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Commissions Of Inquiry Act 1950

Commission of Inquiry Order (No. 1) 2011

QUEENSLAND FLOODS COMMISSION OF INQUIRY

CLAYTON UTZ–(Ipswich CC)
Statement of T Trace
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Volume 1 ORIGINAL

Witness Statement of Anthony Keith Trace

Local Disaster Coordinator

Ipswich City Council

Volume 1 of 2

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AKT-1	Copy of email to all members of the Ipswich LDMG, as well as to the ICC Councillors and relevant ICC officers that the level of activation be moved from "Alert" to "lean forward 1"	Friday, 7 January 2011 at 10:48am
AKT-2	The minutes of the four Ipswich LDMG meetings held between February 2010 and October 2010	
AKT-3	The minutes of the Ipswich LDMG meetings held between 23 December 2010 and 28 December 2010	23-28 December 2010
AKT-4	The minutes for the Ipswich LDMG meetings held between 10 January 2011 and 28 January 2011	10 January 2011-28 January 2011
AKT-5	Sitreps 1-10 in relation to the December 2010 event	December 2010
AKT-6	Sitreps 1-31 in relation to the January flood event	January 2011
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AKT-7	Copies of the Ipswich DDMG minutes for meetings held 12 January, 13 January, 14 January, 18 January, 20 January 2011 and 27 January 2011	January 2011
AKT-8	Copy of certificate presented to Mr Trace by EMQ upon completion of introduction course to the LDC role	20 December 2010
AKT-9	Copies of the agenda for the meeting in Cairns on 30 November 2010 and copies of two UNISDR publications distributed at this meeting entitled "Making Cities Resilient my City is getting ready" and "Is your City ready"	30 November 2010
AKT-10	Copy of a power point presentation which Mr Trace delivered as part of his presentation on 24 August 2010	24 August 2010
AKT-11	Memoranda to the Chief Operating Officer (Engineering Services) detailing ICC's applications for funding from the NDRP and the outcome of those applications	2 August 2010 and 18 November 2010
AKT-12	Agenda for the LGAQ 2010 Disaster Management Conference	2-4 June 2010
AKT-13	Copy of email dated received from Senior Sergeant Goodger, assistant EO to the Ipswich DDCC inviting Mr Trace to QPS information session, and detailing the agenda and areas to be addressed	11 June 2010
AKT-14	Copies of media reporting in the local Ipswich media of the potential for a major flood event, and of steps to be taken by the community in preparation for such an event	13 October 2010, 27 October 2010, 1 November 2010, 8 December 2010, 28 December 2010

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AKT-15	Memorandum to the Chief Operating Officer (Engineering Services) concerning the proposed changes to the Emergency Management Act, including a summary of the proposed policy and legislative changes to the disaster management arrangements	12 May 2010
AKT-16	Email from Mr Wayne Bichel confirming action taken to ensure that the Council held sufficient stores of emergency equipment	23 December 2010
AKT-17	Copies of emails Mr Trace to Council officers and Councillors	28 December 2010 - 10 January 2011
AKT-18	Index of reports that ICC has a record of having received from BOM	7 December 2010 - 21 January 2011
AKT-19	Copies of the BOM reports referred to in AKT-18 the aforesaid index	
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AKT-22	Copies of the requests for assistance which were issued by the Ipswich LDMG to the Ipswich DDMG during the course of the flood event	
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Witness Statement of Tony Trace

This written statement is provided in response to a requirement to provide written information to the Queensland Floods Commission of Inquiry dated 29 March 2011 under Section 5 of the *Commissions of Inquiry Act 1950* (Qld).

I, **Anthony Keith Trace** of Ipswich City Council ("**ICC**"), [redacted], Ipswich, in the State of Queensland, state as follows:

Introduction and Qualifications

1. I hold a Bachelor of Business and Accounting from the Queensland University of Technology (1991). I have also completed post-graduate studies in obtaining an Applied Diploma in Finance and Investment with the Securities Institute of Australia (1999) and am currently studying for a Graduate Diploma in Business Excellence through SIA Global.

2. Since 2007 I have been employed by ICC as its Business Support Manager for Engineering Services. In that role, I have overall responsibility for the provision of business support to the Council's Engineering Services Department, that is, the "non-engineering" aspects of the department such as financial management and compliance, business planning and reporting, workforce planning, quality assurance and continuous improvement.

3. I commenced employment with ICC in October 2001 as a Business Support Officer for Ipswich Fleet Services. I have subsequently performed a number of roles:

   (a) 2004-2006: Business Support Officer, Roads & Drainage Provider Unit;

   (b) 2006: I was seconded to the Business Transformation Program and assisted in implementing ICC's enterprise resource planning solution (ERP);

   (c) 2006-2007: Senior Business Advisor, Engineering Services.

4. In addition to my role as Business Support Manager, Engineering Services, since July 2009 I have had responsibilities in relation to ICC's Local Disaster Management.

5. In July 2009 I was appointed to the position of Executive Officer of the Ipswich Local Disaster Management Group (**Ipswich LDMG**). Prior to this, from November 2008, I had provided a support role to the then Executive Officer to the Ipswich LDMG.

6. Following amendments to the *Disaster Management Act 2003* (Qld) which came into effect on 1 November 2010, the role of Executive Officer for the Local Disaster Management Group was abolished. The 1 November 2010 amendments created a position of local disaster coordinator.

7. On 7 November 2010 I was appointed the Ipswich Local Disaster Coordinator (**LDC**) by the Chairperson of the Ipswich LDMG. I held the role of LDC during the December 2010/January 2011 flood event (**the flood event**) and continue to hold that position at the time of making this statement.

8. I had leave planned over Christmas 2010 but due to the developing adverse weather conditions I returned from Christmas leave early on Boxing Day, and was in attendance at my office from 26 December 2010 until after the passing of the flood event.

Background - Ipswich District Disaster Management Group and Ipswich LDMG

Ipswich LDMG

9. The Chair of the Ipswich LDMG is the Mayor, Councillor Paul Pisasale. The Deputy Chair of the Ipswich LDMG is Councillor Trevor Nardi. Mayor Pisasale and Councillor Nardi have occupied the positions of Chair and Deputy Chair since prior to my appointment as Executive Officer of the Ipswich LDMG in July 2009.

10. Throughout the duration of the flood event, Councillor Nardi acted as the Chair of the Ipswich LDMG. Mayor Pisasale was actively involved as the public face for the City of the Ipswich throughout the flood event, and was kept constantly updated on the developing flood situation and related matters by Councillor Nardi and myself.

11. The standing membership of the Ipswich LDMG, in addition to the Chair, Deputy Chair and LDC, comprises representatives of the following agencies:

- State Emergency Service (SES);
- Queensland Fire & Rescue Service (QFRS);
- Queensland Ambulance Service (QAS);
- Queensland Police Service (QPS);
- Emergency Management Queensland (EMQ);
- Queensland Health - Ipswich Hospital; and
- Ipswich City Council.

12. In addition, meetings of the LDMG typically include a number of observers/advisors on an "as required" basis. These observers/advisors comprise representatives from some or all of:

- Department of Communities;
- Department of Transport and Main Roads (DTMR);
- Royal Australian Air Force (RAAF);
- Telstra;
- Energex;
- Queensland Emergency Services Chem Unit;
- Department of Employment, Economic Development and Innovation (DEEDI); and
- Queensland Urban Utilities.

13. Also, relevant officers of various ICC operational departments attend the Ipswich LDMG meetings on an "as required" basis.

14. There are two other LDCs for the Ipswich LDMC in addition to myself, being Mr Ross Drabble and Mr Tony Dileo. During the flood event, I alternated the LDC role with Mr Drabble, typically handing over to Mr Drabble at around 7:00pm with a hand over back to me at around 7:00am. However, Mr Drabble lives in Brisbane and for a short period took longer than usual to access Ipswich due to the floods. As a result I was actively involved as LDC beyond the times I have referred to. Mr Dileo was on leave at the time and was not involved during the flood event. For these reasons most of the LDC activity was undertaken by myself, with support from Mr Drabble.

15. The practice of the Ipswich LDMG is to meet quarterly and otherwise on an "as required" basis. Throughout 2010 the Ipswich LDMG met on:

- 2 February 2010;
- 20 May 2010;
- 3 August 2010; and
- 26 October 2010.

16. In December 2010, Ipswich experienced some localised flooding consequent upon the heavy rainfall being received in the Bremer River and local creek catchments. As a consequence the Ipswich LDMG was convened and met on:

- Thursday, 23 December 2010;
- Monday, 27 December 2010; and
- Tuesday, 28 December 2010.

17. The various activation levels for the Ipswich LDMG are:

- Alert;

- Lean Forward Level 1
- Lean Forward Level 2
- Stand Up Level 1
- Stand Up Level 2
- Stand Down

The triggers for each of these activation levels are detailed at Schedule 4 to the ICC submission on Flood Preparedness (**the ICC Submission**) lodged with the Commission of Inquiry on Wednesday, 23 March 2011.

18. At its meeting on Thursday, 23 December 2010 the Ipswich LDMG was placed in a "Lean forward - level 1" position. By Tuesday, 28 December 2010 the relevant weather event had passed. However, as there was a forecast for further potential adverse weather, the Ipswich LDMG remained at "Alert" status.

19. To the extent that the December 2010 Ipswich LDMG meetings are relevant to the specific issues that the Commissioner has requested be addressed in this statement, those matters are addressed further below.

20. As a result of further substantial rainfall experienced over the New Year period and into early January 2011, on the morning of Friday, 7 January 2011 discussions were held with the Deputy Chair concerning the developing event and we agreed that the Ipswich LDMG level of activation be moved from "Alert" to "Lean forward 1" status. I emailed notice of this decision to all members of the Ipswich LDMG, as well as to the ICC Councillors and relevant ICC officers on 7 January 2011. My email noted that:

> *"Given the forecasted rainfall, the Deputy Chairperson has requested that the LDMG level of activation will be moved from "alert" to LEAN FORWARD ONE.*

As such, member agencies are requested to review their level of readiness, including resourcing levels and availability.

LDMG members are notified that they should be prepared for the possibility of being required to attend full briefing meetings on Sunday or Monday, depending on how this weather system develops".

21. Attached to my statement and marked **AKT-1** is a copy of my email at 10:48am on Friday, 7 January 2011 on this subject.

22. Also on Friday, 7 January 2011 a Flood Coordination Centre was established in the Hayden Centre, 37 South Street, Ipswich in preparation for what was, at that time, a potentially developing event.

23. At 8:30am on Monday, 10 January 2011 the first meeting of the Ipswich LDMG was held in relation to the extreme weather event then being experienced. At that meeting the LDMG status was upgraded from "Lean forward 1" to "Stand up". Between Monday, 10 January 2011 and Friday, 21 January 2011 the Ipswich LDMG met on 14 occasions. On Friday, 28 January 2011 the Ipswich LDMG status was formally downgraded to "Stand down" as the Ipswich City Local Recovery Group had been established and was scheduled to hold its first meeting on Monday, 31 January 2011.

24. Minutes of each LDMG meeting are produced by Ms Kerrie Tillick, the secretary to the Ipswich LDMG. These minutes contain a good record of the activities of the Ipswich LDMG, and of the decisions undertaken over the period to which they relate. Ordinarily the minutes are approved by the Chairperson. However, given the frenetic level of activity in the days following Monday, 10 January 2011 it is possible that not all of the Ipswich LDMG minutes for the period 10 January 2011 - 28 January 2011 were settled by the Deputy Chair. It is also possible that some of the minutes contain some minor inaccuracies. The minutes nevertheless represent a contemporaneous record of the activities of the Ipswich LDMG.

25. Attached to my statement are copies of the following Ipswich LDMG minutes:

AKT-2: The minutes for the four Ipswich LDMG meetings held between February 2010 and October 2010;

AKT-3: The minutes of the Ipswich LDMG meetings held between 23 December 2010 and 28 December 2010;

AKT-4: The minutes for the Ipswich LDMG meetings held between 10 January 2011 and 28 January 2011.

26. In addition to the record of events included in the Ipswich LDMG minutes, for the duration of an event Ipswich City Situation Reports (**Sitreps**) are produced by the LDC. I am generally the author of the Sitreps, although, during the January 2011 event, I was assisted in the preparation of these by other Council officers. The Sitreps are produced on a regular basis and are emailed by me to the Ipswich District Disaster Coordinator, the members of the Ipswich LDMG, other relevant agencies, ICC Councillors, the CEO, Department COO's and other relevant ICC Council officers. By this means all relevant and interested parties are kept updated with developments.

27. The Sitreps comprise a good record of the relevant events from my perspective as LDC. Between 23 December 2010 and 28 December 2010, 10 Sitreps were produced. Then between 11 January 2011 and 4 February 2011, 30 Sitreps were produced in relation to the flood event, with a final Sitrep (Sitrep 31) issued on 11 February 2011. Once again, due to the frenetic activity during the flood event it is likely that the Sitreps contain some inaccuracies in terms of detail, in that on occasions information in one Sitrep may have been inadvertently carried over into a succeeding Sitrep without being updated. The Sitreps nevertheless provide a good summary overview of the relevant event and of the actions taken.

28. Attached to my statement are copies of the following Sitreps:

AKT-5: Sitreps 1-10 in relation to the December 2010 event; and

AKT-6: Sitreps 1-31 in relation to the January flood event.

Ipswich District Disaster Management Group (Ipswich DDMG)

29. The Ipswich Disaster Management area comprises the Ipswich and Somerset local areas. Because the Somerset Regional Council is quite small in size (numerically), even though the Somerset regional area is quite large, comprising approximately 5,000 square kilometres compared to the Ipswich Council area of approximately 1,000 square kilometres, there is a significant commonality of membership between the Ipswich LDMG and the Ipswich DDMG.

30. The Chair of the Ipswich DDMG is Superintendant Garth Pitman of the QPS. Superintendant Pitman is also the District Disaster Coordinator (**DDC**). The Deputy Chairperson of the Ipswich DDMG is Inspector David Preston. The Chair and Deputy Chair are assisted by an Executive Officer (**EO**) (Senior Sergeant Robbie Goodger) and a number of assistant EOs.

31. Membership of the Ipswich DDMG comprises representatives of:

- Queensland Police Services;
- Queensland Ambulance Services;
- Emergency Management Queensland;
- Ipswich City Council;
- Somerset Regional Council.

32. The Ipswich DDMG is supported by advisors from a number of other agencies, primarily State government agencies and essential services providers. The practice of the Ipswich DDMG is to meet quarterly and otherwise on an "as required" basis. Through 2010 the Ipswich DDMG met on:

- 4 March 2010;
- 3 June 2010;

- 2 September 2010;
- 30 November 2010.

33. During the January 2011 flood event the District Disaster Coordination Centre was activated on Monday, 10 January 2011, primarily to coordinate the district response to flooding being experienced within the Somerset Regional Council area. The Ipswich DDMG first met on Wednesday, 12 January 2011, and then again on 13 January 2011, 14 January 2011, 18 January 2011, 20 January 2011 and 27 January 2011. Councillor Nardi and I attended these meetings on behalf of ICC. The meetings were held at the Yamanto Police Station approximately 10 minutes drive from the ICC Coordination Centre.

34. Attached at **AKT-7** are copies of the Ipswich DDMG minutes for these meetings.

Request to provide information

35. By letter dated 29 March 2011 the Commissioner of the Queensland Floods Commission of Inquiry required that I provide a written statement under Section 5 of the *Commissions of Inquiry Act 1950* (Qld) detailing information in relation to 21 subject areas. This statement is provided in response to the Commissioner's request.

36. Further, by letter dated 29 March 2011, the Commission reiterated its desire to avoid duplication of information and that it does not require statements to repeat information that has already been provided to the Commission, and considers references in statements to such information sufficient where appropriate.

37. The ICC Submission contains detailed information in relation to ICC's preparation for and response to the flood event. In accordance with the Commission's request, I will not duplicate that information in my statement, but, where appropriate, my statement will cross reference relevant paragraphs of the ICC Submission.

Topic 1 - Local planning, preparation and training in advance of the flood event

Introduction

38. In response to this topic I will address the issue of local planning, preparation and training undertaken in advance of or in relation to the flood event from two perspectives:

(d) Firstly, my personal preparation and training in my capacity as LDC; and

(e) Secondly, preparation and planning undertaken by ICC.

Personal Preparation and Training

39. As noted in paragraphs 6 and 7, the role of LDC was introduced into the disaster management framework on 1 November 2010. I was appointed LDC on 7 November 2010. Prior to this I was the EO for the Ipswich LDMG.

LDC induction training - 20 December 2010

40. On 20 December 2010 I undertook an LDC induction training course. This course was conducted by EMQ in the Rosewood Room in the ICC Hayden Centre. The course was also attended by Councillor Nardi, Mr Drabble and Mr Dileo. At this course I was presented with the EMQ School of Emergency Management "SEM2016 Local Disaster Coordinator Induction" Participant Guide. The Guide is a bulky document and I have not exhibited a copy of the Guide to this statement. However, a copy can be made available to the Commission upon request.

41. This course was in the nature of an introduction course to the LDC role. On the completion of the training I sat an exam. Attached to my statement at **ATK-8** is a copy of the certificate presented to me by EMQ upon my successful completion of this training.

The Australian Inter-Service Incident Management System (AIIMS)

42. AIIMS is an incident management control system designed to enable the seamless integration of the activities and resources of multiple agencies when applied to the resolution of any emergency situation. The LDC induction course held on 20 December 2010 introduced the

AIIMS multiple agency incident management system but did not descend to the detail of how the system operated. I consider the development of these multiple agency management skills to be important to my carrying out my responsibilities as LDC and following my attendance at the 20 December 2010 Induction Course I requested the ICC Engineering Services training coordinator to identify a course that I can attend to undertake AIIMS training.

District Disaster Coordination Centre (DDCC) Training - 22 December 2010

43. On 22 December 2010 I attended a disaster management training session conducted by EMQ and the QPS at the Yamanto Police Station. This session was also attended by the Somerset Regional Council LDC, Mr Tony Jacobs, and focussed on disaster management issues at the Ipswich District level.

44. This session lasted half a day and covered some of the same ground as had been covered at the LDC induction session conducted two days earlier. It also included some exercises, using the AIIMS methodology and framework, and included an exercise involving the establishing of a mock crisis coordination centre, which was designed to demonstrate how such a centre would function.

45. This training involved the establishing of a coordination centre to deal with a mock traffic accident. It identified that a functioning coordination centre requires (1) planning personnel (2) operational personnel and (3) logistics personnel supporting the planning and operations personnel.

46. This training was prescient as a fortnight later I was required to establish the ICC flood Coordination Centre, and the training I had received through the mock exercise conducted on 22 December 2010 proved very helpful in that regard.

47. I was able to ensure that the ICC Coordination Centre for the flood event was structured to ensure that it included:

(a) a planning arm, with personnel having a particular focus on issues such as hydrology reports, road networks and evacuation centres, and who were involved in converting the various pieces of information being received by the Coordination Centre from a range of information sources into action plans;

(b) an operations arm, comprising relevant personnel from across the various Council departments and relevant agencies, who could give operational effect to the action plans; and

(c) a logistics arm, comprising personnel who provided logistical support, in the nature of communications, supplies and other resources to the planning and operations arms.

48. At this DDCC training session there was also an introduction to the proposed EMQ Disaster Management Portal site. This site is still under development, but there was discussion as to how the site would operate. My understanding is that the DDMG, the DDC, the LDMG and the LDC will be able to log on to the portal site to access and extract relevant information and reports, as well as to input relevant data such as Sitreps, contacts lists and the such like.

49. The portal still has some considerable way to go in terms of its development. However, I consider it to be a valuable resource as I believe that an essential tool for future disaster management is a common, fully integrated, whole of State ICT (Information Communications and Technology) system. One particular issue experienced during the flood event, and addressed more fully in my comments below in response to Topic 15, is the difficulty I experienced in tracking the status of any response by the State Disaster Coordination Centre or by the DDCC to requests for support issued by the Ipswich LDMG through myself as LDC. A fully integrated ICT system should enable the status of such support requests to be readily tracked.

50. At present, disaster management across the State involves reliance on a number of different and largely incompatible ICT systems of varying levels of sophistication. Throughout the flood

event, the obtaining of reliable and timely information was an issue. I consider that reliable and timely knowledge and information management is critical, as it is from such knowledge and information that plans, actions, and priorities are identified at the LDMG level.

51. Another advantage of this DDCC training session was that, to the extent that I had not previously met them, it enabled me to meet and put faces to names of the relevant QPS personnel within the DDMG structure. At the conclusion of the DDCC training on 22 December 2010 arrangements were discussed for the scheduling of a follow-up training exercise to be held involving the Ipswich DDMG and the Ipswich LDMG and the associated Coordination Centres in late January 2011. However, due to the flood event this proposed exercise was replaced by an actual event.

UNISDR Making Cities Resilient Campaign - 30 November 2010

52. On 30 November 2010 I attended a United Nations International Strategy for Disaster Reduction (UNISDR) meeting held in Cairns. This meeting was on the subject of "Making Cities Resilient". Cairns is regarded as a role model City or "Champion" for community resilience to disaster events, and the purpose of my attending this meeting in my capacity as Ipswich LDC was to better understand the resilience program, and to develop my learning and skills around issues of community resilience with a view to examining how such learnings might be applied in the context of the City of Ipswich.

53. Annexed to my statement and marked **AKT-9** are copies of the agenda for the meeting in Cairns on 30 November 2010 and copies of two UNISDR publications distributed at this meeting entitled "Making Cities Resilient my City is getting ready" and "Is your City ready".

54. This meeting was also attended by a representative from the Fraser Coast Regional Council. Following this meeting, I had the helpful experience of attending a meeting of the Cairns Local Disaster Management Group as an observer.

Community Resilience - Ipswich - 29 August 2010

55. My attendance at the UNISDR meeting in Cairns on 30 November 2010 arose from a particular interest that I have in the issue of community resilience to disaster events. The aim of community resilience is to strengthen communities, individuals, businesses and institutions to minimise the effects of disasters.

56. The key elements of disaster management are preparedness, response and recovery. There is, however, another important element, which is prevention. On 27 August 2010 I made a presentation to the ICC CEO and senior management team. The purpose of this presentation was to heighten awareness within the ICC management team of these key elements. This presentation was also used to promote discussion as to how, within the Council, we may be able to develop strategies to enhance awareness within the Ipswich community of the importance, in particular, of the elements of prevention and awareness, and of the concept of community resilience to disaster events.

57. Attached to my statement and marked **AKT-10** is a copy of a power point presentation which I delivered as part of my presentation on 24 August 2010.

National Disaster Resilience Program

58. I also used this presentation to senior management on 24 August 2010 to increase awareness within the Council as to what was occurring in relation to the National Disaster Resilience Program (NDRP) and Community Resilience Applications (CRA's) which had been lodged with the NDRP by ICC.

59. The NDRP is a joint Federal Government and State Government Program which makes funding available in the form of grants for the purposes of disaster risk reduction and to enhance community resilience to natural disasters. The NDRP vision is to "reduce Queensland Communities vulnerability to natural hazards by supporting local governments and other

stakeholders to build community resilience". The funding arrangement is on a 1/3 contribution by each of the Federal Government, the State Government and the funding applicant.

60. In the first round of NDRP funding Ipswich was successful in receiving grants to:

(a) increase the flood resilience of the Rosewood Township; and

(b) increase the flood resilience of the Lower James Street area at Goodna.

61. The second round of grants was launched on 4 June 2010. For this round, ICC identified six initiatives for funding consideration and lodged CRA's for these initiatives. The initiatives, in order of priority were:

(a) increasing the flood resilience of Greater Thagoona;

(b) updating the Ipswich Natural Disaster Risk Management study and the Ipswich Disaster Management Plan;

(c) development of the Brisbane River and Bremer River event modelling and action plans (an application made jointly with Brisbane City Council and Somerset Regional Council);

(d) a pilot program for the calibration of critical crossings to the Alert/Floodwise monitoring system (a joint application with Brisbane City Council and Gold Coast City Council);

(e) a feasibility pilot for event surveillance cameras; and

(f) the floodway upgrade at Grey's Plains Road, Mount Mort.

62. At the meeting on 24 August 2010 I outlined these initiatives to senior management. The purpose of prioritising the applications is to attempt to secure NDRP funding for the highest priority areas, with Council funding then being utilised to pursue other lower priority disaster management initiatives. As it transpired I was notified in November 2010 that each of the six

ICC CRA's had been successful. However, the funding agreements for these initiatives were not received until January 2011, at around the time of the flood event. As a result none of these initiatives had been commenced prior to the flood event. They will each be progressed during the course of 2011.

63. Attached to my statement and marked **AKT-11** are copies of my memoranda to the Chief Operating Officer (Engineering Services) dated 2 August 2010 and 18 November 2010 respectively detailing ICC's applications for funding from the NDRP and the outcome of those applications.

Annual Local Government Disaster Management Conference - 2-4 June 2010

64. As a further element of my training I attended the 2009 and 2010 annual Local Government Disaster Management conferences conducted by the Local Government Association of Queensland. These conferences were held over three days.

65. The 2009 conference was held in Emerald and was also attended by Councillor Nardi and Ms Brooke de Jong, a Council Officer in the Economic and Community Development department who has a particular interest in disaster management.

66. The 2010 conference was held in Home Hill on 2-4 June 2010 and was also attended by Councillor Nardi and Ms Kerryn Anderson, a Council Officer in the Health, Parks and Recreation department who also has a particular interest in disaster management.

67. Attached to my statement and marked **AKT-12** is a copy of the agenda for the LGAQ 2010 Disaster Management Conference.

Disaster Management Joint Information Session - Queensland Police Service - 19 July 2010

68. On 19 July 2010 Councillor Nardi and I attended a disaster management information session held at the QPS Headquarters, Roma Street, Brisbane. The purpose of this session was to outline to the Ipswich DDMG and to the Ipswich LDMG the proposed changes to the Disaster

Management Act. This session followed an earlier briefing in relation to the proposed amendments to the Act conducted by EMQ on 4 May 2010. I have included further details in relation to the EMQ information session in my response to Topic 4 below. Attached to my statement and marked **AKT-13** is a copy of an email dated 11 June 2010 that I received from Senior Sergeant Goodger, an assistant EO to the Ipswich DDMG inviting me to this QPS information session, and detailing the agenda and areas to be addressed.

Conclusion in relation to personal preparation, including training

69. As is illustrated by the foregoing, throughout the course of 2010, and in particular during the six months period from June 2010 to December 2010 I undertook considerable formal training in preparation for carrying out my roles and responsibilities as Ipswich LDC. Because of my particular interest in disaster management, I supplemented this formal training with additional reading, as well as my preparation for and attendance at Ipswich DDMG and Ipswich LDMG meetings throughout the course of 2010.

Preparation and planning undertaken by Ipswich City Council

70. In this section of my statement I detail some of the local planning and preparation, including training, undertaken by ICC in advance of or in relation to the flood event.

"1974 Scenario" for the ICC Riverview Depot

71. The Riverview depot is located at 4 Kenneth Street, Riverview, near to the junction of the Bremer and Brisbane Rivers. It is ICC's primary public works and storage depot. It contains the ICC fleet workshop, the Council's main store and is the location where the Engineering Services department operations arm is based, comprising the field workers and related Engineering Services fleet and equipment. The location of the Riverview depot was flooded during the 1974 flood.

72. In preparation for the 2010/2011 summer storm season, a mock exercise was carried out in relation to how the Riverview depot would respond to a repeat of the 1974 flood event if the depot was inundated and unable to be accessed for seven days.

73. This exercise was undertaken over two days on 15 November 2010 and 13 December 2010. The questions asked as part of this exercise included:

(a) what are the issues we might face;

(b) what are the solutions to these issues;

(c) where does the plant and equipment go in a flood situation, where do the people go, and how do we continue to operate if we are unable to access the depot.

74. This was an effective exercise. Arising from this exercise included plans as to:

(a) where plant and equipment from the depot would be taken in the case of a flood event;

(b) identifying which Council officers and employees were available to be called in if required on an urgent basis over the 2010-2011 summer holiday period;

(c) ensuring that all relevant skill sets were covered by available Council employees during the summer holiday period; and

(d) the production of a contact list for the available officers and employees.

75. As it transpired the Riverview depot was inundated during the flood event and the plans developed during the mock exercise were successfully implemented. Although the depot sustained substantial damage and some plant was lost, primarily due to the suddenness of the flood event, employees were called in urgently to assist with the relocation of plant and equipment, and the fleet and much of the equipment was relocated to flood proof areas as planned. To the extent that it was possible to do so, the functions of the depot continued to be performed from temporary facilities whilst the depot was unavailable.

76. One of the learnings to emerge from this mock exercise was the need to develop and document business continuity plans for important Council assets and infrastructure. It is also necessary that these plans can be readily accessed and implemented in the case of any future disaster event. This learning is further detailed at paragraph 13.37 of the ICC Submission.

Other Ipswich City Council preparations

77. Other planning and preparation undertaken by ICC in the months preceding the flood event included:

(a) at the Ipswich LDMG meeting held on 26 October 2010 the EMQ representative provided an overview of BOM predictions for the summer season, including 6 cyclones predicted for the East Coast of Queensland, 75% higher than average rain fall, and potential weather conditions paralleling those of 1974. As a result of these predictions the Ipswich LDMG requested that:

(i) all LDMG members review their specific roles and responsibilities under the Ipswich Local Disaster Management plan and advise any amendments or updates to these responsibilities to the secretary to the Ipswich LDMG by 8 November 2010. Each of the Ipswich LDMG members responded to confirm awareness of their respective roles and responsibilities;

(ii) the SES representative was requested to liaise with the Ipswich Show Society as to the potential use of the Ipswich Showgrounds as an evacuation centre in the case of an emergency. The SES representative, Mr van den Ende consequently met with the Ipswich Show Society President, together with one of the ICC Councillors, Ms Cheryl Bromage, who is also a member of the Ipswich Show Society, and confirmed the availability of the Showgrounds as an evacuation centre if required;

(b) updated contact lists were prepared for all Ipswich DDMG and Ipswich LDMG members.

(c) a review was undertaken of the "Link" to the EMQ website from the ICC website to ensure that this link was functioning properly and also to ensure that the emergency management forms located on the EMQ website were up to date, and that the information in relation to the household emergency event preparation check lists, household evacuation kits and the such like, published on the EMQ website, were current;

(d) during September and October 2010 a maintenance check was undertaken of the Enviromon "Alert" system to ensure that all ICC gauges located in Ipswich area catchments were operative and functioning properly. Any non-functioning gauges were repaired. At the time of the flood event all of the "Alert" gauges throughout the Ipswich area were functioning properly, with the exception of only one remote gauge located at Ripley in the top end of the Bundamba Creek catchment, although this was not material as there are a number of downstream gauges along that catchment which were all functioning;

(e) the ICC Enterprise Business Solutions Branch (EBSB) and Health Parks and Recreation department (HP & R) had proposed undertaking maintenance work on ICC's facilities over the quiet Christmas/New Year period, which would have resulted in several ICT applications being unavailable including email, internet, PD Online and all enterprise applications (for example, Council mapper), as well as the Enviromon monitoring system being off-line whilst the maintenance was carried out. Given the adverse weather forecasts for this period, arrangements were made with EBSB and HP & R to defer this work until the Easter 2011 holiday period;

(f) following the creation of Queensland Urban Utilities (QUU) with responsibility for the provision of Ipswich's drinking water supply and sewerage services from 1 July

2010, a representative from QUU was appointed as an observer on the Ipswich LDMG to report to the LDMG as required on water and sewerage related issues, and was included on the contact list for the Ipswich LDMG;

(g) a continuation of an ongoing awareness campaign by the ICC and by the SES to enhance disaster management awareness within the Ipswich Community. These awareness activities included:

(i) the presence of a disaster management information stand attended by SES officers at most ICC community events;

(ii) visitations by the Ipswich SES Coordinator to Ipswich Schools and community groups promoting the key messages of awareness and preparation for potential disaster events;

(iii) regular media reporting in the local Ipswich media of the potential for a major flood event, and of steps to be taken by the community in preparation for such an event. Attached to my statement and marked **AKT-14** are copies of reports published in the local Ipswich newspapers, The Ipswich Advertiser and the Queensland Times on 13 October 2010, 27 October 2010, 1 November 2010, 8 December 2010, 28 December 2010 and 6 January 2011; and

(iv) promotion by the Ipswich SES Coordinator of ICC's Emergency Management website page as a source of further disaster management information;

(h) steps undertaken in conjunction with the Ipswich SES to increase the availability of sandbags.

Topic 2 - Immediate pre-flood event - Mitigation measures

Introduction

78. ICC and the Ipswich LDMG implemented a number of measures immediately prior to the flood event designed to mitigate the effect of any flooding and also in preparation for ICC's emergency response to the flood event.

Mitigation Measures

79. During the period from around October 2010 and continuing over the 2010 Christmas-New Year period, ICC's drainage maintenance crews were focussed on maintenance activities in low lying areas. This involved work in connection with the maintenance of the storm water systems and gross pollutant traps to ensure that these were clear of debris and obstructions, and functioning effectively.

80. In the period from around October 2010 ICC was also engaged in close monitoring of the Marburg and Rosewood Detention Basins to ensure that there were no obstructions in the pipe work. The Detention Basins were the subject of regular inspections in accordance with the management plans for the basins, to the point that ICC engineers inspecting the Rosewood Detention Basin on Tuesday, 11 January 2011 became flood bound for a period of time as a result of the Rosewood township becoming isolated due to localised flooding in the area.

81. From around 23 December 2010 the Ipswich SES distributed approximately 11,000 sandbags to local residents from the four SES depots. The availability of sandbags was broadcast over local Ipswich radio and notified through the local media, as well as through the local ICC call centre. However, whilst the sandbags were of value to residents in low lying areas such as Thagoona, Rosewood and Marburg, which were subjected to overland flooding, and also of value in shoring up homes and business premises which were only subjected to minor inundation, they were of little assistance in the case of significant riverine flooding.

82. No temporary levees were established within the ICC area and such a step would be impractical.

ICC preparation for the emergency response

83. The ICC Coordination Centre was established on 7 January 2011, and steps taken to ensure that the centre was fully operational, equipped and that all critical systems were pre-tested. These included testing the auxiliary backup power, the communications systems, ensuring Coordination Centre specific computers had been allocated, as well as dedicated Coordination Centre phone lines with separate direct telephone numbers, the allocation of a dedicated LDC mobile phone to be passed between LDC's on changeovers, and other logistical support. With effect from 7 January 2011 the Rosewood Room was fitted out as an Operational Emergency Management Centre.

84. From the time of the 23-28 December flood event, the ICC call centre had resources in place to enable it to operate on a 24/7 basis as and when required. The ICC call centre moved to 24/7 mode from the morning of Tuesday, 11 January 2011 for the duration of the flood event.

85. An assessment had been made by ICC as to the availability of critical staff over the Christmas/New Year period. Key managerial staff were allocated to the Coordination Centre with responsibility for covering the areas of evacuation centres, community welfare, road networks and drainage assets, hydraulics, hydrological mapping, communications and call centre operations. Operations staff available to assist with necessary field operations, particularly for functions like road closures and ICC asset and infrastructure protection were also identified.

86. Contact lists of key managerial and operations staff were prepared, together with contact details for relevant support agencies, and copies of the contact lists were made available online and within the Coordination Centre.

Topic 3 - Emergency Management Queensland workshop

87. ICC was represented at the EMQ 2010 pre-season flood and cyclone workshop held at Kedron on Wednesday, 15 December 2010. This workshop was promoted as the SEQ Climate and Preparedness workshop. The ICC representatives were myself, Councillor Nardi, Mr Daryl Hickey and Mr Rasitha Perera. Mr Hickey and Mr Perera work within the ICC Asset Spatial and Hydrology sections of the Engineering Services department, with a particular focus on hydrological issues. Inspector Preston and Senior Sergeant Goodger from the DDMG also attended.

88. To my recollection the workshop involved the following presentations and activities:

- a presentation by BOM on the outlook for the summer season;
- a presentation by Seqwater in relation to the Wivenhoe Dam Release Management plan;
- presentations by the Brisbane City Council, Gold Coast City Council and Moreton Regional Council on some initiatives within those local authorities in relation to flood mapping and models; and
- a workshop exercise around regional alliances and collaboration in relation to local authorities managing and supporting each other in a crisis event.

89. The workshop was attended by representatives by a number of local authorities. My brief overview of the presentations follows.

BOM presentation

90. The BOM presentation was consistent with information which had been provided by BOM at an earlier EMQ/BOM pre-season outlook meeting held at Beenleigh on 13 October 2010. The EMQ/BOM pre-season workshop is an annual event at which BOM provides a weather outlook for the summer season. BOM reported that higher than expected rainfall was anticipated over the Christmas/New Year holiday period and through the summer months. It also predicted that up to approximately six cyclones might impact the Queensland coast, in particular the North

Queensland coastal areas over this period. I do not recall that there was anything raised in the BOM presentation on 15 December 2010 which gave rise to additional awareness or alarm in respect of the ICC area. The presentation was, as I say, consistent with the earlier EMQ/BOM season outlook briefing provided on 13 October 2010.

Seqwater presentation

91. This presentation involved an explanation by Seqwater on the Wivenhoe Dam Release Management Plan, and what this plan potentially means for the communities on the Brisbane River downstream of the dam. It was set within the framework of the application of the Release Management Plan in the case of a hypothetical event similar to the 1974 flood event.

92. The Seqwater representative, Mr Terry Malone (Principal Hydrologist) explained that the Release Management Plan takes into account a number of factors including levels within the Brisbane River, in flows into the Brisbane River (for example, from the Bremer River), the dam level, in flows into the dam, actual rainfall and predicted rainfall, and balances the impact of these factors so as to minimise the downstream impact.

93. It was explained that if South East Queensland experiences another "1974 type event" Seqwater will minimise the impact of the event as much as possible, but there may still be a point at which releases from the dam would have to be increased to ensure dam integrity, and there was discussion as to the potential downstream impact this might have.

94. A question was asked of the presenter that the questioner had understood that "the purpose of the Wivenhoe Dam was to prevent future flooding in Brisbane". The Seqwater representative responded, to the effect, that the "dam can mitigate the impact of flooding, and it achieves this by managing the flood event through dam releases, so that the flood peak is substantially reduced but the flood event may extend over a longer period of time".

95. The focus of the presentation was on the potential impact of releases on the Brisbane River and on the downstream suburbs adjoining the river. There was no suggestion in the Seqwater presentation that Bremer River levels could be impacted by Wivenhoe Dam releases.

Brisbane, Gold Coast and Moreton presentations

96. These presentations concerned, firstly, the Gold Coast City Council's initiative for the predictive modelling of flood events within the Gold Coast Region. This is presently an unproven application. ICC relies on BOM to undertake this modelling and to report to the Ipswich LDMG.

97. The Moreton Regional Council presentation concerned the use by Moreton of catchment studies to drive land use planning and works initiatives.

98. The Brisbane City Council presentation focussed on the continued development of its "floodwise" application, which is used during events to assist with management of operational Alerts for key infrastructure.

Workshop Exercise

99. This was an exercise involving a scenario whereby south east Queensland (as distinct from a particular area within south east Queensland) was impacted by a crisis event, and the workshop focussed on Councils' level of preparedness for such an event and how different local authorities might collaborate and provide support to each other in such an event. This was the first occasion that I had been involved in a discussion around scenario planning for such a multi regional event.

Assessment of the assistance gained by Ipswich City Council

100. (a) I did not learn anything new in relation to the BOM predictions for the coming summer season. This presentation did however confirm my existing understanding of the predictions for the season ahead;

(b) (i) The Seqwater presentation was, to my mind, presented on the basis that it was the management of the actual Wivenhoe releases that constituted the relevant event. Whilst it was discussed that the release plan took into account inflows into the Brisbane River below Wivenhoe, the plan as presented did not seem to have contemplated an event of the magnitude that actually occurred, in particular the impact of the substantial inflows that occurred from Lockyer Creek and the potential impact of the dam releases on the Bremer River;

(ii) the presentation focussed on the management of dam releases to mitigate and reduce the impact of a flood in the lower reaches of the Brisbane River. This plan appears to have been effective for the event experienced over the period 23-28 December 2010.

(c) (i) I found the workshop discussion around regional emergency management planning and cooperation particularly helpful. I consider this to be relevant in two respects. Firstly, if there was to be a major event impacting all of south east Queensland, how would the response to such an event be managed and resourced?

(ii) Secondly, if a very major event was experienced in one location (for example, a tsunami or major bush fire) what was the plan to manage such an event, and how might that location be supported by other local areas and how would that support be coordinated?

(iii) In my experience, current emergency management planning is focussed largely at the local level and this workshop raised, to my mind, important considerations of multi-agency and multi-locality support and collaboration. It also raised, in my mind, the utility of the DDMG/LDMG structure for local authorities such as Somerset Regional Council, which only has a relatively small number of officers and staff available to assist in a disaster event, and whether there may be an

improved structure and processes for supporting the requirements of areas such as Somerset in a crisis event.

Conclusion

101. I left this workshop with the thought that we may be facing an interesting wet season, but based on all that I had seen and heard I considered that Ipswich was reasonably well placed to manage a major event should this arise. I was already "on alert" as to the possible impact of the predicted rainfall on the Ipswich area, but nothing that I heard in this presentation gave rise to my having a heightened sense of alert.

102. I had no expectation, arising from anything that was said at this workshop, that releases from the Wivenhoe Dam could impact adversely on the Bremer River and on areas of Ipswich adjacent to the Bremer River. However, I was mindful that the dam release plan might not prevent flooding in the lower reaches of the Brisbane River and therefore suburbs of Ipswich such as Goodna, that are on the Brisbane River, might be impacted. However, the dam release strategy would have the effect of managing that impact by reducing the height in the Brisbane River, although the "trade off" was that the impact might extend over a longer period.

103. I left the workshop with a level of concern as to how well south east Queensland was prepared in terms of resourcing and logistics if we were to experience a major event impacting all of south east Queensland, and with a desire to progress on a more regular basis the discussions initiated at the workshop around the issue of regional collaboration, including targeted scenarios and outcomes.

Topic 4 - EMQ 2010 consultation sessions

EMQ session - 4 May 2010

104. ICC participated in the EMQ 2010 consultation sessions concerning the proposed changes to the *Disaster Management Act 2003* (Qld) (the Act). I attended this session, held at Beenleigh on 4

May 2010. I was the only ICC representative. Representatives from other local authorities were also present.

105. I did not consider this to be a consultation session, rather the purpose of the session was to present a "heads up" on the proposed changes to the Act. These were presented as a "fait accompli". ICC did not participate in the development of the proposed changes and, so far as I am aware, was not involved in consultation as to the proposed changes.

106. As a result of the proposed amendments there were to be changes in various responsibilities and roles. At the time of this session the amendments to the legislation were expected to be introduced to the Parliament in June 2010 and the legislation passed in September 2010.

107. Attendees at this session were informed that the State and EMQ would be scheduling subsequent training sessions to assist local authorities in giving effect to the operational changes which would arise consequent upon the amendments to the Act. In the case of Ipswich, this subsequent session took place on 20 December 2010, and has been addressed in my response to Topic 1 above. However, no such guidance was provided at the session on 4 May 2010.

Assessment of the assistance gained by Ipswich City Council

108. This was an information session concerning the proposed amendments to the Act, not a consultation session, and as such I gained limited assistance from attending the session. Following this session I prepared a memorandum to the Chief Operating Officer (Engineering Services) concerning the proposed changes to the Act, and included with this memorandum a summary of the proposed policy and legislative changes to the disaster management arrangements. Attached to my statement and marked **AKT-15** is a copy of my memorandum dated 12 May 2010 and enclosed summary.

109. This memorandum was considered by the Council at its meeting on 24 May 2010 and the recommendations contained in it were approved by the Council.

110. Once the changes to the Act were effected, I was aware that there would need to be a review of and changes to disaster management operations more generally as a consequence of the changes to the Act.

111. One aspect of the proposed changes that struck me as slightly incongruent was that such significant amendments were scheduled to take effect in September 2010 (as matters transpired they took effect on 1 November 2010), just prior to the imminent storm season. I expected such changes would be introduced at the end of the summer storm season so as to allow time for training and familiarisation in relation to the impact of the changes over a period of some months before the onset of the next storm season.

Topic 5 - Local State Emergency Service

Training and support for local SES

112. ICC is very active in its support of the local SES, and has provided this support over many years. The local SES Coordinator is a member of the Ipswich LDMG, and ICC sees the local SES as an integral part of the "front line" in the City's response to an emergency event.

113. Within Ipswich, the SES is capable of providing an immediate volunteer response to an emergency event. For example, in a major storm event the SES can provide an immediate response through the provision of sandbags, and in assisting in dealing with fallen trees, the impact of localised flooding issues and the such like. Without this SES support, ICC would have to employ or procure additional resources to deal with such matters.

114. The ICC support of the SES is manifested in the following ways:

(a) ICC is one of the few local authorities to fund a full time SES Coordinator, whose role is to liaise with the Council and with the Ipswich LDMG and to ensure sufficient SES volunteers are maintained so as to enable the local SES function to operate effectively. The Ipswich SES has approximately 200 volunteers within its ranks;

(b) ICC has provided and maintains four depots and related facilities (shed and amenities) at Ipswich, Goodna, Marburg and Rosewood for SES operations. ICC is currently investigating the upgrading of the Goodna depot;

(c) Ipswich has provided a fleet and other equipment to the local SES comprising:

- a 21 seater bus;
- 4 x troop carriers;
- 4 x 8 tonne trucks;
- 1 x Holden Rodeo ute;
- 1 x Nissan Nivara ute;
- 8 x mobile generators;
- 5 x special tarping trailers;
- 2 x welfare trailers;
- 1 x emergency operations caravan;
- 1 x coldroom;
- 4 x flood boats (including 2 provided by EMQ);
- 1 x water trailer - 1,200 litres;
- 2 x special water trailers with pumps and hoses - 1,500 litres.

115. ICC also allocates the local SES in the order of $40,000 per annum on a recurring basis for their "portable and attractive assets" comprising items such as equipment and ropes.

116. ICC does not provide training to the local SES. Whilst ICC supports the local SES operations, training is undertaken pursuant to a separate framework within the EMQ/SES relationship.

Assessment of the adequacy and timeliness of SES measures

117. I consider the local SES to be well supported and equipped. Although not directly involved in their training I consider the local SES to be well trained.

118. Because of the extent of the 2011 flood event, SES resources, as with the resources of all agencies, were very stretched. However, the SES provided invaluable assistance to ICC and to the Ipswich LDMG throughout the flood event.

119. Three areas relevant to SES operations which I have identified for further consideration arising out of the experience of the flood event are:

(a) firstly, the benefit of having in place a Memorandum Of Understanding (**MOU**) between EMQ and ICC as to responsibility for coordinating and directing SES operations during a disaster event, as this "boundary" became somewhat blurred during the flood event;

(b) secondly, as between the State and the local authority, formalising the funding and support arrangements for the local SES so as to ensure that the SES remains sufficiently resourced and supported; and

(c) thirdly, (and related to item (b) above) assessing whether the optimal model for SES operations and arrangements is a State based model or a local government model. This is of particular relevance where, as a result of a disaster event, SES support is required across a broad geographic area, covering many local authority areas, and in relation to which multiple events there are competing priorities for SES support.

Topic 6 - Ipswich City Council actions in advance of the flood event

120. Information as to local actions taken by ICC in advance of or in respect of the flood event in relation to resourcing, coordination and deployment of any personnel and equipment has been provided in:

(a) my response above to Topic 2 under the heading "ICC preparation for the emergency response";

and in the following sections of the ICC Submission:

(b) paragraph 8.12 in relation to establishing the Coordination Centre;

(c) paragraphs 9.24-9.32 in relation to road closures;

(d) paragraphs 9.48-9.55 in relation to protection of ICC assets and infrastructure; and

(e) paragraphs 10.9-10.25 in relation to the establishment of evacuation centres.

121. I refer the Commission to these paragraphs but do not repeat the information contained in them in this statement. In relation to this topic I make the following additional comments:

(a) at the Ipswich LDMG on 28 December 2010, although the LDMG reverted to the "Alert" status, all agencies represented on the Ipswich LDMG were requested to ensure that resources were available on short notice for the remainder of the Christmas/New Year period and ready to respond in the event of an elevation in status;

(b) arrangements were made for road signage which had been deployed for the 23-28 December 2010 event to remain "in the field" following the downgrading of that event for immediate redeployment if required, rather than returning this signage to the storage depot;

(c) prior to Christmas 2010 I spoke with the ICC Procurement Officer, Mr Wayne Bichel, to ensure that the Council held sufficient stores of emergency equipment in the nature of sandbags, signage, barrier mesh and the such like as may be required in the case of a flood event. By email dated 23 December 2010 Mr Bichel informed me that this request had been actioned. Attached to my statement and marked **"AKT-16"** is a copy of Mr Bichel's email;

(d) arrangements were made with Mr Hickey (who had planned to be on annual leave through January 2011, but as a result of the flood event cancelled his proposed leave), Mr Teece and Mr Perera, ICC officers in the Engineering Services

department with particular responsibility for monitoring the flood "Alerts" information being received in the Enviromon system as well as the information being received from BOM and Seqwater, to be on call over the summer holiday period. In addition, Mr Teece and Mr Perera were issued with two BlackBerrys (designated "Flood Alert 1" and "Flood Alert 2") to ensure that all members of the ICC hydraulics team (Mr Hickey as the ICC Asset and Spatial team leader already had a Council issued BlackBerry) were able to access and monitor information as it was received;

(e) arrangements were also made for the key members of the Asset and Spatial team, Mr Ashley Dobbie and Mr Peter Dowdle to be on call over the summer holiday period. Together with Mr Hickey, these were the ICC officers responsible for converting the flood information being received and interpreted by the hydrologists into "on the ground" impact mapping, so as to identify the areas of potential inundation. Based on this spatial mapping, notifications could then be issued to affected residences and businesses, as well as in relation to potential road closures;

(f) I have previously referred to my email of 7 January 2011 (AKT-1) requesting all agencies to review their levels of readiness and resourcing;

(g) at 11:00am on each of Tuesday, 4 January 2011 and Thursday, 6, January 2011 I attended the Ipswich DDMG office at Yamanto to participate in State Disaster Group briefings, which briefings also provided updates on the current BOM warnings and on the current and prospective flood affected areas; and

(h) from 28 December 2010 through to 10 January 2011 I kept all Ipswich LDMG members informed by email with regular current weather system, catchment summary and dam release updates. My email of 7 January 2011 (AKT-1) is an example of such updates. These emails were also sent by me to the ICC Chief Executive Officer, the Chief Financial Officer, the ICC Departmental Chief

Operating Officers and key ICC operations staff, for example the engineering officers responsible for road closures, the officers responsible for establishing evacuation centres and the officers responsible for media, the call centre and operations. By these emails all relevant Council officers were kept aware of the developing situation, which enabled them to be in a state of preparedness. These emails were also copied to all ICC Councillors so that the Councillors remained informed. Attached to my statement and marked **ATK-17** is a copy of the emails that I issued between 28 December 2010 and 10 January 2011. Following the reconvening of the Ipswich LDMG on 10 January 2011 to deal with the flood event, I replaced these regular email updates with the Sitreps that I commenced issuing with effect from 11 January 2011 (copies of these Sitreps are attached at ATK-6).

ICC business as usual

122. Whilst issues relevant to the flood event were being monitored and managed by the ICC officers engaged with the Ipswich LDMG and through the Coordination Centre, so far as possible ICC's operations had to otherwise continue on a business as usual basis. This occurred under the direction and supervision of the CEO, Mr Wulff. Throughout the event it was my responsibility to keep the CEO and senior Council officers updated, which I did through the regular issuing of Sitreps and through direct discussions.

Topic 7 - Ipswich City Council actions in response to the flood event

123. The local actions undertaken in relation to the immediate management and response to the flood event have been addressed in my response to Topic 6 and are not repeated here.

124. In terms of the actions undertaken in relation to recovery operations, these actions are comprehensively addressed in section 11.0 of the ICC Submission and are also not repeated in this statement. Section 11.0 of the ICC Submission addressed the roles and actions of both the short term ICC Recovery Task Force and the longer term Flood Recovery Working Group.

125. The Recovery Task Force was established by the Ipswich LDMG at its meeting at 8:00am on Wednesday, 12 January 2011. The task force operated from level 4 of the Hayden Centre. Mr Craig Maudsley, ICC's Chief Operating Officer Health Parks and Recreation was appointed Local Recovery Coordinator. The Recovery Task Force disbanded with effect from 31 January 2011 and was replaced with the Flood Recovery Working Group, which was established under the Ipswich City Local Recovery Plan.

Topic 8 - Vital infrastructure and essential services

ICC Submission

126. The ICC Submission addresses the following matters:

(a) at paragraph 4.9: the essential services of water, communications and power;

(b) at paragraphs 9.38 - 9.60: measures taken in relation to Council infrastructure; and

(c) at paragraphs 9.61 - 9.68: some particular matters relating to the provision of power;

during the flood event.

127. I will not repeat the information set out in the ICC Submission in this statement, but refer the Commission to those paragraphs of the ICC Submission. However, in relation to the matters addressed at paragraphs 9.61 - 9.68 of the ICC Submission, I do wish to emphasis three matters:

(a) firstly, due to the magnitude of the flood event, Energex resources were under extreme pressure, were working very hard, and were faced with a range of competing priorities which I have no doubt contributed to the difficulties identified in the ICC Submission;

(b) secondly, that at the ICC Engineering Services operations level and at the Ipswich LDMG level I have an effective and productive working relationship with the Energex representative to the Ipswich LDMG; and

(c) thirdly, I consider the key issues arising out of flood event to be those identified at paragraphs 9.62 (forward planning so as to ensure, insofar as it is reasonably practicable, that in a future flood event power can be maintained to those parts of the City that are not flood effected) and 9.68 (developing a clear understanding of the division of the roles, responsibilities and authorities as between the LDMG, the LDC and the relevant power utility) of the ICC Submission.

ICC Flood Coordination Centre

128. As has been previously addressed in this statement, prior to the flood event steps were taken to ensure that the Hayden Centre was adequately prepared to accommodate the flood Coordination Centre throughout the duration of the flood event. I do not repeat those comments.

129. Had the flood event in Ipswich reached a height of 24 metres (the flood peaked at 19.4 metres but at one stage on the evening of Tuesday, 11 January 2011, whilst very unlikely, a peak of 24 metres was not totally beyond the range of possibilities) the Hayden Centre would have been flood impacted and the Coordination Centre comprised. As a result, in conjunction with the Deputy Chair of the Ipswich LDMG, I had identified a contingency plan to relocate the Coordination Centre to the premises of the Ipswich DDMG at Yamanto Police Station, or to the Thorn Street, Ipswich SES depot. However, in the event, this was not required.

130. A learning for ICC from the flood event is to develop a business continuity plan for disaster management in a crisis event, and in particular to ensure that the Council has a viable continuity plan (including a back-up plan) for the maintenance of critical systems and infrastructure such as the Coordination Centre, the Enviromon monitoring system, telecommunications, power and computer systems during a crisis event.

Telecommunications

131. The Telstra exchange is located at the corner of East and Limestone Streets. Telstra has a representative who sits as an observer on the Ipswich LDMG. Following the Ipswich LDMG

meeting on the afternoon of Tuesday, 11 January 2011 I directed Coordination Centre staff to contact the Telstra representative to advise of the possibility of flooding, and to ensure that Telstra had safeguards in place to protect its essential infrastructure.

132. In preparation for the flood event Telstra took steps to sandbags its premises, as there was a concern of the possible overheating to essential equipment located on the first floor of the building. This floor is located below the projected flood levels and also below the 1974 flood level.

133. I also spoke with EMQ to access some satellite phones to be used by the Ipswich LDMG and by myself as LDC should telecommunications become unavailable. These satellite phones were procured and EMQ now has a store of satellite phones available for use if required in a future event. ICC is now considering the installation of satellite capabilities as a redundancy back-up for its ICT system during an emergency event.

134. The Telstra representative attended Ipswich DDMG meetings as an observer and kept the DDMG and myself as LDC updated throughout the flood event. In addition, Coordination Centre staff were in regular contact with Telstra. However, as it transpired, there were no issues with the maintenance of telecommunications services during the flood event. As a result of its experiences during the flood event, Telstra is investigating the relocation of essential equipment (air-conditioners and fuel reserves) to the third floor of the exchange. This floor is located above all previous flood heights.

Water and Sewerage

135. The essential services of water and sewerage are addressed at paragraph 4.9(a) of the ICC Submission. There were no major issues. Due to the nature of sewerage pump stations, these tend to be located in low lying areas and are susceptible to flooding. As the flood waters receded, primary treatment of sewerage resumed at the pump stations. However, due to the flooding of the Goodna and the Bundamba waste water treatment plants, it was some considerable time before secondary treatment of sewerage could be undertaken at these plants.

136. As a result there was the potential for increased adverse environmental risks in relation to the issue of untreated sewerage. This risk was closely monitored by Council Environment and Health officers following the flood event.

137. The treatment of sewerage would have been a more significant issue had the flood waters remained for a longer period of time, as the primary treatment of sewerage could not resume whilst the pump stations remained flooded.

138. The QUU representative attended the Ipswich LDMG meetings as an observer and kept the Ipswich LDMG updated throughout the flood event. I anticipate that as a result of its experience gained from the flood event, QUU will investigate plans for the enhanced protection of its pump stations and treatment plants in a future flood event.

Power

139. The following observations are an amplification of the matters addressed in the ICC Submission. Firstly, Energex took steps to cut off consumer access to the power grid as a safeguard against potential inundation and possible injury to the community. Although Energex was represented at the Ipswich LDMG meetings, ICC did not know in advance which parts of the City were being cut off, or when they were being cut off. As a result the Ipswich LDMG and the ICC had no means of alerting the community in advance of power cut-offs occurring. Energex sought to manage the provision of such information to the community through its own communications resources. The cutting off of power with limited (or in some cases no) advance warning resulted in significant community frustration.

140. Secondly, power was cut off to areas that were not inundated, including areas that were never at risk of inundation. An example addressed in the ICC Submission concerns the Polar Ice Works. The ice production facility was not inundated, but power to the facility was cut off as a precaution, due to inundation of adjoining areas. On Thursday, 13 January 2011 I asked Energex, through its representative, to restore power to this facility so that ice could be produced for the use of residents whose homes were without power. However, power was not

restored to the ice works until the early hours of Monday, 17 January 2011. The cutting off of power to areas that were not inundated, and were never at risk of inundation was also the cause of significant community frustration.

141. Conversely, when resources were available, Energex was able to respond in a timely manner. One example of this concerned the restoration of power to the Riverview Gardens Nursing Home once it was determined that the Home had not been affected by the flood. This enabled the residents to be returned to the Home, and allowed ICC to progress the closure of the Ripley evacuation centre.

142. In the context of forward planning for the management of any future flood event I consider it is important that Energex has plans in place which enable it to assess where the flood impact will occur, and mechanisms within its infrastructure which enable it to isolate the "at risk" areas from those areas that are not "at risk", so as to ensure that the supply of power is maintained to those areas which fall outside of the "at risk" zone.

143. The loss of power during a disaster event has a range of significant implications. Some of these are addressed at paragraph 9.67 of the ICC Submission, and are not repeated in this statement.

Food/Fuel

144. Ipswich did not experience any major issues with the provision of food or fuel during and after the flood event. Prior to the flood event there were some instances of "panic" buying by consumers, and during the event the Coles Supermarket within the Ipswich CBD was inundated.

145. However, in terms of resupplying supermarkets and fuel stations, the only impediment was access to those locations as a result of road closures. During the recovery process the ICC Procurement Manager worked closely with major suppliers to ensure restoration of the supply of food and fuel to the City as quickly as possible. This restoration of supply proceeded smoothly, and Ipswich did not experience a food or fuel crisis.

146. The only real issues with food supply were:

(a) in connection with the supply of food to the ICC evacuation centres, particularly on the evening of Tuesday, 11 January 2011. This issue is addressed at paragraphs 10.41 - 10.42 of the ICC Submission; and

(b) in connection with supply to the organic evacuation centres which were established at the Karalee State School and the Leichhardt Avon Community Hall following the isolation of those communities. Whilst those areas remained isolated food drops were carried out by SES boats and by four-wheel drive access.

Rail Transport

147. The Brisbane-Ipswich-Rosewood rail line closed on Tuesday, 11 January 2011. Some flood damage was sustained to rail infrastructure, particularly around the Goodna Railway Station. Following the flood waters receding on Thursday, 13 January 2011 the Brisbane-Darra rail line reopened, with bus transfers beyond Darra. On Sunday, 16 January 2011 a single rail line reopened and on Tuesday, 18 January 2011 the Brisbane-Ipswich-Rosewood line was fully reopened.

Roads

148. The Ipswich area sustained a considerable number of road closures as a result of inundation. This issue is addressed more fully in my comments below in response to Topic 11.

Bridges

149. The Ipswich City area is serviced by three major bridges:

(a) the David Trumpy (or "Town") Bridge: this bridge crosses the Bremer River and links the City of Ipswich to North Ipswich. The David Trumpy Bridge was not flooded but the approaches to the bridge on the town side were flooded, with the result that the bridge was closed for approximately 24 hours. With some inconvenience to motorists, the David Trumpy Bridge is able to be by-passed;

(b) the One Mile Bridge: this bridge crosses the Bremer River and links the City of Ipswich to the communities of Leichhardt, Walloon, Rosewood and beyond. It also provides access to the "secondary entrance", via the Three Mile Bridge, to the Amberley Air Force Base, the "primary entrance" being from the Warrego Highway. The One Mile Bridge and the Three Mile Bridge were inundated with the result that the bridges were closed for approximately 24 hours. The One Mile Bridge can be by-passed so long as the David Trumpy Bridge is open, but when both bridges are closed there are significant restrictions on access from Ipswich to the townships of Walloon and beyond; and

(c) the Bundamba School Bridge: this bridge crosses Bundamba Creek at the Bundamba State School on the main Brisbane-Ipswich Road. The bridge and its approaches were inundated with the result that it was closed for approximately 24 hours. The Bundamba School Bridge can be by-passed.

Conclusion - Essential Services

150. With the exception of the maintenance and reinstatement of the supply of power, during the flood event the City of Ipswich did not experience any major issues in relation to the preservation of vital infrastructure or in relation to the management, maintenance or reinstatement of the supply of essential services.

Topic 9 - Weather forecasts and flood warnings and public dissemination of that information

Sources of information concerning weather and flood forecasts

151. The sources of information to ICC and the Ipswich LDMG concerning weather and flood forecasts and warnings are:

(a) the BOM website;

(b) the official BOM weather and flood warnings;

(c) Seqwater reports and updates (these reports are also received by BOM);

(d) information recorded in the ICC Enviromon system from ICC Alert gauges (this information is also received by BOM); and

(e) local "field" intelligence communicated to ICC. This information is usually received through telephone calls from ICC staff, other Ipswich LDMG agencies and the community to the Coordination Centre and generally concerns overland flooding giving rise to road closures. Another source of "field" intelligence are the ICC survey staff deployed to visually monitor critical gauges, who also serve to verify Alert readings.

152. Although reliance is placed by ICC on all of these sources of information, the Council relies on the information provided by BOM and Seqwater as the authoritative sources of information regarding a developing flood event, dam releases and the likely impact of the event within the Council area.

153. The BOM weather and flood warnings include information as to the predicted Bremer River and Brisbane River heights. It is these river height predictions that underpin Ipswich LDMG decision making in relation to warnings to the community, evacuation plans, evacuation centres and road closures.

154. Paragraphs 8.4-8.6 of the ICC Submission address these weather and flood forecast information sources. Paragraphs 8.7-8.12 then describe the development of the flood event and paragraphs 9.1-9.9 address the notice ICC received as to the scale of the flood event. Schedule 5 to the ICC Submission is a comprehensive table which summarises the information received by the Ipswich LDMG from Monday, 10 January 2011 through to the Bremer River flood peak, which occurred at 1:00pm on Wednesday, 12 January 2011. Except where it is appropriate to do for purposes of context I do not repeat in this statement the information contained in those paragraphs of the ICC Submission.

BOM reports

155. Attached to my statement is a folder containing the following material:

ATK-18: an index of all reports that ICC has a record of having received from BOM between 7 December 2010 and 21 January 2011;

ATK-19: copies of the reports contained in the aforesaid index.

Seqwater reports

156. Attached to my statement is a further folder containing the following material:

ATK-20: an index which identifies:

(a) by those items which are not highlighted in the index, reports that ICC has a record of having received from Seqwater which are identified by Seqwater in appendix E to its report dated 2 March 2011 entitled "Report on the operation of Somerset Dam and Wivenhoe Dam" as situation reports 1-34 issued by Seqwater between 6 January 2011 and 19 January 2011;

(b) by those items highlighted in blue in the index, reports that ICC has a record of having received from Seqwater which are not identified by Seqwater in appendix E; and

(c) by those items highlighted in yellow in the index, situation reports identified in appendix E that are said to have been issued by Seqwater but that ICC is presently unable to identify as having been received by ICC;

ATK-21: copies of the reports received by ICC by Seqwater, being the reports that fall within categories (a) and (b) above.

Predicted levels of the Bremer River at the Ipswich gauge

157. At 12:36am on Monday, 10 January 2011 BOM advised a level of 4.1 metres rising at the Ipswich gauge and predicted further rises in the next 24 hours with at least minor flood levels expected in the Bremer River at Ipswich during Monday night and continuing into Tuesday.

158. At 6:30am on Monday, 10 January 2011 Seqwater issued a situation report (14) advising that the objective for dam operations was to minimise the impact of urban flooding in areas downstream of the dam and, at that stage, releases would be kept below 3,500m^3/s and the combined flows in the lower Brisbane River will be limited to 4,000m^3/s if possible. Seqwater advised that currently the estimated peak flow in the lower Brisbane River would be the highest since Wivenhoe Dam was completed in 1984 but still well below the 1974 levels. Seqwater advised that heavy rainfall continued throughout south east Queensland and the situation could deteriorate rapidly over the next 24 hours.

159. At 7:00am on Monday, 10 January 2011 Mr Hickey from ICC spoke with BOM by telephone, which predicted a "moderate" flood height for the Bremer River at Ipswich of approximately 8.2-8.3 metres, to be achieved by Tuesday afternoon. Following his conversation with BOM, Mr Hickey spoke with Mr Teece and myself, and we reviewed the potential impacts on Ipswich of this prediction. A flood peak of 8.3 metres might impact a small number of properties. It would not justify setting up an evacuation centre.

160. At 8.28am on Monday, 10 January 2011 BOM predicted a peak of at least 9.5 metres (moderate) at Ipswich during the early hours of Tuesday. In terms of its impact, a peak of 9.5 metres was not materially different to the earlier predicted peak of 8.3 metres.

161. At 10:00am on Monday, 10 January 2011 I telephoned the Seqwater flood desk and was informed by the duty engineer that the position had not changed from Seqwater's earlier advice with regard to dam releases.

162. At 12:16pm on Monday, 10 January 2011 Seqwater issued a situation report (15). The "impacts downstream of Wivenhoe Dam" and the "outlook" in this report were identical to the Seqwater situation report (14) issued at 6:30am that day.

163. At 4:17pm on Monday, 10 January 2011 BOM issued a report that the Bremer River at Ipswich was expected to reach about 12.7 metres on Tuesday afternoon and that higher levels were possible. A predicted flood peak of 12.7 metres had the potential to cause some minor flooding to approximately 80 properties. It did not justify the establishment of an evacuation centre.

164. At 6:13pm on Monday, 10 January 2011 BOM issued an update which included a prediction for the Bremer River at Ipswich in the same terms as its 4:17pm report.

165. At 6:43pm on Monday, 10 January 2011 Seqwater issued a situation report (16) that the flash flooding experienced in the upper areas of Lockyer Creek had been examined and was not expected to significantly increase Brisbane River flows above the current projection of 4,000m^3/s at Moggill. Seqwater advised that water levels in the lower Brisbane River would be impacted by the combined flows of Lockyer Creek, Bremer River, local run off and releases from Wivenhoe Dam, that heavy rainfall continued throughout south east Queensland and the situation could deteriorate rapidly over the next 24 hours.

166. At 9:44pm on Monday, 10 January 2011 BOM issued a report which contained the same prediction of approximately 12.7 metres for the Bremer River peak at Ipswich.

167. At around 11:00pm on Monday, 10 January 2011 I telephoned the Seqwater flood desk and was informed by the duty engineer that the position had not changed from Seqwater's earlier advice with regard to dam releases.

168. At 11:56pm on Monday, 10 January 2011 Seqwater issued a situation report (17) which was in essentially the same terms as situation report (16) except that Seqwater advised that consideration would be given to modifying the releases from Wivenhoe Dam to try to moderate the peak flows emanating from Lockyer Creek.

169. At 12:07am on Tuesday, 11 January 2011 BOM issued an update which did not change its predicted peak of 12.7 metres for the Bremer River at Ipswich.

170. At 4:07am on Tuesday, 11 January 2011 BOM issued a further report which again did not alter its predicted peak of 12.7 metres for the Bremer River at Ipswich.

171. At 6:12am on Tuesday, 11 January 2011 Seqwater issued a situation report (18) advising that releases from the dam had been held at a rate of 2,750m^3/s since 7:30pm on Monday, 10 January 2011 but that if further rainfall occurred dam releases may need to be increased and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000 m^3/s. Seqwater also advised that as a result of rainfall in the past 12 hours in the catchment above the dam, the option of modifying the releases from Wivenhoe Dam to try to moderate the peak flows emanating from Lockyer Creek was not possible. Therefore instead of decreasing releases to accommodate the Lockyer Creek flows, the strategy will endeavour to maintain the current releases until Lockyer Creek peaks.

172. At 8:00am on Tuesday, 11 January 2011, notwithstanding that the highest and most recent prediction from BOM for the Bremer River peak at Ipswich was 12.7 metres, the Ipswich LDMG observed that the predicted peak recorded on the BOM website for the Bremer River was 14.7 metres. In light of this website prediction the Ipswich LDMG converted its status to "Stand up level 1". A predicted Bremer River flood peak at Ipswich of 14.7 metres had the potential to impact 200-300 homes. Based on the Council's mapping information, a 14.7 metre flood peak would not result in evacuation centres having to be established, but the revised figure was concerning.

173. At 9:29am on Tuesday, 11 January 2011 BOM issued a report predicting the Bremer River at Ipswich was expected to reach about 16 metres during Wednesday and that higher levels were expected. I was surprised by the sudden increased prediction from 12.7 metres to 14.7 metres to 16 metres. The predicted flood peak of 16 metres constituted a major event and resulted in the

Ipswich LDMG initiating a range of urgent activities. These activities are detailed in the ICC Submission.

174. As no further prediction had issued from BOM, I telephoned BOM shortly prior to the Ipswich LDMG meeting held at 2:00pm on Tuesday, 11 January 2011 and was informed that the predicted flood peak for the Bremer River at Ipswich remained at 16 metres.

175. However, shortly afterwards, at around 3:00pm, the BOM website predicted a flood peak for the Bremer River at Ipswich of 18-19 metres. At 3:13pm I telephoned BOM to confirm the revised prediction appearing on the BOM website, and was informed that the predicted peak for the Bremer River at Ipswich was 22 metres and that higher levels were possible if rain continued.

176. At 3:24pm on Tuesday, 11 January 2011 BOM issued a revised prediction, confirming what I had been told in the telephone conversation at 3:13pm, that the Bremer River at Ipswich was expected to reach about 22 metres during Wednesday and that higher levels were possible as rainfalls continued.

177. At 8:06pm on Tuesday, 11 January 2011 BOM issued a report predicting that the Bremer River at Ipswich was expected to reach around 21.5 metres during Wednesday.

178. This prediction was repeated in a report issued by BOM at 12:19am on Wednesday, 12 January 2011 and in a further report issued by BOM at 4:03am on Wednesday, 12 January 2011.

179. In reports issued by BOM at 7:34am, 7:57am and 11:57am on Wednesday, 12 January 2011 the Bremer River peak was revised to 20.5 metres.

180. The Bremer River at Ipswich peaked at 19.4 metres at 1:00pm on Wednesday, 12 January 2011 and remained at that peak for approximately 4 hours.

181. Although Seqwater continued to issue situation reports from the afternoon of Tuesday, 11 January 2011 those reports were, in effect, superceded by the BOM predicted peak of 22 metres. Ipswich LDMG mapping indicated that a flood peak of 18-19 metres could potentially impact

over 6,500 properties and that a peak of 22 metres would be significantly more catastrophic than that.

Impact of the predicted flood peak and steps taken to disseminate information to the community

182. The predicted flood peak of 12.7 metres for the Bremer River at Ipswich remained constant from around 4:00pm on Monday, 10 January 2011 through to around 8:00am on Tuesday, 11 January 2011. Then, over the course of the next 7 ½ hours, the prediction increased from 12.7 metres to 22.0 metres.

183. The increase in the predicted flood peak from 12.7 metres to 16.0 metres between 8:00am and 9:30am on the morning of Tuesday, 11 January 2011 made it impractical for the ICC to use its call centre, or to undertake personal visits and door knocking to alert residents to the flood event threat. The sudden increase in the number of homes and businesses potentially impacted made telephone calls or personal visitations impossible.

184. Instead, a decision was taken by myself and the Deputy Chair, Councillor Nardi, to issue a warning to residents through the State's Emergency Alert System. Councillor Nardi and the EMQ representative on the Ipswich LDMG, Mr Mark Kelly, drafted a message. However, the drafting of the message had to be revised because of the changes in predicted flood peaks, as these changes then resulted in an increase in the impact area to which the message had to be issued.

185. The message was approved by Councillor Nardi and then passed to the Ipswich DDMG and subsequently to EMQ for approval, before it was finally issued at 3:24pm on Tuesday, 11 January 2011. A copy of this message appears at annexure 6 to the ICC Submission.

186. I am concerned that it took too long for the message to issue. This was in part due to the impact of the changing information as to the flood peak, in part because of the time taken to convert the flood information into lists of potentially impacted streets, and also in part due to the series of approval and logistical processes required to be undertaken to enable the Emergency Alert to

issue. The nature of an Emergency Alert is that it should issue quickly, and a learning from the flood event is that the procedures regarding the use of the State's Emergency Alert System should be reviewed to facilitate the more timely issuing of emergency messages, including the development of a suite of pre-drafted messages and impact maps based on a range of pre-modelled events.

187. In addition to using the Emergency Alert system, the primary and most effective means of conveying warnings to the community were through:

(a) the regular broadcasting of the updated BOM information over the radio;

(b) the very effective communication of the flood warnings, in particular by the Ipswich Mayor, Councillor Pisasale, through extensive radio interviews and also some television interviews;

(c) similar communication through radio and television by Councillor Nardi; and

(d) the regular broadcasting of the updated BOM information in television news broadcasts and updates, although it should be noted in this regard that the television reports were:

(i) quite "Brisbane centric", with the result that conveying the local "Ipswich message" was somewhat difficult; and

(ii) to many residents, reporting the predicted flood peak of the Bremer River at the Ipswich gauge was, in any event, a relatively meaningless reference unless the reference was placed in some other relevant context.

Topic 10 - The accuracy and timeliness of weather forecasts and flood warnings

188. The following comments concern the accuracy and timeliness of the information concerning the flood forecasts and warnings, and the effectiveness of the warnings for local purposes.

189. Firstly, the information contained in the dam release situation reports issued by Seqwater was quite uninformative and lacking in detail, insofar as any impact on the residents of Ipswich was concerned, and were of little relevance for local purposes. The information primarily relied on for local purposes was the BOM updates.

190. Secondly, with regard to the BOM updates, as has been noted, the nature of the information changed very significantly in a short period of time. To respond effectively to the flood threat the Ipswich LDMG needed to be notified of the prediction that the flood peak might increase to 22 metres as soon as possible. This would have enabled the ICC Hydrologists and Asset and Spatial team to carry out their mapping as to potential impacts at an early stage. This would have resulted in more effective warnings being issued, more time for residents to prepare their homes and protect belongings, more time to prepare evacuation centres, more time to attend to road closures, more time for businesses to implement business continuity arrangements, more time for ICC to protect its potentially affected assets and infrastructure and the such like.

191. It may be that, having regard to all of the variables with which it was dealing, the information provided by BOM was as accurate and as timely as was possible. However, I was concerned, in particular, at the lengthy delay, during what was really the peak of the crisis, between BOM issuing its report of a predicted peak of 16.0 metres for the Bremer River at Ipswich at 9:29am on Tuesday, 11 January 2011 and then not issuing another official warning until 3:24pm that afternoon. It was this delay which prompted my telephone calls to BOM at 1:56pm and at 3:13pm on Tuesday, 11 January 2011 to obtain updated predictions.

192. Whatever the explanation for the rapid escalation in predicted flood peaks from 8:00am on Tuesday, 11 January 2011, it would have been helpful to the Ipswich LDMG and for the City of Ipswich to have received additional warning and additional planning time. The increase from 12.7 metres to 22.0 metres over a short period of time had significant adverse implications for Ipswich.

193. As I have outlined in this statement, ICC and the Ipswich LDMG were well prepared for the pending flood event. It was the sudden "ramping up" of the predicted peak which was the issue, as it was only when the predicted peak extended beyond 12.7 metres that most of the required actions and response had to be initiated. As a result the Ipswich LDMG, the Council, relevant agencies and the community had to scramble to deal with the situation. My belief is that everyone concerned responded extremely effectively, but it would have been much better for everyone concerned if the response could have been effected in a more orderly fashion.

194. Thirdly, an issue for the Ipswich LDMG was its ability to interpret the BOM information. The Ipswich LDMG Hydrologists are aware of the impact of a Brisbane River flood event on the lower reaches of the Bremer River. Accordingly, the two relevant BOM predictions for Ipswich LDMG purposes are the predicted Brisbane River peak at the Moggill gauge, and the predicted Bremer River peak at the Ipswich (David Trumpy Bridge) gauge.

195. For flood modelling and impact analysis purposes during the flood event, the ICC Hydrologists used pre-existing flood impact maps for events of various magnitude at the two gauges to plot the theoretical impact of the BOM predictions. The first of these maps plots the predicted footprint of the Bremer River flood peak at the Ipswich gauge as a purely Bremer River event. The second map overlays the first, and plots the predicted footprint of the Brisbane River flood peak at the Moggill gauge. The impact of the Moggill peak on the Bremer River (and its tributaries) is more pronounced in the lower reaches of the Bremer River, downstream from the David Trumpy Bridge. In other words, the ICC Hydrologists take the two BOM predictions for the Ipswich and Moggill gauges and overlay the predicted Brisbane River impact on the predicted Bremer River impact to obtain a predicted event impact, adopting the David Trumpy Bridge as an arbitrary cut off point for the influence on the Bremer River of the Brisbane River event.

196. As I understand it, BOM, in providing its projected flood peaks, undertakes comprehensive modelling based on numerous factors, and the predicted peak of the Bremer River at the Ipswich gauge already includes, as part of the BOM modelling, a predicted impact of the Brisbane River

flood event on the Ipswich gauge. However, modelling the theoretical impact of the BOM predictions is not a precise science. By treating the peak at the Ipswich gauge as a purely Bremer River event, and then overlaying this with the theoretical footprint of the Moggill flood peak to model the overall regional impact of the event, the ICC Hydrologists are therefore adopting a conservative (worst case) approach to the potential impact.

197. Finally, in terms of the effectiveness of the warning forecasts for local purposes, I repeat the learning mentioned earlier in this statement, and also identified at paragraphs 13.18-13.26 of the ICC Submission, that warnings by reference to flood peaks at particular gauges are meaningless to the majority of the community.

198. Information of the kind issued by Seqwater that Wivenhoe Dam releases will keep flows in the lower Brisbane River below 3,500m^3/s, 4,000m^3/s or 5,000m^3/s is even less meaningful to Ipswich residents.

199. For these warnings to be effective there either needs to be change in the nature of the information disseminated, or the information needs to be converted through some process so that what is provided to the community is information that the community can readily understand and respond to. In this regard ICC is presently investigating being a "pilot" region for possible implementation of the coastal evacuation framework into a riverene environment.

Topic 11 - Measure to protect life and private/public property

200. Local measures undertaken to protect life and public property in connection with the flood event (such as road/bridge closures, evacuation arrangements etc) are detailed in the ICC Submission and I do not repeat those matters in this statement:

(e) paragraphs 9.24-9.32 of the ICC Submission addresses the issue of road closures and reopenings;

(f) paragraphs 9.38-9.60 address the protection of Council's assets and infrastructure; and

(g) section 10.0 addresses the issue of evacuation centres.

201. The Ipswich LDMG Sitreps that were produced and issued throughout the duration of the flood event (AKT-6) include current lists of road closures. As I have explained in this statement, these Sitreps were widely circulated, including to the ICC call centre and to the ICC Media Manager, Mr Alan Roebuck. Mr Roebuck then issues the road closure information to the media and to the RACQ.

202. Dissemination to the community during the flood event of information as to road closures and evacuations centres was primarily effected through:

(a) the media, particularly ABC radio and the local Ipswich radio station, River 94.9FM;

(b) the ICC call centre, which operated 24/7 during the flood event and was kept fully updated with all relevant information; and

(c) posting the information on the ICC website (although, as noted at paragraph 9.9(e) of the ICC Submission, the ICC website was down between 11:00am and 1:30pm on Tuesday, 11 January 2011 as a result of the high number of hits it was experiencing).

Topic 12 - Rescues and evacuations

Voluntary Self-Evacuations

203. In total approximately 2,000 Ipswich residences were evacuated during the flood event, as well as number of aged care facilities and businesses. The vast majority of evacuations effected in the Ipswich area were voluntary self-evacuations.

Assisted Evacuations

204. There were also some assisted evacuations conducted by the QPS or by the SES. These evacuations were conducted on Tuesday, 11 January 2011 and Wednesday, 12 January 2011,

primarily in the townships of Rosewood and Marburg (on 11 January 2011) and in the suburbs of Karalee, Bundamba, North Booval and Goodna. I am not aware of the overall number of assisted evacuations, but do not believe the number was substantial.

205. I am not aware of any particular issues or incidents in relation to assisted evacuations other that in a number of instances, particularly in the Goodna area, some residents initially declined QPS or SES requests to evacuate, only to then be the subject of an assisted evacuation some hours later.

Rescues

206. I am not aware of any rescues being effected in the Ipswich area.

Karalee Medical evacuation

207. I am aware however of an issue which arose concerning a request for the urgent evacuation of four people from the Karalee Evacuation Centre on medical grounds.

208. During the course of the flood event, an "organic" evacuation centre was established by the QPS at Karalee State School, as the Karalee community had become isolated by the flood event.

209. On Wednesday, 12 January 2011 a QPS officer at the Karalee Evacuation Centre contacted the Ipswich Coordination Centre advising that there were four people at the Karalee Evacuation Centre who required urgent medical evacuation for medical attention.

210. Despite concentrated efforts through the QPS and QAS to secure helicopter assistance to effect this evacuation, the Coordination Centre was unable to secure a helicopter to effect the evacuation. I understand the issue was only resolved some considerable hours later when a helicopter attended at the Karalee Evacuation Centre to provide supplies and a Police Officer stationed at the centre coerced the helicopter pilot to evacuate the patients.

211. An issue for future consideration which arises more generally from this incident concerns the arrangements and processes for the procurement and deployment of helicopter support in the

case of a crisis event or medical emergency. Particularly in the case of Ipswich, which has the Amberley Air Force base located within its local authority area, and a representative of the Australian Air Force (**RAAF Amberley**) sitting as an advisor to the Ipswich DDMG, the issue which arises is the circumstances in which the Amberley Base Commander could consider a request from the Ipswich DDMG for the provision of helicopter support.

212. As part of the Ipswich DDMG debrief following the flood event, the EMQ representative on the Ipswich DDMG indicated that for short term (less than 24 hours) urgent deployment requests such assistance, if available, could be deployed by RAAF Amberley in direct response to a request for assistance from the Ipswich DDMG. However, requests for more sustained or longer term assistance would have to be processed through the usual disaster management request for assistance approval processes.

213. This is an issue which will be further considered by the Ipswich DDMG and by the Ipswich LDMG, as the provision of such support would be very relevant to future management planning for the carrying out of rescues and evacuations in a crisis situation.

214. In the case of the flood event, with the exception of the Karalee incident described above, I consider the processes for the carrying out of assisted evacuations to have been adequate and timely. As noted, I am not aware of any rescues having been effected in the Ipswich area.

Topic 13 - The establishment, operation and performanee of evacuation centres

Overview

215. The position with regards the circumstances of the establishment and subsequent operation and performance of evacuation centres within the Ipswich local area, including an assessment of any particular difficulties encountered, is addressed in detail in section 10.0 of the ICC Submission (paragraphs 10.1 - 10.75) and also at paragraphs 13.45 - 13.46 of the ICC Submission. I refer the Commission to the matters detailed in the ICC Submission and do not repeat the information set out in the Submission in this statement.

Additional observations regarding evacuation centres

216. By way of a supplement to the matters addressed in the ICC Submission I only wish to make the following points.

217. The Ipswich LDMG had been on stand-by to proceed with the establishment of evacuation centres, if required, for a considerable period of time. The prospect of evacuation centres was very much a front of mind issue. However, evacuation centres are resource intensive, requiring the coordination of a large number of support agencies (comprising both professional support and voluntary support) and the decision to establish an evacuation centre is not one which should be made lightly, or prematurely.

218. As previously described in this statement, following the Ipswich LDMG meeting on 26 October 2010, steps had been taken to secure the availability of the Ipswich Showground as an evacuation centre if required.

219. In addition, Ms Brooke de Jong, who as the ICC Home Assist Program Coordinator would be directly involved in establishing evacuation centres, had attended the Ipswich LDMG meetings on 23 December 2010, 27 December 2010 and 28 December 2010 as an observer. Ms de Jong had also been sent my email of 7 January 2011 (attachment AKT-1) advising of the change of status of the Ipswich LDMG from "Alert" to "Lean Forward One" and requesting all agencies to review their level of readiness.

220. Ms de Jong had also been in attendance at the two Ipswich LDMG meetings held on Monday, 10 January 2011 and at the 8:00am meeting of the Ipswich LDMG on Tuesday, 11 January 2011. Ms de Jong was ready to assist with the establishment of evacuation centres if and when required.

221. However, the issue that was the cause of the initial "teething" difficulties with establishing the evacuation centres was the extreme urgency with which the requirement to establish them arose, consequent upon the projected flood peak in Ipswich moving from 12.7 metres at the

commencement of the Ipswich LDMG meeting at 8:00am on Tuesday, 11 January 2011 to 16.0 metres at 9:30am that day and then to a prediction of at least 22.0 metres by 3:24pm that afternoon. At a projected peak of 12.7 metres, minor flooding would be sustained to approximately 80 properties. This level of flooding did not justify the application of the resources involved in the opening of an evacuation centre. However, the 9-10 metre increase in the projected flood peak over a seven hour period on Tuesday, 11 January 2011 dramatically altered the situation and resulted in the evacuation centres having to be established and resourced very urgently.

222. Notwithstanding this urgency and the initial "teething" difficulties detailed in the ICC Submission, the centres, on the whole, functioned very successfully. For any future event the key issue is to obtain more timely projections of the likely flood peak, as effective decision making in relation to evacuation centres is dependent on this information.

223. My only additional comments in connection with evacuation centres are that:

(a) the Ipswich LDMG plan had been to use the Ipswich Showgrounds as the central location at which evacuees were received, with a view to then bussing evacuees to other evacuation centres, as appropriate. By this means, for example, the aged and infirm evacuees could be concentrated at the Ripley Community Evacuation Centre, while families could be transported to one of the Grammar Schools. However, as the event unfolded, the proposal that the Ipswich Showgrounds be utilised as the central reception point did not work as efficiently as had been hoped for. Part of the difficulty was that the media published the location of all evacuation centres, with the result that evacuees turned up at all of the centres. In the case of planning for a future event, further consideration should be given to this issue, as I consider there to be considerable benefits which arise from the reception and processing of evacuees through a central reception point;

(b) an evacuation centre was also established by the SES and QPS at the Rosewood State High School on Tuesday, 11 January 2011. This evacuation centre is not referred to in the ICC Submission. ICC was initially unable to support this evacuation centre as the Rosewood district had become isolated by the flood event; and

(c) a critical period for resourcing evacuation centres is the initial 12/24 hour period of the event. To better manage this initial phase in any future event:

(i) ICC is seeking to establish a MOU with the Red Cross as to the respective roles and responsibilities of ICC and the Red Cross in relation to evacuation centre management;

(ii) the Red Cross is taking steps to increase its local volunteer base and to provide enhanced skills training to that volunteer base so that local Red Cross personnel are available to provide immediate "on the ground" assistance and support in the initial 12/24 hours of a crisis event; and

(iii) Council is liaising with the State Government Procurement Agency to increase ICC's local logistics capability during emergency events. The purpose is to ensure that ICC has the capability to readily source essential supplies (for example bed, linen, food, water etc) as quickly and efficiently as possible in an emergency event.

Topic 14 - The circumstances of any flood related human fatality

224. There was one flood related human fatality in the ICC local government area. This fatality occurred at Campbells Gully on the Karrabin-Rosewood Road on Wednesday, 12 January 2011.

225. I am not familiar with the circumstances of this incident and am unaware of any eye witness to the incident. The incident is under investigation by "Task Force Galaxy" in preparation for a coronial investigation.

226. This incident is addressed at section 12.0 of the ICC Submission. If as a result of the coronial investigation there are any measures identified to prevent or better respond to such an incident, these measures will be taken into consideration and addressed by ICC.

Topic 15 - The involvement of State and Federal agencies during the flood event

Federal Agencies

227. The only Federal agency with whom I had dealings during the flood event was the Department of Defence (RAAF Amberley). As is noted at paragraph 11.13 of the ICC Submission, the Australian Defence Force provided extraordinary support to the Ipswich community, particularly in connection with the recovery and clean-up effort.

State Agencies

228. The timeliness of support by various State agencies was largely a factor of the level of resources the agencies had available. Because of the extensive nature of the flood event throughout southern Queensland, the resources of most State agencies were extremely stretched. Despite this, overall the response of State agencies throughout the flood event was excellent, particularly in the context of the magnitude of the event and the resources available. The "people on the ground" from all agencies made a wonderful contribution. Notable emergency response measures included:

(a) **Queensland Police Service** - the QPS provided significant support in establishing and managing the Karalee evacuation centre, effecting evacuations (notably in the Karalee, Goodna and North Booval areas), as a source of information to the community and as a source of support and advice to me during the course of the flood event. QPS was also very effective in initially coordinating the ADF recovery activities in the Karalee and Barellan Point localities;

(b) **Queensland Fire and Rescue Service** - QFRS worked tirelessly throughout the flood event and their rapid impact assessment immediately following the event provided an invaluable initial picture of the impact of the event on the community;

(c) **Emergency Management Queensland** - the EMQ representatives provided invaluable advice and support to me during the response phase and EMQ provided experienced staff to assist in the recovery phase. Within the EMQ framework, SES undertook 1,400 jobs locally, including effecting assisted evacuations, particularly in Rosewood, Goodna, Karalee and North Booval;

(d) **Queensland Ambulance Service** - QAS assisted with the transfer of aged evacuees to alternative nursing home facilities and to the Ripley evacuation centre, and provided ongoing support at evacuation centres for the duration of the event;

(e) **Queensland Health** - the Ipswich Public Health Officer worked tirelessly throughout the event and Queensland Health provided significant support to the evacuation centres and to the community more generally. The only issue experienced was the incident described at paragraph 10.70 of the ICC Submission;

(f) **Department of Communities** - DCS provided excellent support in both the immediate response phase, and in the recovery phase following the flood event. This support was especially appreciated as it was provided notwithstanding DCS had been made homeless in Ipswich by the flood event and its resources were very thinly stretched across the State.

Assessment of the adequacy and timeliness of emergency response services

229. I have already observed that the major factors impacting on the adequacy and timeliness of the response of State agencies were the extent of the flood event being experienced and the limited resources available. In the case of agencies such as QPS and EMQ, the availability of resources

was also impacted by the terrible events experienced in the Lockyer Valley and Toowoomba on Monday, 10 January 2011.

230. However, in relation to broader systemic issues impacting on the adequacy and timeliness of support, I make the following three comments.

231. Firstly, I consider the effectiveness of the response to a crisis event would be enhanced by a representative of the relevant State agencies being present in the Coordination Centre for the duration of the event. This did not occur during the flood event. Representatives of the various agencies attended at the Hayden Centre for the purpose of Ipswich LDMG meetings, but following the meeting, many then left the Centre to attend to their own issues. This impacted adversely on communications, with consequential delays, as it resulted in communication with relevant agencies having to generally be conducted by telephone.

232. Had representatives of all agencies been permanently available in the Coordination Centre, to be consulted on a "face to face" basis, this would, to my mind, have significantly enhanced the adequacy and timeliness of the response to the flood event. I appreciate however that with limited resources, this may be a goal which is simply not logistically achievable.

233. Secondly, there is a material difference in the geographic areas of responsibility for the various agencies, and their areas of responsibility do not mirror the area for which ICC and the Ipswich LDMG are responsible. For example, the area of responsibility of the local branch of DCS extends as far as Roma and St George. Because of this disharmony in areas of geographic responsibility, there are inevitable competing priorities for agency resources.

234. Thirdly, delays were experienced in the Ipswich LDMG receiving a response to requests for assistance (RFA). The process is that RFAs are issued by myself to the DDC who refers the request to the State. This is a somewhat cumbersome process. An RFA is not issued unless support is needed. However, once a RFA issued, I had considerable difficulty in obtaining information as to who would respond to the RFA and when the response would occur.

235. The practical reality, in the case of Ipswich, is that if the Ipswich LDMG cannot resource a requirement locally, it is highly probable that the Ipswich DDMG, which oversees the Ipswich and Somerset areas, will also be unlikely to have the capability to resource the request, and the request will then be referred to the State.

236. As a means of more effectively addressing this issue:

(a) I have previously detailed in this statement the benefits which I consider could be gained from the implementation of a fully integrated Statewide common ICT system in "tracking" the current status of RFA's;

(b) within Ipswich, our procurement officer is looking to develop a process whereby, at a local authority level, we can directly access the State's procurement processes and contracts so as to support local requirements in a crisis event, thereby side-stepping the Ipswich DDMG in terms of satisfying resource requirements. I have discussed this proposal with the Ipswich District Disaster Coordinator who is not uncomfortable with this initiative, as he recognises the limitations on the ability of the Ipswich DDMG to assist the Ipswich LDMG with its resource requirements during the course of a crisis event. I consider that having in place protocols which would enable local government to directly access the State's procurement processes to assist in meeting resource requirements during a crisis event would be a significant step in enhancing the adequacy and timeliness of such support.

237. Because of these logistical difficulties, the Ipswich LDMG limited its requests for assistance during the flood event, and sought to satisfy as many requirements as possible by accessing local resources.

238. Attached to my statement and marked **ATK-22** are copies of the requests for assistance which were issued by the Ipswich LDMG to the Ipswich DDMG during the course of the flood event.

Topic 16 - Communications within the disaster management hierarchy

239. I am unaware of any directions given by the DDC during the flood event.

240. As LDC, I had no dealings with the State Disaster Coordinator during the course of the flood event. I am aware, however, that Councillor Nardi, as acting Chair of the Ipswich LDMG, and the Ipswich DDC participated in daily conference calls with the State Disaster Coordinator during the course of the flood event. I understand these conference calls to have been in the nature of briefing sessions, in which updates were provided by the Ipswich DDMG and by the Ipswich LDMG.

241. I also had no direct dealings with the State Recovery Coordinator. I did however receive a request from EMQ to provide EMQ with a copy of the Ipswich Local Recovery Plan for forwarding to the State Recovery Coordinator. I provided an initial draft of the recovery plan to EMQ in response to this request. Attached to my statement and marked **AKT-23** is a copy of the current draft ICC Local Recovery Plan.

242. I have previously addressed in Topic 15 some aspects of coordination between the Ipswich DDMG and the Ipswich LDMG, particularly in the context of requests for assistance during an emergency event. I do not repeat those comments in this section of my statement.

243. On 2 March 2011 I participated in a formal debrief of the flood event conducted by the Ipswich DDMG. Annexed to my statement and marked **AKT-24** is a copy of the report produced by the Ipswich DDMG following this debrief.

Topic 17 - The adequacy of equipment and communication systems

244. This statement and the ICC Submission (particularly at paragraphs 8.12, 9.6 and 9.9) have largely addressed the adequacy of equipment and communications systems in the local Ipswich area during the flood event.

245. In the overall circumstances, I assess the adequacy of the equipment and communication systems to have been very good. Ipswich was well prepared for the event, with the Coordination Centre having been established, tested, resourced and fully operational from Friday, 7 January 2011.

246. The ICC call centre operated on a 24/7 basis from the morning of Tuesday, 11 January 2011 for the duration of the flood event.

247. The ICC catchment Alert gauges functioned effectively throughout the duration of the flood event, sending information to the Enviromon system which also operated effectively for the duration of the event.

248. A significant issue in terms of communications support for Ipswich was that the ICC call centre was able to step in to support EMQ when the 132500 SES contact number went down for some hours on Monday, 10 January 2011. EMQ arranged with the telecommunications service provider for calls to this number to be diverted to the ICC call centre. Call centre operators were able to take the details of calls and email these to EMQ so that the SES contact number was able to operate effectively until this problem was rectified.

249. To my mind there were only three negative issues in terms of the adequacy of equipment and communications systems during the flood event:

(a) as has been previously mentioned, at approximately at 11:00am on Tuesday, 11 January 2011 the ICC website went off line for approximately 2 ½ hours as a result of the high number of hits it was experiencing;

(b) there was a software problem with the mapping component of PD Online which made it difficult to bring up maps from links on the ICC website. This issue had been identified by ICC before the flood event, and was rectified on about Thursday, 13 January 2011; and

(c) as a result of the flooding of the Riverview Depot, some road signage was unavailable to Council during the event.

Topic 18 - The adequacy of the Community response

250. The response by the Ipswich community during the flood event was inspirational. Community behaviours which had a particular impact on me include:

(a) the extraordinary contribution by volunteers across a range of areas. Volunteer support was particularly significant in:

(i) supporting the operation of evacuation centres, being both the ICC evacuation centres and the organic centres;

(ii) assisting neighbours with evacuations. Particularly noticeable was the feature that community members who had experienced the 1974 flood event were door knocking neighbours and encouraging them to take steps to evacuate and safe guard their belongings, and assisting their neighbours to do so; and

(iii) assisting with the clean-up of the City following the passing of the flood peak.

(b) the generosity of community members in providing food, clothing, and taking evacuees, in some instances total strangers, into their homes. A feature of the evacuation centres was car load after car load of food, clothing and other necessities being dropped by community members at the evacuation centres;

(c) supporting, in particular, the isolated organic evacuation centres established in local churches and community centres and assisting fellow community members to be comfortable in that environment.

251. ICC maintained a record of flood related assistance offers received by the Council. As at 1 February 2011 these included:

- 73 donations;
- 1129 registered volunteer offers direct to ICC by telephone;
- 310 registered volunteer offers direct to ICC via website;
- 1104 registered volunteer offers via Volunteer Queensland;
- 81 fee for service approaches;
- 177 various service offers via LGAQ;
- in excess of 30 various offers of services to the Ipswich LDMG via the State Disaster Coordination Centre.

252. The community spirit demonstrated by the Ipswich community in response to the flood event was overwhelming and inspiring.

253. There were certain small elements of the community who did not prepare for the event in the way that the majority of the community prepared, perhaps because they did not appreciate the significance of the event they were facing. An example of this is addressed in the ICC Submission, concerning residents of aged care facilities and nursing homes being left at evacuation centres without proper medication and other medical necessities. The ICC Submission also includes reference to the feature of some community members disregarding road closure signage.

254. However, these examples in no way undermine what was, in totality, the overwhelming goodwill, neighbourly support and encouragement demonstrated by the Ipswich community in its response to the flood event.

Topic 19 - Proposed mitigation measures for future flood events - to be addressed in a supplementary statement.

Topic 20 - Special geographic considerations relevant to Ipswich - to be addressed in a supplementary statement.

Topic 21 - Areas of particular difficulty or which may require practical or legislative change to improve future disaster management in Ipswich - to be addressed in an supplementary statement.

Dated this 6th day of April 2011



.....

Anthony Keith Trace

Ipswich City Situation Report (SITREP)

Event: **January 2011**

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC

Date	Time	Sitrep No.
25 January 2011	3.00pm	26

1. WEATHER

Local observations:	**Ipswich** **Forecast for Tuesday** Fine. Light to moderate E to NE winds. Precis: Fine Max 33 UV Alert from 7:50 am to 4:10 pm, UV Index predicted to reach 14 [Extreme] **Wednesday** Fine Min 20 Max 33 **Thursday** Fine Min 20 Max 33 **Friday** Fine Min 21 Max 36 **Saturday** A shower or two Min 22 Max 30 **Sunday** A few showers Min 21 Max 29 **Monday** A shower or two Min 20 Max 31

2. Damage assessment Overview
(Include brief summary of key points)

IPSWICH
Ipswich CC current estimate is that there are **8,773 properties** were impacted by flood waters. There are no houses in Ipswich currently inundated. QFRS have advised 1,000 houses had water in liveable areas, but this figure is being assessed as further data becomes available.

3. Significant Issues Summary
(Include those significant issues of interest to the QPS, Queensland Government and/or with potential for media interest)

IPSWICH
- Determining actual number of unhoused persons, as there is a large section of the community residing with friends and family.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to cease operation of the remaining evacuation centre.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House. Mains power has been restored to all properties. Only inundated areas to be reconnected to power.
- Undertaking impact assessment inspections on identified residential, business and community assets.

DISTRICT REPORTS

4. Summary Of Past 24 Hours By DDMG / LDMG
(Include brief details of operations, visits, etc)

IPSWICH
Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
Undertaking of Housing requirement assessments for evacuees.

ICC.005.1738

QUU monitoring their assets – 11 pump stations are being restored as well as Bundamba & Goodna Treatment plant only at stage 1 treatment.
No issues with water supply except for Marburg where QUU have issued water safety advice to residents to boil water before use as a precaution.

4. Projected Recovery activities / objectives
(Identify short term (up to 24 hours) and longer term (24 hours+) recovery activities and objectives, including anticipated re-supply requirements)

IPSWICH
QFRS Rapid Assessment and Fly over assessments have been finalized
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees.
Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 20,000 Tonnes have been disposed of.

FACTS AND STATISTICS

SOCIAL

5. Population

Deceased:	Male: Female: Total: Comment:	3 0 3 Jesse Joshua WICKMAN DOB 15/09/2006 Date of Event: 11/11/2011 @ 21:24hrs Location: Minden Cross Roads, Minden Robert Gregory BROMAGE (08/10/60) Date of Event: 12/01/2011 @ 2220hrs Location: Karabin-Rosewood Rd Karrabin Selwyn SCHEFE of Murphy's Creek Date of Event: 12/01/2011 @ 2301hrs Location: 1599 Brightview Rd Tarampa **Nil further reported deaths (3.00am 17/01/11).**
Injured:	Male: Female: Total: Comment:	Nil specific data has been captured by Queensland Health or provided by the Ipswich DDCC There have been reports of injuries that have been treated in Lowood and Esk, unable to establish exact numbers Report of woman with broken arm after fall – location unknown at this stage
Missing:	**Male:** **Female:** **Unknown:** **Total:** **Comment:**	0 0 0 0 0 outstanding jobs. 37 jobs have been referred to the Ipswich District since the commencement of the Ipswich DDC 11/01/11. All investigations have been carried out by staff from Ipswich CIB. Nil outstanding SOMERSET Nil confirmed, believe some may have been reported to QPS.

	There are a lot of incidents where people are unable to contact friends or relatives however, does not necessarily mean they are missing due to poor communications within the Region

6. Evacuations

Evacuation Centres activated (include location and commencement date):

Evacuation centres – All commenced 11/01/11

DIVISION	LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED Sleeping/feeding
Lowood	Lowood High School	11/1/11	180	-
Lowood	Lowood Bowls Club	11/1/11	80	-
Lowood	Fernvale State School	11/1/11	20	-
Lowood	Future Centre Fernvale	11/1/11	0	-
Lowood	Coominya Hall	11/1/11	40	-
Lowood	Mount Tarampa school	11/1/11	0	-
Rosewood	Rosewood High School	11/1/11	80	-
Esk	Esk State School	11/1/11	71	-
Toogoolawah	RSL and Showgrounds	11/1/11	130	-
Boonah	Outlook Training Resource Centre, Boonah	11/1/11	100	-
Kilcoy	Memorial Hall	11/1/11	100	-
Marburg	?	11/1/11	0	
Goodna Div	Riverview Community Centre	11/1/11	50	60 / 300
Goodna Div	Redbank Evac Centre	11/1/11	60	
Ipswich Div	Boys Grammar	11/1/11	170	180 / 180
Ipswich Div	Girls Grammar	11/1/11	200	200 / 200
Ipswich Div	Showgrounds Salisbury Road, Ipswich	11/1/11	690	600 / 600
Ipswich Div	St Josephs Nth Ipswich	11/1/11	140	100 / 100
Goodna Div	Shiloh Goodna	11/1/11	70	120 / 200
Goodna Div	Christian outreach Redbank Plains Rd Goodna	11/1/11	60	
Ipswich Div	Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	170 / 170
Ipswich Div	Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	80 / 80
Ipswich Div	Ipswich Golf Club	11/1/11	200	
Karana Downs	Karalee State School	11/1/11	370	300 / 300
Raceview	Country Comfort Motel – frail aged couple			2 / 2
Ipswich	Metro Hotel – suspected chicken pox			3 / 3
			Total	1815 / 2035

IPSWICH

Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (42 Sleeping)

Numbers registered at Centres (include progressive total, and current registrees):

IPSWICH

numbers are reducing as power is returned to unaffected areas.

Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds.

Evacuation Centre's still in operation

⇒ Ipswich Show Grounds – 42 (sleeping)

We also have a welfare distribution centre at Camira Community Centre which will be closed by 21/1/11 and items transferred to Lifeline.

'Close out' strategies are being put in place with Centre Managers and Red Cross

	and discussions are continuing to determine the close down date. This was planned for the Friday, 21 January 2011, however this has been extended. The District Community Recovery Committee are investigating options for their implementation. Possibility of using Salvation Army Store at 12 Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.
Numbers staying in Centres (include progressive total and current number of persons previous night):	42 @ Ipswich Showgrounds, in excess of 2200 initially dealt with at height of flood across 24 separate centres, exact figures still be collated at LDMG level
Issues (include comments relating to public safety, support services and resources where applicable):	**IPSWICH** Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

7. Community Recovery Centres

Locations:	Recovery centres at Bremer TAFE and Wacol Park relocating to Goodna. Recovery Centres Esk and Fernvale. Updated figures for Ipswich City Council area as at 12.00pm 25 January 2011 Number of grants paid and value of grants paid (Emergent Assistance Grants) to date for Ipswich are: • Total number of Emergent Assistance Grants paid to date: 7,135 • Total value of Emergent Assistance Grants paid to date: $2,857,030 Applications lodged for Essential Household Contents Grants and Structural Assistance Grants: • Total number of Essential Household Contents Grants lodged to date: 1,385 • Total number of Structural Assistance Grants lodged to date: 506 Relocate and rehouse people who have been displaced, currently liaising with Somerset and Ipswich City Council's . 119 Staff out in the field working at recovery centres. Red Cross, Lifeline and Mental Health Team from Ipswich Hospital are great support and assisting. Community Recovery Centres are operating at the following locations: • Ipswich Showgrounds • Bremer Institute of TAFE • The Park Centre for Mental Health Wacol (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) Community Recovery Centre outposts located at the following locations: • Karalee State School • Immaculate Heart Catholic Primary School Leichhardt (relocating to Ipswich Showgrounds from Friday 21 January) • Riverview Neighbourhood House (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) • Rosewood Community Centre • Gailes Community Hall • Shiloh Christian Church (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) • Goodna War Memorial (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) The Community Recovery Centres are the official advertised centres and the outposts are smaller centres that will relocate services to the larger ones when the need

	decreases or when the facility needs their space/rooms back. **SOMERSET** **Community Recovery Centres are operating at the following locations:** • Fernvale Futures Complex **Community Recovery Centre outposts located at the following locations:** • Lowood Neighbourhood Hub • Esk – CWA with support from Stepping Stones. An outpost service will operate mobile services to surrounding areas such Toogoolawah. • Kilcoy, Villeneuve, Harlin, Moore are currently being serviced by the North Coast Region of the Department of Communities
Opening hours:	0900 – 1700 **SOMERSET** • Esk 9am to 4pm 7 Days. 2 DOC Staff, 1 Lifeline Staff • Fernvale 9am to 4pm 7 Days. 3 DOC Staff, 3 Lifeline Staff, 3 Centrelink, 2 Dept Housing • Lowood 9am to 4pm 7 Days. 5 DOC Staff, 2 Lifeline Staff, 5 Centrelink
Numbers Utilising Centre:	Feeding approx 800 people within the centres.
Issues	Welfare distribution centre at Camira Community Centre closing 21/01/11 transferring to Lifeline. Close down strategy for all Ipswich centres by 28/01/11 **SOMERSET** Total Personal Hardship Grant applications up until 2.30pm 20 Jan 2011: Somerset Region 702 / $300K plus. There is a 20 person DOCS staff housing team in Fernvale and Lowood as of 20 Jan 2011. **IPSWICH** Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions. Department of Communities have had as at 12.00pm 19 Jan 2011 • 7135 application for Hardship – Totalling approximately $2.857 million. • 1385 applications for Household grants • 506 application for Structural Assistance

8. Health

Public Health:	**Mobile Vaccination Clinics** - 4 mobile vaccination clinics deployed in SEQ. - 1 van stationed at Wulgara Street Goodna 0830 19/01/11
Mental Health:	Nil to report

INFRASTRUCTURE

9. Transport
(If roads, airstrips etc closed, include estimated time of opening)

Aviation:	Nil changes since previous reports Nil issues known, small private strips only
Rail:	opening line from Ebenezer to Fishermans Island. Line up and running on Tuesday afternoon and storm hit. Still issues as stations affected at Goodna and Ipswich. Qld Rail advise that the Rosewood to Brisbane line is now open
Road:	**IPSWICH 20/1/11** Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. State Roads Closed: - Cunningham Highway at The Gap closed both directions due to a major landslide Local Roads Closed: - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) Roads Closed due to Brisbane River Levels: - Mt Crosby Weir , approach road has been repaired (currently under going structural assessment) Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas. Also, Level 2 Bridge Assessments are being undertaken on the City's network.
Marine:	Mt Crosby Weir – structural issue of Weir – unsure of extent at this time (Brisbane City Council engineers conducting ongoing operations). Work has commenced to reinstate the scour. Waiting on structural assessment of the weir. (SEQ Water organising). **IPSWICH** Moggill Ferry out of service for unknown timeframes at this time.
Other:	**IPSWICH** **Infrastructure Recovery:** All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note: • All Mains supply has been reinstated and only the inundated properties are without power until an electrical certification is forwarded onto Energex, then power will be reinstated.. Energex have pulled fuses on inundated houses and waiting on electrical certification to reconnect. The main effort now is in reconnection once Form 2's are completed by electrician. • Rosewood to Brisbane Rail line has been reopened. • Moggill Ferry is not operating (issue is that the winch is till under water). • Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 11 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage. • Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.

10. Structures

Including:

- *No. of residences with water over the floorboard (affected living areas)*
- *No. of residences with water under the house (not affecting living areas)*
- *No. of properties with water entering yards but not affecting residences*
- *No. of public buildings with water affecting ability to function*

- *No. of businesses with water affecting ability to function*

		Accumulative total (where applicable):
Residences (includes individual apartments and flats):	**IPSWICH** Estimate: **766** Urban streets were impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Buildings – 7,221 Misc – 114 Pools – 501 Sheds - 4504 QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in liveable areas. • QFRS identified 700-1000 houses plus streets. • Karalee area NAVY doing doorknocking checking on people and reporting back to LDMG. Business Impact assessment under way. • Sewerage treatment plant back on line. • Water is fine – Exception cloudy coloured water at Karalee taps. (Will be rectified Friday 21). Public Housing issues – keeping Showgrounds open as main evacuation centre **SOMERSET** Residences - Number houses as reported from DCS (426 total) Businesses - 22 (Esk 16, Lowood 6)	
Properties (not including properties on which residences or businesses are affected):	Moderate flooding through Esk council office ,Esk Library and Arts Centre. **SOMERSET** • Moderate flooding through Esk council office with damage to carpets, furniture and other items • Major damage to the Esk Library and Arts Centre with many books destroyed. • Fernvale Indoor Sports Centre significantly damaged. Structurally OK. • Council Works Depot flooded, Damage to equipment and furniture. • Visitor Information Centre, damaged carpets , furniture and electrical. • Damage to Lowood Enterprise Centre	
Roads, streets, highways etc:	Reference Section 9. Infrastructure	
Businesses:	**IPSWICH 25/1/11** Ipswich –Approximately 1000 businesses affected. EHO's have undertaken assessments of 655 businesses to date. Somerset – exact numbers to be sourced. QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going. **SOMERSET 21/1/11** 18 Business affected	

	Somerset Stores/Shops: • Most shops/outlets are receiving irregular delivery of some supplies from distributors. • Local shopping outlets open (but with limited fresh foods) include: – IGA Lowood (receiving delivery of groceries Mon) – Woolworths Fernvale – IGA Toogoolawah (receiving delivery of groceries Mon) – IGA Kilcoy, Bakeries and service stations are self stocking. Bakeries have bread for the weekend, with more flour expected on Monday. 2 loaves per family maximum.	
Council:	Specific data yet to be provided by LDMGs.	
Government Offices:	To be fully assessed when flood waters recede.	
Schools:	School resumed on the 24/01/11. • **Education Qld** • Ipswich State High, commence Monday/. • Brassall State School – running for Monday and Year 7's over to Ipswich High School. • Bundamba State School – limited capacity. • East Ipswich – Commence Monday. • Lowood School – Commence Monday. **SOMERSET** Reports that Patrick Estate School may have received some damage.	
Hospitals:	Ipswich Hospital operational. Esk Hospital operational.	
Dams:	Wivenhoe and Somerset dams – no issues.	

11. Services

Communications *(If communications out, include estimated time of reconnection)*	
Telephone Network:	**Ipswich** Initial impact was mostly power related however all key sites were supported by generators. Key equipment within the Ipswich Exchange was not impacted by flood water. Only major damage to Telstra Infrastructure was a roadside cabinet (RIM) at Bundamba which was inundated with water (these services were fully restored on 21st Jan). **Ipswich & surrounding district –** current fault volume is 332. Customer faults are currently booking at Day 7 and the overall fault volume is currently 10 times above normal. Currently no major impact to any key Telstra infrastructure. The current fault volume (332) is mostly individual customer reported faults, however 3 distribution cables have been identified as damaged/faulty with a potential impact to 350 services. These are currently in hand with Telstra Technicians. Telstra currently has an additional 11 Telstra Field Technicians working in the Ipswich area taking the total resource number to 20. Where possible these 20 will be supported by additional resources from Brisbane. **Somerset** • Voices services from the Jimna exchange are down (suspected transmission

	fault, Telstra unable to reach due to 'Red Zone no-go status') • Moore, Mt Stanley and Minden which are running on generators. • All other exchanges operational **SOMERSET** Landline services: • Voice services to Lowood & Minden were restored approx 1pm 16/01/11 (Lowood's primary fibre optic transmission link is broken approx 1.5k south, and the backup link via the Minden exchange failed when the exchange battery backup was depleted as mains power still is not available. Telstra technicians installed backup generator to restore services to both Minden & Lowood) • Voices services from the Jimna exchange are down (suspected transmission fault, however Telstra not able to reach due to 'Red Zone no-go status') • All other exchanges are operational, however some localised faults do exist for outlying areas with damaged infrastructure • Mains power has been restored to all exchanges except for Moore, Mt Stanley and Minden are running on generators.
Mobile Telephone Network:	• Telstra reports mobile base stations experiencing issues (that may affect surrounding areas): ➢ Lowood (no service due to power outage) ➢ Ironbark (GSM mobile coverage only) • Optus no outages, local issues possible. • Vodafone no significant outages local issues possible. Mobile towers Fernvale now restored. Targeting High Business Zones for urgent repairs. Biggest fault areas Ipswich 108, and Goodna 75 **SOMERSET** All towers back online and all services restored
Radio (2-way):	QPS radio working . **SOMERSET** Nil issues known
Broadcast Radio / TV:	Nil issues. **SOMERSET** Nil issues known
Power *(If power out, include estimated time of reconnection)*	
Mains power:	Ipswich area now back to house by house inspections/reconnections with electricians. Using helicopters for arranging poles to be flown to hard access areas. Power restored to all areas possible a this time. At 1.00pm on 24/01/2011 Energex advise customers currently affected by power outages: Ipswich & Surroundings Areas:- 0 **Ipswich** Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 140 crews currently in the Western region. Now doing fatigue management with crews. Somerset Electrical Infrastructure: Powerlink is onsite repairing three damaged 275,000 volt transmission towers (2 at

Moore, 1 at Mount England-Splityard Creek).

The transmission lines supply suburbs of greater Brisbane (from Tarong Power Stations to the South Pine distributor) and are still operational.

Approximately 20 ENERGEX crews and contractors are continuing work in the area on repairs to the network where access to sites is available.

The main 11kV line from Wivenhoe substation to Fernvale has been damaged at the river and is currently in accessible for repair work. Staff are investigating options to re-build the overhead mains across the river today, however work may not be completed until later this week.

However supply cannot be reconnected to premises which have suffered water damage until the customer's electrical contractor has tested and cleared the premise for re-connection.

Gas Pipeline:

- APA Group has performed aerial inspections of the Roma Brisbane pipeline and have not found any issues within the Somerset Region. However, as parts of the pipeline are submerged around Wivenhoe/Brisbane River, there may be undiscovered damage or issues.

IPSWICH
Customers currently affected in Ipswich & Surroundings Areas is approximately 24.

SOMERSET
Mains Power Outages (Source: Energex 20/01/11 at 1242)

Update for Brisbane Valley Region:

Approximately 35 ENERGEX crews and contractors are continuing work in the area on repairs to the network where access to sites is available.

Fernvale
The main 11kV line from Wivenhoe substation to Fernvale has now been restored at the river near Fernvale Bridge.
Some sections of 11kV network around England Creek are damaged. 8 transformers are isolated near the gravel plant (primarily feeding irrigation loads) and we are looking at building a new line to restore power over the next 2 to 3 days. ENERGEX are looking into providing impacted customers with small generators.

ENERGEX now have access to Wivenhoe Pocket and restoration works have commenced. ENERGEX expect to have supply gradually restored to customers over the next 2 to 3 days.

Moore, Linville, Harlin
Supply has been restored to the majority of ENERGEX's high voltage network in this area. ENERGEX crews are progressively restoring the remaining sections of network as access becomes available. Having difficulty in gaining access past Crossing no1(near Gerry Ryan's property) on Linville Mt Stanley Road. ENERGEX are aware of the faults having assessed by helicopter and is looking at access via other means. Aiming to have supply restored over the next 2 to 3 days.

Kipper Creek
Majority of network is restored, with one transformer to be reinstated.
O'Reillys Weir
A number of transformers are isolated, consisting mainly of irrigation loads. Access is by foot and expect restoration to be completed over the next 2 days to restore power to houses. Further works are required to reinstate supply to a number of irrigation

	pumps. **Borallon** A number of customers are isolated and there is significant damage to ENERGEX assets. ENERGEX has made contact with many of the residents and dispatched generators by helicopter to those impacted. Repair works have been scoped and ENERGEX are looking at restoration of supply to customers over the next 2 days. Washouts along the pipeline within the Somerset Regional Council have been reported and Transmission Operations Technicians are attending to repairs. (received 18 January 2011 at 10:57am)
Auxiliary power:	• FERNVALE - Approximately 96 % restored 19/01/11 12.26pm by: ➢ 2 x 1000KVA 11kV generators (Aspera Crt & Fernvale Town) ➢ 2 x 500KVA LV generators (Woolworths). Significant progress on network repairs to enable further supply to be restored to customers is not expected until sometime on Monday.
Public Transport	
	See section 11 for details of Rail Services.
Water	
	• **Water supply** Functioning as normal. Some main breaks still to be addressed but they do not impact on supply. • Bottled water collection points: ➢ Fernvale Futures Complex and Information Centre ➢ Minden State School, Somerset Water Infrastructure: • The 2 submersible pumps used at Lowood Water Treatment Plant were destroyed on 11/01/11, with the backup above-ground pump currently under water and not operational • Temporary bulk-water pump was brought online at 5am 15/01/11 to supply Lowood WTP, with the plant supplying treated water to the western side from approx 12:00 15/01/11 • QUU advised mains supply water to Fernvale, Lowood & Minden were being scoured (as at 4:20pm 15/01/11) and would have clean water by the evening of 15/01/11. • A 50m section of the water distribution network between Lowood and Tarampa has been damaged, with no ETR, however as this is a loop main all residences at Tarampa should now have water. **SOMERSET** Email Received 8.40am The 200mm main feeding the Fernvale reservoir was broken during a landslip after recent storm activity. The Fernvale reservoir is currently unable to be filled. As at 6:30am the level in Fernvale reservoir was 5% (100kL, ~ 1 days supply) 6 customers are without supply due to isolation of the main during repairs. The remaining customers in Fernvale are receiving supply. Repairs to the main allowing Fernvale reservoir to be re-filled were completed

at 1000 hrs 21/1/11

UPDATE 5.30pm Thursday 20/1/11

Somerset Regional Council area
Water:

- Qld Health has requested extra monitoring of all 26 towns on Lowood scheme. Sampling continues with increased chlorine application.
- Lowood Water Treatment Plant in operation. Reservoir levels are: Lowood 1 - 84%, Lowood 2 – 28%, Lowood 3 – 93%, Fernvale 1- 26%, Western 80%.
- Advice was received from Seqwater at 2.40pm – river level at Lowood was expected to rise and Seqwater wanted to stop the temporary pump from 4pm to 10pm.
- Lowood temporary pump running – monitoring river level – Seqwater will notify EMT if required to move.
- Extra crews have been arranged on standby as a contingency plan for the water supply to the affected Lockyer Valley and Somerset areas.
- Water samples have been collected for testing.
- Toogoolawah depot accessible but severely damaged.
- Bottled supplies still available.

Wastewater:

- Esk/Lowood sewerage pumping station 90% operational - diesel pumps being used.
- Fernvale WRP access still flooded, plant is ok. Staff flown in by helicopter has investigated. WRP is capable of stage 1 sewerage treatment. Balance of system to be checked in time.
- Request submitted to Somerset LDCC to repair access road to Fernvale WRP.
- Esk WRP expected to be operational by Saturday, 22 January. Inlet pump station being repaired – portable diesel pump being used.
- One sewerage pumping station remains down.
- Esk WRP some treatment achieved and expected to be operational by 22/1/11.
- Tankers being arranged for sewerage pumping stations. Electricals being dried out and failed equipment being replaced.
- Road repair crew to Banks Creek Rd Fernvale on 21/1/11 – notifying QUU when completed.

SOMERSET WASTEWATER ASSETS STATUS
Sitrep
UPDATE 5.30pm Thursday 20/1/11

WRP Status

WATER RECLAMATION PLANT	CURRENT STATUS
Esk WRP	Operational using Diesel Pumps
Fernvale WRP	Operational
Lowood WRP	Operational using Diesel Pumps
Kilcoy WRP	Operational
Toogoolawah WRP	Operational

Pump Station Status

PUMP STATION	LOCATION	OPERATIONAL	POWER	PREVIOUSLY FLOODED	RECOVERY STATUS
PROSPECT ST 1	Lowood				
PROSPECT ST 2	Lowood				
BRAY ST	Lowood				
DANIEL ST	Lowood				
JAMES ST	Lowood				
MACADAMIA	Lowood				
MAIN ST	Lowood				
FERNVALE 1	Fernvale			Y	Being Cleaned
Schmidt Rd	Fernvale			Y	Being Cleaned
LINDEMANS RD	Lowood			Y	Being Cleaned
FOREST HILL FERNVALE RD	Lowood			Y	Being Cleaned
TOOGOOLAWAH 1	Toogoolawah				
TOOGOOLAWAH 2	Toogoolawah				
TOOGOOLAWAH 3	Toogoolawah				
TOOGOOLAWAH 4	Toogoolawah				
TOOGOOLAWAH 5	Toogoolawah				
KILCOY 1	Kilcoy			Y	Being Cleaned
KILCOY 2	Kilcoy				
KILCOY 3	Kilcoy				
KILCOY 4	Kilcoy				
KILCOY 5	Kilcoy				
KILCOY 6	Kilcoy				
ESK 1	Esk				
FERNVALE 2	Fernvale			Y	Fully Recovered
FERNVALE 2	Fernvale				

Sewerage

Ipswich

- QUU monitoring their assets- no issues at the moment with water supply- visual inspections of assets once water recedes.
- 11 Pump stations not operating at this point in time – use trucks to move waste to appropriate facilities.
- Bundamba and Goodna Treatment plant are only operating at stage 1 treatment. May take up to 3 months to be fully operational at level 3.

Somerset

- Toogoolawah STP and network
  Operational

  Esk STP and PS
  Diesel pump used to pump from wet well to head of plant. Some treatment achieved.
  Normal operation should be achieved by 21/01/11.
  Site clean up needs to be assessed for outflow of raw sewage into

	creek. Lowood STP and PS's Diesel pump used to pump from wet well to head of plant. Some treatment achieved. Normal operation should be achieved by 21/01/11. NO7 Pump Station Lowood SP467 Lindemans Road not operational (overflows into gravity sewer system). Fernvale STP No access. QUU officers were flown into site on 17/01/11 to assess. • NO1 Pump station SP397 Banks Creek Road is not operational. Site clean up needs to be assessed for outflow of raw sewage into creek. NO3 Pump station SP399 Schmidt Road is still to be checked by QUU officers. Site clean up needs to be assessed for outflow of raw sewage into drainage. • Potential public health issue being investigated by EHO's regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants, and on-site residential sewerage facilities (e.g. septic tanks) overflowing or non-operational due to power outages. <u>Wastewater Infrastructure:</u> • Verbal advise by QUU of the public health issue regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants. Advice received that <u>no public health threat</u> as releases are in areas of non habitation and final release is in Brisbane River which dilutes the effects of the sewage. • Council preparing media release regarding servicing/checking on-site residential sewerage facilities. All sewerage spills are being reported through QUU and where relevant are being forwarded on to DERM
Rubbish	• 19/01/11 meeting with Wanless regarding Esk and surrounds pick up. (Ipswich waste services contracted for the Esk and surrounds (excluding Linville, Colinton and Moore). • Wanless to resume normal servicing by 24/01/11 (excluding flooded areas). • Fernvale, Lowood and surrounds kerbside cleanup (Zanos contractors). Ipswich Waste Services are back to BAU services to the community.

ECONOMIC

12. INDUSTRY

Sector:	**IPSWICH** **Economic Recovery:** Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include;

	• Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development. • Undertaking impact assessment of both Urban and Rural businesses. • TRADE SHORTAGES - Working with B105 in Brisbane & Triple M in Sydney, as they have volunteer trades people in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here. • Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment. • Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts • Temporary Business centres are bing established in the CBD and others will follow as facilities are identified citywide.
Finance:	Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available. • Undertaking impact assessment of both Urban and Rural businesses.

ENVIRONMENT

15. Environmental Impact

IPSWICH

Environmental Recovery

In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 12500 tonnes of debris transferred to landfill sites, from the following areas of operation; ADF will be winding down there involvement by the end of this week.
The Environmental recovery room will be closed as of COB today and all calls will be redirected through the Call Centre. All requests regarding the cleanup and restoration of disturbed footpaths will be forwarded onto HPR to initiate appropriate action.

⇒ Goodna 90% completed
⇒ Karalee 95% (ADF will be moving from this area to North Booval)
⇒ North Booval 90%
⇒ East Ipswich / Basin Pocket 90%
⇒ One Mile / Brassall 95%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 95%

The 1st pass of debris removal is complete , except for North Booval and the 2nd pass is planned to be completed by 28 January 2011.. Some areas have had 3 passes.

To date a total of 20,000 tonnes have been taken to landfill. Bulk Asbestos pick ups have been done from two sites. The reinstatement of footpaths that have been disturbed by the cleanup effort will be progressively reinstated, ie levelled & topdressed where necessary.

Council is also undertaking the pumping out of the septic tanks in various locations, commencing in Karalee and Bundamba, Thagoona. To date 17,000 litres have been transferred..

Vector Control commenced on Sunday 23/01/11 and targeting 30key sites across Ipswich and this is planned to be completed by 28/01/11.

Assessment of impacts on river banks and drainage assets are being undertaken over the next week.

Assessment of impacts to our Parks and recreational areas are also being undertaken.

- Cases of illegal dumping are starting to emerge and enforcement activities have commenced.

- Uncleared unoccupied houses have been identified, which may cause health issues. Steps are being taken to address this issue. (To date 12 properties have been identified)

- Environmental issue identified at Turley Street in relation to petroleum products. This issue is being addressed.

LOCAL ARRANGEMENTS

16. Updates to District/Local Contacts

Changes to Contacts:	**SOMERSET** Local Disaster Coordinator is Tony Jacobs [redacted] **Ipswich** Local Disaster Coordinator is Tony Trace [redacted]

Queensland Government

Ipswich District Disaster Management Group

Ipswich District Disaster Management Group

Comprising of:

Ipswich City Council
Somerset Regional Council

Report on debrief outcomes for flooding events: December 2010 and January 2011

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1. Executive Summary:

District Disaster Management Groups are established to provide a whole-of-government planning and coordination capability to support local governments in disaster management.

The District Disaster Management Group is responsible to the State Disaster Management Group for all aspects of the State government's capabilities in disaster management for their district.

In performing their role, the DDMG ensures that disaster management and disaster operations in the district are consistent with the SDMG's Disaster Management Strategic Policy Framework ensuring:

- a comprehensive, all hazards, all agencies approach by achieving the right balance of prevention, preparedness, response and recovery;
- supporting the mainstreaming of disaster preparedness and mitigation into relevant areas of activity of government, non-government, small business and corporations;
- aligning disaster risk reduction, disaster mitigation, disaster resilience and climate change adaptation policy and actions with international and national reforms;
- promoting a transparent, systematic and consistent approach to disaster risk assessment and management, based on the National Emergency Risk Assessment Guidelines and the Australian/ New Zealand Standard AS/NZS ISO 31000:2009 Risk management – Principles and guidelines;
- recognising the commitment of stakeholders and the need for collaboration across all levels of government, community, industry, commerce, government owned corporations, private and volunteer organisations, and local communities in all aspects of disaster management;
- emphasising building and maintaining sincere relationships, trust, teamwork, consultative decision-making and shared responsibilities among stakeholders; and
- promoting community resilience and economic sustainability through disaster risk reduction. Operational activities of the DDMG focus on supporting local government disaster response and recovery operations.

The DDMG performs three key coordination roles during operations: forward planning; request management; and information management.

Throughout December 2010 and into the early part of January 2011 heavy rain had fallen across the Ipswich Disaster District resulting in minor to moderate flooding to most of the District. Both the Ipswich City and Somerset Regional Council Disaster Management Groups were on alert.

The Disaster District Coordination Centre was activated on 10 January 2011 to coordinate the District Response in support of the Somerset Regional Council which was the main focus at that time due to moderate flooding levels in the Toogoolawah area.

The impact on District was compounded by serious issues resulting from the sudden and unforseen rain events in Toowoomba, Grantham and Esk that same afternoon.

Significant rainfall later that day in the Somerset Regional Council area resulted in flooding and isolation of the townships of Kilcoy, Moore, Linville, Toogoolawah, Esk,

Coominya, Lowood and Fernvale. A number of properties in the Kilcoy and Moore areas were also isolated as a result of bridges being washed away during the flooding.

The major feeder roads including the Brisbane Valley and D'Aguilar Highways were cut for a number of days causing significant resupply issues.

Power and water supplies to all these areas were also cut with major disruptions to power caused by major poles and lines being washed away in the flooding.

Evacuation centres were set up in Fernvale, Esk, Lowood, Toogoolawah, Coominya and Kilcoy. Details as supplied in sitreps indicated a total 472 homes and 22 businesses were impacted by flooding in the Somerset Regional Council area.

The Ipswich area was impacted by flooding of the Bremer River and by the level of water in the Brisbane River in the following days due to the significant rises in water levels in the Bremer and Brisbane Rivers.

As indicated in sitreps a total of 7221 premises were impacted by the flooding with over 1000 homes inundated and 766 roads and streets were cut. An estimated 1000 businesses and 4 schools were also impacted.

Twelve evacuation centres were opened by both council and community groups with the main evacuation / recovery centre located at the Ipswich Show Grounds.

On 1 March 2011 a formal debrief of the Ipswich DDCC staff was conducted followed by a formal debrief of the disaster event on 2 March 2011 for the Ipswich DDMG conducted by an external moderator.

The DDMG has a responsibility to critically analyse their disaster operations. Post-disaster assessment provides the DDMG with the opportunity to reflect on performance and ensure the continuous improvement of district disaster management arrangements.

As a result of discussions during the debrief (see page 18) a number of recommendations were made.

2. Outline of the DDMG boundaries:

The area administered by Ipswich Disaster District covers an area of approximately Approx. 5705 km^2, consisting of the local government areas of Somerset Regional and Ipswich City Councils. There are some anomalies between the Ipswich Police District and the Disaster District.
The northern areas of the Somerset Regional Council include a significant portion of the North Coast Police Region including the Kilcoy and Moore Police Divisions.
The Southern Divisions of the Ipswich Police District including Harrisville, Kalbar and Boonah are within the Scenic Rim Regional Council which is included in the Logan District Disaster area.
The suburb of Karana Downs located in the Police division of Karana Downs in the Ipswich Police District is within the Brisbane City Council area and therefore in the Brisbane Disaster District.
There are currently agreed arrangements between the DDC's of these areas to coordinate responses to events in these areas.

3. Structure of the Ipswich DDMG:

(including name of chairperson, deputy chairperson, executive officer, other members and name/s of Local Disaster Management Group and its chairperson.)

Superintendent Garth Pitman is the Ipswich District Disaster Coordinator (DDC) and Chairperson to the DDMG by virtue of his appointment as District Officer, Ipswich.

Inspector David Preston Ipswich District is the Deputy Chairperson of the Ipswich DDMG.

The Executive Officer to the DDMG was Senior Sergeant Robbie Goodger who was formally appointed on 8 November 2010.

The Chairpersons for the local disaster management groups for each respective local government areas are:

Ipswich City Council	Councillor Trevor Nardi
Somerset Regional Council	Mayor Graham Lehmann

Other DDMG members and advisors are listed in the below table:

	Agency
Members	*District Officer, Queensland Police Service DDC / Chairperson*
	Queensland Police Service - Deputy DDC
	Queensland Police Service Executive Officer
	Queensland Police Service, Operations Officer
	Queensland Ambulance Service (Area Director)
	Emergency Management Queensland (Regional Director)
	Ipswich City Council
	Somerset Regional Council

Advisors	*Main Roads Department*
	Department of Public Works
	QFRS Urban, Superintendent
	Department of Communities
	Queensland Health
	QFRS Rural, Regional Manager
	Queensland Transport
	Queensland Public Health
	DEEDI
	DETA Ipswich Regional Facilities Manager.
	DERM
	Queensland Building Services Authority
	Queensland Health (Ipswich Hospital)
	SEQ Water Dam Safety and Source Operations Manager
	Department of State Development
	QR National
	Telstra
	Energex
	Australian Defence Force (RAAF Amberley)
	Other representatives of organisations / agencies as required

Ipswich District Disaster Management Plan:

The Ipswich District has a Disaster Management Plan in place which was under full review by the Operations Officer to the Disaster Management Group during 2010 due to it not being fully amended to meet the changes to the District as a result of the Local Government amalgamations.

The review had been placed on hold in July 2010 to enable the changes to the Disaster Management Act to be fully implemented before the review of the plan was recommenced.

On 8 November 2010 a Queensland Police Service (QPS) non commissioned officer (NCO) was appointed by the Commissioner of Police to the role of Executive Officer to the Ipswich District Disaster Management Group (DDMG) in accordance with section 27 of the *Disaster Management Act 2003* (DMA). This appointment replaced the Emergency Management Queensland (EMQ) South East Region Regional Director as Executive Officer.

On 30 November 2010 the appointed Executive Officer outlined to the Disaster Management Group that the review of the existing disaster management plan would be recommenced as the changes to the Disaster Management Act had been completed and those arrangement were now in place. The DDMG supported the recommencement of the review which was to commence in January 2011. However, due to the flooding events in December 2010 and January 2011 this action was delayed and the existing plan was utilised during the disaster event.

It is expected the review of the existing DDMP and transferring information across into the new DDMP template will recommence shortly. Feedback from the flood event DDMG debrief will provided valuable information for inclusion in the plan.

4. Summary of Disaster Events:

Sunday 9 Jan 2011
Advice was received from SEQWATER that releases from Wivenhoe were to be reduced as increased flows were being experienced in Lockyer Creek. However as the Lockyer peaked flows would be increased and it would be necessary to increase releases over Monday to a level that would cut the Brisbane Valley Highway sometime Monday afternoon.

Monday 10 January
At a phone link up with SDMG during the afternoon all parties received update from BOM advising that 3 days of general rainfall of 50-100mm expected across the SE. At 1400hrs the Disaster District Coordinator was notified of the Somerset Regional Council main offices and Local Disaster Coordination Centre had been inundated by water due to a severe



rain event that also impacted severely on the Toowoomba and Lockyer Valley areas causing widespread damage and loss of life.

Due to damage to their coordination centre the Somerset LDMG were attempting to relocate their operations to their backup coordination centre site at Fernvale.

The large volume of calls to all emergency services in a short space of time initially from the events in Toowoomba, Grantham and Esk and later in the Lowood and Ipswich areas caused significant issues for all emergency services. The Ipswich District Police Communications Centre alone received 89 '000' calls in the hour 1400 to 1500 hrs on the 10 of January and 590 '000' calls for the 24 hrs on 11 January 2011.

Tuesday 11 January
Localised flooding overnight in the Somerset Regional Council area had resulted in the establishment of evacuation centres at Toogoolawah, Lowood, Esk, Mt Tarampa, Kilcoy, Coominya and Prenzlau due to being cut off by road in all directions.

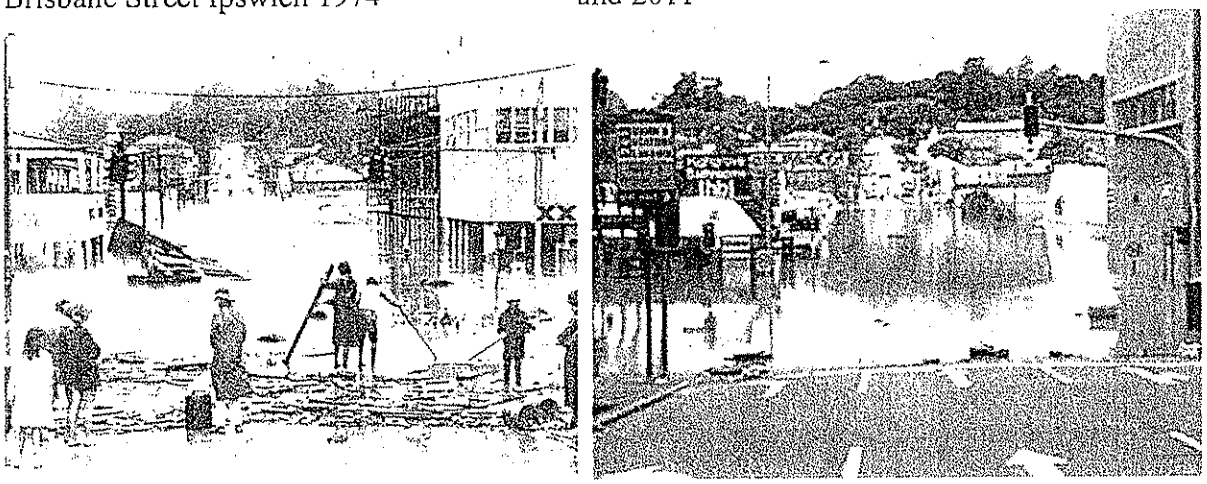
Local flood water receded early in the afternoon and allowed access to Fernvale Futures. Flooding had damaged water mains in Fernvale and water had been turned off by QUU at the Lowood reservoir. Landline phones stopped working around midday. The loss of landlines also meant there was no landline internet. Poor mobile coverage meant no wireless internet.

A decision was made to use Fernvale Futures as the evacuation centre as it was central, visible and had drinking water and functioning toilets.

At 0830hrs the Ipswich City Council had its first LDMG to commence planning and preparation for the expected flood event as the result of the heavy rain in the catchment areas of bother the Bremer and Brisbane Rivers.

Wednesday 12 January
At 0930hrs the DDMG met to discuss operations and coordinate the response and recovery arrangements for the event. The Recovery Committee had been activated but were experiencing significant issues due to the Department of Communities offices in Wharf Street Ipswich being in the projected flood zone and needing to be evacuated.

Brisbane Street Ipswich 1974 and 2011



QRFS personnel attended the evacuation centre for the Somerset Regional Council and were tasked to check for stranded persons and to assist with any evacuations.
Evacuation Centres were operating at Lowood High School and Fernvale Primary School, which had opened overnight as people could not get to the Futures Centre.
Flooding in Black Snake Creek was receding, which allowed travel to the Warrego and to Lowood.
Brisbane Valley Highway at Fernvale, Warrego Highway and Cunningham Highway still remained closed. The road over Mt Crosby Weir and Colleges Crossing are also cut. Numerous other roads are now cut due to the Bremer River water level. The Warrego Highway was closed due to the Bremer River over the highway at Dinmore. The Ipswich Motorway was also closed due to flooding of Brisbane River and evacuation of all construction workers had been completed.

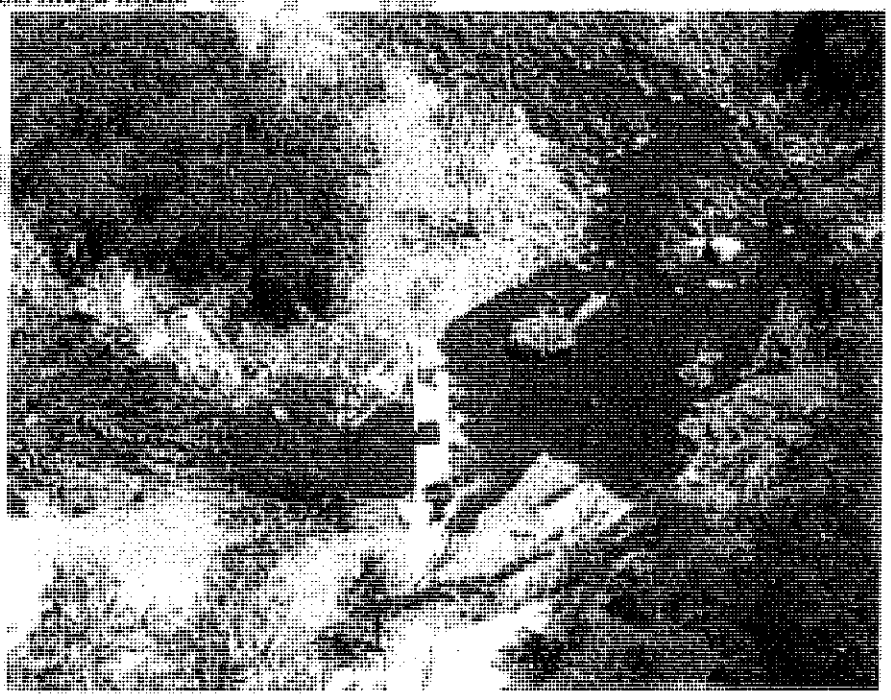
Thursday 13 January
Access to Esk was possible by travelling south to the Warrego Highway then to Gatton and across the Gatton-Esk Road. No landline phones and mobile service was limited.
Decision made to shift LDCC to Esk as communication issues made effective operation impossible.
Fernvale Futures was used as a local co-ordination centre due to the amount of activity in the south of the region.
Flood Debris cleanup had commenced. Numerous arterial roads were still closed.

Damage to the water intake at Lowood had placed the water supply to Fernvale, Lowood, Laidley and Gatton at risk. Bottled water was being supplied by QUU.

Ipswich City Council was monitoring increasing floods water in the Bremer River.
Queensland Urban Utilities were closely monitoring their assets, and were ready to advise Energex if power needed to be cut.
Ipswich Hospital was currently working with skeleton staff.
Ipswich City Council had received 4,000 calls in regard to do 'we need to evacuate and where do we go'.

Friday 14 January
Energex had connected a generator to supply the CBD only of Fernvale.
Water was being tankered to the reservoirs supplying Fernvale/Lowood. Boil water notices had been issued.
Fernvale/Lowood landline phones were restored at about 2.00pm. All other areas were still out.
Some Community Recovery Personnel began arriving to areas with access. Starting with Toogoolawah/Esk.
The releases from Wivenhoe Dam were at about 3,500 m3/s and were being managed to achieve a target flow of around 3,500 m3/s at Moggill. This release was then maintained to drain the flood storage completed by Wednesday.

The combined flood event volume in Somerset and Wivenhoe Dams was estimated to be in excess of 2.6 million mega litres.



The Warrego Highway had been opened through Minden - day and Night at a reduced speed.
The D'Aguilar Highway to/from Kilcoy was opened to vehicles under 4 tonne.
TMR was assessing numerous bridges in Kilcoy (Somerset RC area) due to expected under pavement damage.
Somerset LDMG had closed 4 evacuation centres since commencement of the flooding event.

In the Ipswich City Council area the evacuation centres were being monitored for resupply. Ipswich LDMG had by this time closed 6 Evacuation centres since commencement of operations.

Rapid assessments were being undertaken by QFRS, and SES door knocks were also being undertaken in the impacted areas.
Ipswich DDC advised by SIB of Governor General visitation itinerary for 16/01/11
Ipswich Motorway opened from Cunningham Hwy to Logan Motorway at a reduced speed.

Saturday 15 January
Ipswich City Council:
On-going rapid damage assessments were being completed. Various major roads were in need of repairs. Ipswich Motorway – Ipswich to Goodna had been reopened.

Somerset Council. Recovery / Clean up attracted numerous reporters to the area.
Kilcoy – Two bridges (Cedarvale and Beaconsfield) were damaged and impassable and 5,000 customers were without power.
QFRS – Rapid Response Teams were undertaking Rapid Damage Assessments.

Bremer River at Ipswich was currently at 8.30 meters and steady (16.58 below bridge) and classed as MINOR.
Brisbane River at Mt Crosby was currently at 16.61 meters and rising (4.26meters above bridge) and classed as MODERATE.
All other rivers/creeks were listed as MINOR or BELOW MINOR.

Sunday 16 January
Ipswich City Council:
As a result of the rapid damage assessments, Ipswich announced the following statistics regarding the damage to businesses in the respective CBD's:
Ipswich CBD – 116
Goodna CBD – 155
Additional damage assessments in Goodna had produced the following statistics:
262 premises (business and residential) in Brisbane Tce Goodna and 68 premises (business and residential) in Woogaroo St Goodna were flood affected.
Somerset Council:
Houses SES had commenced cleaning -

- Lowood have 29 to clean, completed 6
- Esk have 35 to clean, completed 20
- Fernvale have 125 to clean, completed 50

Monday 17 January
Over the following days both councils moved into recovery operations. The impact on the two council areas consisted of:

Somerset Regional Council area:

The major feeder roads including the Brisbane Valley and D'Aguilar Highways were cut for a number of days causing significant resupply issues.

Power and water supplies to all these areas were also cut with major disruptions to power caused by major poles and lines being washed away in the flooding.

Evacuation centres were set up in Fernvale, Esk, Lowood, Toogoolawah, Coominya and Kilcoy.

Details as supplied in sitreps indications a total 472 homes and 22 businesses were impacted by flooding in the Somerset Regional Council area.

Ipswich City Council area:

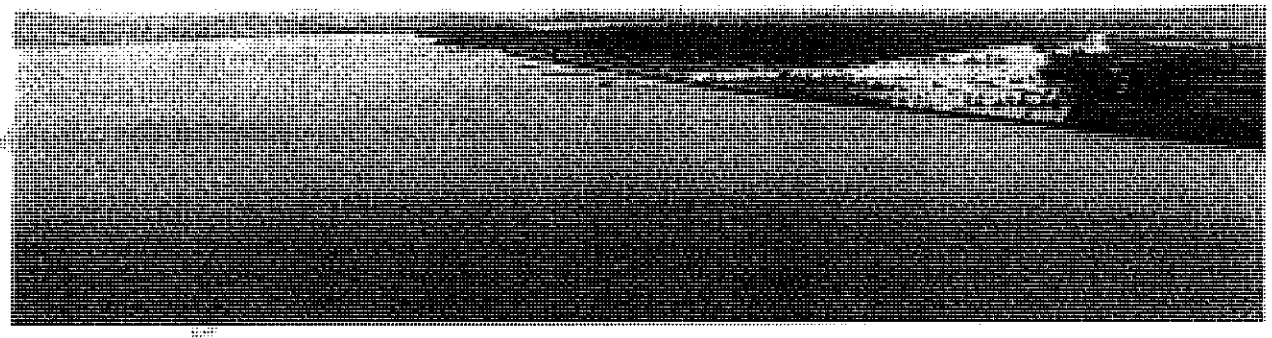
The Ipswich area was impacted by flooding of the Bremer River and impacted by the level of water in the Brisbane River. All major highways were cut during this event.

As indicated in sitreps a total of 7221 premises were impacted by the flooding with over 1000 homes inundated and 766 roads and streets impacted. An estimated 1000 businesses and 4 schools were also impacted.

Twelve evacuation centres were opened by both council and community groups with the main evacuation / recovery centre located at the Ipswich Show Grounds.

The final response sitrep was forwarded on 20 January 2011. Cleanup and recovery had commenced in all areas.

One of the major issues identified during the event was the large number of dams either within the Ipswich Disaster District (Wivenhoe, Somerset, Atkinson's and Slityard Creek) or in neighbouring Districts (Lake Manchester, Maroon, Moogerah, Bill Gunn, Clarendon, Perseverance and Cressbrook) that have a significant impact on the creeks and rivers in the Ipswich and Somerset council areas depending on their current water levels.



Low water levels assist in keeping water courses functional but significant releases can have a major impact on local areas such at Colleges Crossing and access to areas in the Fernvale and Lowood areas.



5. **Date / time of disaster declaration:**

Date of Activation:-10 January 2011.

6. **Date / time of disaster declaration:**

A state level disaster situation for the Ipswich Disaster District was declared by the Premier and Minister for Police, Corrective Services and Emergency Service at1000hrs on 11 January 2011.

7. **Date / time of ending of disaster situation:**

Ipswich DDMG and DDCC stood down as at Sitrep to SDCC 1200hrs 21 January 2011.

8. **Brief overview of work conducted during disaster:**

The District Disaster Coordination Centre was operating and supporting the local councils with information from police and other sources. Significant communication problems occurred especially in the Somerset council area. Processed Requests For Assistance from both councils including water and food drops to isolated communities of Somerset and bedding and water and food to support evacuation centres. Completing RFA's for forwarding to SDCC for supply to these areas. Coordinating of supplies as they arrived.

Also a large number of requests for information from the SDCC on the impact of the event. Completed Sitreps and updates on the event as it unfolded.

Other work included (but was not limited to):

- preparation of district level disaster declaration paperwork;
- briefing preparation and participation in SDMG daily teleconferences;
- coordination and chairing of DDMG meetings conducted throughout the event;
- preparation of dot point briefings as requested;
- monitoring DDC Ipswich email accounts and provision of responses where required;
- status reports to DDMG members;
- liaison with EMQ regarding Resupply issues; and
- maintenance of situation boards, operations log and other DDCC administrative duties.

9. **Key issues identified during:**

9.1 Planning:

The short time period between the commencement of the amendments to the Disaster Management Act on 1 November 2010 and these events limited any update to current plans or planning initiatives and training being provided to staff to operate a Disaster Coordination Centre at the time of a major event.

9.2 Response:

The sudden and devastating flash flooding that occurred on 10 January 2011 in the Toowoomba, Lockyer and Somerset local government areas resulted in a significant Emergency Services response to an extraordinary event.

Major roads closures including the Brisbane Valley and D'Aguilar Highways significantly impacted on response due to no road access to most of the towns north of Fernvale.

The loss of power and telephone communications in the southern areas of the Somerset Council area also had a significant impact on the coordination of the response effort.

In the Ipswich City area the major impact was caused to the Ipswich CBD, Leichhardt, East Ipswich, Basin Pocket and Goodna areas.

Major road closures including the Cunningham and Warrego Highways and the Ipswich Motorway were cut and this significantly impacted on response due to the limited road access in some areas.

The loss of power to significant areas resulted in a large drain on resources in the community.

9.3 Recovery:

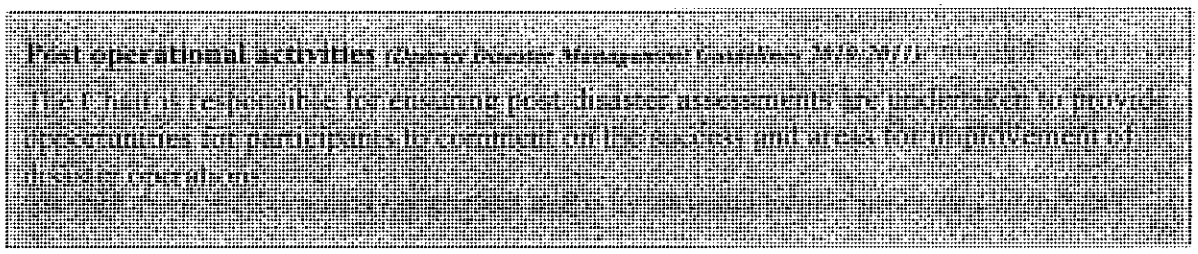
Somerset Region Recovery Centres were set up in Lowood, Fernvale and Esk. Ipswich City Recovery Centres were set up in Goodna, Rosewood, and the Ipswich Show Grounds.

The event significantly stretched the resources of the local recovery agencies and required intra and interstate assistance to support the community e.g. Red Cross, Life Line and Department of Communities staff.

The large number of volunteers that assisted in the clean up also caused logistical issues for the Ipswich and Somerset councils, regarding how to direct the large number of people and resources to best effect.

The initial isolation of many areas for extended periods caused problems with recovery staff unable to access locations in the first few days of the event due to its coverage of the whole district. Many smaller areas were isolated for lengthy periods due to damaged roads and bridges.

10. Ipswich DDMG Debrief;



The Chair should facilitate the completion of a Post-Disaster Assessment Report to document the lessons identified and more importantly recommendations for improving district disaster management arrangements.

The Chair is to ensure the report findings are incorporated into the DDMG Annual Operational Plan for the monitoring and implementation of recommendations.

On 1 March 2011 a formal debrief of the Ipswich DDCC staff was conducted followed by a formal debrief of the disaster event on 2 March 2011 for the Ipswich DDMG conducted by an external moderator.

The following ground rules were established to prior to the debrief commencing:

- Open communication is encouraged to highlight key successes of the response to the event, as well as identifying problems and points of concern to individual group members.
- All concerns will be briefly identified, recorded and displayed on a large board for all members to see. Each point will then be discussed to analyse the problem, identify causes and recommend solutions to prevent the problem recurring in future operations.
- The focus will be on team discussion to resolve problems and prohibit personal criticism of individuals, 'witch-hunts', or apportioning blame.
- A debrief report will be compiled after the debriefing. This will contain recommendations on the implementation of solutions to problems identified during the debriefing as well as acknowledging successes.
- The debrief is not a platform for people to expound their own virtues. The primary aim of the debriefing is to evaluate and discover the balance between successful and unsuccessful areas of the operation.

During the debrief the DDMG considered each of the following key areas:

- Activation
- Response/Planning
- DDMG Meetings during event:
- Situation Reports
- DDMG composition
- Information flow
- Requests for Assistance
- Media management
- Recovery
- Evacuation Centres
- Other issues

The below questions where considered when discussing issues within each key area:

- What went well?
- What did not go well?
- Could we have done better?
- Lessons learnt?
- How can we improve?

Activation:

It was determined that the DDMG was activated as soon as possible given the suddenness of the impact of events in the Somerset Regional Council area and the combination with the events in the Grantham and Toowoomba areas. The warnings of a significant weather event issued by both the Bureau of Meteorology and EMQ had been forwarded on to members throughout the week leading up to the event. The regular quarterly meeting at the end of November and the advice provided at that meeting and the collation of a Christmas New Year contact list was of benefit during the event.

The members were satisfied that the plans in place at both District and Local Government levels were generally adequate but would need some adjustment to address the requirements of a similar level event.

The timing of the BOM forecasts was critical in the initial stages. The information provided could have been improved. Members were of the opinion that if the information of flood heights had been more specifically targeted to council areas (if possible) and provided earlier, Councils could have prepared better. (e.g. if notified that it was going to be a 20metre event – planning would have been more efficient).

Members identified that the Christmas holiday season posed significant issues in relation to availability of human resources in all areas. The contact details obtained by the DDMG were extremely beneficial however the access by all members to sufficient staff at this time of year was an issue. The logistics of staffing numbers would need to be incorporated into local, district and agency plans.

Members also identified a lack of area specific information from BOM.
The Somerset Regional Council area seemed to be generically aligned with the flooding for the Lockyer Valley. The Somerset Region did not get specific media coverage on the impact of the flooding for their area. It was determined that this could be improved if media releases referred to the local government regions not the catchment areas.

The members identified that there were issues with the early warning system in the Somerset Region due to the issues with the communications system including telephones being inoperable. It was considered that there is a need to look at how they will get early information out to the public in the future.

Response:

The initial impact of the events in Toowoomba, Grantham and Esk resulted in a large volume of calls to all emergency services in a very short space of time. This caused a significant impact on the communications systems of all emergency responders in the District.

The Ipswich District Police Communications Centre alone received 89 '000' calls in the hour 1400 to 1500 hrs on the 10 of January and 590 '000' calls for the 24 hrs on 11 January 2011.

The loss of power to the Lowood and Fernvale areas caused issues with the Telstra facilities resulting in the loss of telephone communications in those areas. There were also significant issues in the isolated communities in the Kilcoy and Moore areas due to the loss of power impacting of telecommunications in those areas.

The size of the Somerset Regional Council was considered with a total of – 180 staff – 140 of those are outside operational staff. Leaving only a maximum at any time a total of 40 council staff to assist in the coordination of disaster management functions.
Because of size of the event the council did not have enough trained staff and as a result it had to request assistance from bordering councils. There was a delay in the provision of this assistance due to the severity of the event and this is an issue that needs to be addressed in future planning.

Given the short time frame between the QPS taking operational control of the DDCC and the limited training arranged between that date and this event there was initial uncertainty in some roles, responsibilities, operations and enquiries between the DDCC, police communications and the setting up of an MIR to manage the policing of the event.

The use of Email as the primary communications system was problematical given the single account as point of contact. If this is to remain as the single point then further consideration needs to be given to IT support programs to reduce the clutter and duplication of messages when responses are forwarded.

The group recognised the significant impact that being familiar with all the other members of the group had on the outcome of operations. Knowing who to contact for information and direction resulted in issues being resolved without major delays and without conflict in the group.

After the initial impact of the flood event, and as the volume of calls lessened the systems were generally adequate with the exception of areas in the Somerset Regional Council area. The group considered that although there were significant issues in the response phase that the good work done by members of both the DDCC and DDMG resulted in an positive response to the event.

At both debriefs the representation by agencies at the DDCC was discussed with the current representation still not formally finalised. It will be a matter that needs to be concluded as soon as possible. The representation at both the DDCC and the DDMG was made difficult due to the extent of flooding and the number of members working and residing outside the disaster district.

An issue was that some in the community did not appear to or could not comprehend what was happening even with the significant amount of information being presented in the media. A large percentage of residents did not believe the flood water level forecasts therefore did not prepare sufficiently. A community awareness program will need to be considered before future events.

The group considered that there needed to be a clearer strategy and process to move from response to recovery. The communications process and documentation of the transition needs to be identified. Who LGCCs report to and how they make requests in the recovery phase were not clear.

Air Operations:

The tasking of air assets during the event was a concern due to the last minute change in requests for air assets being transferred from EMQ to the Police Operations Centre Brisbane. How these assets were requested changed a number of times during the event which caused confusion and possible delays in responding to RFAs.

Cross Disaster District Consultation:

The alignment of Disaster District Boundaries and the boundaries of most other Departmental boundaries especially with the Police Boundaries caused some confusion and delays when responding to events in those areas.

The Ipswich Police District encompasses areas of the Brisbane City Council at Karana Downs, Scenic Rim Regional Council at Boonah, Kalbar and Harrisville. However the Ipswich Disaster District also includes parts of the Caboolture Police District at Moore and Kilcoy.

Informal arrangements regarding these anomalies have been in place since the amalgamation however the issues experienced during this event need to be addressed by some formal arrangements being put in place.

Road Closures:

Due to the large number of roads cut by flood water both councils and Main Roads experienced a shortage of road closure signs. It was considered an unviable option to buy enough signs and store them for use in possible future events due to the possibility that a similar event may not occur for a number of years. It was requested that a recommendation be considered to change legislation for permission to use certain signs that are non-standard in certain exceptional circumstances.

As with other locations the contention of whether the 'Road Closed' sign is an enforceable traffic sign is an issue. The importance of being able to enforce road closed signs is critical to saving lives by deterring motorists from crossing flooded roadways. It is recommended the Queensland Police Service and Department of Transport and Main Roads examine this issue and confirm legislative provisions exist for enforcement during future flood events.

DDMG meetings:

Given the number of LDMG meetings, teleconferences and agency briefings members agreed that more than one DDMG meeting daily would reduce the capacity of agencies to respond to their agencies operational requirements.

The frequency of DDMG meetings during the event was considered appropriate however consideration needs to be given in future for meetings to be held in advance of events if sufficient warnings are provided.

The DDCC venue was discussed with a number of issues identified. Improved teleconference capability was considered a necessity for future DDMG meetings. The building was also identified as having issues with overlapping responsibilities for DDCC, DDMG and police MIR operations. It was agreed that consideration be given to identify a separate facility for DDMG and DDCC operations away from the police complex.

Situation Reports:

Due to the size of the event, there was a lot of difficulty in initially establishing effective communication between all agencies. LDMGs had issues obtaining accurate and timely information from all agencies to then provide accurate information to the DDCC and the DDMG.

In the after event evaluations of both Local and District Disaster Plans the issue of SITREPs/communications/consistency of members needs to be addressed.

One issue that caused confusion was the format of the SITREPs changed on a number of occasions. The group identified the need to have guidelines from the SDCC regarding SITREPs and how they will evolve during a major event.

The group also considered that the statistical information was a necessity however a smart IT solution was needed to reduce the amount of time and resources required to complete the SITREPs at both District and Local levels.

DDMG Composition:

In considering this issue the group identified that the different boundaries for all the agencies caused logistical problems for supply of information and resources under the current disaster management arrangements. The fact many of the representatives do not work in the district, their offices are located in Brisbane, and they cover more than one Disaster District. The current arrangement regarding the districts arrangements for requesting resources directly from the group members or through the SDCC needs to be addressed.

Requests for Assistance / Information Flow:

A major concern raised by the group was that once requests for assistance were sent up to the SDCC there was no mechanism in place to acknowledge the receipt or follow up returned to the District on the status of the request. There was no acknowledgement for resource requests, acknowledgement that the request was received and then

acknowledgement of whether the request will be provided/satisfied. It was also acknowledged that the DDMG received requests from LDMG but no response was given.

The use of task tracker was promoted in recent training and events with EMQ but not available during this event. If available it would have resolved this situation.

If task tracker is not available then there needs to be some form of feedback system – to acknowledge receipt of requests – both up to SDCC and down to LDMG.
It was identified that every organisation has a different procedure and in some cases levels of request requirements. Communities and Health were able to be dealt with at DDC level, Q-Build were initially and previously required to go through SDCC. These differences in levels of request requirements need to be standardised to assist in better coordination of requests.

The appropriate contact information and quality of information contained in requests for assistance was also identified as needing improvement and they were identified as key issues. It was evident that the Somerset Regional Council did not have the capability to complete RFAs during the peak response period.

Agencies also identified the 'forced' assistance which was not specifically requested by LDMGs but provided from State or departmental level. An example being the supply of bedding and supplies to the Ipswich Evacuation Centre that were not requested and that resulted in doubled up supply during the event.

Media Management:

At the LDMG level it is evident that when it comes to major events the actions of elected representatives can be unpredictable. Some of the information released during this event was obtained from local, unconfirmed sources and was at times very misleading resulting in time being taken to resolve the issues.

However, the group was very satisfied that there was only one major incident of misreporting identified and this was quickly corrected by through local media.
The group questioned if there was a better way to relay important information to the community and the use of social networking sites such as Facebook and Twitter should be considered in future.

The Ipswich District unlike most Disaster Districts has no local television coverage and therefore relies on local radio as the main timely information distribution source. The local radio station 94.9 were very quick at providing information and was very supportive however given the districts close proximity to Brisbane the issues were not covered in the detail as seen in other districts.

The group concurred that generally the media coverage was managed effectively during the course of the disaster.

Finally, the group recognised the importance of continually engaging the media during disaster events to ensure accurate reporting in the future.

Evacuation Centres / Recovery:

Generally it was considered that logistically the evacuation centres set up by the councils were well run however the number of self activated centres which were not planned caused issues with supply of resources. The LDMG's needed to consider how they will respond to the situation of local community groups activating their own centres and how the council will support those centres.

Setting up an evacuation centre is not the issue but the running the centres and providing support were the issues. Red Cross attended and were there to manage some of the centres however they were stretched. There needed to be a more coordinated approach to the setting up and running of the centres to ensure they are suitable and resourced properly.
Security was an issue at the recovery centres with the evacuees provided with cash and some people going out drinking and then returning to the evacuation centres causing problems. This was handled by police being tasked to the main centres however is an issue that needs to be considered in future planning.

There should be a process put in place to set up an evacuation centre not just announce that it is being set up. Retirees were dropped off at evacuation centres with no support staff. Aged Care facilities are required to have a plan to relocate their residents in situations such as this not just take them to the evacuation centres.

The group considered that it would be preferred that a recovery centre is not in the same place as an evacuation centre generally. It was determined that it was hard to identify the numbers in the evacuation centres as some people attended with no requirement to be there. A large number were there just for free meals or the power was off at their non-flood affected residences.

It was acknowledged that there was an expectation from the SDCC that we know the number of people in those evacuation centres and there was a need for these numbers to be accurate and with some validity.

The isolation of some areas necessitated the need for more centres to be opened. These organic centres should have been identified earlier to ensure the communities' needs were responded to. The appointment of one point of contact in each centre was needed to address issues as they arose.

The main issue was not about coordinating the organic centres but it was about providing support for the centres. Once they were identified the primary need was to find out what they needed – blankets, bedding, food. An area that was lacking was registering those people at the locally self activated centres.

11. Recommendations:

Issues to be addressed at local level:

1. It is recommended the Somerset Regional Council and Ipswich City Council Disaster Management Plans be reviewed and learnings from recent events be incorporated into the plans.

2. It is recommended EMQ provide LDMGs further training in the preparation of requests for assistance and the setup and running of coordination centres.

3. The councils develop policy and strategies to address the support and coordination of self activated evacuation centres.

Issues to be addressed at a District Level:

4. It is recommended the Ipswich District Disaster Management Plan be reviewed and learnings from recent events be incorporated into the plan.

5. It is recommended the Executive Officer in conjunction with EMQ provide DDMG and DDCC staff further training in the preparation of requests for assistance and the setup and running of coordination centres.

6. It is recommended the DDC commence liaison with DDCs from Brisbane, Logan and Redcliffe Districts to ensure effective management of disaster events across multiple districts and council areas.

7. It is recommended the Executive Officer review options for an alternative venue for the DDCC and DDMG which meets information technology, business continuity and space requirements.

8. It is recommended the Executive Officer review the DDCC Standard Operating Procedures to clarify information flows and the management of requests for assistance.

Issues recommended to be considered at a State level:

9. It is requested that consideration be given to the development of standard air operations protocols especially in the south east of the state for use during major disaster events.

10. It is requested the Queensland Police Service and Department of Transport and Main Roads examine the issue regarding enforcement and use of non compliant road closure signs and confirm legislative provisions exist for enforcement during future flood events.

11. It is requested that advice be sought from BOM on the development of area specific information during future events. The use of Council areas as the basis of announcements regarding weather events should be considered.

12. It is requested that consideration be given to the formalisation of governance arrangements for representatives on both the LDMG's and DDMG.

13. It is requested that consideration be given to an IT solution for the transfer of information including RFAs and SITREPs between Local, District and State to better facilitate responses to major events.



Distribution:

1. District Disaster Coordinator
2. District Disaster Management Group members
3. Assistant Commissioner, Southern Region
4. Assistant Commissioner, QPS Flood Crisis Review Group
5. State Disaster Management Group
6. Disaster Management, Operations Support Command

Approved:

Superintendant Garth PITMAN
District Disaster Coordinator
Ipswich District
25 March 2011

In the matter of the
Commissions Of Inquiry Act 1950

Commission of Inquiry Order (No. 1) 2011

QUEENSLAND FLOODS COMMISSION OF INQUIRY

Witness Statement of Anthony Keith Trace

Local Disaster Coordinator

Ipswich City Council

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Topic 19	Proposed mitigation measures for future flood events	To be provided
Topic 20	Special geographic considerations relevant to Ipswich	To be provided
Topic 21	Areas of particular difficulty or which may require practical or legislative change to improve future disaster management in Ipswich	To be provided

Table of Attachments

	Description	Date
AKT-1	Copy of email to all members of the Ipswich LDMG, as well as to the ICC Councillors and relevant ICC officers that the level of activation be moved from "Alert" to "lean forward 1"	Friday, 7 January 2011 at 10:48am
AKT-2	The minutes of the four Ipswich LDMG meetings held between February 2010 and October 2010	
AKT-3	The minutes of the Ipswich LDMG meetings held between 23 December 2010 and 28 December 2010	23-28 December 2010
AKT-4	The minutes for the Ipswich LDMG meetings held between 10 January 2011 and 28 January 2011	10 January 2011-28 January 2011
AKT-5	Sitreps 1-10 in relation to the December 2010 event	December 2010
AKT-6	Sitreps 1-31 in relation to the January flood event	January 2011
VOLUME 2		
AKT-7	Copies of the Ipswich DDMG minutes for meetings held 12 January, 13 January, 14 January, 18 January, 20 January 2011 and 27 January 2011	January 2011
AKT-8	Copy of certificate presented to Mr Trace by EMQ upon completion of introduction course to the LDC role	20 December 2010
AKT-9	Copies of the agenda for the meeting in Cairns on 30 November 2010 and copies of two UNISDR publications distributed at this meeting entitled "Making Cities Resilient my City is getting ready" and "Is your City ready"	30 November 2010
AKT-10	Copy of a power point presentation which Mr Trace delivered as part of his presentation on 24 August 2010	24 August 2010
AKT-11	Memoranda to the Chief Operating Officer (Engineering Services) detailing ICC's applications for funding from the NDRP and the outcome of those applications	2 August 2010 and 18 November 2010
AKT-12	Agenda for the LGAQ 2010 Disaster Management Conference	2-4 June 2010
AKT-13	Copy of email dated received from Senior Sergeant Goodger, assistant EO to the Ipswich DDCC inviting Mr Trace to QPS information session, and detailing the agenda and areas to be addressed	11 June 2010
AKT-14	Copies of media reporting in the local Ipswich media of the potential for a major flood event, and of steps to be taken by the community in preparation for such an event	13 October 2010, 27 October 2010, 1 November 2010, 8 December 2010, 28 December 2010

		and 6 January 2011
AKT-15	Memorandum to the Chief Operating Officer (Engineering Services) concerning the proposed changes to the Emergency Management Act, including a summary of the proposed policy and legislative changes to the disaster management arrangements	12 May 2010
AKT-16	Email from Mr Wayne Bichel confirming action taken to ensure that the Council held sufficient stores of emergency equipment	23 December 2010
AKT-17	Copies of emails Mr Trace to Council officers and Councillors	28 December 2010 - 10 January 2011
AKT-18	Index of reports that ICC has a record of having received from BOM	7 December 2010 - 21 January 2011
AKT-19	Copies of the BOM reports referred to in AKT-18 the aforesaid index	
AKT-20	Index of Seqwater reports	6 January 2011 - 20 January 2011
AKT-21	Copies of the Seqwater reports referred to in AKT-20	
AKT-22	Copies of the requests for assistance which were issued by the Ipswich LDMG to the Ipswich DDMG during the course of the flood event	
AKT-23	Copy of the ICC Local Recovery Group Flood Recovery Plan	
AKT-24	Copy of the debrief report produced by the Ipswich DDMG following the flood event	

Witness Statement of Tony Trace

This written statement is provided in response to a requirement to provide written information to the Queensland Floods Commission of Inquiry dated 29 March 2011 under Section 5 of the *Commissions of Inquiry Act 1950* (Qld).

I, **Anthony Keith Trace** of Ipswich City Council (**"ICC"**), [redacted], Ipswich, in the State of Queensland, state as follows:

Introduction and Qualifications

1. I hold a Bachelor of Business and Accounting from the Queensland University of Technology (1991). I have also completed post-graduate studies in obtaining an Applied Diploma in Finance and Investment with the Securities Institute of Australia (1999) and am currently studying for a Graduate Diploma in Business Excellence through SIA Global.

2. Since 2007 I have been employed by ICC as its Business Support Manager for Engineering Services. In that role, I have overall responsibility for the provision of business support to the Council's Engineering Services Department, that is, the "non-engineering" aspects of the department such as financial management and compliance, business planning and reporting, workforce planning, quality assurance and continuous improvement.

3. I commenced employment with ICC in October 2001 as a Business Support Officer for Ipswich Fleet Services. I have subsequently performed a number of roles:

   (a) 2004-2006: Business Support Officer, Roads & Drainage Provider Unit;

   (b) 2006: I was seconded to the Business Transformation Program and assisted in implementing ICC's enterprise resource planning solution (ERP);

   (c) 2006-2007: Senior Business Advisor, Engineering Services.

4. In addition to my role as Business Support Manager, Engineering Services, since July 2009 I have had responsibilities in relation to ICC's Local Disaster Management.

5. In July 2009 I was appointed to the position of Executive Officer of the Ipswich Local Disaster Management Group (**Ipswich LDMG**). Prior to this, from November 2008, I had provided a support role to the then Executive Officer to the Ipswich LDMG.

6. Following amendments to the *Disaster Management Act 2003* (Qld) which came into effect on 1 November 2010, the role of Executive Officer for the Local Disaster Management Group was abolished. The 1 November 2010 amendments created a position of local disaster coordinator.

7. On 7 November 2010 I was appointed the Ipswich Local Disaster Coordinator (**LDC**) by the Chairperson of the Ipswich LDMG. I held the role of LDC during the December 2010/January 2011 flood event (**the flood event**) and continue to hold that position at the time of making this statement.

8. I had leave planned over Christmas 2010 but due to the developing adverse weather conditions I returned from Christmas leave early on Boxing Day, and was in attendance at my office from 26 December 2010 until after the passing of the flood event.

Background - Ipswich District Disaster Management Group and Ipswich LDMG

Ipswich LDMG

9. The Chair of the Ipswich LDMG is the Mayor, Councillor Paul Pisasale. The Deputy Chair of the Ipswich LDMG is Councillor Trevor Nardi. Mayor Pisasale and Councillor Nardi have occupied the positions of Chair and Deputy Chair since prior to my appointment as Executive Officer of the Ipswich LDMG in July 2009.

10. Throughout the duration of the flood event, Councillor Nardi acted as the Chair of the Ipswich LDMG. Mayor Pisasale was actively involved as the public face for the City of the Ipswich throughout the flood event, and was kept constantly updated on the developing flood situation and related matters by Councillor Nardi and myself.

11. The standing membership of the Ipswich LDMG, in addition to the Chair, Deputy Chair and LDC, comprises representatives of the following agencies:

- State Emergency Service (SES);
- Queensland Fire & Rescue Service (QFRS);
- Queensland Ambulance Service (QAS);
- Queensland Police Service (QPS);
- Emergency Management Queensland (EMQ);
- Queensland Health - Ipswich Hospital; and
- Ipswich City Council.

12. In addition, meetings of the LDMG typically include a number of observers/advisors on an "as required" basis. These observers/advisors comprise representatives from some or all of:

- Department of Communities;
- Department of Transport and Main Roads (DTMR);
- Royal Australian Air Force (RAAF);
- Telstra;
- Energex;
- Queensland Emergency Services Chem Unit;
- Department of Employment, Economic Development and Innovation (DEEDI); and
- Queensland Urban Utilities.

13. Also, relevant officers of various ICC operational departments attend the Ipswich LDMG meetings on an "as required" basis.

14. There are two other LDCs for the Ipswich LDMC in addition to myself, being Mr Ross Drabble and Mr Tony Dileo. During the flood event, I alternated the LDC role with Mr Drabble, typically handing over to Mr Drabble at around 7:00pm with a hand over back to me at around 7:00am. However, Mr Drabble lives in Brisbane and for a short period took longer than usual to access Ipswich due to the floods. As a result I was actively involved as LDC beyond the times I have referred to. Mr Dileo was on leave at the time and was not involved during the flood event. For these reasons most of the LDC activity was undertaken by myself, with support from Mr Drabble.

15. The practice of the Ipswich LDMG is to meet quarterly and otherwise on an "as required" basis. Throughout 2010 the Ipswich LDMG met on:

- 2 February 2010;
- 20 May 2010;
- 3 August 2010; and
- 26 October 2010.

16. In December 2010, Ipswich experienced some localised flooding consequent upon the heavy rainfall being received in the Bremer River and local creek catchments. As a consequence the Ipswich LDMG was convened and met on:

- Thursday, 23 December 2010;
- Monday, 27 December 2010; and
- Tuesday, 28 December 2010.

17. The various activation levels for the Ipswich LDMG are:

- Alert;

- Lean Forward Level 1
- Lean Forward Level 2
- Stand Up Level 1
- Stand Up Level 2
- Stand Down

The triggers for each of these activation levels are detailed at Schedule 4 to the ICC submission on Flood Preparedness (**the ICC Submission**) lodged with the Commission of Inquiry on Wednesday, 23 March 2011.

18. At its meeting on Thursday, 23 December 2010 the Ipswich LDMG was placed in a "Lean forward - level 1" position. By Tuesday, 28 December 2010 the relevant weather event had passed. However, as there was a forecast for further potential adverse weather, the Ipswich LDMG remained at "Alert" status.

19. To the extent that the December 2010 Ipswich LDMG meetings are relevant to the specific issues that the Commissioner has requested be addressed in this statement, those matters are addressed further below.

20. As a result of further substantial rainfall experienced over the New Year period and into early January 2011, on the morning of Friday, 7 January 2011 discussions were held with the Deputy Chair concerning the developing event and we agreed that the Ipswich LDMG level of activation be moved from "Alert" to "Lean forward 1" status. I emailed notice of this decision to all members of the Ipswich LDMG, as well as to the ICC Councillors and relevant ICC officers on 7 January 2011. My email noted that:

> *"Given the forecasted rainfall, the Deputy Chairperson has requested that the LDMG level of activation will be moved from "alert" to LEAN FORWARD ONE.*

As such, member agencies are requested to review their level of readiness, including resourcing levels and availability.

LDMG members are notified that they should be prepared for the possibility of being required to attend full briefing meetings on Sunday or Monday, depending on how this weather system develops".

21. Attached to my statement and marked **AKT-1** is a copy of my email at 10:48am on Friday, 7 January 2011 on this subject.

22. Also on Friday, 7 January 2011 a Flood Coordination Centre was established in the Hayden Centre, 37 South Street, Ipswich in preparation for what was, at that time, a potentially developing event.

23. At 8:30am on Monday, 10 January 2011 the first meeting of the Ipswich LDMG was held in relation to the extreme weather event then being experienced. At that meeting the LDMG status was upgraded from "Lean forward 1" to "Stand up". Between Monday, 10 January 2011 and Friday, 21 January 2011 the Ipswich LDMG met on 14 occasions. On Friday, 28 January 2011 the Ipswich LDMG status was formally downgraded to "Stand down" as the Ipswich City Local Recovery Group had been established and was scheduled to hold its first meeting on Monday, 31 January 2011.

24. Minutes of each LDMG meeting are produced by Ms Kerrie Tillick, the secretary to the Ipswich LDMG. These minutes contain a good record of the activities of the Ipswich LDMG, and of the decisions undertaken over the period to which they relate. Ordinarily the minutes are approved by the Chairperson. However, given the frenetic level of activity in the days following Monday, 10 January 2011 it is possible that not all of the Ipswich LDMG minutes for the period 10 January 2011 - 28 January 2011 were settled by the Deputy Chair. It is also possible that some of the minutes contain some minor inaccuracies. The minutes nevertheless represent a contemporaneous record of the activities of the Ipswich LDMG.

25. Attached to my statement are copies of the following Ipswich LDMG minutes:

AKT-2: The minutes for the four Ipswich LDMG meetings held between February 2010 and October 2010;

AKT-3: The minutes of the Ipswich LDMG meetings held between 23 December 2010 and 28 December 2010;

AKT-4: The minutes for the Ipswich LDMG meetings held between 10 January 2011 and 28 January 2011.

26. In addition to the record of events included in the Ipswich LDMG minutes, for the duration of an event Ipswich City Situation Reports (**Sitreps**) are produced by the LDC. I am generally the author of the Sitreps, although, during the January 2011 event, I was assisted in the preparation of these by other Council officers. The Sitreps are produced on a regular basis and are emailed by me to the Ipswich District Disaster Coordinator, the members of the Ipswich LDMG, other relevant agencies, ICC Councillors, the CEO, Department COO's and other relevant ICC Council officers. By this means all relevant and interested parties are kept updated with developments.

27. The Sitreps comprise a good record of the relevant events from my perspective as LDC. Between 23 December 2010 and 28 December 2010, 10 Sitreps were produced. Then between 11 January 2011 and 4 February 2011, 30 Sitreps were produced in relation to the flood event, with a final Sitrep (Sitrep 31) issued on 11 February 2011. Once again, due to the frenetic activity during the flood event it is likely that the Sitreps contain some inaccuracies in terms of detail, in that on occasions information in one Sitrep may have been inadvertently carried over into a succeeding Sitrep without being updated. The Sitreps nevertheless provide a good summary overview of the relevant event and of the actions taken.

28. Attached to my statement are copies of the following Sitreps:

AKT-5: Sitreps 1-10 in relation to the December 2010 event; and

AKT-6: Sitreps 1-31 in relation to the January flood event.

Ipswich District Disaster Management Group (Ipswich DDMG)

29. The Ipswich Disaster Management area comprises the Ipswich and Somerset local areas. Because the Somerset Regional Council is quite small in size (numerically), even though the Somerset regional area is quite large, comprising approximately 5,000 square kilometres compared to the Ipswich Council area of approximately 1,000 square kilometres, there is a significant commonality of membership between the Ipswich LDMG and the Ipswich DDMG.

30. The Chair of the Ipswich DDMG is Superintendant Garth Pitman of the QPS. Superintendant Pitman is also the District Disaster Coordinator (**DDC**). The Deputy Chairperson of the Ipswich DDMG is Inspector David Preston. The Chair and Deputy Chair are assisted by an Executive Officer (**EO**) (Senior Sergeant Robbie Goodger) and a number of assistant EOs.

31. Membership of the Ipswich DDMG comprises representatives of:

- Queensland Police Services;
- Queensland Ambulance Services;
- Emergency Management Queensland;
- Ipswich City Council;
- Somerset Regional Council.

32. The Ipswich DDMG is supported by advisors from a number of other agencies, primarily State government agencies and essential services providers. The practice of the Ipswich DDMG is to meet quarterly and otherwise on an "as required" basis. Through 2010 the Ipswich DDMG met on:

- 4 March 2010;
- 3 June 2010;

- 2 September 2010;
- 30 November 2010.

33. During the January 2011 flood event the District Disaster Coordination Centre was activated on Monday, 10 January 2011, primarily to coordinate the district response to flooding being experienced within the Somerset Regional Council area. The Ipswich DDMG first met on Wednesday, 12 January 2011, and then again on 13 January 2011, 14 January 2011, 18 January 2011, 20 January 2011 and 27 January 2011. Councillor Nardi and I attended these meetings on behalf of ICC. The meetings were held at the Yamanto Police Station approximately 10 minutes drive from the ICC Coordination Centre.

34. Attached at **AKT-7** are copies of the Ipswich DDMG minutes for these meetings.

Request to provide information

35. By letter dated 29 March 2011 the Commissioner of the Queensland Floods Commission of Inquiry required that I provide a written statement under Section 5 of the *Commissions of Inquiry Act 1950* (Qld) detailing information in relation to 21 subject areas. This statement is provided in response to the Commissioner's request.

36. Further, by letter dated 29 March 2011, the Commission reiterated its desire to avoid duplication of information and that it does not require statements to repeat information that has already been provided to the Commission, and considers references in statements to such information sufficient where appropriate.

37. The ICC Submission contains detailed information in relation to ICC's preparation for and response to the flood event. In accordance with the Commission's request, I will not duplicate that information in my statement, but, where appropriate, my statement will cross reference relevant paragraphs of the ICC Submission.

Topic 1 - Local planning, preparation and training in advance of the flood event

Introduction

38. In response to this topic I will address the issue of local planning, preparation and training undertaken in advance of or in relation to the flood event from two perspectives:

(d) Firstly, my personal preparation and training in my capacity as LDC; and

(e) Secondly, preparation and planning undertaken by ICC.

Personal Preparation and Training

39. As noted in paragraphs 6 and 7, the role of LDC was introduced into the disaster management framework on 1 November 2010. I was appointed LDC on 7 November 2010. Prior to this I was the EO for the Ipswich LDMG.

LDC induction training - 20 December 2010

40. On 20 December 2010 I undertook an LDC induction training course. This course was conducted by EMQ in the Rosewood Room in the ICC Hayden Centre. The course was also attended by Councillor Nardi, Mr Drabble and Mr Dileo. At this course I was presented with the EMQ School of Emergency Management "SEM2016 Local Disaster Coordinator Induction" Participant Guide. The Guide is a bulky document and I have not exhibited a copy of the Guide to this statement. However, a copy can be made available to the Commission upon request.

41. This course was in the nature of an introduction course to the LDC role. On the completion of the training I sat an exam. Attached to my statement at **ATK-8** is a copy of the certificate presented to me by EMQ upon my successful completion of this training.

The Australian Inter-Service Incident Management System (AIIMS)

42. AIIMS is an incident management control system designed to enable the seamless integration of the activities and resources of multiple agencies when applied to the resolution of any emergency situation. The LDC induction course held on 20 December 2010 introduced the

AIIMS multiple agency incident management system but did not descend to the detail of how the system operated. I consider the development of these multiple agency management skills to be important to my carrying out my responsibilities as LDC and following my attendance at the 20 December 2010 Induction Course I requested the ICC Engineering Services training coordinator to identify a course that I can attend to undertake AIIMS training.

District Disaster Coordination Centre (DDCC) Training - 22 December 2010

43. On 22 December 2010 I attended a disaster management training session conducted by EMQ and the QPS at the Yamanto Police Station. This session was also attended by the Somerset Regional Council LDC, Mr Tony Jacobs, and focussed on disaster management issues at the Ipswich District level.

44. This session lasted half a day and covered some of the same ground as had been covered at the LDC induction session conducted two days earlier. It also included some exercises, using the AIIMS methodology and framework, and included an exercise involving the establishing of a mock crisis coordination centre, which was designed to demonstrate how such a centre would function.

45. This training involved the establishing of a coordination centre to deal with a mock traffic accident. It identified that a functioning coordination centre requires (1) planning personnel (2) operational personnel and (3) logistics personnel supporting the planning and operations personnel.

46. This training was prescient as a fortnight later I was required to establish the ICC flood Coordination Centre, and the training I had received through the mock exercise conducted on 22 December 2010 proved very helpful in that regard.

47. I was able to ensure that the ICC Coordination Centre for the flood event was structured to ensure that it included:

(a) a planning arm, with personnel having a particular focus on issues such as hydrology reports, road networks and evacuation centres, and who were involved in converting the various pieces of information being received by the Coordination Centre from a range of information sources into action plans;

(b) an operations arm, comprising relevant personnel from across the various Council departments and relevant agencies, who could give operational effect to the action plans; and

(c) a logistics arm, comprising personnel who provided logistical support, in the nature of communications, supplies and other resources to the planning and operations arms.

48. At this DDCC training session there was also an introduction to the proposed EMQ Disaster Management Portal site. This site is still under development, but there was discussion as to how the site would operate. My understanding is that the DDMG, the DDC, the LDMG and the LDC will be able to log on to the portal site to access and extract relevant information and reports, as well as to input relevant data such as Sitreps, contacts lists and the such like.

49. The portal still has some considerable way to go in terms of its development. However, I consider it to be a valuable resource as I believe that an essential tool for future disaster management is a common, fully integrated, whole of State ICT (Information Communications and Technology) system. One particular issue experienced during the flood event, and addressed more fully in my comments below in response to Topic 15, is the difficulty I experienced in tracking the status of any response by the State Disaster Coordination Centre or by the DDCC to requests for support issued by the Ipswich LDMG through myself as LDC. A fully integrated ICT system should enable the status of such support requests to be readily tracked.

50. At present, disaster management across the State involves reliance on a number of different and largely incompatible ICT systems of varying levels of sophistication. Throughout the flood

event, the obtaining of reliable and timely information was an issue. I consider that reliable and timely knowledge and information management is critical, as it is from such knowledge and information that plans, actions, and priorities are identified at the LDMG level.

51. Another advantage of this DDCC training session was that, to the extent that I had not previously met them, it enabled me to meet and put faces to names of the relevant QPS personnel within the DDMG structure. At the conclusion of the DDCC training on 22 December 2010 arrangements were discussed for the scheduling of a follow-up training exercise to be held involving the Ipswich DDMG and the Ipswich LDMG and the associated Coordination Centres in late January 2011. However, due to the flood event this proposed exercise was replaced by an actual event.

UNISDR Making Cities Resilient Campaign - 30 November 2010

52. On 30 November 2010 I attended a United Nations International Strategy for Disaster Reduction (UNISDR) meeting held in Cairns. This meeting was on the subject of "Making Cities Resilient". Cairns is regarded as a role model City or "Champion" for community resilience to disaster events, and the purpose of my attending this meeting in my capacity as Ipswich LDC was to better understand the resilience program, and to develop my learning and skills around issues of community resilience with a view to examining how such learnings might be applied in the context of the City of Ipswich.

53. Annexed to my statement and marked **AKT-9** are copies of the agenda for the meeting in Cairns on 30 November 2010 and copies of two UNISDR publications distributed at this meeting entitled "Making Cities Resilient my City is getting ready" and "Is your City ready".

54. This meeting was also attended by a representative from the Fraser Coast Regional Council. Following this meeting, I had the helpful experience of attending a meeting of the Cairns Local Disaster Management Group as an observer.

Community Resilience - Ipswich - 29 August 2010

55. My attendance at the UNISDR meeting in Cairns on 30 November 2010 arose from a particular interest that I have in the issue of community resilience to disaster events. The aim of community resilience is to strengthen communities, individuals, businesses and institutions to minimise the effects of disasters.

56. The key elements of disaster management are preparedness, response and recovery. There is, however, another important element, which is prevention. On 27 August 2010 I made a presentation to the ICC CEO and senior management team. The purpose of this presentation was to heighten awareness within the ICC management team of these key elements. This presentation was also used to promote discussion as to how, within the Council, we may be able to develop strategies to enhance awareness within the Ipswich community of the importance, in particular, of the elements of prevention and awareness, and of the concept of community resilience to disaster events.

57. Attached to my statement and marked **AKT-10** is a copy of a power point presentation which I delivered as part of my presentation on 24 August 2010.

National Disaster Resilience Program

58. I also used this presentation to senior management on 24 August 2010 to increase awareness within the Council as to what was occurring in relation to the National Disaster Resilience Program (NDRP) and Community Resilience Applications (CRA's) which had been lodged with the NDRP by ICC.

59. The NDRP is a joint Federal Government and State Government Program which makes funding available in the form of grants for the purposes of disaster risk reduction and to enhance community resilience to natural disasters. The NDRP vision is to "reduce Queensland Communities vulnerability to natural hazards by supporting local governments and other

stakeholders to build community resilience". The funding arrangement is on a 1/3 contribution by each of the Federal Government, the State Government and the funding applicant.

60. In the first round of NDRP funding Ipswich was successful in receiving grants to:

(a) increase the flood resilience of the Rosewood Township; and

(b) increase the flood resilience of the Lower James Street area at Goodna.

61. The second round of grants was launched on 4 June 2010. For this round, ICC identified six initiatives for funding consideration and lodged CRA's for these initiatives. The initiatives, in order of priority were:

(a) increasing the flood resilience of Greater Thagoona;

(b) updating the Ipswich Natural Disaster Risk Management study and the Ipswich Disaster Management Plan;

(c) development of the Brisbane River and Bremer River event modelling and action plans (an application made jointly with Brisbane City Council and Somerset Regional Council);

(d) a pilot program for the calibration of critical crossings to the Alert/Floodwise monitoring system (a joint application with Brisbane City Council and Gold Coast City Council);

(e) a feasibility pilot for event surveillance cameras; and

(f) the floodway upgrade at Grey's Plains Road, Mount Mort.

62. At the meeting on 24 August 2010 I outlined these initiatives to senior management. The purpose of prioritising the applications is to attempt to secure NDRP funding for the highest priority areas, with Council funding then being utilised to pursue other lower priority disaster management initiatives. As it transpired I was notified in November 2010 that each of the six

ICC CRA's had been successful. However, the funding agreements for these initiatives were not received until January 2011, at around the time of the flood event. As a result none of these initiatives had been commenced prior to the flood event. They will each be progressed during the course of 2011.

63. Attached to my statement and marked **AKT-11** are copies of my memoranda to the Chief Operating Officer (Engineering Services) dated 2 August 2010 and 18 November 2010 respectively detailing ICC's applications for funding from the NDRP and the outcome of those applications.

Annual Local Government Disaster Management Conference - 2-4 June 2010

64. As a further element of my training I attended the 2009 and 2010 annual Local Government Disaster Management conferences conducted by the Local Government Association of Queensland. These conferences were held over three days.

65. The 2009 conference was held in Emerald and was also attended by Councillor Nardi and Ms Brooke de Jong, a Council Officer in the Economic and Community Development department who has a particular interest in disaster management.

66. The 2010 conference was held in Home Hill on 2-4 June 2010 and was also attended by Councillor Nardi and Ms Kerryn Anderson, a Council Officer in the Health, Parks and Recreation department who also has a particular interest in disaster management.

67. Attached to my statement and marked **AKT-12** is a copy of the agenda for the LGAQ 2010 Disaster Management Conference.

Disaster Management Joint Information Session - Queensland Police Service - 19 July 2010

68. On 19 July 2010 Councillor Nardi and I attended a disaster management information session held at the QPS Headquarters, Roma Street, Brisbane. The purpose of this session was to outline to the Ipswich DDMG and to the Ipswich LDMG the proposed changes to the Disaster

Management Act. This session followed an earlier briefing in relation to the proposed amendments to the Act conducted by EMQ on 4 May 2010. I have included further details in relation to the EMQ information session in my response to Topic 4 below. Attached to my statement and marked **AKT-13** is a copy of an email dated 11 June 2010 that I received from Senior Sergeant Goodger, an assistant EO to the Ipswich DDMG inviting me to this QPS information session, and detailing the agenda and areas to be addressed.

Conclusion in relation to personal preparation, including training

69. As is illustrated by the foregoing, throughout the course of 2010, and in particular during the six months period from June 2010 to December 2010 I undertook considerable formal training in preparation for carrying out my roles and responsibilities as Ipswich LDC. Because of my particular interest in disaster management, I supplemented this formal training with additional reading, as well as my preparation for and attendance at Ipswich DDMG and Ipswich LDMG meetings throughout the course of 2010.

Preparation and planning undertaken by Ipswich City Council

70. In this section of my statement I detail some of the local planning and preparation, including training, undertaken by ICC in advance of or in relation to the flood event.

"1974 Scenario" for the ICC Riverview Depot

71. The Riverview depot is located at 4 Kenneth Street, Riverview, near to the junction of the Bremer and Brisbane Rivers. It is ICC's primary public works and storage depot. It contains the ICC fleet workshop, the Council's main store and is the location where the Engineering Services department operations arm is based, comprising the field workers and related Engineering Services fleet and equipment. The location of the Riverview depot was flooded during the 1974 flood.

72. In preparation for the 2010/2011 summer storm season, a mock exercise was carried out in relation to how the Riverview depot would respond to a repeat of the 1974 flood event if the depot was inundated and unable to be accessed for seven days.

73. This exercise was undertaken over two days on 15 November 2010 and 13 December 2010. The questions asked as part of this exercise included:

(a) what are the issues we might face;

(b) what are the solutions to these issues;

(c) where does the plant and equipment go in a flood situation, where do the people go, and how do we continue to operate if we are unable to access the depot.

74. This was an effective exercise. Arising from this exercise included plans as to:

(a) where plant and equipment from the depot would be taken in the case of a flood event;

(b) identifying which Council officers and employees were available to be called in if required on an urgent basis over the 2010-2011 summer holiday period;

(c) ensuring that all relevant skill sets were covered by available Council employees during the summer holiday period; and

(d) the production of a contact list for the available officers and employees.

75. As it transpired the Riverview depot was inundated during the flood event and the plans developed during the mock exercise were successfully implemented. Although the depot sustained substantial damage and some plant was lost, primarily due to the suddenness of the flood event, employees were called in urgently to assist with the relocation of plant and equipment, and the fleet and much of the equipment was relocated to flood proof areas as planned. To the extent that it was possible to do so, the functions of the depot continued to be performed from temporary facilities whilst the depot was unavailable.

76. One of the learnings to emerge from this mock exercise was the need to develop and document business continuity plans for important Council assets and infrastructure. It is also necessary that these plans can be readily accessed and implemented in the case of any future disaster event. This learning is further detailed at paragraph 13.37 of the ICC Submission.

Other Ipswich City Council preparations

77. Other planning and preparation undertaken by ICC in the months preceding the flood event included:

(a) at the Ipswich LDMG meeting held on 26 October 2010 the EMQ representative provided an overview of BOM predictions for the summer season, including 6 cyclones predicted for the East Coast of Queensland, 75% higher than average rain fall, and potential weather conditions paralleling those of 1974. As a result of these predictions the Ipswich LDMG requested that:

(i) all LDMG members review their specific roles and responsibilities under the Ipswich Local Disaster Management plan and advise any amendments or updates to these responsibilities to the secretary to the Ipswich LDMG by 8 November 2010. Each of the Ipswich LDMG members responded to confirm awareness of their respective roles and responsibilities;

(ii) the SES representative was requested to liaise with the Ipswich Show Society as to the potential use of the Ipswich Showgrounds as an evacuation centre in the case of an emergency. The SES representative, Mr van den Ende consequently met with the Ipswich Show Society President, together with one of the ICC Councillors, Ms Cheryl Bromage, who is also a member of the Ipswich Show Society, and confirmed the availability of the Showgrounds as an evacuation centre if required;

(b) updated contact lists were prepared for all Ipswich DDMG and Ipswich LDMG members.

(c) a review was undertaken of the "Link" to the EMQ website from the ICC website to ensure that this link was functioning properly and also to ensure that the emergency management forms located on the EMQ website were up to date, and that the information in relation to the household emergency event preparation check lists, household evacuation kits and the such like, published on the EMQ website, were current;

(d) during September and October 2010 a maintenance check was undertaken of the Enviromon "Alert" system to ensure that all ICC gauges located in Ipswich area catchments were operative and functioning properly. Any non-functioning gauges were repaired. At the time of the flood event all of the "Alert" gauges throughout the Ipswich area were functioning properly, with the exception of only one remote gauge located at Ripley in the top end of the Bundamba Creek catchment, although this was not material as there are a number of downstream gauges along that catchment which were all functioning;

(e) the ICC Enterprise Business Solutions Branch (EBSB) and Health Parks and Recreation department (HP & R) had proposed undertaking maintenance work on ICC's facilities over the quiet Christmas/New Year period, which would have resulted in several ICT applications being unavailable including email, internet, PD Online and all enterprise applications (for example, Council mapper), as well as the Enviromon monitoring system being off-line whilst the maintenance was carried out. Given the adverse weather forecasts for this period, arrangements were made with EBSB and HP & R to defer this work until the Easter 2011 holiday period;

(f) following the creation of Queensland Urban Utilities (QUU) with responsibility for the provision of Ipswich's drinking water supply and sewerage services from 1 July

2010, a representative from QUU was appointed as an observer on the Ipswich LDMG to report to the LDMG as required on water and sewerage related issues, and was included on the contact list for the Ipswich LDMG;

(g) a continuation of an ongoing awareness campaign by the ICC and by the SES to enhance disaster management awareness within the Ipswich Community. These awareness activities included:

(i) the presence of a disaster management information stand attended by SES officers at most ICC community events;

(ii) visitations by the Ipswich SES Coordinator to Ipswich Schools and community groups promoting the key messages of awareness and preparation for potential disaster events;

(iii) regular media reporting in the local Ipswich media of the potential for a major flood event, and of steps to be taken by the community in preparation for such an event. Attached to my statement and marked **AKT-14** are copies of reports published in the local Ipswich newspapers, The Ipswich Advertiser and the Queensland Times on 13 October 2010, 27 October 2010, 1 November 2010, 8 December 2010, 28 December 2010 and 6 January 2011; and

(iv) promotion by the Ipswich SES Coordinator of ICC's Emergency Management website page as a source of further disaster management information;

(h) steps undertaken in conjunction with the Ipswich SES to increase the availability of sandbags.

Topic 2 - Immediate pre-flood event - Mitigation measures

Introduction

78. ICC and the Ipswich LDMG implemented a number of measures immediately prior to the flood event designed to mitigate the effect of any flooding and also in preparation for ICC's emergency response to the flood event.

Mitigation Measures

79. During the period from around October 2010 and continuing over the 2010 Christmas-New Year period, ICC's drainage maintenance crews were focussed on maintenance activities in low lying areas. This involved work in connection with the maintenance of the storm water systems and gross pollutant traps to ensure that these were clear of debris and obstructions, and functioning effectively.

80. In the period from around October 2010 ICC was also engaged in close monitoring of the Marburg and Rosewood Detention Basins to ensure that there were no obstructions in the pipe work. The Detention Basins were the subject of regular inspections in accordance with the management plans for the basins, to the point that ICC engineers inspecting the Rosewood Detention Basin on Tuesday, 11 January 2011 became flood bound for a period of time as a result of the Rosewood township becoming isolated due to localised flooding in the area.

81. From around 23 December 2010 the Ipswich SES distributed approximately 11,000 sandbags to local residents from the four SES depots. The availability of sandbags was broadcast over local Ipswich radio and notified through the local media, as well as through the local ICC call centre. However, whilst the sandbags were of value to residents in low lying areas such as Thagoona, Rosewood and Marburg, which were subjected to overland flooding, and also of value in shoring up homes and business premises which were only subjected to minor inundation, they were of little assistance in the case of significant riverine flooding.

82. No temporary levees were established within the ICC area and such a step would be impractical.

ICC preparation for the emergency response

83. The ICC Coordination Centre was established on 7 January 2011, and steps taken to ensure that the centre was fully operational, equipped and that all critical systems were pre-tested. These included testing the auxiliary backup power, the communications systems, ensuring Coordination Centre specific computers had been allocated, as well as dedicated Coordination Centre phone lines with separate direct telephone numbers, the allocation of a dedicated LDC mobile phone to be passed between LDC's on changeovers, and other logistical support. With effect from 7 January 2011 the Rosewood Room was fitted out as an Operational Emergency Management Centre.

84. From the time of the 23-28 December flood event, the ICC call centre had resources in place to enable it to operate on a 24/7 basis as and when required. The ICC call centre moved to 24/7 mode from the morning of Tuesday, 11 January 2011 for the duration of the flood event.

85. An assessment had been made by ICC as to the availability of critical staff over the Christmas/New Year period. Key managerial staff were allocated to the Coordination Centre with responsibility for covering the areas of evacuation centres, community welfare, road networks and drainage assets, hydraulics, hydrological mapping, communications and call centre operations. Operations staff available to assist with necessary field operations, particularly for functions like road closures and ICC asset and infrastructure protection were also identified.

86. Contact lists of key managerial and operations staff were prepared, together with contact details for relevant support agencies, and copies of the contact lists were made available online and within the Coordination Centre.

Topic 3 - Emergency Management Queensland workshop

87. ICC was represented at the EMQ 2010 pre-season flood and cyclone workshop held at Kedron on Wednesday, 15 December 2010. This workshop was promoted as the SEQ Climate and Preparedness workshop. The ICC representatives were myself, Councillor Nardi, Mr Daryl Hickey and Mr Rasitha Perera. Mr Hickey and Mr Perera work within the ICC Asset Spatial and Hydrology sections of the Engineering Services department, with a particular focus on hydrological issues. Inspector Preston and Senior Sergeant Goodger from the DDMG also attended.

88. To my recollection the workshop involved the following presentations and activities:

- a presentation by BOM on the outlook for the summer season;
- a presentation by Seqwater in relation to the Wivenhoe Dam Release Management plan;
- presentations by the Brisbane City Council, Gold Coast City Council and Moreton Regional Council on some initiatives within those local authorities in relation to flood mapping and models; and
- a workshop exercise around regional alliances and collaboration in relation to local authorities managing and supporting each other in a crisis event.

89. The workshop was attended by representatives by a number of local authorities. My brief overview of the presentations follows.

BOM presentation

90. The BOM presentation was consistent with information which had been provided by BOM at an earlier EMQ/BOM pre-season outlook meeting held at Beenleigh on 13 October 2010. The EMQ/BOM pre-season workshop is an annual event at which BOM provides a weather outlook for the summer season. BOM reported that higher than expected rainfall was anticipated over the Christmas/New Year holiday period and through the summer months. It also predicted that up to approximately six cyclones might impact the Queensland coast, in particular the North

Queensland coastal areas over this period. I do not recall that there was anything raised in the BOM presentation on 15 December 2010 which gave rise to additional awareness or alarm in respect of the ICC area. The presentation was, as I say, consistent with the earlier EMQ/BOM season outlook briefing provided on 13 October 2010.

Seqwater presentation

91. This presentation involved an explanation by Seqwater on the Wivenhoe Dam Release Management Plan, and what this plan potentially means for the communities on the Brisbane River downstream of the dam. It was set within the framework of the application of the Release Management Plan in the case of a hypothetical event similar to the 1974 flood event.

92. The Seqwater representative, Mr Terry Malone (Principal Hydrologist) explained that the Release Management Plan takes into account a number of factors including levels within the Brisbane River, in flows into the Brisbane River (for example, from the Bremer River), the dam level, in flows into the dam, actual rainfall and predicted rainfall, and balances the impact of these factors so as to minimise the downstream impact.

93. It was explained that if South East Queensland experiences another "1974 type event" Seqwater will minimise the impact of the event as much as possible, but there may still be a point at which releases from the dam would have to be increased to ensure dam integrity, and there was discussion as to the potential downstream impact this might have.

94. A question was asked of the presenter that the questioner had understood that "the purpose of the Wivenhoe Dam was to prevent future flooding in Brisbane". The Seqwater representative responded, to the effect, that the "dam can mitigate the impact of flooding, and it achieves this by managing the flood event through dam releases, so that the flood peak is substantially reduced but the flood event may extend over a longer period of time".

95. The focus of the presentation was on the potential impact of releases on the Brisbane River and on the downstream suburbs adjoining the river. There was no suggestion in the Seqwater presentation that Bremer River levels could be impacted by Wivenhoe Dam releases.

Brisbane, Gold Coast and Moreton presentations

96. These presentations concerned, firstly, the Gold Coast City Council's initiative for the predictive modelling of flood events within the Gold Coast Region. This is presently an unproven application. ICC relies on BOM to undertake this modelling and to report to the Ipswich LDMG.

97. The Moreton Regional Council presentation concerned the use by Moreton of catchment studies to drive land use planning and works initiatives.

98. The Brisbane City Council presentation focussed on the continued development of its "floodwise" application, which is used during events to assist with management of operational Alerts for key infrastructure.

Workshop Exercise

99. This was an exercise involving a scenario whereby south east Queensland (as distinct from a particular area within south east Queensland) was impacted by a crisis event, and the workshop focussed on Councils' level of preparedness for such an event and how different local authorities might collaborate and provide support to each other in such an event. This was the first occasion that I had been involved in a discussion around scenario planning for such a multi regional event.

Assessment of the assistance gained by Ipswich City Council

100. (a) I did not learn anything new in relation to the BOM predictions for the coming summer season. This presentation did however confirm my existing understanding of the predictions for the season ahead;

(b) (i) The Seqwater presentation was, to my mind, presented on the basis that it was the management of the actual Wivenhoe releases that constituted the relevant event. Whilst it was discussed that the release plan took into account inflows into the Brisbane River below Wivenhoe, the plan as presented did not seem to have contemplated an event of the magnitude that actually occurred, in particular the impact of the substantial inflows that occurred from Lockyer Creek and the potential impact of the dam releases on the Bremer River;

(ii) the presentation focussed on the management of dam releases to mitigate and reduce the impact of a flood in the lower reaches of the Brisbane River. This plan appears to have been effective for the event experienced over the period 23-28 December 2010.

(c) (i) I found the workshop discussion around regional emergency management planning and cooperation particularly helpful. I consider this to be relevant in two respects. Firstly, if there was to be a major event impacting all of south east Queensland, how would the response to such an event be managed and resourced?

(ii) Secondly, if a very major event was experienced in one location (for example, a tsunami or major bush fire) what was the plan to manage such an event, and how might that location be supported by other local areas and how would that support be coordinated?

(iii) In my experience, current emergency management planning is focussed largely at the local level and this workshop raised, to my mind, important considerations of multi-agency and multi-locality support and collaboration. It also raised, in my mind, the utility of the DDMG/LDMG structure for local authorities such as Somerset Regional Council, which only has a relatively small number of officers and staff available to assist in a disaster event, and whether there may be an

improved structure and processes for supporting the requirements of areas such as Somerset in a crisis event.

Conclusion

101. I left this workshop with the thought that we may be facing an interesting wet season, but based on all that I had seen and heard I considered that Ipswich was reasonably well placed to manage a major event should this arise. I was already "on alert" as to the possible impact of the predicted rainfall on the Ipswich area, but nothing that I heard in this presentation gave rise to my having a heightened sense of alert.

102. I had no expectation, arising from anything that was said at this workshop, that releases from the Wivenhoe Dam could impact adversely on the Bremer River and on areas of Ipswich adjacent to the Bremer River. However, I was mindful that the dam release plan might not prevent flooding in the lower reaches of the Brisbane River and therefore suburbs of Ipswich such as Goodna, that are on the Brisbane River, might be impacted. However, the dam release strategy would have the effect of managing that impact by reducing the height in the Brisbane River, although the "trade off" was that the impact might extend over a longer period.

103. I left the workshop with a level of concern as to how well south east Queensland was prepared in terms of resourcing and logistics if we were to experience a major event impacting all of south east Queensland, and with a desire to progress on a more regular basis the discussions initiated at the workshop around the issue of regional collaboration, including targeted scenarios and outcomes.

Topic 4 - EMQ 2010 consultation sessions

EMQ session - 4 May 2010

104. ICC participated in the EMQ 2010 consultation sessions concerning the proposed changes to the *Disaster Management Act 2003* (Qld) (the Act). I attended this session, held at Beenleigh on 4

May 2010. I was the only ICC representative. Representatives from other local authorities were also present.

105. I did not consider this to be a consultation session, rather the purpose of the session was to present a "heads up" on the proposed changes to the Act. These were presented as a "fait accompli". ICC did not participate in the development of the proposed changes and, so far as I am aware, was not involved in consultation as to the proposed changes.

106. As a result of the proposed amendments there were to be changes in various responsibilities and roles. At the time of this session the amendments to the legislation were expected to be introduced to the Parliament in June 2010 and the legislation passed in September 2010.

107. Attendees at this session were informed that the State and EMQ would be scheduling subsequent training sessions to assist local authorities in giving effect to the operational changes which would arise consequent upon the amendments to the Act. In the case of Ipswich, this subsequent session took place on 20 December 2010, and has been addressed in my response to Topic 1 above. However, no such guidance was provided at the session on 4 May 2010.

Assessment of the assistance gained by Ipswich City Council

108. This was an information session concerning the proposed amendments to the Act, not a consultation session, and as such I gained limited assistance from attending the session. Following this session I prepared a memorandum to the Chief Operating Officer (Engineering Services) concerning the proposed changes to the Act, and included with this memorandum a summary of the proposed policy and legislative changes to the disaster management arrangements. Attached to my statement and marked **AKT-15** is a copy of my memorandum dated 12 May 2010 and enclosed summary.

109. This memorandum was considered by the Council at its meeting on 24 May 2010 and the recommendations contained in it were approved by the Council.

110. Once the changes to the Act were effected, I was aware that there would need to be a review of and changes to disaster management operations more generally as a consequence of the changes to the Act.

111. One aspect of the proposed changes that struck me as slightly incongruent was that such significant amendments were scheduled to take effect in September 2010 (as matters transpired they took effect on 1 November 2010), just prior to the imminent storm season. I expected such changes would be introduced at the end of the summer storm season so as to allow time for training and familiarisation in relation to the impact of the changes over a period of some months before the onset of the next storm season.

Topic 5 - Local State Emergency Service

Training and support for local SES

112. ICC is very active in its support of the local SES, and has provided this support over many years. The local SES Coordinator is a member of the Ipswich LDMG, and ICC sees the local SES as an integral part of the "front line" in the City's response to an emergency event.

113. Within Ipswich, the SES is capable of providing an immediate volunteer response to an emergency event. For example, in a major storm event the SES can provide an immediate response through the provision of sandbags, and in assisting in dealing with fallen trees, the impact of localised flooding issues and the such like. Without this SES support, ICC would have to employ or procure additional resources to deal with such matters.

114. The ICC support of the SES is manifested in the following ways:

(a) ICC is one of the few local authorities to fund a full time SES Coordinator, whose role is to liaise with the Council and with the Ipswich LDMG and to ensure sufficient SES volunteers are maintained so as to enable the local SES function to operate effectively. The Ipswich SES has approximately 200 volunteers within its ranks;

(b) ICC has provided and maintains four depots and related facilities (shed and amenities) at Ipswich, Goodna, Marburg and Rosewood for SES operations. ICC is currently investigating the upgrading of the Goodna depot;

(c) Ipswich has provided a fleet and other equipment to the local SES comprising:

- a 21 seater bus;
- 4 x troop carriers;
- 4 x 8 tonne trucks;
- 1 x Holden Rodeo ute;
- 1 x Nissan Nivara ute;
- 8 x mobile generators;
- 5 x special tarping trailers;
- 2 x welfare trailers;
- 1 x emergency operations caravan;
- 1 x coldroom;
- 4 x flood boats (including 2 provided by EMQ);
- 1 x water trailer - 1,200 litres;
- 2 x special water trailers with pumps and hoses - 1,500 litres.

115. ICC also allocates the local SES in the order of $40,000 per annum on a recurring basis for their "portable and attractive assets" comprising items such as equipment and ropes.

116. ICC does not provide training to the local SES. Whilst ICC supports the local SES operations, training is undertaken pursuant to a separate framework within the EMQ/SES relationship.

Assessment of the adequacy and timeliness of SES measures

117. I consider the local SES to be well supported and equipped. Although not directly involved in their training I consider the local SES to be well trained.

118. Because of the extent of the 2011 flood event, SES resources, as with the resources of all agencies, were very stretched. However, the SES provided invaluable assistance to ICC and to the Ipswich LDMG throughout the flood event.

119. Three areas relevant to SES operations which I have identified for further consideration arising out of the experience of the flood event are:

(a) firstly, the benefit of having in place a Memorandum Of Understanding (**MOU**) between EMQ and ICC as to responsibility for coordinating and directing SES operations during a disaster event, as this "boundary" became somewhat blurred during the flood event;

(b) secondly, as between the State and the local authority, formalising the funding and support arrangements for the local SES so as to ensure that the SES remains sufficiently resourced and supported; and

(c) thirdly, (and related to item (b) above) assessing whether the optimal model for SES operations and arrangements is a State based model or a local government model. This is of particular relevance where, as a result of a disaster event, SES support is required across a broad geographic area, covering many local authority areas, and in relation to which multiple events there are competing priorities for SES support.

Topic 6 - Ipswich City Council actions in advance of the flood event

120. Information as to local actions taken by ICC in advance of or in respect of the flood event in relation to resourcing, coordination and deployment of any personnel and equipment has been provided in:

(a) my response above to Topic 2 under the heading "ICC preparation for the emergency response";

and in the following sections of the ICC Submission:

(b) paragraph 8.12 in relation to establishing the Coordination Centre;

(c) paragraphs 9.24-9.32 in relation to road closures;

(d) paragraphs 9.48-9.55 in relation to protection of ICC assets and infrastructure; and

(e) paragraphs 10.9-10.25 in relation to the establishment of evacuation centres.

121. I refer the Commission to these paragraphs but do not repeat the information contained in them in this statement. In relation to this topic I make the following additional comments:

(a) at the Ipswich LDMG on 28 December 2010, although the LDMG reverted to the "Alert" status, all agencies represented on the Ipswich LDMG were requested to ensure that resources were available on short notice for the remainder of the Christmas/New Year period and ready to respond in the event of an elevation in status;

(b) arrangements were made for road signage which had been deployed for the 23-28 December 2010 event to remain "in the field" following the downgrading of that event for immediate redeployment if required, rather than returning this signage to the storage depot;

(c) prior to Christmas 2010 I spoke with the ICC Procurement Officer, Mr Wayne Bichel, to ensure that the Council held sufficient stores of emergency equipment in the nature of sandbags, signage, barrier mesh and the such like as may be required in the case of a flood event. By email dated 23 December 2010 Mr Bichel informed me that this request had been actioned. Attached to my statement and marked **"AKT-16"** is a copy of Mr Bichel's email;

(d) arrangements were made with Mr Hickey (who had planned to be on annual leave through January 2011, but as a result of the flood event cancelled his proposed leave), Mr Teece and Mr Perera, ICC officers in the Engineering Services

department with particular responsibility for monitoring the flood "Alerts" information being received in the Enviromon system as well as the information being received from BOM and Seqwater, to be on call over the summer holiday period. In addition, Mr Teece and Mr Perera were issued with two BlackBerrys (designated "Flood Alert 1" and "Flood Alert 2") to ensure that all members of the ICC hydraulics team (Mr Hickey as the ICC Asset and Spatial team leader already had a Council issued BlackBerry) were able to access and monitor information as it was received;

(e) arrangements were also made for the key members of the Asset and Spatial team, Mr Ashley Dobbie and Mr Peter Dowdle to be on call over the summer holiday period. Together with Mr Hickey, these were the ICC officers responsible for converting the flood information being received and interpreted by the hydrologists into "on the ground" impact mapping, so as to identify the areas of potential inundation. Based on this spatial mapping, notifications could then be issued to affected residences and businesses, as well as in relation to potential road closures;

(f) I have previously referred to my email of 7 January 2011 (AKT-1) requesting all agencies to review their levels of readiness and resourcing;

(g) at 11:00am on each of Tuesday, 4 January 2011 and Thursday, 6, January 2011 I attended the Ipswich DDMG office at Yamanto to participate in State Disaster Group briefings, which briefings also provided updates on the current BOM warnings and on the current and prospective flood affected areas; and

(h) from 28 December 2010 through to 10 January 2011 I kept all Ipswich LDMG members informed by email with regular current weather system, catchment summary and dam release updates. My email of 7 January 2011 (AKT-1) is an example of such updates. These emails were also sent by me to the ICC Chief Executive Officer, the Chief Financial Officer, the ICC Departmental Chief

Operating Officers and key ICC operations staff, for example the engineering officers responsible for road closures, the officers responsible for establishing evacuation centres and the officers responsible for media, the call centre and operations. By these emails all relevant Council officers were kept aware of the developing situation, which enabled them to be in a state of preparedness. These emails were also copied to all ICC Councillors so that the Councillors remained informed. Attached to my statement and marked **ATK-17** is a copy of the emails that I issued between 28 December 2010 and 10 January 2011. Following the reconvening of the Ipswich LDMG on 10 January 2011 to deal with the flood event, I replaced these regular email updates with the Sitreps that I commenced issuing with effect from 11 January 2011 (copies of these Sitreps are attached at ATK-6).

ICC business as usual

122. Whilst issues relevant to the flood event were being monitored and managed by the ICC officers engaged with the Ipswich LDMG and through the Coordination Centre, so far as possible ICC's operations had to otherwise continue on a business as usual basis. This occurred under the direction and supervision of the CEO, Mr Wulff. Throughout the event it was my responsibility to keep the CEO and senior Council officers updated, which I did through the regular issuing of Sitreps and through direct discussions.

Topic 7 - Ipswich City Council actions in response to the flood event

123. The local actions undertaken in relation to the immediate management and response to the flood event have been addressed in my response to Topic 6 and are not repeated here.

124. In terms of the actions undertaken in relation to recovery operations, these actions are comprehensively addressed in section 11.0 of the ICC Submission and are also not repeated in this statement. Section 11.0 of the ICC Submission addressed the roles and actions of both the short term ICC Recovery Task Force and the longer term Flood Recovery Working Group.

125. The Recovery Task Force was established by the Ipswich LDMG at its meeting at 8:00am on Wednesday, 12 January 2011. The task force operated from level 4 of the Hayden Centre. Mr Craig Maudsley, ICC's Chief Operating Officer Health Parks and Recreation was appointed Local Recovery Coordinator. The Recovery Task Force disbanded with effect from 31 January 2011 and was replaced with the Flood Recovery Working Group, which was established under the Ipswich City Local Recovery Plan.

Topic 8 - Vital infrastructure and essential services

ICC Submission

126. The ICC Submission addresses the following matters:

(a) at paragraph 4.9: the essential services of water, communications and power;

(b) at paragraphs 9.38 - 9.60: measures taken in relation to Council infrastructure; and

(c) at paragraphs 9.61 - 9.68: some particular matters relating to the provision of power;

during the flood event.

127. I will not repeat the information set out in the ICC Submission in this statement, but refer the Commission to those paragraphs of the ICC Submission. However, in relation to the matters addressed at paragraphs 9.61 - 9.68 of the ICC Submission, I do wish to emphasis three matters:

(a) firstly, due to the magnitude of the flood event, Energex resources were under extreme pressure, were working very hard, and were faced with a range of competing priorities which I have no doubt contributed to the difficulties identified in the ICC Submission;

(b) secondly, that at the ICC Engineering Services operations level and at the Ipswich LDMG level I have an effective and productive working relationship with the Energex representative to the Ipswich LDMG; and

(c) thirdly, I consider the key issues arising out of flood event to be those identified at paragraphs 9.62 (forward planning so as to ensure, insofar as it is reasonably practicable, that in a future flood event power can be maintained to those parts of the City that are not flood effected) and 9.68 (developing a clear understanding of the division of the roles, responsibilities and authorities as between the LDMG, the LDC and the relevant power utility) of the ICC Submission.

ICC Flood Coordination Centre

128. As has been previously addressed in this statement, prior to the flood event steps were taken to ensure that the Hayden Centre was adequately prepared to accommodate the flood Coordination Centre throughout the duration of the flood event. I do not repeat those comments.

129. Had the flood event in Ipswich reached a height of 24 metres (the flood peaked at 19.4 metres but at one stage on the evening of Tuesday, 11 January 2011, whilst very unlikely, a peak of 24 metres was not totally beyond the range of possibilities) the Hayden Centre would have been flood impacted and the Coordination Centre comprised. As a result, in conjunction with the Deputy Chair of the Ipswich LDMG, I had identified a contingency plan to relocate the Coordination Centre to the premises of the Ipswich DDMG at Yamanto Police Station, or to the Thorn Street, Ipswich SES depot. However, in the event, this was not required.

130. A learning for ICC from the flood event is to develop a business continuity plan for disaster management in a crisis event, and in particular to ensure that the Council has a viable continuity plan (including a back-up plan) for the maintenance of critical systems and infrastructure such as the Coordination Centre, the Enviromon monitoring system, telecommunications, power and computer systems during a crisis event.

Telecommunications

131. The Telstra exchange is located at the corner of East and Limestone Streets. Telstra has a representative who sits as an observer on the Ipswich LDMG. Following the Ipswich LDMG

meeting on the afternoon of Tuesday, 11 January 2011 I directed Coordination Centre staff to contact the Telstra representative to advise of the possibility of flooding, and to ensure that Telstra had safeguards in place to protect its essential infrastructure.

132. In preparation for the flood event Telstra took steps to sandbags its premises, as there was a concern of the possible overheating to essential equipment located on the first floor of the building. This floor is located below the projected flood levels and also below the 1974 flood level.

133. I also spoke with EMQ to access some satellite phones to be used by the Ipswich LDMG and by myself as LDC should telecommunications become unavailable. These satellite phones were procured and EMQ now has a store of satellite phones available for use if required in a future event. ICC is now considering the installation of satellite capabilities as a redundancy back-up for its ICT system during an emergency event.

134. The Telstra representative attended Ipswich DDMG meetings as an observer and kept the DDMG and myself as LDC updated throughout the flood event. In addition, Coordination Centre staff were in regular contact with Telstra. However, as it transpired, there were no issues with the maintenance of telecommunications services during the flood event. As a result of its experiences during the flood event, Telstra is investigating the relocation of essential equipment (air-conditioners and fuel reserves) to the third floor of the exchange. This floor is located above all previous flood heights.

Water and Sewerage

135. The essential services of water and sewerage are addressed at paragraph 4.9(a) of the ICC Submission. There were no major issues. Due to the nature of sewerage pump stations, these tend to be located in low lying areas and are susceptible to flooding. As the flood waters receded, primary treatment of sewerage resumed at the pump stations. However, due to the flooding of the Goodna and the Bundamba waste water treatment plants, it was some considerable time before secondary treatment of sewerage could be undertaken at these plants.

136. As a result there was the potential for increased adverse environmental risks in relation to the issue of untreated sewerage. This risk was closely monitored by Council Environment and Health officers following the flood event.

137. The treatment of sewerage would have been a more significant issue had the flood waters remained for a longer period of time, as the primary treatment of sewerage could not resume whilst the pump stations remained flooded.

138. The QUU representative attended the Ipswich LDMG meetings as an observer and kept the Ipswich LDMG updated throughout the flood event. I anticipate that as a result of its experience gained from the flood event, QUU will investigate plans for the enhanced protection of its pump stations and treatment plants in a future flood event.

Power

139. The following observations are an amplification of the matters addressed in the ICC Submission. Firstly, Energex took steps to cut off consumer access to the power grid as a safeguard against potential inundation and possible injury to the community. Although Energex was represented at the Ipswich LDMG meetings, ICC did not know in advance which parts of the City were being cut off, or when they were being cut off. As a result the Ipswich LDMG and the ICC had no means of alerting the community in advance of power cut-offs occurring. Energex sought to manage the provision of such information to the community through its own communications resources. The cutting off of power with limited (or in some cases no) advance warning resulted in significant community frustration.

140. Secondly, power was cut off to areas that were not inundated, including areas that were never at risk of inundation. An example addressed in the ICC Submission concerns the Polar Ice Works. The ice production facility was not inundated, but power to the facility was cut off as a precaution, due to inundation of adjoining areas. On Thursday, 13 January 2011 I asked Energex, through its representative, to restore power to this facility so that ice could be produced for the use of residents whose homes were without power. However, power was not

restored to the ice works until the early hours of Monday, 17 January 2011. The cutting off of power to areas that were not inundated, and were never at risk of inundation was also the cause of significant community frustration.

141. Conversely, when resources were available, Energex was able to respond in a timely manner. One example of this concerned the restoration of power to the Riverview Gardens Nursing Home once it was determined that the Home had not been affected by the flood. This enabled the residents to be returned to the Home, and allowed ICC to progress the closure of the Ripley evacuation centre.

142. In the context of forward planning for the management of any future flood event I consider it is important that Energex has plans in place which enable it to assess where the flood impact will occur, and mechanisms within its infrastructure which enable it to isolate the "at risk" areas from those areas that are not "at risk", so as to ensure that the supply of power is maintained to those areas which fall outside of the "at risk" zone.

143. The loss of power during a disaster event has a range of significant implications. Some of these are addressed at paragraph 9.67 of the ICC Submission, and are not repeated in this statement.

Food/Fuel

144. Ipswich did not experience any major issues with the provision of food or fuel during and after the flood event. Prior to the flood event there were some instances of "panic" buying by consumers, and during the event the Coles Supermarket within the Ipswich CBD was inundated.

145. However, in terms of resupplying supermarkets and fuel stations, the only impediment was access to those locations as a result of road closures. During the recovery process the ICC Procurement Manager worked closely with major suppliers to ensure restoration of the supply of food and fuel to the City as quickly as possible. This restoration of supply proceeded smoothly, and Ipswich did not experience a food or fuel crisis.

146. The only real issues with food supply were:

(a) in connection with the supply of food to the ICC evacuation centres, particularly on the evening of Tuesday, 11 January 2011. This issue is addressed at paragraphs 10.41 - 10.42 of the ICC Submission; and

(b) in connection with supply to the organic evacuation centres which were established at the Karalee State School and the Leichhardt Avon Community Hall following the isolation of those communities. Whilst those areas remained isolated food drops were carried out by SES boats and by four-wheel drive access.

Rail Transport

147. The Brisbane-Ipswich-Rosewood rail line closed on Tuesday, 11 January 2011. Some flood damage was sustained to rail infrastructure, particularly around the Goodna Railway Station. Following the flood waters receding on Thursday, 13 January 2011 the Brisbane-Darra rail line reopened, with bus transfers beyond Darra. On Sunday, 16 January 2011 a single rail line reopened and on Tuesday, 18 January 2011 the Brisbane-Ipswich-Rosewood line was fully reopened.

Roads

148. The Ipswich area sustained a considerable number of road closures as a result of inundation. This issue is addressed more fully in my comments below in response to Topic 11.

Bridges

149. The Ipswich City area is serviced by three major bridges:

(a) the David Trumpy (or "Town") Bridge: this bridge crosses the Bremer River and links the City of Ipswich to North Ipswich. The David Trumpy Bridge was not flooded but the approaches to the bridge on the town side were flooded, with the result that the bridge was closed for approximately 24 hours. With some inconvenience to motorists, the David Trumpy Bridge is able to be by-passed;

(b) the One Mile Bridge: this bridge crosses the Bremer River and links the City of Ipswich to the communities of Leichhardt, Walloon, Rosewood and beyond. It also provides access to the "secondary entrance", via the Three Mile Bridge, to the Amberley Air Force Base, the "primary entrance" being from the Warrego Highway. The One Mile Bridge and the Three Mile Bridge were inundated with the result that the bridges were closed for approximately 24 hours. The One Mile Bridge can be by-passed so long as the David Trumpy Bridge is open, but when both bridges are closed there are significant restrictions on access from Ipswich to the townships of Walloon and beyond; and

(c) the Bundamba School Bridge: this bridge crosses Bundamba Creek at the Bundamba State School on the main Brisbane-Ipswich Road. The bridge and its approaches were inundated with the result that it was closed for approximately 24 hours. The Bundamba School Bridge can be by-passed.

Conclusion - Essential Services

150. With the exception of the maintenance and reinstatement of the supply of power, during the flood event the City of Ipswich did not experience any major issues in relation to the preservation of vital infrastructure or in relation to the management, maintenance or reinstatement of the supply of essential services.

Topic 9 - Weather forecasts and flood warnings and public dissemination of that information

Sources of information concerning weather and flood forecasts

151. The sources of information to ICC and the Ipswich LDMG concerning weather and flood forecasts and warnings are:

(a) the BOM website;

(b) the official BOM weather and flood warnings;

(c) Seqwater reports and updates (these reports are also received by BOM);

(d) information recorded in the ICC Enviromon system from ICC Alert gauges (this information is also received by BOM); and

(e) local "field" intelligence communicated to ICC. This information is usually received through telephone calls from ICC staff, other Ipswich LDMG agencies and the community to the Coordination Centre and generally concerns overland flooding giving rise to road closures. Another source of "field" intelligence are the ICC survey staff deployed to visually monitor critical gauges, who also serve to verify Alert readings.

152. Although reliance is placed by ICC on all of these sources of information, the Council relies on the information provided by BOM and Seqwater as the authoritative sources of information regarding a developing flood event, dam releases and the likely impact of the event within the Council area.

153. The BOM weather and flood warnings include information as to the predicted Bremer River and Brisbane River heights. It is these river height predictions that underpin Ipswich LDMG decision making in relation to warnings to the community, evacuation plans, evacuation centres and road closures.

154. Paragraphs 8.4-8.6 of the ICC Submission address these weather and flood forecast information sources. Paragraphs 8.7-8.12 then describe the development of the flood event and paragraphs 9.1-9.9 address the notice ICC received as to the scale of the flood event. Schedule 5 to the ICC Submission is a comprehensive table which summarises the information received by the Ipswich LDMG from Monday, 10 January 2011 through to the Bremer River flood peak, which occurred at 1:00pm on Wednesday, 12 January 2011. Except where it is appropriate to do for purposes of context I do not repeat in this statement the information contained in those paragraphs of the ICC Submission.

BOM reports

155. Attached to my statement is a folder containing the following material:

ATK-18: an index of all reports that ICC has a record of having received from BOM between 7 December 2010 and 21 January 2011;

ATK-19: copies of the reports contained in the aforesaid index.

Seqwater reports

156. Attached to my statement is a further folder containing the following material:

ATK-20: an index which identifies:

(a) by those items which are not highlighted in the index, reports that ICC has a record of having received from Seqwater which are identified by Seqwater in appendix E to its report dated 2 March 2011 entitled "Report on the operation of Somerset Dam and Wivenhoe Dam" as situation reports 1-34 issued by Seqwater between 6 January 2011 and 19 January 2011;

(b) by those items highlighted in blue in the index, reports that ICC has a record of having received from Seqwater which are not identified by Seqwater in appendix E; and

(c) by those items highlighted in yellow in the index, situation reports identified in appendix E that are said to have been issued by Seqwater but that ICC is presently unable to identify as having been received by ICC;

ATK-21: copies of the reports received by ICC by Seqwater, being the reports that fall within categories (a) and (b) above.

Predicted levels of the Bremer River at the Ipswich gauge

157. At 12:36am on Monday, 10 January 2011 BOM advised a level of 4.1 metres rising at the Ipswich gauge and predicted further rises in the next 24 hours with at least minor flood levels expected in the Bremer River at Ipswich during Monday night and continuing into Tuesday.

158. At 6:30am on Monday, 10 January 2011 Seqwater issued a situation report (14) advising that the objective for dam operations was to minimise the impact of urban flooding in areas downstream of the dam and, at that stage, releases would be kept below 3,500m^3/s and the combined flows in the lower Brisbane River will be limited to 4,000m^3/s if possible. Seqwater advised that currently the estimated peak flow in the lower Brisbane River would be the highest since Wivenhoe Dam was completed in 1984 but still well below the 1974 levels. Seqwater advised that heavy rainfall continued throughout south east Queensland and the situation could deteriorate rapidly over the next 24 hours.

159. At 7:00am on Monday, 10 January 2011 Mr Hickey from ICC spoke with BOM by telephone, which predicted a "moderate" flood height for the Bremer River at Ipswich of approximately 8.2-8.3 metres, to be achieved by Tuesday afternoon. Following his conversation with BOM, Mr Hickey spoke with Mr Teece and myself, and we reviewed the potential impacts on Ipswich of this prediction. A flood peak of 8.3 metres might impact a small number of properties. It would not justify setting up an evacuation centre.

160. At 8.28am on Monday, 10 January 2011 BOM predicted a peak of at least 9.5 metres (moderate) at Ipswich during the early hours of Tuesday. In terms of its impact, a peak of 9.5 metres was not materially different to the earlier predicted peak of 8.3 metres.

161. At 10:00am on Monday, 10 January 2011 I telephoned the Seqwater flood desk and was informed by the duty engineer that the position had not changed from Seqwater's earlier advice with regard to dam releases.

162. At 12:16pm on Monday, 10 January 2011 Seqwater issued a situation report (15). The "impacts downstream of Wivenhoe Dam" and the "outlook" in this report were identical to the Seqwater situation report (14) issued at 6:30am that day.

163. At 4:17pm on Monday, 10 January 2011 BOM issued a report that the Bremer River at Ipswich was expected to reach about 12.7 metres on Tuesday afternoon and that higher levels were possible. A predicted flood peak of 12.7 metres had the potential to cause some minor flooding to approximately 80 properties. It did not justify the establishment of an evacuation centre.

164. At 6:13pm on Monday, 10 January 2011 BOM issued an update which included a prediction for the Bremer River at Ipswich in the same terms as its 4:17pm report.

165. At 6:43pm on Monday, 10 January 2011 Seqwater issued a situation report (16) that the flash flooding experienced in the upper areas of Lockyer Creek had been examined and was not expected to significantly increase Brisbane River flows above the current projection of 4,000m^3/s at Moggill. Seqwater advised that water levels in the lower Brisbane River would be impacted by the combined flows of Lockyer Creek, Bremer River, local run off and releases from Wivenhoe Dam, that heavy rainfall continued throughout south east Queensland and the situation could deteriorate rapidly over the next 24 hours.

166. At 9:44pm on Monday, 10 January 2011 BOM issued a report which contained the same prediction of approximately 12.7 metres for the Bremer River peak at Ipswich.

167. At around 11:00pm on Monday, 10 January 2011 I telephoned the Seqwater flood desk and was informed by the duty engineer that the position had not changed from Seqwater's earlier advice with regard to dam releases.

168. At 11:56pm on Monday, 10 January 2011 Seqwater issued a situation report (17) which was in essentially the same terms as situation report (16) except that Seqwater advised that consideration would be given to modifying the releases from Wivenhoe Dam to try to moderate the peak flows emanating from Lockyer Creek.

169. At 12:07am on Tuesday, 11 January 2011 BOM issued an update which did not change its predicted peak of 12.7 metres for the Bremer River at Ipswich.

170. At 4:07am on Tuesday, 11 January 2011 BOM issued a further report which again did not alter its predicted peak of 12.7 metres for the Bremer River at Ipswich.

171. At 6:12am on Tuesday, 11 January 2011 Seqwater issued a situation report (18) advising that releases from the dam had been held at a rate of 2,750m^3/s since 7:30pm on Monday, 10 January 2011 but that if further rainfall occurred dam releases may need to be increased and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000 m^3/s. Seqwater also advised that as a result of rainfall in the past 12 hours in the catchment above the dam, the option of modifying the releases from Wivenhoe Dam to try to moderate the peak flows emanating from Lockyer Creek was not possible. Therefore instead of decreasing releases to accommodate the Lockyer Creek flows, the strategy will endeavour to maintain the current releases until Lockyer Creek peaks.

172. At 8:00am on Tuesday, 11 January 2011, notwithstanding that the highest and most recent prediction from BOM for the Bremer River peak at Ipswich was 12.7 metres, the Ipswich LDMG observed that the predicted peak recorded on the BOM website for the Bremer River was 14.7 metres. In light of this website prediction the Ipswich LDMG converted its status to "Stand up level 1". A predicted Bremer River flood peak at Ipswich of 14.7 metres had the potential to impact 200-300 homes. Based on the Council's mapping information, a 14.7 metre flood peak would not result in evacuation centres having to be established, but the revised figure was concerning.

173. At 9:29am on Tuesday, 11 January 2011 BOM issued a report predicting the Bremer River at Ipswich was expected to reach about 16 metres during Wednesday and that higher levels were expected. I was surprised by the sudden increased prediction from 12.7 metres to 14.7 metres to 16 metres. The predicted flood peak of 16 metres constituted a major event and resulted in the

Ipswich LDMG initiating a range of urgent activities. These activities are detailed in the ICC Submission.

174. As no further prediction had issued from BOM, I telephoned BOM shortly prior to the Ipswich LDMG meeting held at 2:00pm on Tuesday, 11 January 2011 and was informed that the predicted flood peak for the Bremer River at Ipswich remained at 16 metres.

175. However, shortly afterwards, at around 3:00pm, the BOM website predicted a flood peak for the Bremer River at Ipswich of 18-19 metres. At 3:13pm I telephoned BOM to confirm the revised prediction appearing on the BOM website, and was informed that the predicted peak for the Bremer River at Ipswich was 22 metres and that higher levels were possible if rain continued.

176. At 3:24pm on Tuesday, 11 January 2011 BOM issued a revised prediction, confirming what I had been told in the telephone conversation at 3:13pm, that the Bremer River at Ipswich was expected to reach about 22 metres during Wednesday and that higher levels were possible as rainfalls continued.

177. At 8:06pm on Tuesday, 11 January 2011 BOM issued a report predicting that the Bremer River at Ipswich was expected to reach around 21.5 metres during Wednesday.

178. This prediction was repeated in a report issued by BOM at 12:19am on Wednesday, 12 January 2011 and in a further report issued by BOM at 4:03am on Wednesday, 12 January 2011.

179. In reports issued by BOM at 7:34am, 7:57am and 11:57am on Wednesday, 12 January 2011 the Bremer River peak was revised to 20.5 metres.

180. The Bremer River at Ipswich peaked at 19.4 metres at 1:00pm on Wednesday, 12 January 2011 and remained at that peak for approximately 4 hours.

181. Although Seqwater continued to issue situation reports from the afternoon of Tuesday, 11 January 2011 those reports were, in effect, superceded by the BOM predicted peak of 22 metres. Ipswich LDMG mapping indicated that a flood peak of 18-19 metres could potentially impact

over 6,500 properties and that a peak of 22 metres would be significantly more catastrophic than that.

Impact of the predicted flood peak and steps taken to disseminate information to the community

182. The predicted flood peak of 12.7 metres for the Bremer River at Ipswich remained constant from around 4:00pm on Monday, 10 January 2011 through to around 8:00am on Tuesday, 11 January 2011. Then, over the course of the next 7 ½ hours, the prediction increased from 12.7 metres to 22.0 metres.

183. The increase in the predicted flood peak from 12.7 metres to 16.0 metres between 8:00am and 9:30am on the morning of Tuesday, 11 January 2011 made it impractical for the ICC to use its call centre, or to undertake personal visits and door knocking to alert residents to the flood event threat. The sudden increase in the number of homes and businesses potentially impacted made telephone calls or personal visitations impossible.

184. Instead, a decision was taken by myself and the Deputy Chair, Councillor Nardi, to issue a warning to residents through the State's Emergency Alert System. Councillor Nardi and the EMQ representative on the Ipswich LDMG, Mr Mark Kelly, drafted a message. However, the drafting of the message had to be revised because of the changes in predicted flood peaks, as these changes then resulted in an increase in the impact area to which the message had to be issued.

185. The message was approved by Councillor Nardi and then passed to the Ipswich DDMG and subsequently to EMQ for approval, before it was finally issued at 3:24pm on Tuesday, 11 January 2011. A copy of this message appears at annexure 6 to the ICC Submission.

186. I am concerned that it took too long for the message to issue. This was in part due to the impact of the changing information as to the flood peak, in part because of the time taken to convert the flood information into lists of potentially impacted streets, and also in part due to the series of approval and logistical processes required to be undertaken to enable the Emergency Alert to

issue. The nature of an Emergency Alert is that it should issue quickly, and a learning from the flood event is that the procedures regarding the use of the State's Emergency Alert System should be reviewed to facilitate the more timely issuing of emergency messages, including the development of a suite of pre-drafted messages and impact maps based on a range of pre-modelled events.

187. In addition to using the Emergency Alert system, the primary and most effective means of conveying warnings to the community were through:

(a) the regular broadcasting of the updated BOM information over the radio;

(b) the very effective communication of the flood warnings, in particular by the Ipswich Mayor, Councillor Pisasale, through extensive radio interviews and also some television interviews;

(c) similar communication through radio and television by Councillor Nardi; and

(d) the regular broadcasting of the updated BOM information in television news broadcasts and updates, although it should be noted in this regard that the television reports were:

(i) quite "Brisbane centric", with the result that conveying the local "Ipswich message" was somewhat difficult; and

(ii) to many residents, reporting the predicted flood peak of the Bremer River at the Ipswich gauge was, in any event, a relatively meaningless reference unless the reference was placed in some other relevant context.

Topic 10 - The accuracy and timeliness of weather forecasts and flood warnings

188. The following comments concern the accuracy and timeliness of the information concerning the flood forecasts and warnings, and the effectiveness of the warnings for local purposes.

189. Firstly, the information contained in the dam release situation reports issued by Seqwater was quite uninformative and lacking in detail, insofar as any impact on the residents of Ipswich was concerned, and were of little relevance for local purposes. The information primarily relied on for local purposes was the BOM updates.

190. Secondly, with regard to the BOM updates, as has been noted, the nature of the information changed very significantly in a short period of time. To respond effectively to the flood threat the Ipswich LDMG needed to be notified of the prediction that the flood peak might increase to 22 metres as soon as possible. This would have enabled the ICC Hydrologists and Asset and Spatial team to carry out their mapping as to potential impacts at an early stage. This would have resulted in more effective warnings being issued, more time for residents to prepare their homes and protect belongings, more time to prepare evacuation centres, more time to attend to road closures, more time for businesses to implement business continuity arrangements, more time for ICC to protect its potentially affected assets and infrastructure and the such like.

191. It may be that, having regard to all of the variables with which it was dealing, the information provided by BOM was as accurate and as timely as was possible. However, I was concerned, in particular, at the lengthy delay, during what was really the peak of the crisis, between BOM issuing its report of a predicted peak of 16.0 metres for the Bremer River at Ipswich at 9:29am on Tuesday, 11 January 2011 and then not issuing another official warning until 3:24pm that afternoon. It was this delay which prompted my telephone calls to BOM at 1:56pm and at 3:13pm on Tuesday, 11 January 2011 to obtain updated predictions.

192. Whatever the explanation for the rapid escalation in predicted flood peaks from 8:00am on Tuesday, 11 January 2011, it would have been helpful to the Ipswich LDMG and for the City of Ipswich to have received additional warning and additional planning time. The increase from 12.7 metres to 22.0 metres over a short period of time had significant adverse implications for Ipswich.

193. As I have outlined in this statement, ICC and the Ipswich LDMG were well prepared for the pending flood event. It was the sudden "ramping up" of the predicted peak which was the issue, as it was only when the predicted peak extended beyond 12.7 metres that most of the required actions and response had to be initiated. As a result the Ipswich LDMG, the Council, relevant agencies and the community had to scramble to deal with the situation. My belief is that everyone concerned responded extremely effectively, but it would have been much better for everyone concerned if the response could have been effected in a more orderly fashion.

194. Thirdly, an issue for the Ipswich LDMG was its ability to interpret the BOM information. The Ipswich LDMG Hydrologists are aware of the impact of a Brisbane River flood event on the lower reaches of the Bremer River. Accordingly, the two relevant BOM predictions for Ipswich LDMG purposes are the predicted Brisbane River peak at the Moggill gauge, and the predicted Bremer River peak at the Ipswich (David Trumpy Bridge) gauge.

195. For flood modelling and impact analysis purposes during the flood event, the ICC Hydrologists used pre-existing flood impact maps for events of various magnitude at the two gauges to plot the theoretical impact of the BOM predictions. The first of these maps plots the predicted footprint of the Bremer River flood peak at the Ipswich gauge as a purely Bremer River event. The second map overlays the first, and plots the predicted footprint of the Brisbane River flood peak at the Moggill gauge. The impact of the Moggill peak on the Bremer River (and its tributaries) is more pronounced in the lower reaches of the Bremer River, downstream from the David Trumpy Bridge. In other words, the ICC Hydrologists take the two BOM predictions for the Ipswich and Moggill gauges and overlay the predicted Brisbane River impact on the predicted Bremer River impact to obtain a predicted event impact, adopting the David Trumpy Bridge as an arbitrary cut off point for the influence on the Bremer River of the Brisbane River event.

196. As I understand it, BOM, in providing its projected flood peaks, undertakes comprehensive modelling based on numerous factors, and the predicted peak of the Bremer River at the Ipswich gauge already includes, as part of the BOM modelling, a predicted impact of the Brisbane River

flood event on the Ipswich gauge. However, modelling the theoretical impact of the BOM predictions is not a precise science. By treating the peak at the Ipswich gauge as a purely Bremer River event, and then overlaying this with the theoretical footprint of the Moggill flood peak to model the overall regional impact of the event, the ICC Hydrologists are therefore adopting a conservative (worst case) approach to the potential impact.

197. Finally, in terms of the effectiveness of the warning forecasts for local purposes, I repeat the learning mentioned earlier in this statement, and also identified at paragraphs 13.18-13.26 of the ICC Submission, that warnings by reference to flood peaks at particular gauges are meaningless to the majority of the community.

198. Information of the kind issued by Seqwater that Wivenhoe Dam releases will keep flows in the lower Brisbane River below 3,500m^3/s, 4,000m^3/s or 5,000m^3/s is even less meaningful to Ipswich residents.

199. For these warnings to be effective there either needs to be change in the nature of the information disseminated, or the information needs to be converted through some process so that what is provided to the community is information that the community can readily understand and respond to. In this regard ICC is presently investigating being a "pilot" region for possible implementation of the coastal evacuation framework into a riverene environment.

Topic 11 - Measure to protect life and private/public property

200. Local measures undertaken to protect life and public property in connection with the flood event (such as road/bridge closures, evacuation arrangements etc) are detailed in the ICC Submission and I do not repeat those matters in this statement:

(e) paragraphs 9.24-9.32 of the ICC Submission addresses the issue of road closures and reopenings;

(f) paragraphs 9.38-9.60 address the protection of Council's assets and infrastructure; and

(g) section 10.0 addresses the issue of evacuation centres.

201. The Ipswich LDMG Sitreps that were produced and issued throughout the duration of the flood event (AKT-6) include current lists of road closures. As I have explained in this statement, these Sitreps were widely circulated, including to the ICC call centre and to the ICC Media Manager, Mr Alan Roebuck. Mr Roebuck then issues the road closure information to the media and to the RACQ.

202. Dissemination to the community during the flood event of information as to road closures and evacuations centres was primarily effected through:

(a) the media, particularly ABC radio and the local Ipswich radio station, River 94.9FM;

(b) the ICC call centre, which operated 24/7 during the flood event and was kept fully updated with all relevant information; and

(c) posting the information on the ICC website (although, as noted at paragraph 9.9(e) of the ICC Submission, the ICC website was down between 11:00am and 1:30pm on Tuesday, 11 January 2011 as a result of the high number of hits it was experiencing).

Topic 12 - Rescues and evacuations

Voluntary Self-Evacuations

203. In total approximately 2,000 Ipswich residences were evacuated during the flood event, as well as number of aged care facilities and businesses. The vast majority of evacuations effected in the Ipswich area were voluntary self-evacuations.

Assisted Evacuations

204. There were also some assisted evacuations conducted by the QPS or by the SES. These evacuations were conducted on Tuesday, 11 January 2011 and Wednesday, 12 January 2011,

primarily in the townships of Rosewood and Marburg (on 11 January 2011) and in the suburbs of Karalee, Bundamba, North Booval and Goodna. I am not aware of the overall number of assisted evacuations, but do not believe the number was substantial.

205. I am not aware of any particular issues or incidents in relation to assisted evacuations other that in a number of instances, particularly in the Goodna area, some residents initially declined QPS or SES requests to evacuate, only to then be the subject of an assisted evacuation some hours later.

Rescues

206. I am not aware of any rescues being effected in the Ipswich area.

Karalee Medical evacuation

207. I am aware however of an issue which arose concerning a request for the urgent evacuation of four people from the Karalee Evacuation Centre on medical grounds.

208. During the course of the flood event, an "organic" evacuation centre was established by the QPS at Karalee State School, as the Karalee community had become isolated by the flood event.

209. On Wednesday, 12 January 2011 a QPS officer at the Karalee Evacuation Centre contacted the Ipswich Coordination Centre advising that there were four people at the Karalee Evacuation Centre who required urgent medical evacuation for medical attention.

210. Despite concentrated efforts through the QPS and QAS to secure helicopter assistance to effect this evacuation, the Coordination Centre was unable to secure a helicopter to effect the evacuation. I understand the issue was only resolved some considerable hours later when a helicopter attended at the Karalee Evacuation Centre to provide supplies and a Police Officer stationed at the centre coerced the helicopter pilot to evacuate the patients.

211. An issue for future consideration which arises more generally from this incident concerns the arrangements and processes for the procurement and deployment of helicopter support in the

case of a crisis event or medical emergency. Particularly in the case of Ipswich, which has the Amberley Air Force base located within its local authority area, and a representative of the Australian Air Force (**RAAF Amberley**) sitting as an advisor to the Ipswich DDMG, the issue which arises is the circumstances in which the Amberley Base Commander could consider a request from the Ipswich DDMG for the provision of helicopter support.

212. As part of the Ipswich DDMG debrief following the flood event, the EMQ representative on the Ipswich DDMG indicated that for short term (less than 24 hours) urgent deployment requests such assistance, if available, could be deployed by RAAF Amberley in direct response to a request for assistance from the Ipswich DDMG. However, requests for more sustained or longer term assistance would have to be processed through the usual disaster management request for assistance approval processes.

213. This is an issue which will be further considered by the Ipswich DDMG and by the Ipswich LDMG, as the provision of such support would be very relevant to future management planning for the carrying out of rescues and evacuations in a crisis situation.

214. In the case of the flood event, with the exception of the Karalee incident described above, I consider the processes for the carrying out of assisted evacuations to have been adequate and timely. As noted, I am not aware of any rescues having been effected in the Ipswich area.

Topic 13 - The establishment, operation and performance of evacuation centres

Overview

215. The position with regards the circumstances of the establishment and subsequent operation and performance of evacuation centres within the Ipswich local area, including an assessment of any particular difficulties encountered, is addressed in detail in section 10.0 of the ICC Submission (paragraphs 10.1 - 10.75) and also at paragraphs 13.45 - 13.46 of the ICC Submission. I refer the Commission to the matters detailed in the ICC Submission and do not repeat the information set out in the Submission in this statement.

Additional observations regarding evacuation centres

216. By way of a supplement to the matters addressed in the ICC Submission I only wish to make the following points.

217. The Ipswich LDMG had been on stand-by to proceed with the establishment of evacuation centres, if required, for a considerable period of time. The prospect of evacuation centres was very much a front of mind issue. However, evacuation centres are resource intensive, requiring the coordination of a large number of support agencies (comprising both professional support and voluntary support) and the decision to establish an evacuation centre is not one which should be made lightly, or prematurely.

218. As previously described in this statement, following the Ipswich LDMG meeting on 26 October 2010, steps had been taken to secure the availability of the Ipswich Showground as an evacuation centre if required.

219. In addition, Ms Brooke de Jong, who as the ICC Home Assist Program Coordinator would be directly involved in establishing evacuation centres, had attended the Ipswich LDMG meetings on 23 December 2010, 27 December 2010 and 28 December 2010 as an observer. Ms de Jong had also been sent my email of 7 January 2011 (attachment AKT-1) advising of the change of status of the Ipswich LDMG from "Alert" to "Lean Forward One" and requesting all agencies to review their level of readiness.

220. Ms de Jong had also been in attendance at the two Ipswich LDMG meetings held on Monday, 10 January 2011 and at the 8:00am meeting of the Ipswich LDMG on Tuesday, 11 January 2011. Ms de Jong was ready to assist with the establishment of evacuation centres if and when required.

221. However, the issue that was the cause of the initial "teething" difficulties with establishing the evacuation centres was the extreme urgency with which the requirement to establish them arose, consequent upon the projected flood peak in Ipswich moving from 12.7 metres at the

commencement of the Ipswich LDMG meeting at 8:00am on Tuesday, 11 January 2011 to 16.0 metres at 9:30am that day and then to a prediction of at least 22.0 metres by 3:24pm that afternoon. At a projected peak of 12.7 metres, minor flooding would be sustained to approximately 80 properties. This level of flooding did not justify the application of the resources involved in the opening of an evacuation centre. However, the 9-10 metre increase in the projected flood peak over a seven hour period on Tuesday, 11 January 2011 dramatically altered the situation and resulted in the evacuation centres having to be established and resourced very urgently.

222. Notwithstanding this urgency and the initial "teething" difficulties detailed in the ICC Submission, the centres, on the whole, functioned very successfully. For any future event the key issue is to obtain more timely projections of the likely flood peak, as effective decision making in relation to evacuation centres is dependent on this information.

223. My only additional comments in connection with evacuation centres are that:

(a) the Ipswich LDMG plan had been to use the Ipswich Showgrounds as the central location at which evacuees were received, with a view to then bussing evacuees to other evacuation centres, as appropriate. By this means, for example, the aged and infirm evacuees could be concentrated at the Ripley Community Evacuation Centre, while families could be transported to one of the Grammar Schools. However, as the event unfolded, the proposal that the Ipswich Showgrounds be utilised as the central reception point did not work as efficiently as had been hoped for. Part of the difficulty was that the media published the location of all evacuation centres, with the result that evacuees turned up at all of the centres. In the case of planning for a future event, further consideration should be given to this issue, as I consider there to be considerable benefits which arise from the reception and processing of evacuees through a central reception point;

(b) an evacuation centre was also established by the SES and QPS at the Rosewood State High School on Tuesday, 11 January 2011. This evacuation centre is not referred to in the ICC Submission. ICC was initially unable to support this evacuation centre as the Rosewood district had become isolated by the flood event; and

(c) a critical period for resourcing evacuation centres is the initial 12/24 hour period of the event. To better manage this initial phase in any future event:

(i) ICC is seeking to establish a MOU with the Red Cross as to the respective roles and responsibilities of ICC and the Red Cross in relation to evacuation centre management;

(ii) the Red Cross is taking steps to increase its local volunteer base and to provide enhanced skills training to that volunteer base so that local Red Cross personnel are available to provide immediate "on the ground" assistance and support in the initial 12/24 hours of a crisis event; and

(iii) Council is liaising with the State Government Procurement Agency to increase ICC's local logistics capability during emergency events. The purpose is to ensure that ICC has the capability to readily source essential supplies (for example bed, linen, food, water etc) as quickly and efficiently as possible in an emergency event.

Topic 14 - The circumstances of any flood related human fatality

224. There was one flood related human fatality in the ICC local government area. This fatality occurred at Campbells Gully on the Karrabin-Rosewood Road on Wednesday, 12 January 2011.

225. I am not familiar with the circumstances of this incident and am unaware of any eye witness to the incident. The incident is under investigation by "Task Force Galaxy" in preparation for a coronial investigation.

226. This incident is addressed at section 12.0 of the ICC Submission. If as a result of the coronial investigation there are any measures identified to prevent or better respond to such an incident, these measures will be taken into consideration and addressed by ICC.

Topic 15 - The involvement of State and Federal agencies during the flood event

Federal Agencies

227. The only Federal agency with whom I had dealings during the flood event was the Department of Defence (RAAF Amberley). As is noted at paragraph 11.13 of the ICC Submission, the Australian Defence Force provided extraordinary support to the Ipswich community, particularly in connection with the recovery and clean-up effort.

State Agencies

228. The timeliness of support by various State agencies was largely a factor of the level of resources the agencies had available. Because of the extensive nature of the flood event throughout southern Queensland, the resources of most State agencies were extremely stretched. Despite this, overall the response of State agencies throughout the flood event was excellent, particularly in the context of the magnitude of the event and the resources available. The "people on the ground" from all agencies made a wonderful contribution. Notable emergency response measures included:

(a) **Queensland Police Service** - the QPS provided significant support in establishing and managing the Karalee evacuation centre, effecting evacuations (notably in the Karalee, Goodna and North Booval areas), as a source of information to the community and as a source of support and advice to me during the course of the flood event. QPS was also very effective in initially coordinating the ADF recovery activities in the Karalee and Barellan Point localities;

(b) **Queensland Fire and Rescue Service** - QFRS worked tirelessly throughout the flood event and their rapid impact assessment immediately following the event provided an invaluable initial picture of the impact of the event on the community;

(c) **Emergency Management Queensland** - the EMQ representatives provided invaluable advice and support to me during the response phase and EMQ provided experienced staff to assist in the recovery phase. Within the EMQ framework, SES undertook 1,400 jobs locally, including effecting assisted evacuations, particularly in Rosewood, Goodna, Karalee and North Booval;

(d) **Queensland Ambulance Service** - QAS assisted with the transfer of aged evacuees to alternative nursing home facilities and to the Ripley evacuation centre, and provided ongoing support at evacuation centres for the duration of the event;

(e) **Queensland Health** - the Ipswich Public Health Officer worked tirelessly throughout the event and Queensland Health provided significant support to the evacuation centres and to the community more generally. The only issue experienced was the incident described at paragraph 10.70 of the ICC Submission;

(f) **Department of Communities** - DCS provided excellent support in both the immediate response phase, and in the recovery phase following the flood event. This support was especially appreciated as it was provided notwithstanding DCS had been made homeless in Ipswich by the flood event and its resources were very thinly stretched across the State.

Assessment of the adequacy and timeliness of emergency response services

229. I have already observed that the major factors impacting on the adequacy and timeliness of the response of State agencies were the extent of the flood event being experienced and the limited resources available. In the case of agencies such as QPS and EMQ, the availability of resources

was also impacted by the terrible events experienced in the Lockyer Valley and Toowoomba on Monday, 10 January 2011.

230. However, in relation to broader systemic issues impacting on the adequacy and timeliness of support, I make the following three comments.

231. Firstly, I consider the effectiveness of the response to a crisis event would be enhanced by a representative of the relevant State agencies being present in the Coordination Centre for the duration of the event. This did not occur during the flood event. Representatives of the various agencies attended at the Hayden Centre for the purpose of Ipswich LDMG meetings, but following the meeting, many then left the Centre to attend to their own issues. This impacted adversely on communications, with consequential delays, as it resulted in communication with relevant agencies having to generally be conducted by telephone.

232. Had representatives of all agencies been permanently available in the Coordination Centre, to be consulted on a "face to face" basis, this would, to my mind, have significantly enhanced the adequacy and timeliness of the response to the flood event. I appreciate however that with limited resources, this may be a goal which is simply not logistically achievable.

233. Secondly, there is a material difference in the geographic areas of responsibility for the various agencies, and their areas of responsibility do not mirror the area for which ICC and the Ipswich LDMG are responsible. For example, the area of responsibility of the local branch of DCS extends as far as Roma and St George. Because of this disharmony in areas of geographic responsibility, there are inevitable competing priorities for agency resources.

234. Thirdly, delays were experienced in the Ipswich LDMG receiving a response to requests for assistance (RFA). The process is that RFAs are issued by myself to the DDC who refers the request to the State. This is a somewhat cumbersome process. An RFA is not issued unless support is needed. However, once a RFA issued, I had considerable difficulty in obtaining information as to who would respond to the RFA and when the response would occur.

235. The practical reality, in the case of Ipswich, is that if the Ipswich LDMG cannot resource a requirement locally, it is highly probable that the Ipswich DDMG, which oversees the Ipswich and Somerset areas, will also be unlikely to have the capability to resource the request, and the request will then be referred to the State.

236. As a means of more effectively addressing this issue:

(a) I have previously detailed in this statement the benefits which I consider could be gained from the implementation of a fully integrated Statewide common ICT system in "tracking" the current status of RFA's;

(b) within Ipswich, our procurement officer is looking to develop a process whereby, at a local authority level, we can directly access the State's procurement processes and contracts so as to support local requirements in a crisis event, thereby side-stepping the Ipswich DDMG in terms of satisfying resource requirements. I have discussed this proposal with the Ipswich District Disaster Coordinator who is not uncomfortable with this initiative, as he recognises the limitations on the ability of the Ipswich DDMG to assist the Ipswich LDMG with its resource requirements during the course of a crisis event. I consider that having in place protocols which would enable local government to directly access the State's procurement processes to assist in meeting resource requirements during a crisis event would be a significant step in enhancing the adequacy and timeliness of such support.

237. Because of these logistical difficulties, the Ipswich LDMG limited its requests for assistance during the flood event, and sought to satisfy as many requirements as possible by accessing local resources.

238. Attached to my statement and marked **ATK-22** are copies of the requests for assistance which were issued by the Ipswich LDMG to the Ipswich DDMG during the course of the flood event.

Topic 16 - Communications within the disaster management hierarchy

239. I am unaware of any directions given by the DDC during the flood event.

240. As LDC, I had no dealings with the State Disaster Coordinator during the course of the flood event. I am aware, however, that Councillor Nardi, as acting Chair of the Ipswich LDMG, and the Ipswich DDC participated in daily conference calls with the State Disaster Coordinator during the course of the flood event. I understand these conference calls to have been in the nature of briefing sessions, in which updates were provided by the Ipswich DDMG and by the Ipswich LDMG.

241. I also had no direct dealings with the State Recovery Coordinator. I did however receive a request from EMQ to provide EMQ with a copy of the Ipswich Local Recovery Plan for forwarding to the State Recovery Coordinator. I provided an initial draft of the recovery plan to EMQ in response to this request. Attached to my statement and marked **AKT-23** is a copy of the current draft ICC Local Recovery Plan.

242. I have previously addressed in Topic 15 some aspects of coordination between the Ipswich DDMG and the Ipswich LDMG, particularly in the context of requests for assistance during an emergency event. I do not repeat those comments in this section of my statement.

243. On 2 March 2011 I participated in a formal debrief of the flood event conducted by the Ipswich DDMG. Annexed to my statement and marked **AKT-24** is a copy of the report produced by the Ipswich DDMG following this debrief.

Topic 17 - The adequacy of equipment and communication systems

244. This statement and the ICC Submission (particularly at paragraphs 8.12, 9.6 and 9.9) have largely addressed the adequacy of equipment and communications systems in the local Ipswich area during the flood event.

245. In the overall circumstances, I assess the adequacy of the equipment and communication systems to have been very good. Ipswich was well prepared for the event, with the Coordination Centre having been established, tested, resourced and fully operational from Friday, 7 January 2011.

246. The ICC call centre operated on a 24/7 basis from the morning of Tuesday, 11 January 2011 for the duration of the flood event.

247. The ICC catchment Alert gauges functioned effectively throughout the duration of the flood event, sending information to the Enviromon system which also operated effectively for the duration of the event.

248. A significant issue in terms of communications support for Ipswich was that the ICC call centre was able to step in to support EMQ when the 132500 SES contact number went down for some hours on Monday, 10 January 2011. EMQ arranged with the telecommunications service provider for calls to this number to be diverted to the ICC call centre. Call centre operators were able to take the details of calls and email these to EMQ so that the SES contact number was able to operate effectively until this problem was rectified.

249. To my mind there were only three negative issues in terms of the adequacy of equipment and communications systems during the flood event:

(a) as has been previously mentioned, at approximately at 11:00am on Tuesday, 11 January 2011 the ICC website went off line for approximately 2 ½ hours as a result of the high number of hits it was experiencing;

(b) there was a software problem with the mapping component of PD Online which made it difficult to bring up maps from links on the ICC website. This issue had been identified by ICC before the flood event, and was rectified on about Thursday, 13 January 2011; and

(c) as a result of the flooding of the Riverview Depot, some road signage was unavailable to Council during the event.

Topic 18 - The adequacy of the Community response

250. The response by the Ipswich community during the flood event was inspirational. Community behaviours which had a particular impact on me include:

(a) the extraordinary contribution by volunteers across a range of areas. Volunteer support was particularly significant in:

(i) supporting the operation of evacuation centres, being both the ICC evacuation centres and the organic centres;

(ii) assisting neighbours with evacuations. Particularly noticeable was the feature that community members who had experienced the 1974 flood event were door knocking neighbours and encouraging them to take steps to evacuate and safe guard their belongings, and assisting their neighbours to do so; and

(iii) assisting with the clean-up of the City following the passing of the flood peak.

(b) the generosity of community members in providing food, clothing, and taking evacuees, in some instances total strangers, into their homes. A feature of the evacuation centres was car load after car load of food, clothing and other necessities being dropped by community members at the evacuation centres;

(c) supporting, in particular, the isolated organic evacuation centres established in local churches and community centres and assisting fellow community members to be comfortable in that environment.

251. ICC maintained a record of flood related assistance offers received by the Council. As at 1 February 2011 these included:

- 73 donations;
- 1129 registered volunteer offers direct to ICC by telephone;
- 310 registered volunteer offers direct to ICC via website;
- 1104 registered volunteer offers via Volunteer Queensland;
- 81 fee for service approaches;
- 177 various service offers via LGAQ;
- in excess of 30 various offers of services to the Ipswich LDMG via the State Disaster Coordination Centre.

252. The community spirit demonstrated by the Ipswich community in response to the flood event was overwhelming and inspiring.

253. There were certain small elements of the community who did not prepare for the event in the way that the majority of the community prepared, perhaps because they did not appreciate the significance of the event they were facing. An example of this is addressed in the ICC Submission, concerning residents of aged care facilities and nursing homes being left at evacuation centres without proper medication and other medical necessities. The ICC Submission also includes reference to the feature of some community members disregarding road closure signage.

254. However, these examples in no way undermine what was, in totality, the overwhelming goodwill, neighbourly support and encouragement demonstrated by the Ipswich community in its response to the flood event.

Topic 19 - Proposed mitigation measures for future flood events - to be addressed in a supplementary statement.

Topic 20 - Special geographic considerations relevant to Ipswich - to be addressed in a supplementary statement.

Topic 21 - Areas of particular difficulty or which may require practical or legislative change to improve future disaster management in Ipswich - to be addressed in an supplementary statement.

Dated this 6th day of April 2011

[redacted]

.....

Anthony Keith Trace

From: Tony Trace
Sent: Friday, 7 January 2011 10:48 AM
To: [redacted]

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: RE: Severe Weather Warning for Southeast Coast

Catchment Update:

So far today we have received 10mm across Ipswich City from Rosewood to Greenbank, with nothing falling in the upper catchments. While we have seen most of the stream activity expected and have strated to see levels fall in the upper reaches, with peaks nearly reached at 3 Mile and 1 Mile below minor flood levels, we may see some further small rises as localised run-off enters the streams. Further rainfall is expected as the weather system continues to move inland.

The following **road closures are still in place** at the moment. The relevant road signage has been put in place to advise the travelling public. Inspections are being undertaken throughout the network to determine the status

~~Strong's Road Lanefield (Strong's Bridge)~~

HIddenvale Road	Hiddenvale	(Cummins Bridge & Floodway)	**OPEN**
Ipswich Rosewood Road	Rosewood	(7 Mile Bridge)	**OPEN**
Rosewood Warrill View	Rosewood	(Spressers Bridge & Floodway's)	**OPEN**
Haigslea Amberley Road	Amberley	(5 Mile Bridge)	
Albert Street	Goodna		
Sydney Street	Brassall		**Open**

Also, Colleges Crossing was closed @ 8:30am (Note: given the rainfall in the lockyer and upper Brisbane catchment as well as the level of predicted rainfall, it can be expected that the crossing and park will remain closed until late next week as releases from Wivenhoe Dam are increased back to previous levels around the 1500m3/sec.)

Maintenance Crews are attending to severe potholes, focusing on the City's strategic road network.

Forecast:

Further to the forecast provided this morning, please find attached further forecast data below - of particular importance is the predicted levels of rainfall expected over Sunday (approx 100mm) and further falls of 50mm daily on Monday and Tuesday. Given the current saturation of the catchments, this level of rainfall will see a high liklihood of increased occurance of flooding.

☒

LDMG Status:

Given the forecasted rainfall, the Deputy Chairperson has requested that the LDMG level of activation will be moved from "alert" to *LEAN FORWARD ONE*.

As such, member agencies are requested to review their level of readiness, including recourcing levels and availability.

LDMG members are notified that they should be prepared for the possibility of being required to attend full brieging meeting on Sunday or Monday, depending on how this weather system develops.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

Date: Tuesday, 2 February 2010
Time: 2.00pm – 4.00pm

Rosewood Room
Level 1, Hayden Centre
37 South street
Ipswich Qld 4305

Attendees: Appendix A – Attendee List

Meeting Opened: 2.03pm

Apologies: Mayor Paul Pisasale , Tony Trace, Pam Lane

Confirmation of Minutes: Moved by Robbie Goodger

Minutes 10 November 2009

Seconded by Annabelle Johnstone

1. **Correspondence Received:**
   - Email from Michael Dickinson – Noted

2. **Correspondence Sent:**
   Nil

3. **Management of Local Disaster Management Plan**
   - Funding application has been submitted for the updating of the plan through the new Natural Disaster Resilience Program (NDRP).

4. **Consideration of Reports by**
   a. **Executive Officer (LDMG)**
   Short exercises are planned for 2010 to test
   - Current LDMG Plan
   - Detention Basin Operation Plan

   The District Community Recovery Committee is holding a "exercise" on the 3 February 2010, which will be attended by council officers.

   Council continues to investigate options for the use of "mobility" functionality as part of its emergency response/recovery activities.

   Council is investigating the use of "Twitter" as part of its communication strategy during events. See "Social Media helping Emergency Management" final report to the Government 2.0 taskforce.

Council is implementing better practice in terms of using 2–flow modelling and LIDAR study information to better inform hydraulic decisions.

Applications prepared for the New Disaster Resilience Program are:

- Feasibility Study for Flood Surveillance Cameras
- Increasing the Flood Resilience of Greater Thagoona
- Upgrade at Greys Plains Road, Mount Mort
- Flood Resilience of the Lower James Street area, Goodna – Planning Study
- Update of Ipswich Natural Disaster Risk Management Study and Ipswich Disaster Management Plan Phase 1
- Increasing the Flood Resilience of Rosewood Township

b. SES Local Controller

Training sessions are held weekly at the four groups. Training is conducted on four basic blocks. The blocks are 'Storm', 'Flood', 'Rescue' and 'Search'.
As reported previously the unit together with all units in Queensland have received a new computer program 'Request For Assistance (RFA) on line'. The program has now been implemented fully and we have used it on a number of incidents. Weekly training courses for RFA are held both outside and during normal training.

As reported previously every time it rains we still receive requests for emergency roof covering for houses still suffering damage from storms at the end of 2008 and from storms in 2009. We feel householders were not properly insured or insurance companies are dragging their feet.

Most of our calls are from people with gutters and valleys filled with leaves causing the water to run back into the ceilings.

To date the Ipswich District has had a relevantly quiet quarter with a few minor storms passing through the district.

In the quarter the unit had 59 activations involving 448 members working 2062 hours.

5. General Business

Cr Nardi, made special mention of the contribution of Andrew Underwood who passed away in November 2009.

QFRS – Major exercise to be held at QR Redbank on 26 March 2010.

6. Proposed Future Meetings

Tuesday, 4 May 2010
Tuesday, 3 August 2010
Tuesday, 9 November 2010
Tuesday, 1 February 2011

Meeting Closed 2.30 pm.

Attendee	Organisation	Group Composition	Contact Numbers		Email Address
			Land Line	Mobile	
Councillor Trevor Nardi	Ipswich City Council	Deputy Chair	[redacted]	[redacted]	[redacted]
Arie van den Ende	State Emergency Services, Local Controller	Member			
Neil Vellacott	Network Performance – Energex	Proxy			
Robbie Goodger	QPS – Ipswich District	Proxy			
Annabelle Johnstone	Department of Communities	Observer			
Heather Luck	Department of Communities	Observer			
David Preston	QPS – Ipswich District	Proxy			
Mark Kelly	EMQ SER	Proxy			
Bruce McCoist	QFRS	Member			
Innes Askew	QAS				
Annette Schoone	Ipswich City Council				
Iain Burns	Ipswich Hospital	Member			
Deryck Taylor	EMQ SER	Member			
Ross Drabble	Ipswich Council	Proxy			

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

Date: Tuesday, 20 May 2010
Time: 2.00pm – 4.00pm

Rosewood Room
Level 1, Hayden Centre
37 South street
Ipswich Qld 4305

Attendees: Appendix A – Attendee List

Meeting Opened: Midday

Apologies: Mayor Paul Pisasale, Craig Smith, Karen Gosselin, Annette Schoone

Confirmation of Minutes: Moved by Trevor Nardi

Seconded by Annabelle Johnstone

1. **Correspondence Received:**
   - Summary of Changes to Disaster Management Act
     - Increased operational role proposed for QPS, correlating with a role variation for EMQ, during the response to a disaster. QPS will coordinate the response to the event at the Sate Level.
     - The development and implementation of Memoranda of Understanding between EMQ and local governments which reflects the partnership that exists in present arrangements and clarifies the management and deployment of the State Emergency Service to better describe the responsibility of the local government role in the SES function for their respective jurisdiction.
     - Extending the duration of a disaster declaration to 14 days with extensions by regulation of up to 14 days (currently disaster declarations end in 7 days unless extended by regulation of up to 7 days).
     - SDMG Level
       - New role of State Disaster Coordinator.
       - Change of role for the Executive Officer to the SDMG.
       - New SDMG member role for the LGAQ.
     - DDMG Level
       - XO to the DDMGs will be Police Officers.
     - LDMG Level
       - EMQ will maintain membership role.
       - New position Local Disaster Coordinator.

2. **Correspondence Sent:**
   Nil

3. **Management of Local Disaster Management Plan**
   - Review in line with changes to Disaster Management Act.

4. **Consideration of Reports by**
   a. **Executive Officer (LDMG)**
      - Alert gauge maintenance has been undertaken – 6 not working.
      - Notification of two (2) successful funding applications – Lower James Street Area, Goodna and Rosewood Township.

- Testing of phones in Rosewood Room has been carried out. All are working.

b. **SES Local Controller**
Calls from people with leaky rooves.
Assistance with 2 searches.
New assets within the next couple of months.

5. **General Business**

Annabelle Johnston – Department of Communities.

- South West Region District Community Recovery Committee/s Report.

SW_DCRC_Report_May_2010.doc

Perry Jones – DPI/Bio Security

- Introduced Stacey Hook, who will replace him on the LDMG.
- Foot and mouth disease is spreading throughout China and Japan (thousands of animals destroyed).
- Rabies spreading in West Papua / Irian Jaya.

Tony Trace

- Use of Twitter to issue warnings to people during disasters.
  - Currently under going a pilot program on this.
  - Suggestion of Groups who would find early warnings on Twitter an advantage ie, Bundamba Flood Group.
  - Follow us on Twitter at SwitchNews.
  - The following 'Tweets' will be sent out:
    - Are you prepared for fire this winter? Schedule for 3 June 2010
    - Ever thought about how you would get your family out of the house in an emergency? Scheduled for 17 June 2010.
    - Do you know what your family will need if evacuated from your home for an extended period? Scheduled for 1 July 2010.
    - Here are some handy hints on how to prepare your home prior to storm season. Scheduled for 15 July 2010.
    - Did you know Qld is vulnerable to at least 4 different natural hazards? Scheduled for 29 July 2010.
    - Severe storms and flooding can be scary for children. Here are some handy educational games for kids. Scheduled for 12 August 2010.

H:\DisasEmergency Management Twitter

6. **Proposed Future Meetings**

Tuesday, 3 August 2010
Tuesday, 9 November 2010
Tuesday, 1 February 2011
Tuesday, 3 May 2011

Meeting Closed 12.50 pm.

Attendee	Organisation	Group Composition	Contact Numbers		Email Address
			Land Line	Mobile	
Councillor Trevor Nardi	Ipswich City Council	Deputy Chair	[redacted]	[redacted]	[redacted]
Arie van den Ende	State Emergency Services, Local Controller	Member			
Annabelle Johnstone	Department of Communities	Observer			
Heather Luck	Department of Communities	Observer			
Ross Drabble	Ipswich Council	Proxy			
Mark Kelly	EMQ				
Perry Jones	Biosecurity Queensland (DEEDI)				
Stacey Hook	Biosecurity Queensland (DDEDI)				
Brooke Anderson	Ipswich City Council				
Tony Trace	Ipswich City Council	Executive Officer			
Trevor Edyvean	Ipswich City Council	Observer			
Joel Montgomery	Ipswich City Council	Observer			
Nimish Chand	Ipswich City Council				

Queensland Government
Department of Communities

South West Region
District Community Recovery Committee/s Report

Report submitted by: Annabelle Johnstone and Amanda Nixon

Department or Agency: Department of Communities South West Region

Contact details: [redacted] or phone [redacted]
[redacted] or phone [redacted]

Date: 5 May 2010

The following activities have been undertaken or are being undertaken by this agency:

REGIONAL PREPARDENESS:

170 regional staff are registered on the Department's deployment register. All of these staff have attended the necessary departmental training.

OPERATIONS:

South West Queensland Floods

March 2 2010 Monsoonal rains caused widespread flooding in many parts of South West Queensland. Local Government areas affected included Paroo, Quilpie, Murweh, Maranoa, Balonne, Bulloo and Western Downs

Many properties were inundated and/or isolated and numerous people were evacuated in the Charleville, Roma and St George areas.

An Event Coordination Centre was established in Toowoomba on 2 March.

Recovery Centres were opened in Charleville, Roma and St George from 3 March to 1 April. Outreach services are still ongoing to these and the surrounding areas.

Partner agencies at the Recovery Centres included: Red Cross, Lifeline, Centrelink, QRAA, Department of Health, St Vincent de Paul, Farm Financial Counselling Service and Insurance Council.

Applications for financial assistance opened on 3 March and closed 1 April. The department has received:

2,545 Emergent Assistance Grant applications totalling approx. $956,086

409 Essential Household Contents Grant applications totalling approx. $374,577 (some to be finalised)

36 Structural Assistance Grant applications

Over 200 staff from South West Region, other Department of Communities regions and other Government Departments assisted with the Department of Communities response.

A small team will be appointed to finalise all applications for Essential Household Contents and Structural Assistance Grants and to work on community development activities with the communities.

Cyclone Ului

Staff form South West Region have been deployed to assist with the department's response.

PLANNING:

The 2010 District Community Recovery Plans are to be updated and submitted to the State Community Recovery Committee by 30 September 2010.

EXERCISES:

The Ipswich and Dalby District Community Recovery Committees both held exercises to establish Community Recovery Centres in February 2010. The exercises provided an opportunity for partner agencies to outline their role in a recovery centre and to hear from other agencies about the services they can provided to people who been affected by a disaster event.

The Toowoomba District Community Recovery Committee held a desktop scenario exercise at their February committee meeting.

An exercise to establish a Recovery Centre will be planned for the Toowoomba and Warwick District Community Recovery Committees for later this year.

TRAINING & DEVELOPMENT:

170 regional staff have recently attended the updated Department of Communities Community Recovery Training.

GENERAL BUSINESS:

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

Date: Tuesday, 3 August 2010
Time: 2.00pm – 4.00pm

Rosewood Room
Level 1, Hayden Centre
37 South street
Ipswich Qld 4305

Attendees: Appendix A – Attendee List

Meeting Opened: 2 pm

Apologies: Mayor Paul Pisasale, Craig Smith, Karen Gosselin, Annette Schoone

Confirmation of Minutes: Moved by Trevor Nardi

Seconded by Annabelle Johnstone

1. **Correspondence Received**
   - Email from Wilton Boyd – Fire & Flood News Flash (Attachment B)
     - Aqua-sac - Self inflating sand less sandbag has a shelf life of 5 years. Arie advised that the cost for the sandbags is $99 for 5 bags (this includes a $5 subsidy per bag)
     - Approximately 15 sandbags would be required to cover a double garage
     - It was recommended that ICC provide $1000 to purchase bags for trail. The purchased bags are to be used in emergency situations only.
     - Duncan St, East Ipswich to be allocated 10-20 bags
     - Information regarding the bags is to be passed onto residents in high risk flood areas so that they can purchase aqua sac's themselves.
     - Media release to be arranged advising: Sandbags used in the last storm event are to be inspected and to contact SES if replacement is required.
   - Guardian Software Email (Attachment C)
     - Going to trial ICC EAM with Guardian Software if trial proves unsuccessful will return to DMA system.
   - Flood Barrier (Attachment D)
     - $140,000 would be required for the purchase of flood barriers. Subsidies maybe available for this and Tony will investigate and apply.

2. **Correspondence Sent**
   Nil

3. **Management of the Local Disaster Management Plan**
   - Update of Local Disaster Management Plan
     - ICC to pick up training of GCCC Staff
     - Changes to state disaster management Act

4. **Consideration of Reports by:**
   - Executive Officer (LDMG) – To be distributed at meeting

- SES Local Controller Ipswich – To be distributed at meeting

5. **Applications for NDRP Funding**
   - 7 Applications to be submitted for Natural Disaster Subsidies

6. **Demonstration of Tuflow model by Quentin Underwood**

7. **2010 Review of the LDMP – Request for LDMG Members to provide their DM Plans and Business Continuity Plans.**

   a. **Executive Officer (LDMG)**
   ICC to pick up Training of GCCC Staff
   Changes to State Disaster Management Act

   b. **SES Local Controller**
   Calls from people with leaky rooves
   Recommended that there be a media release regarding roof maintenance late September early October (before the storm season starts)

   c. **Communities**
   Advised that they are going to court regarding fraudulent claims made in the May 2010 floods

8. **General Business**
   - Police thanked SES for their assistance with the fire at Springfield
   - Ambulance are waiting for completion of their new depot in Thorn Street
   - District Level – are waiting on advice from Brisbane regarding positions to pick up work load from EMQ
   - EMQ – 3 Warehouse storage points for equipment
   - MOU – To be drafted by State Government and distributed to Local Government in November
   - Arie advised that Minister asked for and event to be organised to recognise ICC contributions to SES.

9. **Proposed Future Meetings**
   - Tuesday, 26 October 2010
   - Tuesday, 1 February 2011
   - Tuesday, 3 May 2011
   - Tuesday, 2 August 2011

Meeting closed at 3:20 pm

Attendee	Organisation	Group Composition	Contact Numbers		Email Address
			Land Line	Mobile	
Councillor Trevor Nardi	Ipswich City Council	Deputy Chair	[redacted]	[redacted]	[redacted]
Arie van den Ende	State Emergency Services, Local Controller	Member			
Annabelle Johnstone	Department of Communities	Observer			
Heather Luck	Department of Communities	Observer			
Ross Drabble	Ipswich Council	Proxy			
Mark Kelly	EMQ				
Perry Jones	Biosecurity Queensland (DEEDI)				
Stacey Hook	Biosecurity Queensland (DDEDI)				
Brooke Anderson	Ipswich City Council				
Tony Trace	Ipswich City Council	Executive Officer			
Jason Danbury	Queensland Ambulance Service	Proxy (Jodie Cottell)			
Greg Tomlinson	Acting Superintendent – Central West Command DCS	Proxy (Bruce McCoist)			

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

Date: Tuesday, 26 October 2010
Time: 2.00pm – 4.00pm

Rosewood Room
Level 1, Hayden Centre
37 South street
Ipswich Qld 4305

Attendees: Appendix A – Attendee List

Meeting Opened: 2 pm

Apologies: Mayor Paul Pisasale, Mark Kelly, Robbie Goodger

Confirmation of Minutes: Moved by Trevor Nardi
Seconded by Arie van den Ende

1 Correspondence Received

- QTCCC preseason workshop
  - Unfortunately staff unable to attend on the day.
  - Eddie Bennett (EMQ) provided overview of BOM predictions for:
    - Cyclones
      - ☆ Six predicted for East Coast of Queensland,
    - Rainfall
      - ☆ 75% of higher than average rain fall
- Email from Michael Dickinson – LGAQ NEXIS – Understanding Risk Exposure, Reducing Impacts and Managing Consequences.
  - ICC Staff attending.

2 Correspondence Sent

- Nil

3 Management of the Local Disaster Management Plan

- Update of Local Disaster Management Plan
  - Nil
- LDMP Summary Document
  - If members could please check their specific roles and responsibilities and have any amendments / changes back to Kerrie Tillack by 8 November 2010.

4 Consideration of Reports by:

- Executive Officer (LDMG) –
  - Minor event 10/11 October 2010
    - 24 Roads Closed
    - Information communicated hourly.
    - Some damage to Council Roads, mainly pavement repairs and potholes. Major damage was to Colleges Crossing Park.

- SES Local Controller Ipswich
  - Continue to get a large number of maintenance calls when it rains for emergency roof covering
  - Requests for sandbags on a daily basis.

5 **2010 Review of the LDMP – Request for LDMG Members to provide their DM Plains and Business Continuity Plans**

- If these could please be completed and sent to Kerrie Tillack by 8 November 2010.

6 **Predicted Wet Season**

- Bureau of Meteorology predicting adverse weather conditions. Number of Tropical Cyclones are being predicated with a possibility of 1 crossing the South East Coast.
- Weather conditions are parallel with those of 1974.

7 **Findings – 11 October 2010 Event**

- Did the volume of water released from the dams contribute to the damage of flood waters down stream?
- The program of release was commenced at 3,000m^3/sec and ramped up during the release to minimise impact. Some damage from initial release, but majority was from inundation.
- Declaration of Event around the Somerset / Wivenhoe Dam areas
  - Need to look into the decision to see whether Ipswich can be included into this declaration.
    - ☆ Tony Trace to discuss with EMQ/DIP
  - Possibility of funding for repairs.
- QAS made comment that timeframes would assist them in making decision around the closure of Colleges Crossing, when initial notice of closure is given.
    - ☆ Tony Trace to review communication plans, to ensure key stakeholders are receiving appropriate messages.

8 **Protocol Release of Water from Dams**

- Workshop to be held on Thursday regarding this.
- Identify what information is required.

9 **General Business**

- Late item – Emergency Alert System Testing at Esk, Eddie Bennet outlined the EAS framework and provided background to its planned usage and testing results to date.
  - 48 hours before results are known.
  - Possibility for Ipswich to use system for Rapid on set events.
    - Possibility for use in 4 areas within Ipswich
      - ☆ Tony Trace and Arie to discuss with Mark Kelly
    - Need to have a directive from the LDMG (Chair, LAC) and DDC to make decision to send message.

☆ Tony Trace to discuss with Mark Kelly

- SES
  - Arie to attend Ipswich Show Society Meeting to discuss use of Showgrounds in the event of an emergency.
  - Sandbags currently issuing 20 per day.
    - Looking into self-inflating sandbags – 100 to be purchased as a trial.
- EMQ Exercise in Toowoomba, 3-5 November 2010. Mark Kelly attending. Invite to members to attend as observers.
- QFRS
  - Declared fire period has been lifted

10 Proposed Future Meetings

- Tuesday, 1 February 2011
- Tuesday, 3 May 2011
- Tuesday, 2 August 2011
- Tuesday, 8 November 2011

Meeting closed at 3:15 pm

City of Ipswich

Minutes

Appendix A – Attendee List

Attendee	Organisation	Group Composition	Contact Numbers		Email Address
			Land Line	Mobile	
Councillor Trevor Nardi	Ipswich City Council	Deputy Chair	[redacted]	[redacted]	[redacted]
Arie van den Ende	State Emergency Services, Local Controller	Member			
Annabelle Johnstone	Department of Communities	Observer			
Heather Luck	Department of Communities	Observer			
Ross Drabble	Ipswich Council	Proxy			
Stacey Hook	Biosecurity Queensland (DDEDI)				
Tony Trace	Ipswich City Council	Executive Officer			
Jan Tooth	QAS				
Eddie Bennet	EMQ				
Troy Hamilton	QPS	Proxy			
Peter Foley	QT	Guest			

Executive Officers Report

Local Disaster Management Group
Agency Report

Re: **REGULAR REPORT ON IPSWICH CITY COUNCIL COUNTER DISASTER ACTIVITIES – November 2009**

Report submitted by: *Executive Officer Ipswich Local Disaster Management Committee* **Date:** 25 October 2010

For inclusion in the Agenda of the Local Disaster Management Group meeting scheduled for: 26 October 2010

The Minutes of the Local Disaster Management Group of 3rd August 2010 have been circulated to members of the Local Group and executive officer of the District Group.

Planning: Council staff continue to undertake Catchment studies and associated event mapping – demonstration to meeting of current work.

Council staff are reviewing the current Flood Operations Sub-Plan.

Training (Internal): Nil to report

Training (External): Nil to Report

Operations: Minor event occurred over the 10th/11th October 2010, summary being;

⇒ Roads (24) to be closed:-

- Mt Crosby Rd Colleges Crossing;
- River Rd Bundamba
- Louisa St Marburg;
- Marburg Fernvale Rd at Black Snake Creek;
- Reinke Rd Ashwell;
- Ivan La Ironbark;
- Schultz Rd Ironbark;
- Riverside Dr Pine Mt;
- Minden Post Office Rd Marburg;
- Karrabin Rosewood Rd Walloon;
- Railway St Rosewood;
- Haigslea Amberley Rd Walloon ;
- Rosewood Warrill View Rd Rosewood;
- Taylors Rd Walloon (gravel section) Walloon;
- Rosewood Laidley Rd (near Bunney's Rd) Rosewood;
- Boyles Rd Pine Mt ;
- Barrams Rd Ripley;

ICC.001.0126

- Coach La Ironbark;
- Haigslea Malabar Rd Marburg ;
- Kavangh Rd Thagoona;
- Redhill Rd Karrabin;
- Middle Rd Purga;
- Old Grandchester Rd (Strong's Bridge) Lanefield
- Hiddenvale Rd (intersection Cummins Rd) Calvert

This information was communicated on a hourly basis during and after the event.

⇒ some damage to council roads, mainly pavement repairs and potholes. Major damage was to Colleges Crossing Park, approximately $100,000.
⇒ No reported damage to residences or required evacuations.

The Local Disaster Management meeting was held on the 3 August 2010.

Council Staff attended DDMG Meeting.

Ipswich City Council has completed its planned burns on Council property

Exercises:

Nil to report

Projected Activities:

Short exercises are planned to test
- current LDMG Plan
- Detention Basin Operation Plan

Development Projects:

Council is undertaking a review of our current Social Infrastructure Register, which aims to;
- Update/ratify/evaluate current recovery/evacuation centres network
- Identified current key social infrastructure as a basis of future preparation, prevention & "recovery" planning activities.

Natural Disaster Risk Management Project Studies

For the NDRP Round 2 of Funding (closing 31st August 2010), Ipswich City has made application for funding for the following initiatives (in order of Priority);
1. Increasing the Community Resilience of Greater Thurgoona
2. Update of Ipswich Natural Disaster Risk management profile and Ipswich Local Disaster Management Plan
3. Development of the Brisbane River and Bremer River Event Modelling and action plans - Joint Applicant with Brisbane City Council(BCC) and Somerest Regional Council(SRC)
4. Pilot for the calibration of critical crossings to Alert / Floodwise monitoring systems – Joint Application with Brisbane City Council(BCC) and Gold Coast City Council

5. Feasibility Pilot for Event Surveillance Cameras at critical infrastructure.
6. Floodway upgrade at Grey's Plains Road, Mount Mort

Contentious Issues or Matters to be raised:

Miscellaneous: Nil

Signed: Executive Officer – Ipswich Local Disaster Management Group

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

Date: Thursday, 23 December 2010
Time: 8am

Rosewood Room
Level 1, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	8:09am
Apologies:	Mayor Paul Pisasale, Brad Comments, Jan Tooth
Attendees:	Cr Trevor Nardi, Cr Cheryl Bromage, Tony Trace, Ross Drabble, Arie Van Den Ende (SES), Annabelle Johnstone (DCS), David Preston (QPS), Gerry Costello (IH), Bruce Morton (Qld Health), Brooke de Jong, Daryl Hickey

---

- LDMG is in Lean Forward Position. Sitrep #1 is attached.



Local - District SitRep #1

- Contact Centre will be setup in preparation of activation.
- **Current Forecast**
  - Rain decreasing to showers, possible thunderstorm this afternoon.
- **Current State of Catchments**
  - Slight rises, nothing significant
  - Predicted 20mm/day over next few days. (possibility of 200mm over the week)
    - Will keep streams up, with some road closures
  - Main concern if there are heavy downpours, which would issues at Bundamba and Woogaroo Creek.
  - All gauges are up and running. There were some issues with the gauge at Bundamba, but they have now been fixed. It is a standard procedure of BOM to take broken gauges off the site. Daryl Hickey to check to see if gauge is now back on site.
- **Council Positions**
  - Council has started to source staff availability over the Christmas / New Year break, for the resourcing of contact centre.
  - Will identify damage to strategic roads and repair.
  - Signage will go out today or tomorrow for road closures.

- **Queensland Police**
  - Wivenhoe closure of gates – bridges to reopen tonight or tomorrow.
  - All dams are closed to recreation activities over the Christmas period.

- **Department of Communities**
  - Recovery services on alert
  - 80 staff within Ipswich area on standby

- **Environmental Health**
  - Able to provide assistance if food premises are inundated with flood waters. Activate through DDMG.

- **SES**
  - 50 volunteers over Christmas / New Year Period
  - Filling sandbags today
  - 4 boats ready
  - 4 truck loads of sand to go out to Ipswich, Goodna, Rosewood and Marburg today.

- **Media**
  - State issued safety message yesterday.
  - David Preston / Cr Nardi to discuss safety message with David Greenwood (River 94.9)
  - Tony Trace to organise message.
  - River 94.9 will cross to SES for Aries thoughts in a flood situation.

- **Updated Contacts**
  - The current Contacts listing of the Local Disaster Management plan are attached. If there are any changes that need to be made, please email Kerrie Tillack ktillack@ipswich.qld.gov.au, and she will update the listing and resend.

CONTACTS v13
2010-12-23

Meeting closed at 8:29 am

- After Meeting Advice
  - QFRS – Rural Operations
  - Brad Commens advised QFRS are on Standby and have extra Swift-water Rescue teams available.

Ipswich City Situation Report (SITREP)

Event: __Rain Event X-mas 2010_

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG

Date	Time	Sitrep No.
23rd December	7:00am	1

1. WEATHER

Local observations:

Overnight:

Approximately 15mm of rain across most of the catchment for past 24 hours.

Catchment Summary:

Western Ck –
- Grandchester .35m (R),
- Kuss Rd .84m (S),
- Spressers Br. 2.07m (S)
- Rosewood WWTP 1.18m (S)

Franklin vale –
- Greys Plains Rd .84 (R).

Bremer -
- Adams Br 1.31m (R)
- Stokes Xing 1.1m (S),
- Rosewood 1.94m (S)
- Walloon 2.22m (R)
- Three Mile peaked at 8.65m (S)
- One Mile peaked at 5.55m (S)
- Brassall 3.83m (S)
- Ipswich peaked at 2.15m (F)

Warrill -
- Kalbar 75.2m (S),
- Harrisville 1.38m (S),
- Amberley 2.7m (F).

Purga -
- Peak Xing .81 (S)
- Loamside peaked 1.52m (S),

Bundamba -
- Ripley 0m (S) (49.77AHD)
- Harding .18m (S) (20.78AHD)
- Blackstone .45m (S) (15.39AHD)
- Bundamba School 11.98 (R)

Woogaroo -
- Upper Woogaroo .35m (R)
- Opossum .35m (R) (19.85AHD)

Detention Basins -
- Marburg basin .7m (R)
- Rosewood basin .1m (S)

Brisbane -

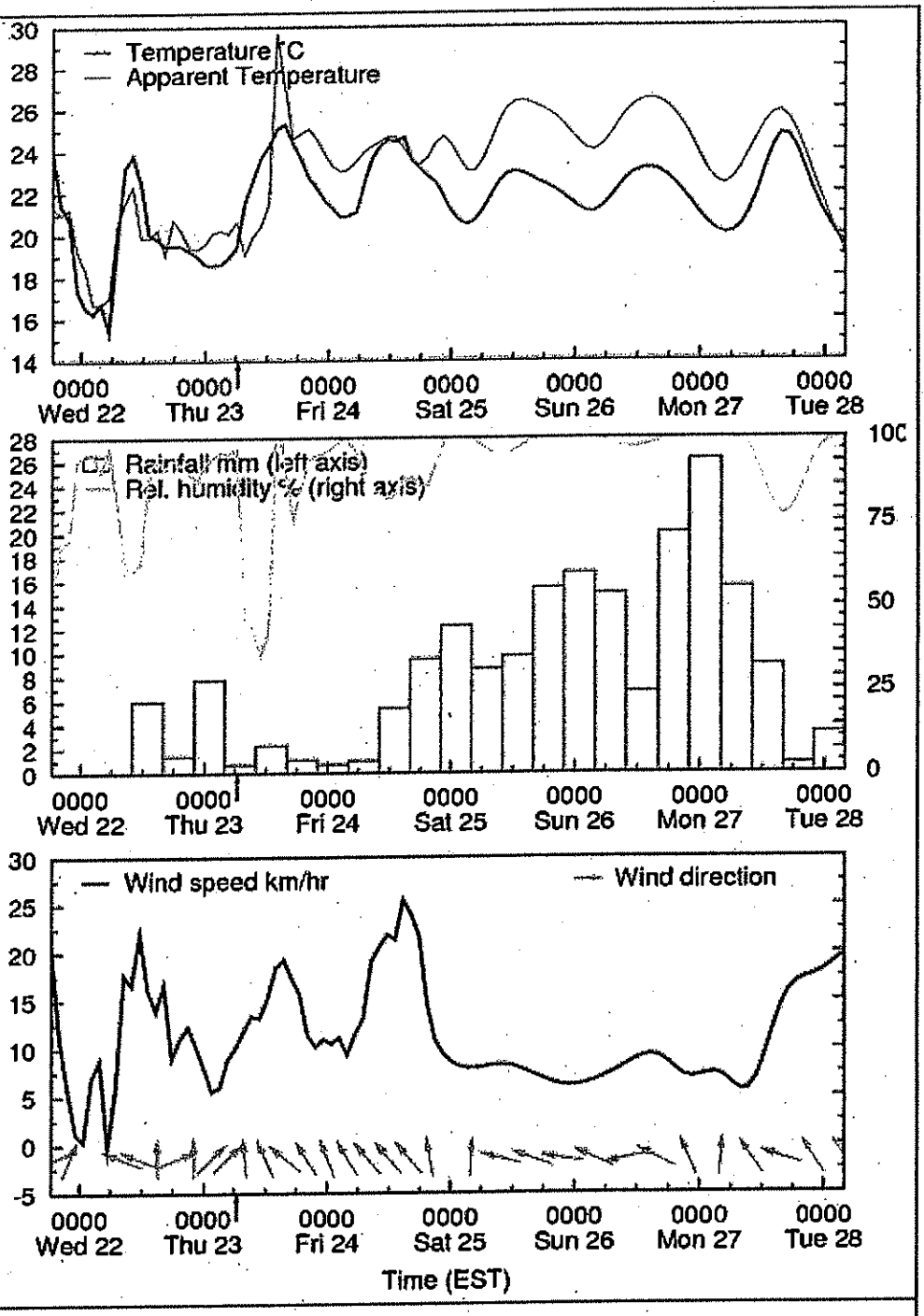
- Wivenhoe TW 32.31 (Falling since 3pm 22/12/2010)
- Savages 8.29m (F)
- Burtons 7.08m (F)
- Kholo 13.96m (F) 2.06m over bridge
- Mt Crosby 10.53m (F)
- Colleges Xing 8.26m (F) 4.70m over bridge

Note: Closure of Wivenhoe Dam gates commenced at 3:30am this morning.

Forecast for Thursday

Rain easing to showers. **A possible afternoon thunderstorm**. Light to moderate S to SE winds.
Precis: Rain easing to showers Max 27
UV Alert from 7:30 am to 4:10 pm, UV Index predicted to reach 16 [Extreme]

Friday	Rain increasing	Min 21	Max 27
Saturday	Rain at times	Min 21	Max 26
Sunday	Rain at times	Min 20	Max 26
Monday	Rain at times	Min 21	Max 26
Tuesday	Rain at times	Min 20	Max 26
Wednesday	Showers	Min 20	Max 28



Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Nil
Rail:	Nil
Aviation:	Nil
Marine:	Nil
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network:	Nil
Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Colleges Crossing and Kholo Bridges are currently crossed, but expected to reopen sometime today.
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	Nil
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Numbers:	Nil
Origin:	Nil
Destinations:	Nil
Evacuation Centres Activated:	Nil
Transport Logistics:	Nil

8. INDUSTRY

Council:	Nil
Government Offices:	Nil
Schools:	Nil
Hospitals:	Nil
Private Enterprise:	Nil

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	Nil
Staff / Resources Deployment:	Council Operations are at "Lean Forward" activation level.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Resource requirements being organised.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

LDCC to be set up in advance over today/tomorrow.

12. GENERAL OVERVIEW OF THE SITUATION

13. CONTENTIOUS ISSUES

Planned RCD work to be undertaken over the Xmas/New Period on Council Facilities which required all system to be shut down has been cancelled due to the pending weather.

IPSWICH LOCAL DISASTER MANAGEMENT GROUP CONTACT LIST

NAME	ORGANISATION	GROUP COMPOSITION	ADDRESS	CONTACT NUMBERS	E-MAIL ADDRESS
Mayor, Councillor Paul Pisasale	Ipswich City Council	Chairperson	45 Roderick Street IPSWICH QLD 4305 PO Box 191 IPSWICH QLD 4305	Phone: A/H: Mobile: Fax (H): (W)	
Councillor Trevor Nardi	Ipswich City Council	Deputy Chairperson	45 Roderick Street IPSWICH QLD 4305 PO Box 191 IPSWICH QLD 4305	Phone: A/H: Mobile: Fax (W):	
Tony Trace	Business Support Manager Ipswich City Council	Executive Officer	45 Roderick Street IPSWICH QLD 4305 PO Box 191 IPSWICH QLD 4305 **Proxy:** Ross Drabble Chief Operating Officer (Engineering Services)	Phone: Mobile: Fax: Phone: Mobile: A/H: Fax:	
Arie van den Ende	State Emergency Service Local Controller	Member	54 Thorn Street IPSWICH QLD 4305 PO Box 205 IPSWICH QLD 4305	Phone: A/H: Mobile: Fax:	
Peter Napier	Risk Management Coordinator Ipswich City Council	Observer	45 Roderick Street IPSWICH QLD 4305 PO Box 191 IPSWICH QLD 4305	Phone: A/H: Mobile: Fax:	
Craig Smith	Inspector Queensland Fire & Rescue Service Rural Operation	Member	99 Limestone Street Ipswich QLD 4305 **Proxy:** Duty Officer	Phone: Mobile: Pager: *(Ask for Duty Officer)* Fax: Pager *(Ask for Duty Officer)*	
Leanne Stevens Area Director – Ipswich Helen Donaldson Officer In Charge	Queensland Ambulance Service	Member Proxy	27 Downs Street, NORTH IPSWICH QLD 4305 PO Box 408 IPSWICH QLD 4305	Phone: Mobile: Fax:	

LOCAL DISASTER MANAGEMENT GROUP CONTACT L

NAME	ORGANISATION	GROUP COMPOSITION	ADDRESS	CONTACT NUMBERS	E-MAIL ADDRESS
Gareth Pitman	District Officer Superintendent Ipswich Police District	Member	300–320 Warwick Road, IPSWICH QLD 4305 PO Box 382 IPSWICH QLD 4305 **Proxy:** Inspector David Preston Senior Sergeant Robbie Goodger	Phone: Mobile: Fax: Phone: Mobile: Fax: Phone: Mobile: Fax:	[redacted] [redacted]
Gregory Tomlinson	Superintendent Queensland Fire & Rescue Service (Urban)	Member	101 Limestone Street IPSWICH QLD 4305 PO Box 138 IPSWICH QLD 4305 **Proxy** Brad Commens	Phone: A/H: Mobile: Pager: Fax: Mobile:	[redacted] [redacted]
Mark Kelly	Area Director South East Area Office Emergency Management Queensland	Member	2 Brigade Drive EAGLEBY QLD 4207 PO Box 5128 EAGLEBY QLD 4207 **Proxy:**	Phone: A/H: Mobile: Fax: Fax A/H: Phone: Mobile:	[redacted]
Steve Hompes Gerry Costello	Executive Director – Ipswich Hospital	Member	PO Box 73 IPSWICH QLD 4305 **Proxy:** **Bruce Morton FEHA** **Director Environmental Health** West Moreton and Logan Public Health Units Southern Regional Services Division of the Chief Health Officer Queensland Health	Phone: Mobile: Fax: Phone: Mobile: Fax Phone: Fax: Mobile:	[redacted] [redacted]
Annabelle Johnstone	Department of Communities	Observer	5-7 Wharf Street Ipswich Qld 4305	Phone: Mobile:	Annabelle.johnstone@communities.qld.gov.au

IPSWICH LOCAL DISASTER MANAGEMENT GROUP CONTACT LIST					
NAME	**ORGANISATION**	**GROUP COMPOSITION**	**ADDRESS**	**CONTACT NUMBERS**	**E-MAIL ADDRESS**
Squadron Leader Kevin Kovic	Royal Australian Air Force	Observer	NCOIC Operations AMB BCP RAAF Base Amberley AMBERLEY QLD 4306 **Proxy:** Squadron Leader Gary Ayre	Phone: Mobile: Fax: Phone: Mobile:	
Tim Browne	Telstra Team Leader Ipswich	Observer	Locked Bag 3733 BRISBANE QLD 9008 **Proxy:** Jeff Dick Terry Hayden	Phone: Mobile: Fax: A/H: Mobile: Mobile:	
Neil Vellacott	Energex	Observer	 **Proxy:** Russell Cross	Phone: Mobile: Fax: Mobile:	
Stacey Hook	DEEDI	Observer	 **Proxy:** Sandy Mackenzie	Phone: Mobile: Fax: A/H: Mobile:	
Ralph Carlisle	Queensland Emergency Services CHEM Unit	Observer	GPO Box 1425 BRISBANE QLD 4001	Phone: A/H: Fax:	
Glenn Murray (Operations Manager)	Emoleum	Emergency Contact For Main Roads		Phone: Mobile:	
Garry Baker (Area Supervisor / Coordinator)	Emoleum	Emergency Contact For Main Roads		Mobile:	

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

December 2010 Event

Date: Monday, 27 December 2010
Time: 1:30 pm

Rosewood Room
Level 1, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	1:35 pm
Attendees:	Cr Trevor Nardi, Cr Cheryl Bromage, Tony Trace, Ross Drabble, Arie Van Den Ende (SES), Robbie Goodger (QPS), Bruce Morton (Qld Health), Brooke de Jong, Daryl Hickey, Andrew Teece, Geoff Stalker, Mark Kelly (EMQ), Russell Pavey (QAS), Karen Gosselin,
Minutes:	Kerrie Tillack
Apologies	QFRS (Urban & Rural)

- BOM has revised peak of Bremer River to 10-11 metres at 3 pm today.
- Infrastructure likely to be impacted:
  - Tiger and Darling Street West, West Ipswich City Council
  - Siemons and Phillip Streets, One Mile
  - Georgette and McGreavy Street, One Mile
  - Berry Street, Churchill
  - Woodford and General Foch Street, One Mile
  - Middle Road, Purga
  - Southern Amberley Road, Amberley
  - Junction Road, Karalee
  - Mt Crosby Road, North Tivoli (Sandy Creek)
  - Gledson, Emma and Barclay Streets, Bundamba
- Businesses / Properties likely to be impacted:
  - Comona Court, Wulkuraka
  - 33-59 Lobb Street, Churchill
  - 2A Caffery Street, One Mile
  - 31 & 36 Lamont Street, North Booval
  - 31-35 Bergins Hill Road, Bundamba – Backyards
  - 2-10 Barclay Street, Bundamba – isolated
  - 22 Emma Street, Bundamba
  - Keogh Street, West Ipswich – Businesses at western end
  - Riverlink Shopping Centre – Carpark Impacted

- Tiger Street, Pump Station (QUU) at Darling Street West, West
- Qld Generation Corp – Water Pump Station at Berry's Lagoon
- Readmix – Internal road network
- Llewellyn Motors – Macartney Street, Booval
- Bunnings – Bottom Carpark.

Creeks / Rivers / Bridges / Roads

- 3 mile Bridge – Closed
- 1 mile Bridge (old) – Closed
- Marsden Parade, Ipswich - Closed
- Spressers Road - Closed
- Rosewood Waste Water Treatment Plant - Closed
- 7 mile, Rosewood – Closed
- 5 mile, Walloon – Closed.

- Residential flooding – mainly backyards.
- Flood modelling is currently in line with actual flooding.
- Council assets
  - HPR advised late last night in relation to flooding at Riverheart.
- Call Centre currently working down the list advising homes and business in flood prone areas ie Ross Llewellyn's, Bunnings.
- QAS currently managing OK.

SES

- 5 teams have been sandbagging.
  - Ipswich – 800 sandbags
  - Marburg – 700
  - Rosewood – 1,000
- People getting sandbags on a regular basis.

- Dam levels
  - Wivenhoe to open 5 gates this afternoon, expecting to achieve maximum level of 1,500 m^3/sec by 7pm. Expected to continue until at least Thursday, depending on rainfall received.

Status – maintain "Lean Forward" position.

Next meeting:

Tuesday, 28 December 2010, 7.30 am,
Jarrah Room, Level 2, 37 South Street, Ipswich.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

December 2010 Event

Date: Tuesday, 28 December 2010
Time: 7:30 am

Rosewood Room
Level 1, Hayden Centre
37 South street
Ipswich Qld 4305

Attendees:	Cr Trevor Nardi, Cr Cheryl Bromage, Tony Trace, Ross Drabble, Arie Van Den Ende (SES), Brooke de Jong, Daryl Hickey, Andrew Teece, Geoff Stalker, Mark Kelly (EMQ), Russell Pavey (QAS), Karen Gosselin,
Minutes:	Kerrie Tillack
Apologies	

Meeting Opened – 7:30 am

Chair Trevor Nardi on behalf of the LDMG would like to thank the following for their hard work of the past couple of days.

Tony Trace, Daryl Hickey, Geoff Stalker, Karen Gosselin and the Call Centre Staff, Arie Van Den Ende and the SES Volunteers.

This event has been good test of Council's resources and the preparedness of the LDMG.

Executive Officer, Tony Trace:

- Weather
  - Main weather system as report yesterday shifted north and missed us.
  - Weather reports for the Ipswich area of the next few days:

Ipswich

Forecast for Tuesday

Mostly fine. Only a shower or two. Moderate S to SE winds.

Precis: Mostly fine Max 25

UV Alert from 7:20 am to 4:20 pm, UV Index predicted to reach 17 [Extreme]

Wednesday	Shower or two	Min 20	Max 26

Thursday	Fine	Min 20	Max 28
Friday	Fine	Min 20	Max 29
Saturday	Mostly fine	Min 18	Max 29
Sunday	Few showers	Min 18	Max 30
Monday	Showers	Min 20	Max 31

- Department of Communities have activated evacuation centres in Warwick.
- Catchments
  - All have peaked and are falling or have peaked and waiting to fall.
  - Bridges to be inspected today and reopen depending on the inspection.
  - Ipswich gauge peaked at 8.4m and is starting to fall.
- Event has highlighted deficiencies in some areas which has been rectified.
- Copy of handouts attached.

SES

- 90 calls
  - Majority for sandbags.
- Media alerts for sandbags to advise residents that sandbags need to be picked up.
- Evacuation of a family at Harrisville.
- Loss of livestock, needs further investigation.
- SES has received a request for volunteers to go either north or west to help out will flooding. Small contingent maybe sent (8-10 volunteers), depending on the local event.
- Issued the Floodsac (currently on trial within Ipswich) to an elderly couple.
- Has a combined total of 3,000 sandbags ready to go over all the Ipswich SES Depots.

ICC Call Centre

- Activated within ½ an hour of getting the call.
- Issues arose in regards to make out going calls, when the call centre was take back from the after hours operations. Extra staff called in to help with making external calls.
- Most of calls related to rising water, storm damage, roaming animals and potholes.
- Calls also from Police Coms giving updates.
- Issue with On Call Officer getting back to call centre staff to give updates of calls. Due to call centre open, joined the cue of incoming calls. Mobile numbers given to On Call Officer to call.
- Call Centre activated at 12:30 pm, closed at 6 pm, with staff leaving at 7 after updating call register.

Road Closures

- Question was raised in regards to the updating of Road Closures on the ICC website. Was this done and who's responsibility is it to update?

QAS

- Have faired reasonably well.
- Couple of issues in relation to road closure information filtering through from their coms centre to crews on the road.

EMQ

- SEQ SES estimated 3,000 jobs
- Staff to be deployed around the staff in relation to other flooding events.
- Received requests for sandbags from people not necessarily in immediate path of flood water.
- EMQ have given SES crews list of sandbag suppliers, for members of the community to go to and get sandbags, and fill themselves.
- Raised the question as to whether or not the DDMG was activated?
- Arie advised that he has a list of people who requested sandbags, and the possibility of going around and checking to see if they were needed.

Chair, Trevor Nardi

- Door knocked the following streets yesterday afternoon, and advised to prepare for localised flooding:
    - Bergins Hill Road – Majority of residents where prepared. Unable to contact Auto wreckers, no contact number.
    - Tibbetts Street – (Corner Bergins Hill Rd) residents no prepared for local flooding.
    - Thompson Street
    - Videroni Street – 4 house unattended and unable to advise
    - 31 Lamont Street – Ok
    - 36 Lamont Street – no one home
- New residents in area ie Videroni and Tibbetts Streets, unaware of the localised flooding issues

General

- Do we need to look at some form of crowd control at flood sites for spectators. (Advised that they were moving aside road barriers to park)

Meeting Closed 8:05 am

Status – Alert.

Next meeting:

On a needs basis.

Email Attachments:

Update from SEQ Water

From: Rob Drury [redacted]
Sent: Tuesday, 28 December 2010 7:12 AM
To: Rob Drury; Tony Jacobs; Tony Trace; Lavin, Chris
Subject: RE: Update

The Flood Centre will keep you informed or leave messages on your phones.

Below is the current strategy.
Any comments or assessments let me know.

Basically with all the rain in the Lockyer we have not ramped up until it peaks and starts to drop to ensure there is no impact on Fernvale or Mt Crosby bridges.
This should still be later today as the Lockyer starts to drop.

Rainfall

Rainfalls in the order of 20 to 40 mm have been experienced in the dam catchments in the last 24 hours, but the rainfall has only been in the order of 5 mm in the last 12 hours. The QPF issued at 1600 yesterday was reduced to 25 to 35mm and the severe weather warning associated with possible widespread rainfall in the dam catchments is no longer current. The current BOM forecast is:

Tuesday 28 December Shower or two.
Wednesday 29 December Shower or two.
Thursday 30 December Fine.
Friday 31 December Fine
Saturday 31 December Mostly Fine
Sunday 1 January Few showers
Monday 27 December Showers

Although the dam catchments are saturated, BOM forecasts are currently indicating that dam inflows have peaked for the current event.

North Pine Dam – Just FYI

A flood release commenced at 2000 on Sunday 26 December 2010 and is now likely to continue until 0500 on Wednesday 29 December 2010 (tomorrow morning). This will allow Youngs Crossing to reopen by 0700 on Wednesday. Current outflows from Lake Kurwongbah would also be sufficient to inundate Youngs Crossing, regardless of releases from North Pine Dam, but these outflows should also subside by Wednesday morning. The current level in North Pine Dam is around 39.72 m AHD and falling, with all gates currently open. The situation will be reviewed throughout today, with the next update to be provided at around 1600 today.

Somerset Dam

A flood release through the regulator cone valves at the dam commenced at 0900 on Sunday 26 December 2010. The current release rate is 18000ML/day. Since commencing the release the lake has continued to rise steadily to currently be around 99.96m AHD or 960mm above the full supply level. Inflows into the dam are subsiding and unless further rainfall in the dam catchment is experienced, the lake will soon start to fall slowly to be back near the dam full supply level by Thursday. Sluice gate operations will commence this morning as Wivenhoe levels are approaching the point at which the regulator cone valves should not be used due to back water impacts. The total volume of water released since the release commenced on 26 December 2010 is 37,000ML, with the current projected total release volume for this event being 80,000ML.

Wivenhoe Dam

Radial Gate operations for the current event commenced at 0900 on Sunday 26 December 2010. After scaling up to an initial release rate of 30,000ML/day, the release was scaled back yesterday to the minimum radial gate release rate of 4,000ML/day to ensure that Burtons Bridge remained open until yesterday afternoon and to reduce flooding impacts in the Brisbane River caused by outflows into the river from Lockyer Creek. The current release rate remains at 4,000ML/day, but will be scaled up later today as Lockyer Creek flows subside. The current lake level is 68.55m AHD or 1550mm above the full supply level. Inflows into the dam are subsiding and unless further rainfall in the dam catchment is experienced, the lake will fall slowly once to release rate is scaled up, for the level to be back near the dam full supply level by around Sunday. The total volume of water released since the release commenced on 26 December 2010 is 28,000ML, with the current projected total release volume for this event being in the order of 375,000ML (includes inflows from Somerset Dam).

Impacts of Wivenhoe Dam Releases

Twin Bridges, Savages Crossing, Colleges Crossing, Burtons Bridge and Kholo Bridge are currently closed and will remain so until at least Friday. There is no current expectation that either Mt Crosby Weir Bridge or Fernvale Bridge will be impacted by the current event, but Lockyer Creek outflows are being closely monitored and will come close to impacting upon the Mt Crosby Weir Bridge. An updated estimate of the likely time of opening of Burtons Bridge will be provided tomorrow.

Tide levels in Brisbane are decreasing generally so Wivenhoe releases should have minimal impact. BoM advice confirms this. Impacts from Bremer and other inflows should have mostly passed by the time any release from Wivenhoe gets to downstream river reaches.

Robert Drury
Dam Operations Manager
Water Delivery
Queensland Bulk Water Supply Authority *trading as* Seqwater
Ph [redacted] | Fax [redacted] | M [redacted] | E [redacted]
[redacted] Fernvale Q4306 Australia
[redacted] Fernvale QLD 4306
Website | www.seqwater.com.au

From: Rob Drury
Sent: Monday, 27 December 2010 8:14 AM
To: Rob Drury; 'Tony Jacobs'; 'Tony Trace'; 'Lavin, Chris'
Subject: RE: Update

The Flood Centre will keep you informed or leave messages on your phones.

Below is the current strategy.
Any comments or assessments let me know.

Rainfall

Reasonably significant rainfalls in the order of 40 to 50 mm have been experienced in the dam catchments in the last 24 hours, but the rainfall has only been in the order of 5 to 10mm in the last 6 hours. The QPF issued at 1600 yesterday was for 50 to 100mm and the severe weather warning associated with possible widespread rainfall in the dam catchments remains current and was re-issued by BOM at 0445 today. The current BOM forecast is:

Monday 27 December Rain periods
Tuesday 28 December Rain at times
Wednesday 29 December Rain at times
Thursday 30 December Shower or two
Friday 31 December Fine
Saturday 31 December Fine

Sunday 1 January Fine

With the current wet catchments, there is a high probability that the forecast rain will result in further flood releases from the dams over the coming week.

Somerset Dam

Two regulators were opened yesterday morning, to provide a release of 12000ML/day. Since that time the lake has continued to rise steadily to currently be around 99.60m or 600mm above the full supply level. Another regulator was opened this morning. Further gate operations may be necessary today if forecast rainfall results in subsequent river rises. Draining will take at least until Wednesday. The next update will be provided at around 1200 today.

Currently at 107.7% with 30,000ML over FSL.

Wivenhoe Dam

Radial Gate operations recommenced yesterday at 0900 and since that time the lake has risen steadily to currently be around 67.57m or 570mm above the full supply level. Because of outflows from Lockyer Creek, outflows from Wivenhoe Dam have been steadily reduced during the night to ensure Burtons Bridge remained open (current river levels have water at Burtons Bridge deck level and falling slowly). Radial gates at Wivenhoe Dam are being progressively wound back this morning as the Lockyer Creek outflows into the Brisbane River increase above 250 cumecs. This will keep Burtons Bridge open until late this afternoon. However it is anticipated that Lockyer Creek outflows will peak above 500 cumecs later today or early tomorrow and these flows will inundate Burtons Bridge. As this occurs, outflows from Wivenhoe Dam will be increased to drain the lake to near full supply level. Draining will take at least until Thursday. Further gate operations may be necessary in coming days if forecast rainfall results in subsequent river rises.

Wivenhoe is around 105.6% and 65,000ML over FSL.

Impacts of Wivenhoe Dam Releases

Twin Bridges, Savages Crossing and Colleges Crossing are currently closed and will remain so until at least Thursday. Burtons Bridge is currently open, but will be closed late today or early tomorrow and is likely to remain closed until at least Wednesday. However, the length of time that Burtons Bridge will be closed is dependant upon the rainfall experienced over the next several days. Kholo Bridge remains unserviceable due to flood damage. There is no current expectation that either Mt Crosby Weir Bridge or Fernvale Bridge will be impacted by the current event.

An updated estimate of the time of closure of Burtons Bridge this afternoon will be provided to Council, but at this stage it is not expected to be before 1600 today. This may change as rainfall is experienced during the day.

Tide levels in Brisbane are decreasing generally so Wivenhoe releases should have minimal impact.

Rob
Robert Drury
Dam Operations Manager
Water Delivery
Queensland Bulk Water Supply Authority *trading as* Seqwater
Ph [redacted] | Fax [redacted] | M [redacted] | E [redacted]
[redacted] Fernvale Q4306 Australia
[redacted], Fernvale QLD 4306
Website | www.seqwater.com.au

Weather Update:

From: Daryl Hickey
Sent: Tuesday, 28 December 2010 6:18 AM
To: Tony Trace; Flood Alert One; Flood Alert Two; Daryl Hickey
Subject: Weather Update

Ipswich

Forecast for Tuesday

Mostly fine. Only a shower or two. Moderate S to SE winds.

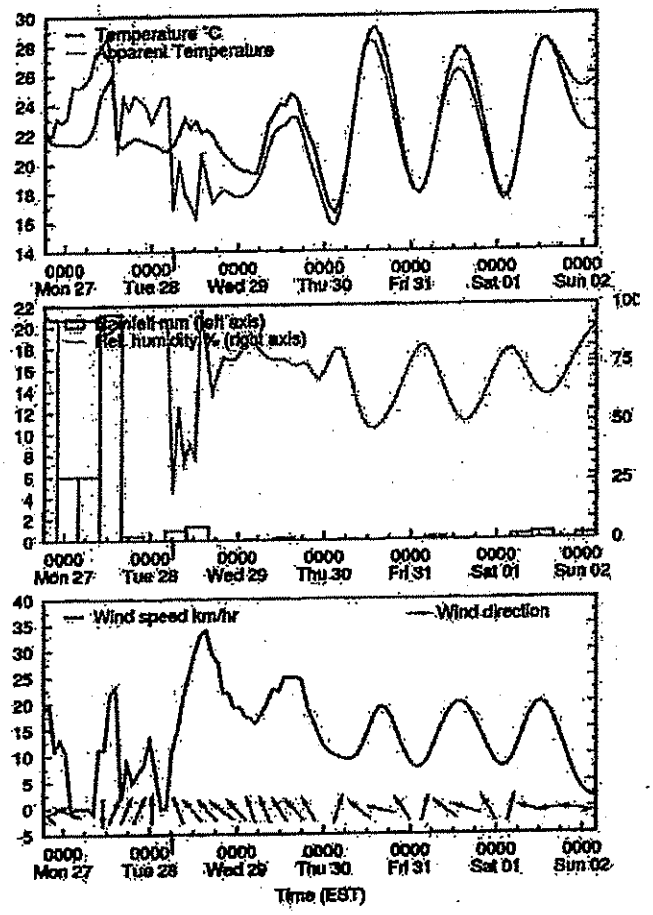
Precis:

Mostly fine

Max 25

UV Alert from 7:20 am to 4:20 pm, UV index predicted to reach 17 [Extreme]

Wednesday	Shower or two	Min 20	Max 26
Thursday	Fine	Min 20	Max 28
Friday	Fine	Min 20	Max 29
Saturday	Mostly fine	Min 18	Max 29
Sunday	Few showers	Min 18	Max 30
Monday	Showers	Min 20	Max 31



Catchment Update

From: Daryl Hickey
Sent: Tuesday, 28 December 2010 6:12 AM
To: Tony Trace; Flood Alert One; Flood Alert Two; Daryl Hickey
Subject: Catchment Update

Hi Tony,

Current summary as follows:

Time - 05:30 28/12/2010
No rain has been recorded across the catchment over the past 12 hours.

Ipswich gauge is still rising and should peak within the next hour or so around the previous 8.40m level. Several bridges are now clear or clearing shortly and will require inspection prior to removal of Road Closed signage etc..

Western Ck -

- Grandchester 1.23m (F), 3.67m below bridge
- Kuss Rd 4.66m (F), 2.1m below bridge
- Spressers Br. 5.52 (F), .22m over bridge
- Rosewood WWTP 5.93m (F), .37m below bridge

Franklin vale -

- Greys Plains Rd 1.69m (F), .5m below bridge

Bremer -

- Adams Br 2.01m (F)
- Stokes Xing 2.60m (F), 1.74m above causeway
- Rosewood 5.42m (F), .72m over bridge (7 Mile)
- Walloon 7.30m (F), 2.18m over bridge (5 Mile)
- Three Mile 20.90m (S), 1.6m over bridge
- One Mile 14.90m (R), 1.96m above old bridge, 2.3m below new bridge
- Brassall 10.9m (R), 2.9m below bridge
- Sydney Street 10.9m (R), .45m over Sydney St, .65m over bridge
- Ipswich 8.15m (R)

Warrill -

- Kalbar 78.11m (F), 3.42m above weir
- Harrisville 5.54m (F), .04m above bridge
- Amberley 7.12m (S).

Purga -

- Peak Xing 1.81m (F), 3.24m below bridge
- Loamside 6.02m (F)

Bundamba -

- Ripley 50.42m (F)
- Harding 23.23m (F)
- Blackstone 17.69m (F)
- Bundamba School 13.83m (F), 2.50m below bridge
- Hanlon Street 6.05m (S)

Woogaroo -

- Upper Woogaroo .60m (S)
- Opossum 21.00m (F)

Detention Basins -

- Marburg basin .95m (F)
- Rosewood basin .15m (S)

Brisbane -

- Wivenhoe TW 31.14m (R)
- Savages 7.05m (R)
- Burtons 5.72m (R)
- Kholo 11.08m (R) .82m below bridge
- Mt Crosby 8.99m (S) 3.41m below bridge
- Colleges Xing 6.31m (R)

Regards, Daryl.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

Date: Monday, 10 January 2011
Time: 8:30 am

Rosewood Room
Level 1, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	8:30 am
Attendees:	Cr Trevor Nardi, Cr Cheryl Bromage, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Daryl Hickey, Mark Kelly (EMQ), Jan Tooth (QAS), Gerry Costello (QH), Allan Roebuck (ICC Media), Clinton Neumann (QFRS – Rural Ops), Mike Thompson (ICC)
Minutes:	Kerrie Tillack
Apologies	Ross Drabble

Meeting Opened – 8:30 am

Tony Trace:

- Extreme Weather warnings have been issued.
- 200 mm is expected today
- 100 mm was received in the last 24 Hours (Colleges Crossing)
- Most of our bridges are currently closed.
- Mount Crosby Weir was closed earlier this morning.
- Marburg and Rosewood Detention basins are operating normally.
- Thagoona Residents – 50m of sand
- Catchments are fully saturated.
- Bundamba Creek is currently 2m under bridge.
- Colleges Crossing – Evacuated caretaker.
- Removal of kiosk and house today / tomorrow.
- Peak is expected tomorrow for Colleges Crossing.
- Keeping an eye on Bundamba Creek. Cr Nardi to walk area and advise residents Videroni Street.

Daryl Hickey: Predictions from BOM

- Bremer River is predicted to peak at approximately 7.5m sometime after lunch today.
- A further peak of 8.2/8.3m is expected late Tuesday. Depending on rainfall within the catchments. At this peak Riverheart Parklands is likely to be affected.

Mike Thompson:

- Coping fairly well
- Maintenance Crew won't be work today (due to rain).
- Potholes continue to be a major issue. Any potholes which have the potential to be a major safety issue will be fixed.

SES:

- Only a few calls received
- Ipswich Depot requires more sand.
- Currently have 7,000 sandbags
- Store advised that they will have a further 10,000 bags delivered today.
- Trial of water filled flood barrier. Forty-Five metres of barrier on trial.

Mark Kelly EMQ:

- Issue with 132 500 number. Telstra fault, could be a 10 minute repair or could take a couple of days.
- EMQ ask that Local Governments assist by taking calls through the number located on their websites. Could the following details please be taken in regards to the phone calls:
  1. Callers Name
  2. Callers phone number
  3. Callers address
  4. Type of request for assistance
     - Leaking roof
     - Request for sand bags
     - Tree fallen over blocking access

  Medical conditions are to be referred to QAS for vetting.
  Police issues are to be referred to QPS.
  Fire issues to be referred to QFRS.

  If unsure please forward issues through to email address. [redacted]

- Other EMQ number which will be monitored for this event are [redacted] and [redacted]
- Tony Trace to meet with Julian Harris to arrange ICC call centre
  - As of 9:56 am this morning the call centre was operational to take these calls.

Robbie Goodger QPS:

- No issues in Ipswich at this stage.
- Toogoolawah is currently isolated
- Karana Downs Police Station is isolated. Assistance from Brisbane. If Kholo Creek at Anstead floods, station will be isolated.

Jan Tooth (QAS):

- Karana Downs is a big issue, only found out at 7:30am this morning that road was closed. Same issue as police, in relation to isolation for area.
- Still some dramas with advice regarding road closures filtering through to crews on the road. Seems more of an internal issues.

Clinton Neumann (QFRS-RO):

- All fine at the moment.

Gerry Costello (Ipswich Hospital):

- Some staffing issues in relation to staff being able to get through.
- Needing to support Esk Hospital.
-

Meeting Closed 9:05 am

Status – Lean Forward.

Next meeting:

3:00 pm, Monday, 10 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

Date: Monday, 10 January 2011
Time: 3:00 pm

Rosewood Room
Level 1, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	3:15 pm
Attendees:	Cr Trevor Nardi, Cr Cheryl Bromage, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Daryl Hickey, Mark Kelly (EMQ), Jan Tooth (QAS), Allan Roebuck (ICC Media), Mike Thompson (ICC), Carl Wulff, Barry Pearce (QFRS)
Minutes:	Kerrie Tillack
Apologies	Ross Drabble

Update on Situation.

Revised peak
- Bremer River – 12.5 at Ipswich – sometime after lunch Tuesday, 11 January 2010
- Weir – 18.3 – mid morning Tuesday, 11 January 2010

Only gauge not function properly is Ripley.

Services – Telstra and Energex to be advised of possible flooding.

Bremer River – isolation of houses at Bergins Hill Road / Barclay Street,

SES – 120 jobs – mostly sandbagging.
132 500 numbers is back in operation.

Possible Affected Areas:
Bremer Waters Retirement Home – Cr Bromage to talk to Management

Bundamba Creek
Ross Llewellyn Motors – have been notified
Bunnings – Cr Nardi to talk to Management

Riverlink – Cr Bromage to talk to Management

East Ipswich – Farr / Nathan / Jacaranda Street – Cr Nardi and Cr Morrow to talk to residents.

Barriers need to be ready for flooding of Jacaranda Street and Marsden Parade.

Council Infrastructure

- Colleges has now been cleared of infrastructure.

Patching will continue tomorrow, weather permitting.

Pontoons are breaking free from moorings.

Call centre to contact affected properties.

QAS
Question regarding Kruger Parade being flooded? ICC unaware of it.

QFRS – 1 swift water rescue team available.

Meeting Closed 9:05 am

Status – Lean Forward.

Next meeting:

8:00 am, Tuesday, 11 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

Date: Tuesday, 11 January 2011
Time: 8:00 am

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	8:05 am
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Minister for Transport, Rachel Nolan, Annabelle Johnstone (DCS) & 3 staff members, Keryn Anderson, Geoff Doyle, Julian Harris,
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale, Allan Roebuck

Update on Situation.

Predicted Levels
- Bremer 14.7 m later this afternoon
- Moggill 21 m later this afternoon.

Maps on levels currently being run.

Possibly 80 properties to be affected.

Need to start notifying residents in predicted effected areas.
Availability to use Emergency Alert System, need to request this through DDC.

QAS
- Limited Resources
- Need to submit request to DMG regarding transport vehicles able to go through minor road flooding.

ICC Call Centre
- 4 times the normal call volume
- Mostly calls regarding evacuations and where to go.
- Come online earlier than normal from After Hours.

- 15-20 calls for SES

SES
Currently have 40 Volunteers on board
Still issues with 132 500 number

Evacuations
- Currently one person evacuated, and put up in the hotel overnight.

Community Recovery Hotline Op

Meeting Closed 9:05 am

Status – Stand Up.

Next meeting:

2 pm, Tuesday, 11 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status - ***Stand Up***

Date: Tuesday, 11 January 2011
Time: 2:00 pm

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	2:05 pm
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Minister for Transport, Rachel Nolan, Kerryn Anderson, Geoff Doyle, Julian Harris,
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale, Allan Roebuck

Update on Situation.

Predicted Levels:

Bremer 16m
Moggill 15m

- Evacuation centre opened at Ipswich Show Grounds – 300 person capacity.
- DDC have approved
- Red Cross flying crews in.
- Additional evacuation centre at Boys Grammar
- One registration point.
- Looking at sites for people with disabilities.

BOM
- SEQ water dam level figures out shortly
- Expected peak is between 11pm and 1am.
- Rail line is out to Ipswich – buses are being used.

QPS

- unable to get past Marburg.
- 5 flood watch crews in Ipswich City Council
- Esk/Lowood Covered.

Advice to residents living in Brisbane?

EMQ – sending more support staff.
Asking people to self evacuate.

SES
- 40 staff
- 10,000 sandbags
- EMQ offered another 10,000 bags.

State Declaration has been made.

Need for more evacuation centres. – St Joseph's

Ipswich Showgrounds need more staff

Evacuation of elderly residents.

Need to contact Energex and Telstra for representatives to attend meeting.

Marburg-Rosewood bridge Collapse.

Meeting Closed 2:30 pm

Next meeting:

6:00pm, Tuesday, 11 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Tuesday, 11 January 2011
Time: 6:00 pm

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	6:00 pm
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Julian Harris,
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale, Allan Roebuck

Update on Situation.

Predicted Levels:

Bremer 22m
Moggill 22m

Need for Red Cross staff at Ipswich Show Grounds and St Joseph's. Council staff going to help out.

Ipswich Show Grounds to be the central Registration Centre.

Looking at Ipswich Community Church as another Evacuation Centre.

QUU

- Water sites clear at this stage
- Sewerage, 36 sites identified.
- Have removed assets where possible.
- Bundamba TP – 2-3weeks to recover if damaged.
- 2 supply of water if a catastrophic failure occurs.
- Southern Regional pipeline can supply water..

Call Centre
- As 4.30pm 4,000 calls had been received.
- Main enquiry is where to go if evacuated.
- 215 calls received since 4.30pm

DCS
- 9 Staff at Ipswich Show Grounds / Boys Grammar.
- Lifeline, Salvation Army and Centrelink approached
- Accommodation will be need for Respite & Care facilities for high needs patients.
- George Thorn Building – High Dependent residents – do they need to be moved.

Telstra
- No issue with network. – formal report requested.

Ipswich Hospital
- Skeleton Staff
- Hospital is currently full
- No issues with power

QAS
- Checked maps – Nursing Homes.
- Riverview – 190 patients to be moved to Chapel Hill – Cody to assist.

Ipswich motorway possibly cut at 6 mile creek.
Brisbane Road, 1m below bridge
Warwick Road at Deebing Creek is out.

Next meeting:

8.00 am, Wednesday, 12 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Wednesday, 12 January 2011
Time: 8:00 am

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	8:00 am
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Minister for Transport, Rachel Nolan, , Kerryn Anderson, Geoff Doyle, Julian Harris,
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale

Update on Situation.

Current level of Bremer River is 18.7, expected peak is 20.5m mid this afternoon
Maps on levels currently being run.

Representatives of the key agencies are required to man the LDMG command centre, Jarrah Room, Level 2 Hayden Centre, 37 South Street, Ipswich, from this point on.

The Recovery Centre will be set up on Level 3, and be operational later on today. Craig Maudsley has been appointed Local Recovery Coordinator. Key representatives from the agencies as well as Council staff will be involved in this ie, Engineering Services, Economic Community Development.

General Information:

- North Ipswich State School, has been set up as a temporary Field Hospital. The need for this hospital will be assessed as the flood waters recede.

- Booval/Bundamba people have been approached to self evacuate.

- Bundamba / Leichhardt Residents need to make decisions earlier regarding evacuating their properties.

- Revise impact flood levels

- Evac Centres
  - Ripley – 170
    - Are the facilities adequate for the number of people?
  - Boys Grammar - 170
  - Girls Grammar – 158/160
  - St Joseph's – 100/120
  - Ipswich Show Grounds
  - Leichhardt & Ipswich Golf Club
  - Issues at Centres
    - Not enough beds
    - Not enough lined

- Number of isolated areas ie Karalee

- Rosewood area requires a food drop

- Energex
  - Approximately 60 transformers in affected areas which need inspecting
  - Crews checking areas and returning power to those areas.
  - 15 crews at Raceview Depot
  - Need to check power supplies to Aged Homes ie Brassall Nursing Home
  - Helicopters are doing aerial inspections.

- SES
  - Lots of Rescues
  - 400 Jobs – mostly for sand bags.
  - Received 10,000 sandbags from EMQ
  - 3 flood boats
  - Need food for SES volunteers – Pam Lane – Qld Health has offered to feed them.

- QUU
  - 36 sites have been isolated.
  - Water infrastructure is intact at the moment.

- Road infrastructure
  - Maintenance Crews unable to get out and patch due to rain.
  - Road infrastructure will be inspected as part of the Recovery Process.

- QPS
  - Backlog of 400 jobs
  - Choppers have been activated this morning – rescue of 15 people from rooves.
  - Staff from Brisbane will be deployed to the region this afternoon

- Need to push the safety issue for people returning to their homes, high potential for electric shock. (Energex currently working on a plan – communications to be sent out to residents).
- Recovery centre – QPS Isolated phone line.

- DCS
  - Ripley Evacuation Centre requires, incontinence pads, first aid equipment.
  - 11 Staff currently trying for more.
  - Setting up a Community Recovery Centre at Show Grounds – Reception Centre.

- Red Cross
  - Currently have 8 staff, with an additional 18 staff arriving today.
  - Ipswich Show Grounds – food going well
  - Received bedding and blankets by 3am this morning

- QFRS
  - Require list of possibly inundated streets for the estimated peak height.
  - List of garages with power required.

- General
  - HPR (Recovery) 30 operational staff on standby
  - 6 cubicle shower block delivered to Ipswich Show Grounds
  - Security issues at evacuation centres
  - St Edmonds Schofield Centre is available if required
  - First Aid – St Johns Ambulance coming online
  - Evacuation centres are near to or over capacity
  - Riverview Nursing home evacuated. 76 sent to Chapel Hill, remaining patients sent to Ripley. Issue with patients being able to get into and out of the low camp beds.

- Ipswich Hospital
  - Is full, no spare beds
  - Running short on clean linen, but have a back up plan
  - Currently trying to free up some beds
  - Short staffed due to staff unable to get through flooded areas.

Next meeting:

3 pm, Wednesday, 12 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Wednesday, 12 January 2011
Time: 3:00 pm

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	3:05 pm
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Minister for Transport, Rachel Nolan, , Kerryn Anderson, Geoff Doyle, Julian Harris,
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale

Current level of Bremer River is 19.25 m.
Everything is currently on its way down. Looking at how soon the water will recede.

- Department of Communities
  - Recovery Centre opened at the Ipswich Showgrounds Showplace Centre at 11 am this morning.
  - Increase / decrease in numbers
  - Ripley – Hardship cases, elderly

- Annette Schoone (ICC)
  - Everything going well at the showgrounds
  - Need to get supplies through to Leichhardt.

- Julian Harris (ICC)
  - Calls are down on yesterday

- QAS
  - Everything ok
- SES
  - 450 jobs

- Energex
  - Redirection of resources, advised to make safe Brisbane
  - 30 crews available

- QUU
  - Still maintaining good water supply
  - 22 minor treatment plants inundated
  - Possibility of water grid supply restrictions – clarity within the next hour

- Ipswich Hospital
  - North Ipswich Field hospital too close
  - Linen is still an issue.

- General
  - Clarification of Red Cross role at Show Grounds.
  - Ripley needs coordination
  - ? MOU with Red Cross, currently 8 staff waiting on another 18.

Meeting Closed 3:25 pm

Next meeting:

8 am, Thursday, 13 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Thursday, 13 January 2011
Time: 8:00 am

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	8:05 am
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Minister for Transport, Rachel Nolan, Julian Harris, Greg Hoffman (LGAQ), Michael Anahn (Premiers Office)
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale,

Bremer River currently at 19.4 m
Weather

- Chance of showers for next few days.

Cleanup has begun.

- 2am crews started to clean up East Street.
- 4am QPS implemented traffic plan from David Trumpy Bridge – Straight through movement only.

- Red Cross
  - Currently operating to Evacuation Centres – Ipswich Show Grounds and Ripley
  - Issues at Ripley
    - Visit by EHO Steven Reeves
    - Dirty Laundry
    - Beds are to close to each other
    - Showers are inappropriate for the aged
    - Red Cross are going through the distribution centre to find clothing for the elderly evacuees at Ripley

    - 10 portable showers are being dispatched.
    - Towels are an issue.
    - Possibility of moving the aged to Chapel Hill.
    - Qld Health too look after the laundry issue.
    - Chapel Hill can take up to 121 people.
  - Christine Court evacuees – dementia patients. – Qld Health to send staff to Boys Grammar to assess the situation and patients.
- Ipswich Show Grounds
  - 500 people
  - Cleaning of facilities – HP&R cleaning staff to be sent out.
  - Enough food and water
  - Issue with people going back for seconds before children are being feed. Salvation Army would like to introduce a stamp system. LDMG have asked for the Salvation Army to make a public announcement regarding meals and review the situation, before going to the stamp systems.

- QPS
  - DDC requires numbers of evacuation centres twice daily.
  - Requires exact numbers of the houses and business affected by the flood.

- ICC to run modelling on the 19.4m level
- DDC requires 3 Situation Reports per day.

- Energex
  - 60 feeders are currently off
  - Assessing areas for possible power resupply
  - What do people do when they return home?
  - Firm information on power supply required for next meeting.

- Evacuation Centres
  - Riverview Community Centre – relocate to Ipswich Show Grounds.
  - Number of smaller centres are emerging.
  - Require a list of actual centres and the numbers in each
  - Require list of unofficial centres.

Next meeting:

3 pm, Thursday, 13 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Thursday, 13 January 2011
Time: 8:00 am

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	8:05 am
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Minister for Transport, Rachel Nolan, Julian Harris, Greg Hoffman (LGAQ), Michael Anahn (Premiers Office)
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale,

Bremer River currently at 16.9 m
Weather

- Chance of showers for next few days.

Cleanup has begun.

- 2am crews started to clean up East Street.
- 4am QPS implemented traffic plan from David Trumpy Bridge – Straight through movement only.

- Red Cross
  - Currently operating to Evacuation Centres – Ipswich Show Grounds and Ripley
  - Issues at Ripley
    - Visit by EHO Steven Reeves
    - Dirty Laundry
    - Beds are to close to each other
    - Showers are inappropriate for the aged
    - Red Cross are going through the distribution centre to find clothing for the elderly evacuees at Ripley

- 10 portable showers are being dispatched.
- Towels are an issue.
- Possibility of moving the aged to Chapel Hill.
- Qld Health too look after the laundry issue.
- Chapel Hill can take up to 121 people.

- Christine Court evacuees – dementia patients. – Qld Health to send staff to Boys Grammar to assess the situation and patients.

- Ipswich Show Grounds
  - 500 people
  - Cleaning of facilities – HP&R cleaning staff to be sent out.
  - Enough food and water
  - Issue with people going back for seconds before children are being feed. Salvation Army would like to introduce a stamp system. LDMG have asked for the Salvation Army to make a public announcement regarding meals and review the situation, before going to the stamp systems.

- QPS
  - DDC requires numbers of evacuation centres twice daily.
  - Requires exact numbers of the houses and business affected by the flood.

- ICC to run modelling on the 19.4m level
- DDC requires 3 Situation Reports per day.

- Energex
  - 60 feeders are currently off
  - Assessing areas for possible power resupply
  - What do people do when they return home?
  - Firm information on power supply required for next meeting.

- Evacuation Centres
  - Riverview Community Centre – relocate to Ipswich Show Grounds.
  - Number of smaller centres are emerging.
  - Require a list of actual centres and the numbers in each
  - Require list of unofficial centres.

Next meeting:

3 pm, Thursday, 13 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Thursday, 13 January 2011
Time: 3:00 pm

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	3:10 pm
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Minister for Transport, Rachel Nolan, Julian Harris,
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale, Brooke de Jong, Craig Maudsley

Update on Situation.

Current level of Bremer River is 15m at the Town Bridge, predicted to drop to 11m by 5am tomorrow.

IGA and Woolworths trucks have been seen around town.

- Evacuation Centres
  - Need to check on food supplies
- Recovery
  - Rubbish/debris is to be put on footpath for collection, by recovery team.
  - Compiling a list of Electricians in the area.
- Volunteers
  - Spreadsheet is being compiled listing time and resources being offered.
- Economic and Community Development
  - Talking to affected business within the district
  - EHO's will inspect affected food premises.
- QFRS
  - Rapid Assessment teams are collating data on properties – photos, information of flood inundation.

- Category / Ranking system for affected properties
- Should have information compiled by COB tomorrow.

- Call Centre
  - Have been busy
  - Have received calls from people asking what they can do to help
  - Enquiries regarding refuse collections.
- DCS – Recovery Centres
  - Several hundred people have applied/received payments.
  - A bus load of people needing to be processed arrived today, as staff were closing. Centrelink are looking after these people.
  - Staff will be visiting Boys and Girls Grammar today to process emergent payments.
  - Staff will go to St Joseph's tomorrow.
  - ICC have provided space for DCS to use, as their office was flooded.
  - Riverview Gardens evacuees maybe able to go home. Garry from Energex to confirm that power has been restored in that area. Need to stock provisions before patients return.
- Energex
  - Identifying unaffected areas restoring power to those areas
  - 48 high voltage feeders are still out
  - Using helicopters for aerial inspections on assets.
  - Roderick street substation starting to comeback on line.
  - Could be days or weeks before power is fully restored to district depending on the damage to Energex assets and clearance by Electricians to restore power to private residences.
- QUU
  - Water supply is operating normally
  - Marburg / Lockyer Valley have been issued with precautionary advice to boil water before drinking.
  - Treatments will have visual assessments carried out on them once water recedes.
- EMQ
  - Working with QFRS and recovery team to facilitate clean up
- SES
  - Lot of requests for food and fuel starting to come in.
  - Coles and Woolworths at Riverlink are open for business.
- QPS
  - Nothing further to add.
- ADS
  - ADS help has been approved.
  - 100 people (unskilled)
  - Some specialist equipment.
- Minister for Transport – Rachel Nolan
  - QUANTAS has donate several thousand meals – TBC
- General
  - Donations for those affected locally can be donated to the Mayors Community Fund
  - Need PPE for volunteers ie gumboots, gloves etc.

Next meeting:

9am,Friday, 14 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Friday, 14 January 2011
Time: 9:00 am

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	9:00 am
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Minister for Transport, Rachel Nolan, Julian Harris, Bob Abbott (LGAQ)
Guest:	Governor, Penelope Wensley
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale,

Update on Situation.

- Current level of Bremer River is 10.4
  - Forward forecast – Showers/Storms for Monday and Tuesday.
  - Wivenhoe currently releasing 3,500 m^3/s till Tuesday.
  - Cold room being sent to Karalee, as well as mobile phones and medical supplies.
  - Access to Karana Downs?

- Recovery
  - West of One Mile, very little infrastructure damage. (crews in this area will operate as per normal).
  - 30% of the CBD has been inspected by EHO's
  - Coles – internal structure will be bulldozed.
  - Question regarding gas cylinder safety – working with QFRS regarding this issue.
  - Pound will need to be guttered and refitted. Number of animals at secondary site at Ipswich Show Grounds has dropped from 350 to 150.
  - Redbank Plaza lost power to top floor. EHO's have stopped supply of food on this floor.

- Recovery Operations Centre on fourth floor is for operational personnel only, all others will be asked to leave.
- IWS skips have been place in affected areas.
- JJ Richards bins have been placed in Goodna.
- Qld health have organised immunisation program with Council staff and SES volunteers.
- Riverview Depot is operational.
- Volunteer strategy implanted this morning – matching volunteers to affected neighbourhoods.
- Health issue for Karalee regarding septic tanks with out power for a period of time.
- Temporary stock piles of rubbish around town, then being trucked to Transfer stations.

- EMQ
  - 150 volunteers out today
  - Received advice that the State was asking the LDMG for their approval to allow traders to extend their trading hours for an undefined period.
    - QPS would like a listing of those who are partaking in the extended hours.

- Red Cross
  - Head Count as of 11 pm last night 235 Ipswich Show Grounds and 105 Ripley.

- Evacuation Centres
  - Possible chicken pox case – family moved to Metro International Hotel as a precaution. Examined by a health professional, possibly an upper respitory infection.
  - Staff also isolated families possessions.
  - Facilities need to be cleaned twice a day.
  - Concerns regarding operation of centres
  - Council staff to manage warehouse at Ipswich Show Grounds.
  - Could we possible hold a minor town meetings at evacuation centres so that residents can ask questions
  - Eating area at show grounds needs to be redesigned. Qld Health are assisting with this.
  - Aged persons at Ripley are moving back to their facilities at Riverview – 87 persons.
  - Evacuation centres are being consolidated.
  - St Joseph's will close today
  - Avon Hall will close today
  - Karalee is currently sleeping 100 but feeding more.
  - Westpac mobile banking is going to the showgrounds.

- DCS
  - Contact number for their offices at 50 South Street is 3810 6700.
  - Out reach teams to be sent to affected areas.
  - If you are unable to get to a recovery centre you can ring 1800 173 349.
  - Shiloh evacuation centre being closed? Not being closed by Council
  - Tivoli caravan park informal evacuation centre?

- Julian Harris
  - Spike in calls
  - Number of volunteer calls is increasing
  - Call from volunteer regarding SES stopping people helping in the Goodna area.

- Qld Health/Ipswich Hospital
  - Request for medical supplies to be sent through to Pam Lane.
  - Reconfiguring staff to run emergency department
  - Immunisation centre being setup

- Energex
  - 63,000 premises without power in Qld
  - 15,000 in Ipswich and surrounds – halve that number for Ipswich alone.
  - Hoping to reduce that number by half by COB
  - Energex contact number is 13 62 62.
  - 50/60 field crews for response
  - Question raised regarding solar panels. Panels are meant to shut down if there is a power failure. If residents are concerned they need to ring Energex.
  - QFRS have a safety brief regarding solar panels.

- QFRS
  - Rapid assessment team hope to have 30% of the city inspected today.
  - Asked to extend the inspection to Rosewood.
  - Resources available through EMQ

- QPS
  - Visited evacuation centres, no real issues / concerns.
  - Karalee to be visited today.
- ADS
  - Keen to be deployed.
  - 120/130 staff
  - Fire fighters and army
  - Bobcats and skid steer loaders
  - ADS to meet with Craig Maudsley.
- QUU
  - Water supply intact
  - Sewerage treatment plant doesn't seem to be as badly damaged as first thought.
  - Number of smaller plants have been inundated.
  - Water main breaks are being watched and prepared for.

Next meeting:

3pm Friday, 14 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Friday, 14 January 2011
Time: 3:00 pm

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	3:10 pm
Attendees:	Cr Trevor Nardi, Tony Trace, Arie Van Den Ende (SES), Brooke de Jong, Mark Kelly (EMQ), Peter Dennis (QAS), Mark Stephens (QAS), Carl Wulff, Errol Pearce (QFRS), Minister for Transport, Rachel Nolan, Julian Harris, Deputy Premier – Minister for Health Paul Lucas.
Minutes:	Kerrie Tillack
Apologies	Mayor Cr Pisasale, Allan Roebuck

Bremer River is currently 9.4m.

Consolidation of evacuation centres.
Need to source a cold room – 500 people at Karalee, no power
Other centres running well.
Hopefully closing showgrounds by Wednesday.

- QFRS
  - Working on data gathered by the Rapid assessment team, so that it can be sent to Council.
  - Working on having 80% of information captured by this afternoon.
  - Control centre is open 24hrs
  - Committing whatever resources are required.
  - Karana Downs if Brisbane can't support, then Ipswich possible can.

- EMQ
  - 120 volunteers in the field
  - Require assistance to clean houses.
  - Hoping to complete door knock for volunteer permission to enter premises to assist clean up should be finished by 4pm tomorrow.

- SES
  - Request to clean Bundamba State School. Should this be locked after by the state?
- QAS
  - Assisting with the move of patients from Ripley and Chapel hill back to Riverview Gardens. Should be complete by Sunday.
  - 10 paramedics coming in on Sunday to assist staff.

- Annette
  - Boys Grammar is closed
  - Girls Grammar to close tomorrow
  - St Joseph's is being relocated to Show grounds.
  - One thousand food parcels being prepared by the Muslim community, not sure on the ETA.
  - Show grounds should be fine for the weekend.

- Julian
  - 1,850 calls today
  - Increasing number of volunteers
  - Greater awareness of teams of volunteers coming
  - Traffic control maybe needed this weekend.
  - Staging points for distribution of items?

- QPS
  - Increase patrols to flood affected areas

- Qld Health
  - Consolidation effort to Show Grounds
  - Setting up regular supply of clean linen
  - ED very busy last night.

- TMR
  - Colleges Crossing still closed
  - Structural experts assessing assets.
  - All local roads open to legal limits

- ADS
  - On ground today
  - 120-150 personnel
  - Rubbish removal from streets
  - Tony Trace to organise maps of the area.

- ICC Recovery
  - Strategic roads to be fixed first
  - Prepared to task ADS resources
  - Sourcing additional resources.

Deputy Chair, Councillor Trevor Nardi would like to take this opportunity to thank everyone for their hard work during this event. It is through the hard work of all of us within this group and the staff associated with the members that we are able to stand tall as a city through this devastating and emotional time. Once again please pass on his thanks to all staff who has assisted throughout this event.

Next meeting:

9am, Monday, 17 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Monday, 17 January 2011
Time: 9:00 am

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	9:00 am
Attendees:	• Cr Trevor Nardi (Deputy Chair) • Tony Trace (Executive Officer) • Carl Wulff (ICC CEO) • Mark Roche (QFRS) • Troy Solton (QPS) • Tom Parsonage (QAS) • Peter Dennis (QAS) • Col Neil (EMQ) • Peter Conelius (NSW Police – EMQ) • Julian Harris (ICC) • Annette Schoone (ICC) • Alex Pelevin (TMR) • Paula Janssens (TMR) • Gary Madigan (Energex) • Tim McInerny (Red Cross) • Shawn Ingle (QG – Minister for Transport, Rachel Nolan) • Robert Sutherland-McLeod • Pam Lane (QH) • Barry Pearce (QFRS) • Maj Tony Smith (ADF{LO})
Apologies	Mayor Cr Pisasale,
Minutes:	Kerrie Tillack

Update on Situation.

Current level of Bremer River is 8 metres and has stabilised, due to the continual release of water from Wivenhoe Dam. Combined water out put from both Somerset and Wivenhoe Dams is 2.6 million megalitres

Closures:
King Edward Parade and Marsden Parade are expected to open Friday.
Trains lines are closed from Darra, due to the Goodna Station refurbishment. Buses will be running between Rosewood and Darra.

Evacuation Centres:
Currently manning 4 evacuation centres, this should reduce to 3 by close of business today.

Ipswich Local Disaster Coordination Centre has been closed as of 8 am, Monday, 17 January 2011.

Recovery

- Recovery centre is operating quite well
- West of One Mile / Leichhardt there is very little damage, so crews will be operating as usual.
- 4 SES Crews going street by street gathering information for clean up.
- Qld Health have supplied 4 EHO's
- 873 business with health issues require a second visit by EHO's by the end of the week.
- 4 teams are out within the community giving advice on public health issues.
- Vector Control program is ramping up.
- Pound is back up and running, but still needing to run the secondary site at the Ipswich Show Grounds. Operating hours at Show Grounds is 6am – 6pm.
- Clean up crews have been organised for night works, as it is impossible to get through to do the clean up during the day for the sightseers.
- Using a mini tanker to fill up volunteer vehicles and plant, need to source additional tanker.
- ADF staff deployed in the following areas
  - Goodna – 150
  - Karalee – 120
  - Booval – ?
- Waiting on the tonnage amount of rubbish dumped at Veolia and Theiss sites.
- 100 skips have been placed around the community.
- Program for empting septic tanks is being run in Karalee and Bundamba.
- 2 volunteer registration centres were setup at Briggs Road and Camira.
- 630 registered at Camira and 590 Briggs Road, 100 have registered at Camira today.
- Volunteers are asking if they will be needed next week.

QFRS

- Saturday and Sunday broke the back of the clean up.
- No getting calls to specific residences.
- Will monitor daily as to where they need to be.
- Will be using the planned / manage approach today.
- Have heard media reports (94.9) that if you need your home cleaned out to contact the radio station, need this information to be directed to Council.

QPS

- Food banks – If these are to be set up, need to think about how they will be managed in regards to security and safety. (Possibility of a food bank being run by the Salvation Army at their Cole Street Store at Bundamba.

- Running looting patrols in worst affected areas.

Call Centre

- Still operating 24/7, will contact Brisbane to see if we can hand back after hours operations today.
- Volunteer contact register is working well.
- Receiving calls about asbestos. – Issue will be when people are using a gernie to hose off asbestos rooves.

Energex

- Some pockets will be off a little longer due to 2 high voltage lines being washed away ie Kholo
- Cleaning of transformers is currently in progress, they will need at least a day to dry out.
- 140 crews in the western area.
- Safety is still an issue for residents returning home and turning power back without it being checked.
- Crews are checking house by house in smaller areas.
- Polar Ice is now operating.

EMQ

- SES will be in North Booval.
- 44 people in area.
- SES are back to normal operations.

QAS

- Riverview Gardens residents are now back in their own beds.
- Have seen a drop off in workload.
- Calls in relation to home oxygen tanks have dropped off.
- St John's Ambulance are operating a mobile field support in Goodna.
- Advised that Tom Parsonage is now the QAS Liaison.

Ipswich Hospital

- GP Clinic closed at 9pm.
- Operating a GP Clinic at Goodna
- Annette Schoone raised concerns with a 7 day old baby (home birth), is unsure of whether the baby has been checked by a health professional or not.
- Immunisation clinics are being run at Ipswich and Goodna.

QUU

- 36 sewerage pump stations have been cleaned.
- Will priorities the repairs for theses stations today.
- Crews operating 24 hours
- Precautionary advice is still issued for Marburg.

ADF

- Have advised that members of the public are unsure what to do, and asked if there were any pamphlets they could hand out to the public.

TMR

- Great effort to get network back in operation.
- Seymour White and Origin Alliance have offered assistance.

Red Cross

- Visited sites with Annette Schoone.
- Advise that Shiloh and Karalee are now only day sites, and Redbank State School is now closed.

General

- The issue of housing was raised. How will we house those evacuees that are unable to return to their damage homes?
- A Housing Committee is to be set up. – Tony Trace to organise.

Status – Stand Up.

Next meeting:

9:00 am, Wednesday, 19 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Wednesday, 19 January 2011
Time: 9:00 am

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	9:00 am
Attendees:	• Cr Trevor Nardi (Deputy Chair) • Tony Trace (Executive Officer) • Carl Wulff (ICC CEO) • Mark Roche (QFRS) • Troy Solton (QPS) • Tom Parsonage (QAS) • Peter Dennis (QAS) • Col Neil (EMQ) • Peter Conelius (NSW Police – EMQ) • Julian Harris (ICC) • Annette Schoone (ICC) • Alex Pelevin (TMR) • Paula Janssens (TMR) • Gary Madigan (Energex) • Tim McInerny (Red Cross) • Shawn Ingle (QG – Minister for Transport, Rachel Nolan) • Robert Sutherland-McLeod • Pam Lane (QH) • Barry Pearce (QFRS) • Maj Tony Smith (ADF{LO})
Apologies	Mayor Cr Pisasale
Minutes:	Kerrie Tillack

Update on Situation.

Weather –
- Storm last night – 10-20mm in catchment.
- Another predicted for tonight

Current level of Bremer River is 3.3 metres
Gates shut at Wivenhoe

All roads are currently open.
Mt Crosby Weir is open.
Colleges Crossing possibly opening on Friday.

One Mile Bridge is closed at Lobb Street.

Evacuation Centres:
Show Grounds
Karalee and Riverview are day centres only.

Recovery

- Number of Council and SES teams have been sent out to gather intel.
- Public Health
    - 225 Commercial properties with possible Public health issues. Worse case is 900 properties.
    - Inspection hopefully completed by the end of the week.
    - Possible environmental issue at Six Mile Creek – DERM looking into this.
    - Mosquitoes – looking at bulk baiting of larvae
- Teams still working 24 hours
- Night work will continue til Thursday. Day shift will recommence as of Friday.
- Bulk removal of debris has been done.
- As at 6pm Tuesday, 8,761 tonne had been removed to landfill.
- DERM are concerned with the temporary stockpiles of debris.
- 8-10 Trucks are being used for the emptying of septic tanks in the Bundamba and Karalee areas. They are going property x property. There is strict criteria in place for the pump out of septic tanks.

Volunteers

- Difficult to manage, as there isn't many areas to send them.
- Matching volunteers to homes within there areas.
- Camira volunteer centre is closing
- Briggs Rd Centre closing, but on standby.
- Great wave of volunteers was great, but throwing things out that didn't need to be thrown out or of sentimental value to property owners/occupiers.
- Mini tankers to refuel plant were stood down on Tuesday.

DCS

- 3 Major Recovery Centres, Bremer TAFE, Ipswich Show Grounds, The Park/
- Out posts at Karalee and Shiloh Church.
- 122 staff.

- $3,602 in personal hardship payments
- 564 application for household grants
- 215 application for structural assistance.

Business Recovery

- Three (3) business recovery centres set up – South Street, Shiloh Church and Division 10 Office (Rosewood).
- 91 applications for funding.
- 460 business affected
  - Some still in shock
  - Some will be making the hard decisions this week.

Energex

- 1,400 without power – Ipswich figure is less than that.
- Goodna – work still needs to be done in this area.
- Form 3's will be issued to customers who need inspections by electricians prior to reconnection.
- Power should be returned by Thursday, to all those that can be reconnected safely.
- Meters for inundated properties have a 2-3 weeks wait.
- Storms are impacting on response.
- Network is currently in pretty good shape.

QUU

- 29 pump stations still off line.
- Treatment plants are functioning.
- Significant number of stations back on line by Friday.
- Water is on everywhere.
- Precautionary advice regarding water wont be lifted till early next week.

Call Centre

- Call volumes are still high.
- 50% are non flood related enquiries
- Back track to see if everyone who requested help received it.
- Slowing getting back to normal.
- Still quite a lot of understanding from the community.

QPS

- Law & Order – increased presence around evacuation centres. Also looting patrols are in place.

EMQ/SES

- Due to be a rest day today, but the storm has changed that.
- 500 calls – ¼ of that for Ipswich
- 12 Jobs in the Camira Area.

- Couple of houses have yet to be cleaned – Address to be sent to Craig Maudsley.
- Sandbags – if residents have rotting bags the can pick up new ones from SES

QAS

- No issues, operating as normal.
- Fernvale St Johns Ambulance Station is closed.

TMR

- Moggil Ferry – winch is under water.
- Colleges crossing is still under water.
- Train Services – 1 line open as far as Booval, possibly East Ipswich
- Goodna Station is still a concern.

Ipswich Hospital

- Back to normal
- Immunisation Unit setup at good – 400 Tetanus

Cr Nardi

Community meeting at 6pm at Karalee

- Ipswich Hospital staff to attend.

Status – Stand Up.

Next meeting:

9:00 am Friday, 21 January 2011.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Up'*

Date: Friday, 21 January 2011
Time: 9:00 am

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	9:00 am
Attendees:	• Cr Trevor Nardi (Deputy Chair) • Tony Trace (Local Disaster Coordinator) • Carl Wulff (ICC CEO) • Kev Crossingham (QAS) • Bill Kennedy (QFRS) • Jerry Dudzinsixi (St Johns) • Craig Maudsley • Annabelle Johnstone (DCS) • Cr Cheryl Bromage • Col Neil (EMQ) • Laurie Mundt • Julian Harris • Gary Chalmers (Energex) • Russell Cross (Energex) • Major Tony Smith (ADF LO) • Rachel Nolan MP (Minister for Transport & Member for Ipswich)
Apologies	Mayor Cr Pisasale
Minutes:	Kerrie Tillack

Deputy Chair Trevor Nardi on Behalf of Mayor Paul Pisasale would like to take this opportunity to thank all those who have been involved in the Flood Event for their efforts and assistance. Please pass on their thanks to all those involved, their help has been greatly appreciated.

Situation Update:

Tony Trace:
Weather - fine weather has been predicted for the next 3-4 days.

Had a minor event with the storms on Wednesday evening, at the Rosewood and Marburg detention basis as well as at Tallegalla. Visual inspections were carried out at Rosewood and everything was fine.

Assessments will be carried out on both detention basins within the next few weeks.

Recovery:

- Currently going well.
- Debris will be collected from inside property boundaries, but property owners will be asked to sign an indemnity first.
- Possibility of crews being on permanent pickup for at least 2-3 weeks.
- There are people in unaffected areas putting rubbish on the footpath. These people will be issued with a warning notice to remove rubbish. If they fail to do so, they will be issued a fine.
- An extra 20 EHO's will be on board today.
- One thousand affected homes have been given public health advice.
- Vector Management will be ramped up.
    - 30 key larvae sites have been identified.
    - Fogging will take place tomorrow at Goodna, Bundamba and Karalee
- Possible environmental risk at Turley Street
- One property at North Ipswich has been identified as a public health risk.
- Police assistance has been required on one occasion to enter a property.
- Sunday will see a lower level of activity as we use this as a fatigue management day.
- CBD is currently being cleaned every night.
- 95% of Karalee has been completed
- Still a lot of work to be done at David St, North Booval
- One formal asbestos removal done.
- Volunteer Registration Centres are now closed.
    - Volunteers are directed to call the Council switch and will be matched to people requiring help.
    - Volunteers have been great.
    - Volunteers may be stopped from entering streets where ADF are working.
    - Ask volunteers to park away from the streets which are being worked on, so that the machinery can get through.
    - Requests from tradies, maybe a couple of weeks early, as some homes are still cleaning up and coming to terms with the aftermath of the flood.

Laurie Mundt (Office of Economic Development):

- 138 grants for assistance have been received
- Information session are still continuing – will review the need for sessions after today's sessions.
- Free trauma counselling is being offered.
- 30 pallets of cleaning products are arriving today.
- Chamber of Commerce – Shop locally campaign has been kicked off.

Julian Harris (Call Centre):

- Twelve hour shifts, 5 days a week from Monday.

- Two thousand calls per day have been received, normal call volume is around 775 per day.
- Main enquiries coming through – 60% non affected residents.
- Call Centre will return to BUA.

Annabelle Johnstone (DCS):

- Statewide Housing Task force has been established
- Show Grounds Closing today?
- 86 people still requiring housing
- Recovery team will be moving from South Street to George Thorn Building (Thorn ST), IT systems will be moved by Wednesday next week at the latest.
- Staff helping with Indigenous issues
- 5,000 application for assistance have been received – equating to approximately $2 million

Energex:

- All power supply has been returned.
- Only 9 premises are not ready for power supply, hopefully this will be back on today.
- Will be a dip in Energex teams this weekend as the manage fatigue.
- Working 12 days on 2 off.

QUU:

- 16 sewerage pump stations are still offline
- Visual inspections being carried out.
- Bundamba and Goodna Water Treatment Plants have been restored to primary stage. Will be at least another 3 months before they are fully operational.
- Marburg is still under the precautionary advice, hopefully this will be removed today.

TMR:

- Mt Crosby Road, quite a lot of damage.
- Two crews are busily working to restore it.
- Structural checks will be carried out on the Colleges Crossing bridge today and will hopefully be opened by Sunday night.
- Five Mile bridge is now open
- Now in restoration phase – have moved staff from Ipswich Motorway Upgrade to Warrego Highway.
- Weir still closed.
- Update from SEQWater – Alex Pelevin to chase up.

EMQ:

- SES will resume BUA.

QFRS:

- Maintaining level of commitment
- Three strike teams are currently in Ipswich
- Returning to BUA
- Rural Crews are housing out homes.

QAS:

- Additional crews are starting to be wound back.

St Johns Ambulance:

- Units in North Booval, Goodna, Karalee and Bundamba
- 20 interstate volunteers available till Monday night.
- Where will the be needed? Craig Maudsley suggested they work with the ADF in these areas.

Next meeting:

9 am Friday, 28 January 2011.
Jarrah Room, Level 2 Hayden Centre,
37 South Street, Ipswich.

City of Ipswich

Minutes

Ipswich City Local Disaster Management Group Meeting

January 2011 Event

LDMG Status – *'Stand Down'*

Date: Friday, 28 January 2011
Time: 9:00 am

Jarrah Room
Level 2, Hayden Centre
37 South street
Ipswich Qld 4305

Meeting Opened:	9:05 am
Attendees:	• Cr Trevor Nardi (Deputy Chair) • Tony Trace (Local Disaster Coordinator) • Craig Maudsley • Annabelle Johnstone (DCS) • Cr Cheryl Bromage • Laurie Mundt • Julian Harris • Rachel Nolan MP (Minister for Transport & Member for Ipswich) • Annette Schoone • Arie Van den Ende • Bruce Morton (Qld Health)
Apologies	Mayor Cr Pisasale, Carl Wulff (ICC CEO)
Minutes:	Kerrie Tillack

Next Meeting will be held on the 15 February for a debriefing. Meeting Notices will be sent out for this meeting.

Recovery Group will be established at the next Council Meeting which will be held on Monday, 31 January 2011. This group will be chaired by Mayor, Cr Paul Pisasale.

LDMG is official stood down, as of 4.30 pm today.

Update on Recovery:

- Bulk of debris material has been removed with the exception of Goodna.
- Residents in affected areas need to ring and arrange for a skip to be delivered prior to cleanup.
- Current issue with the removal of flood affected vehicles. Council is required to contact the owners twice prior to removal of vehicles or get the owners to sign an indemnity.

- 21,000 tonne of debris has been removed from around the city to date.
- Health officers have visited over 2,000 homes to offer public health advice.
- Officers have are on their third round of visits to 900 commercial premises.
- Have picked up a number of unlicensed premises through these visits.
- Currently an issue is before the courts in relation to a resident refusing allow people to clean up the property. Divisional Councillor is aware of the issue. Hoping to have a decision later today.
- Mosquito and vector issues will be monitored.
- Number of people in unaffected areas dumping rubbish on footpaths. HP&R will issue warnings to these people, then issue a fine and a bill for clean up if it isn't removed.
- Removal of rubbish in Goodna will continue.
- Continue to have issues with business dumping rubbish on footpaths within the CBD. They need to call and arrange a skip.
- 2 boystown crews will be raking footpaths within the affected areas.
- Empting of septic tanks has been completed approximately 20 kilolitres of waste material was emptied in the Karalee, Bundamba and North Booval areas.
- Moving flood affected sporting groups to other grounds, so that they can start/continue with there sporting season.
- Skip required for 17 Keith Street, Bundamba for this weekend.
- Request for information on the type of poising being used for fogging to be provided to Cr Nardi, so that he can pass on the information to the Bee Keeping Society.
- Street sweeping program will start this afternoon.

Call Centre

- Back to normal hours
- Currently receiving 1,600 calls per day – double the normal volume
- Public requirements have shifted.
- Matching volunteers to affected areas, worked well – some minor issues with volunteers not turning up, then when they did they weren't required.
- Now steering volunteers towards the link on Council Website.
- Have a number of groups looking for projects – This will need to be forwarded to the Recovery Group.

Laurie Mundt

- Now entering into the Business Recovery Phase
- 211 applicants received their money on Monday, 24 January.
- Trauma Counselling has been well used.
- Receiving lots of offers for goods and services. – Recovery Group to look at this.
- Also Apex, Rotary and Lions Group are looking to get involved in projects. – Laurie to get a list of affected sporting clubs from Craig Maudsley, for these groups to possibly assist with.
- Have been trying to get an idea of the economic impact of the flood from a desktop perspective, but this is unachievable. Will cost approximately $50k-$60k for a survey on this, funds are not currently available.
- Question raised on volunteer thank you day at Goodna, they had received a few enquiries, members unaware of this.
- Craig Maudsley mentioned that he was looking into a report of a proposed street party on the 12 February at Brisbane Terrace, Goodna.

Annette Schoone

- Ipswich Showground Evacuation Centre will close as of 4.30 pm this afternoon.
- 50 people were there last night.
- People have been rehoused, those still waiting will be put up in a motel for a maximum of 1 week.
- There is an issue of a family living in a tent and refusing to leave. – Possibility of these people not having been affected by the flood. – Annette to follow up with Brooke
- Media release for the closure of the evacuation centre will be put out.
- Distribution Centre at the show grounds is closing.
- Lifeline are the only charity in position to take stock from the distribution centre.
- Laurie Mundt advised that the Rail Museum has offered storage space over there.
- Insurance Council will be holding 3 public meetings – 8 February at Bundamba, 9 February at Goodna and 10 February at Karalee.
- Look at getting BSA and John Adams at these meetings as well – Tony Trace to follow up.
- Craig Maudsley made comment that Council has received requests from residents for formal letters advising that their property has been inundated. These requests have been declined.
- Craig also made mentioned that there is a total mortgage freeze across Ipswich – Issue to be put to the Recovery Group.
- Lot of requests for Council to support charity events, these events are to be sent through to Susan Yates.

Department of Communities

- 7,500 grants have been paid, totalling $2.96 million.
- 1,400 Household Contents applications received. Visual assessments are normally carried out, this assessments are being assisted by maps supplied by Brisbane Office. Visual inspections will be carried out on properties where the inundation lines are not clear.
- 541 Structural assistance application received. Of these approximately 250 eligible. Staff carrying out 48 inspections per day.
- New grant for Essential Services (ie Electricity, Gas, Water and sewerage) is being announced. $200 per service. $4,200 for repair work – this will be means tested. 1 application received so far.
- 700 applications received for Premiers Disaster Relief Fund (applications received through office)
- Rapid response teams will be out today to assess the structural assistance claims.
- Hardship applications have dropped from 1,000 per day to approximately 200 per day.
- Bremer Waters have approximately 99 affected units. Staff were unable to make contact with residents of approximately 58 units. Working with residents regarding re housing whilst repairs are being carried out. Legal Aid are assisting residents.
- Major Recovery centres will close on the 10 February. People can still make contact with the department through the 1300

Qld Health

- No public health issues have been reported.
- Will be keeping an eye out for vector born infections.

SES

- Winding down activities
- Teams in Grantham
- Returning to BUA.

Minister for Transport – Rachel Nolan

- Made mention that Arie received an award this week.

to

Next meeting:

2pm Tuesday, 15 February 2011
Rosewood Room,
Level 1 Hayden Centre,
37 South Street, Ipswich.

Ipswich City Situation Report (SITREP)

Event: __Rain Event X-mas 2010_

FROM:	TO: Ipswich City LDMG Ipswich and Somerest DDC
Ipswich City Local Disaster Co-ordinator	

Date	Time	Sitrep No.
23rd December	7:00am	1

1. WEATHER

Local observations:

Overnight:

Approximately 15mm of rain across most of the catchment for past 24 hours.

Catchment Summary:

Western Ck -

- Grandchester .35m (R),
- Kuss Rd .84m (S),
- Spressers Br. 2.07m (S)
- Rosewood WWTP 1.18m (S)

Franklin vale -

- Greys Plains Rd .84 (R).

Bremer -

- Adams Br 1.31m (R)
- Stokes Xing 1.1m (S),
- Rosewood 1.94m (S)
- Walloon 2.22m (R)
- Three Mile peaked at 8.65m (S)
- One Mile peaked at 5.55m (S)
- Brassall 3.83m (S)
- Ipswich peaked at 2.15m (F)

Warrill -

- Kalbar 75.2m (S),
- Harrisville 1.38m (S),
- Amberley 2.7m (F).

Purga -

- Peak Xing .81 (S)
- Loamside peaked 1.52m (S),

Bundamba -

- Ripley 0m (S) (49.77AHD)
- Harding .18m (S) (20.78AHD)
- Blackstone .45m (S) (15.39AHD)
- Bundamba School 11.98 (R)

Woogaroo -

- Upper Woogaroo .35m (R)
- Opossum .35m (R) (19.85AHD)

Detention Basins -

- Marburg basin .7m (R)
- Rosewood basin .1m (S)

Brisbane -

- Wivenhoe TW 32.31 (Falling since 3pm 22/12/2010)
- Savages 8.29m (F)
- Burtons 7.08m (F)
- Kholo 13.96m (F) 2.06m over bridge
- Mt Crosby 10.53m (F)
- Colleges Xing 8.26m (F) 4.70m over bridge

Note: Closure of Wivenhoe Dam gates commenced at 3:30am this morning.

Forecast for Thursday

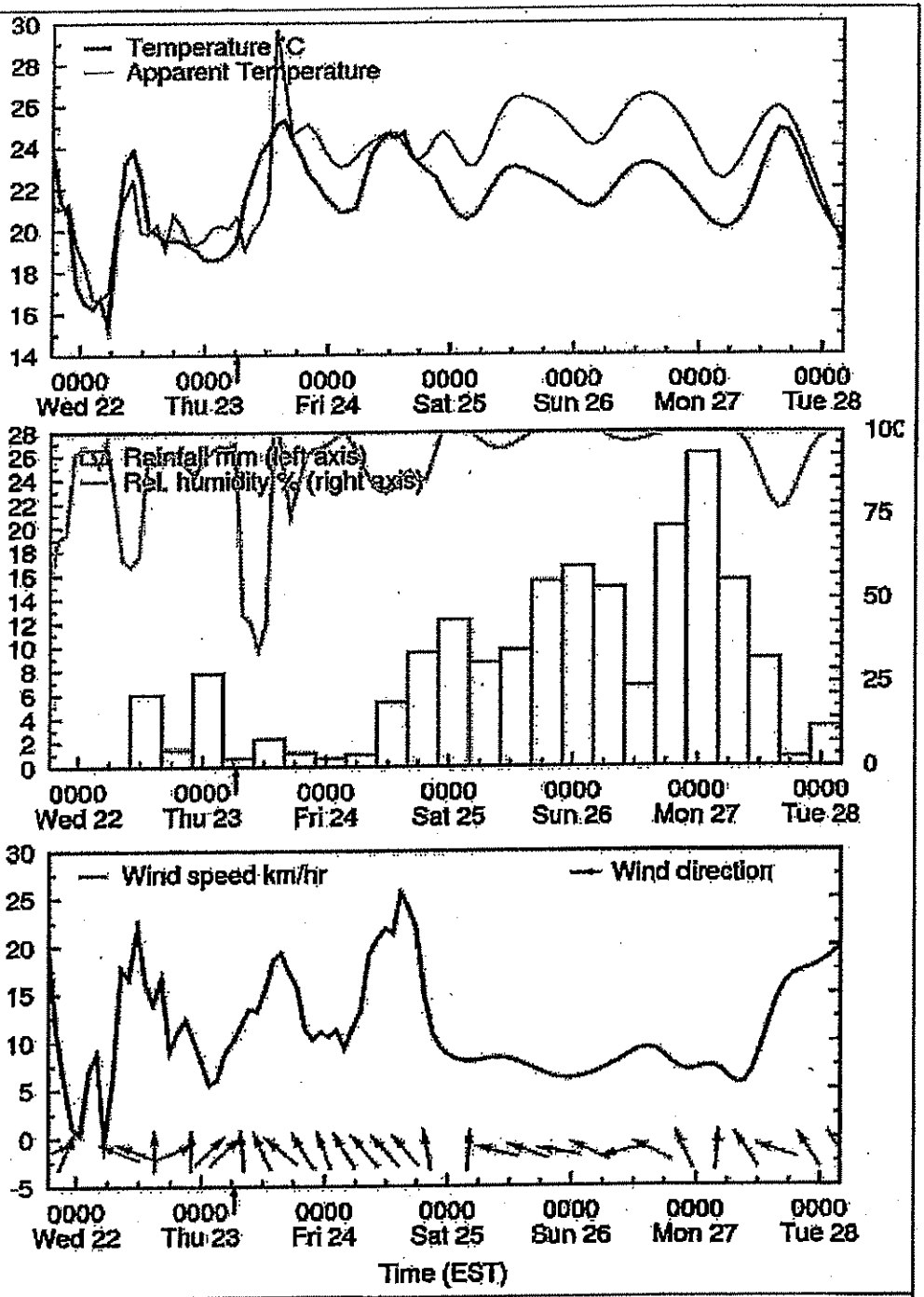
Rain easing to showers. A possible afternoon thunderstorm. Light to moderate S to SE winds.

Precis: Rain easing to showers Max 27

UV Alert from 7:30 am to 4:10 pm, UV Index predicted to reach 16 [Extreme]

Friday	Rain increasing	Min 21	Max 27
Saturday	Rain at times	Min 21	Max 26
Sunday	Rain at times	Min 20	Max 26
Monday	Rain at times	Min 21	Max 26
Tuesday	Rain at times	Min 20	Max 26
Wednesday	Showers	Min 20	Max 28

Over expectation is for 100 to 200mm of rainfall over the next 5days.



Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Nil
Rail:	Nil
Aviation:	Nil
Marine:	Nil
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network:	Nil

Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Colleges Crossing and Kholo Bridges are currently crossed, but expected to reopen sometime today.
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	Nil
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Numbers:	Nil
Origin:	Nil
Destinations:	Nil
Evacuation Centres Activated:	Nil
Transport Logistics:	Nil

8. INDUSTRY

Council:	Nil
Government Offices:	Nil
Schools:	Nil
Hospitals:	Nil
Private Enterprise:	Nil

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	Nil
Staff / Resources Deployment:	⇒ Council Operations are at "Lean Forward" activation level, with initially 6 crews available and LDCC staff on call. ⇒ SES:- 50 volunteers available over Christmas / New Year Period ⇒ Dept of Community Recovery services on alert with 80 staff within Ipswich area on standby ⇒ State Environmental Health staff available to assist with

	inundated businesses.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Resource requirements being organised.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

LDCC to be set up in advance over today/tomorrow.

12. GENERAL OVERVIEW OF THE SITUATION

LDMG and its agencies are on a "Lean Forward" level of activation.

13. CONTENTIOUS ISSUES

Planned RCD work to be undertaken over the X-mas/New Period on Council Facilities which required all system to be shut down has been cancelled due to the pending weather.

Ipswich City Situation Report (SITREP)

Event: __Rain Event X-mas 2010_

FROM:	TO: Ipswich City LDMG Ipswich and Somerest DDC
Ipswich City Local Disaster Co-ordinator	

Date	Time	Sitrep No.
23rd December 2010	10:00am	2

1. WEATHER

Local observations:

Overnight:

Approximately 15mm of rain across most of the catchment for past 24 hours.

Catchment Summary:

Western Ck -

- Grandchester .35m (R),
- Kuss Rd .84m (S),
- Spressers Br. 2.07m (S)
- Rosewood WWTP 1.18m (S)

Franklin vale -

- Greys Plains Rd .84 (R).

Bremer -

- Adams Br 1.31m (R)
- Stokes Xing 1.1m (S),
- Rosewood 1.94m (S)
- Walloon 2.22m (R)
- Three Mile peaked at 8.65m (S)
- One Mile peaked at 5.55m (S)
- Brassall 3.83m (S)
- Ipswich peaked at 2.15m (F)

Warrill -

- Kalbar 75.2m (S),
- Harrisville 1.38m (S),
- Amberley 2.7m (F).

Purga -

- Peak Xing .81 (S)
- Loamside peaked 1.52m (S),

Bundamba -

- Ripley 0m (S) (49.77AHD)
- Harding .18m (S) (20.78AHD)
- Blackstone .45m (S) (15.39AHD)
- Bundamba School 11.98 (R)

Woogaroo -

- Upper Woogaroo .35m (R)
- Opossum .35m (R) (19.85AHD)

Detention Basins -

- Marburg basin .7m (R)
- Rosewood basin .1m (S)

Brisbane -

- Wivenhoe TW 32.31 (Falling since 3pm 22/12/2010)
- Savages 8.29m (F)
- Burtons 7.08m (F)
- Kholo 13.96m (F) 2.06m over bridge
- Mt Crosby 10.53m (F)
- Colleges Xing 8.26m (F) 4.70m over bridge

Note: Closure of Wivenhoe Dam gates commenced at 3:30am this morning.

Forecast for Thursday

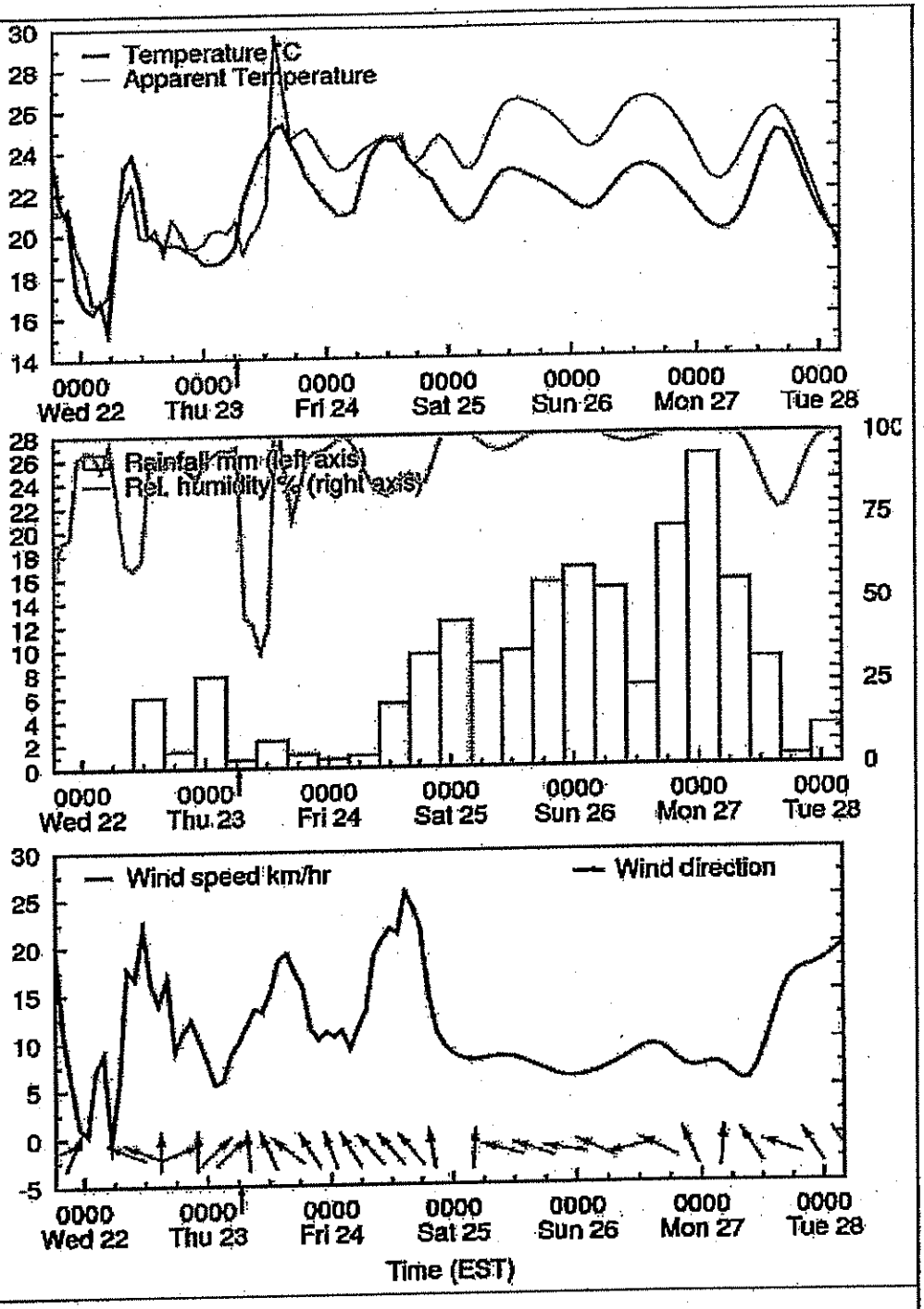
Rain easing to showers. A possible afternoon thunderstorm. Light to moderate S to SE winds.

Precis: Rain easing to showers Max 27

UV Alert from 7:30 am to 4:10 pm, UV Index predicted to reach 16 [Extreme]

Friday	Rain increasing	Min 21	Max 27
Saturday	Rain at times	Min 21	Max 26
Sunday	Rain at times	Min 20	Max 26
Monday	Rain at times	Min 21	Max 26
Tuesday	Rain at times	Min 20	Max 26
Wednesday	Showers	Min 20	Max 28

Over expectation is for 100 to 200mm of rainfall over the next 5days.



Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Colleges Crossing and Kholo Bridges are currently crossed, but expected to reopen sometime today depending on rainfall in the lockyer catchments.
Rail:	Nil
Aviation:	Nil
Marine:	Moggil Ferry still out of service.
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network:	Nil
Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Nil
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	Nil
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Numbers:	Nil
Origin:	Nil
Destinations:	Nil
Evacuation Centres Activated:	Nil
Transport Logistics:	Nil

8. INDUSTRY

Council:	Nil
Government Offices:	Nil
Schools:	Nil
Hospitals:	Nil
Private Enterprise:	Nil

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	Nil
Staff / Resources Deployment:	⇒ Council Operations are at "Lean Forward" activation level, with initially 6 crews available and LDCC staff on call. ⇒ SES:- 50 volunteers available over Christmas / New Year Period ⇒ Dept of Community Recovery services on alert with 80 staff within Ipswich area on standby ⇒ State Environmental Health staff available to assist with inundated businesses.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

...esource requirements being organised.
LDMG Meeting held to provide overview of current position and predictions of current weather event.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

LDCC to be set up in advance over today/tomorrow.

12. GENERAL OVERVIEW OF THE SITUATION

LDMG and its agencies are on a "Lean Forward" level of activation.

13. CONTENTIOUS ISSUES

Planned RCD work to be undertaken over the X-mas/New Period on Council Facilities which required all system to be shut down has been cancelled due to the pending weather.

Ipswich City Situation Report (SITREP)

Event: __Rain Event X-mas 2010_

FROM:	TO: Ipswich City LDMG Ipswich and Somerest DDC
Ipswich City Local Disaster Co-ordinator	

Date	Time	Sitrep No.
23rd December 2010	1:18pm	3

1. WEATHER

Local observations:

Overnight:

Approximately 15mm of rain across most of the catchment for past 24 hours.

Catchment Summary:

Western Ck -

- Grandchester .93m (R), 4.07m below bridge
- Kuss Rd .98m (R), 6.72m below bridge
- Spressers Br. 2.17m (R), 3.3m below bridge
- Rosewood WWTP 1.23m (R), 4.99m below bridge

Franklin vale -

- Greys Plains Rd 1.84 (R), .26m below bridge.

Bremer -

- Adams Br 2.17m (R)
- Stokes Xing 1.25m (R), .15m above causeway
- Rosewood 2.04m (R), 2.66m below bridge
- Walloon 2.34m (R), 2.78m below bridge
- Three Mile peaked at 8.75m (R), 10.28m below bridge
- One Mile peaked at 5.50m (S), 7.43m below old bridge, 11.7m below new bridge
- Brassall 3.73m (R)
- Ipswich peaked at 2.2m (R)

Warrill -

- Kalbar 75.81m (S), 1m above weir
- Harrisville 1.36m (S), 4.14m below bridge
- Amberley 2.72m (S).

Purga -

- Peak Xing .81 (S), 4.29m below bridge
- Loamside peaked 1.64m (R).

Bundamba -

- Ripley 0m (S) (49.77AHD)
- Harding .28m (R) (20.88AHD)
- Blackstone .45m (S) (15.39AHD)
- Bundamba School 11.93 (F), 4.4m below bridge

Woogaroo -

- Upper Woogaroo .35m (S)
- Opossum .35m (S) (19.85AHD)

Detention Basins -

- Marburg basin .85m (R)
- Rosewood basin .1m (S)

Brisbane -

- Wivenhoe TW 30.61 (F), (Falling since 3pm 22/12/2010)
- Savages 7.19m (F)
- Burtons 6.3m (F)
- Kholo 13.12m (F) 1.22m over bridge
- Mt Crosby 9.85m (F)
- Colleges Xing 7.56m (F) over 4m

Forecast for Thursday

Rain easing to showers. A possible afternoon thunderstorm. Light to moderate S to SE winds.

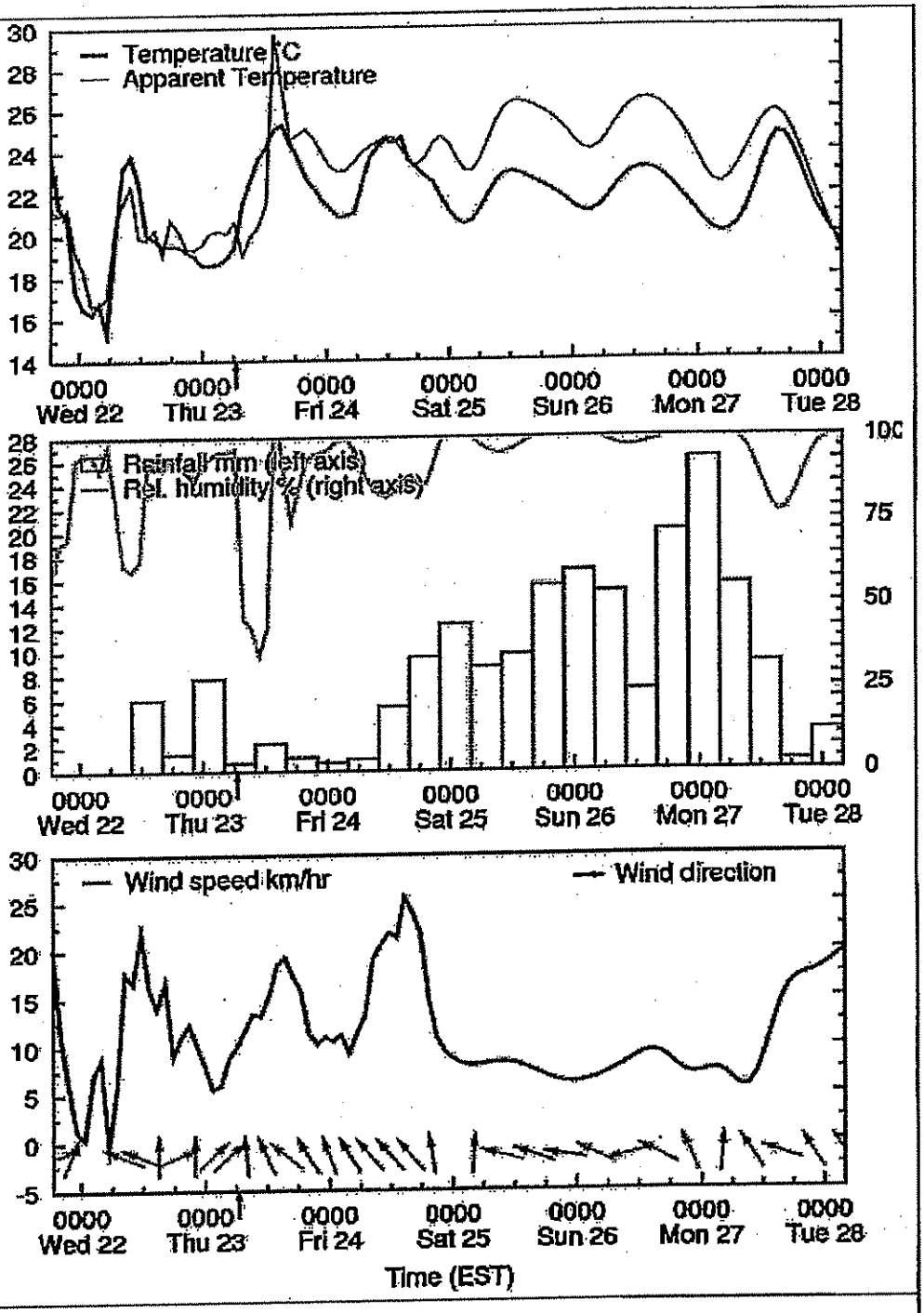
Precis: Rain easing to showers Max 27

UV Alert from 7:30 am to 4:10 pm, UV Index predicted to reach 16 [Extreme]

Friday	Rain increasing	Min 21	Max 27
Saturday	Rain at times	Min 21	Max 26
Sunday	Rain at times	Min 20	Max 26
Monday	Rain at times	Min 21	Max 26
Tuesday	Rain at times	Min 20	Max 26
Wednesday	Showers	Min 20	Max 28

Over expectation is for 100 to 200mm of rainfall over the next 5days.

Current predictions indicate that the a second system will impact our area over Tuesday/Wednesday/Thursday of next week, with possible rainfall of 200mm+.



Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Closure of Wivenhoe Dam gates commenced at 3:30am this morning. Current strategy due to flows from the Lockyer Catchment and predicted rainfall, the Dam release will be maintained at 300-350m3/sec until late tomorrow at this stage. Kholo Bridge would be expected to reopen late this afternoon.
Rail:	Nil
Aviation:	Nil
Marine:	Moggil Ferry still out of service.
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network:	Nil
Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil
Auxiliary:	NIl

5. DAMAGE REPORTS

Buildings:	Nil
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	Nil
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Numbers:	Nil
Origin:	Nil
Destinations:	Nil
Evacuation Centres Activated:	Nil
Transport Logistics:	Nil

8. INDUSTRY

Council:	Nil
Government Offices:	Nil
Schools:	Nil
Hospitals:	Nil
Private Enterprise:	Nil

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	Nil
Staff / Resources Deployment:	⇒ Council Operations are at "Lean Forward" activation level, with initially 6 crews available and LDCC staff on call. ⇒ SES:- 50 volunteers available over Christmas / New Year Period ⇒ Dept of Community Recovery services on alert with 80 staff within Ipswich area on standby

	⇒ State Environmental Health staff available to assist with inundated businesses.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Resource requirements being organised.
LDMG Meeting held to provide overview of current position and predictions of current weather event.
State briefing held with DM community to discuss updated BOM forecasts and possible impacts.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

LDCC to be set up in advance today.

12. GENERAL OVERVIEW OF THE SITUATION

DMG and its agencies are on a "Lean Forward" level of activation.

13. CONTENTIOUS ISSUES

Planned RCD work to be undertaken over the X-mas/New Period on Council Facilities which required all system to be shut down has been cancelled due to the pending weather.

Ipswich City Situation Report (SITREP)

Event: __Rain Event X-mas 2010_

FROM:	TO: Ipswich City LDMG Ipswich and Somerest DDC
Ipswich City Local Disaster Co-ordinator	

Date	Time	Sitrep No.
24 December 2010	7:00am	4

1. WEATHER

Local observations:

Previously:
23/12: - Approximately 15mm of rain across most of the catchment for past 24 hours.

Overnight:

No reported rain across the catchment for past 12 hours.

There have been significant rises in all streams except Bundamba and Woogaroo overnight.

Catchment Summary:

Western Ck -

- Grandchester .58m (F), 4.42m below bridge, peaked at 1.88m overnight
- Kuss Rd 3.16m (F), 4.54m below bridge, peaked at 5.3m overnight
- Spressers Br. 4.42m (F), 1.03m below bridge, peaked at 4.92m overnight
- Rosewood WWTP 3.78m (F), 2.44m below bridge, peaked at 5.33m overnight

Franklin vale -

- Greys Plains Rd .79m (F), 1.31m below bridge, peaked at 2.04 overnight

Bremer -

- Adams Br 1.55m (F), peaked at 3.27m overnight
- Stokes Xing 1.8m (F), .6m above causeway, peaked at 3.4m overnight
- Rosewood 4.28m (F), .42m below bridge, peaked at 4.56m overnight
- Walloon 4.68m (S), .44m below bridge, at peak now
- Three Mile peaked at 11.25m (R), 7.78m below bridge
- One Mile peaked at 6.45m (R), 6.48m below old bridge, 10.75m below new bridge
- Brassall 3.13m (F)
- Ipswich peaked at .8m (F)

Warrill -

- Kalbar 75.41m (S), .6m above weir, peaked at 76.3m overnight
- Harrisville 2.62m (F), 2.88m below bridge, peaked at 3.9m overnight
- Amberley 4.46m (S).

Purga -

- Peak Xing .81 (S), 4.29m below bridge
- Loamside peaked 1.53m (F), peaked at 1.71m overnight

Bundamba -

- Ripley 0m (S) (49.72m AHD)
- Harding .28m (S) (20.88m AHD), peaked at 20.93m overnight
- Blackstone .45m (S) (15.34m AHD)
- Bundamba School 11.83 (F), 4.5m below bridge, peaked at 11.93m overnight

Woogaroo -

- Upper Woogaroo .3m (S), peaked at .35m overnight
- Opossum .15m (S) (19.65m AHD), peaked at 19.9m overnight

Detention Basins -

- Marburg basin .7m (S), peaked at .85m overnight
- Rosewood basin .05m (S), peaked at .1m overnight

Brisbane -

- Wivenhoe TW 29.85m (S)
- Savages 5.07m (S)
- Burtons 4.18m (F)
- Kholo 10.44m (F) 1.46m below bridge
- Mt Crosby 8.45m (F)
- Colleges Xing 4.91m (F)

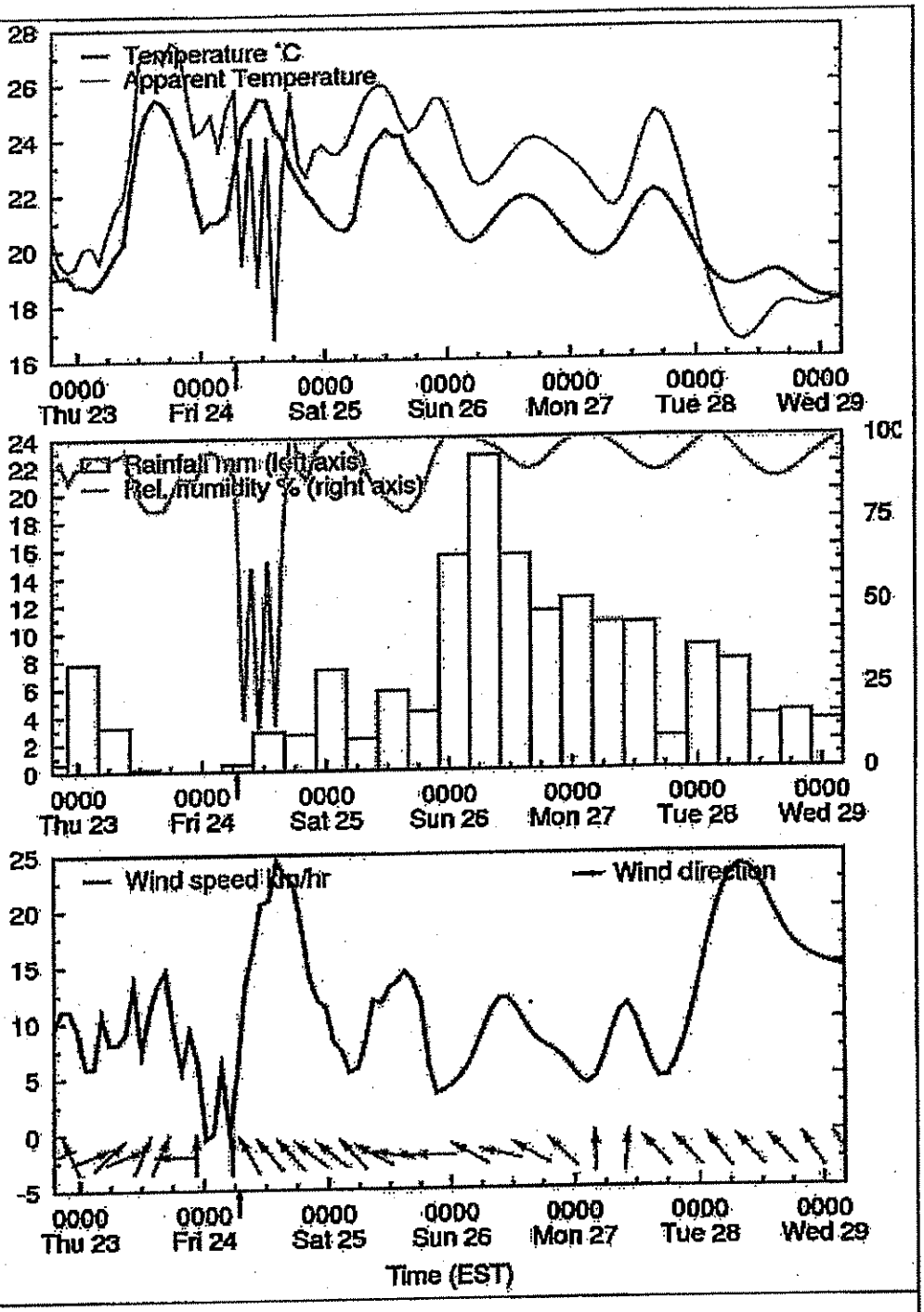
Forecast for Friday

A few showers, tending to rain at times during the afternoon and evening. Mostly moderate SE winds. Precis: Rain increasing Max 26

Saturday	Rain at times	Min 21	Max 26
Sunday	Rain at times	Min 20	Max 25
Monday	Rain at times	Min 21	Max 26
Tuesday	Rain at times	Min 20	Max 26
Wednesday	Showers	Min 20	Max 28
Thursday	Showers	Min 21	Max 28

The expectation is still for 100 to 200mm of rainfall over the next 5days.

Current predictions indicate that the a second system will impact our area over Tuesday/Wednesday/Thursday of next week, with possible rainfall of 200mm+.



Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Closure of Wivenhoe Dam gates commenced at 3:30am yesterday morning. Current strategy due to flows from the Lockyer Catchment and predicted rainfall, the Dam release will be maintained at 300-350m3/sec until late today at this stage. Kholo Bridge is reopened..
Rail:	Nil
Aviation:	Nil
Marine:	Moggil Ferry still out of service.
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network:	Nil
Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Nil
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	Nil
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Numbers:	Nil
Origin:	Nil
Destinations:	Nil
Evacuation Centres Activated:	Nil
Transport Logistics:	Nil

8. INDUSTRY

Council:	Nil
Government Offices:	Nil
Schools:	Nil
Hospitals:	Nil
Private Enterprise:	Nil

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	Nil
Staff / Resources Deployment:	⇒ Council Operations are at "Lean Forward" activation level, with initially 6 crews available and LDCC staff on call. ⇒ SES:- 50 volunteers available over Christmas / New Year Period ⇒ Dept of Community Recovery services on alert with 80 staff within Ipswich area on standby

	⇒ State Environmental Health staff available to assist with inundated businesses. ⇒

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Resource requirements being organised.
LDMG Meeting held to provide overview of current position and predictions of current weather event.
State briefing held with DM community to discuss updated BOM forecasts and possible impacts.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

LDCC to be set up in advance today.

12. GENERAL OVERVIEW OF THE SITUATION

LDMG and its agencies are on a "Lean Forward" level of activation.

13. CONTENTIOUS ISSUES

Planned RCD work to be undertaken over the X-mas/New Period on Council Facilities which required all system to be shut down has been cancelled due to the pending weather.

Ipswich City Situation Report (SITREP)

Event: __Rain Event X-mas 2010_

FROM:	TO: Ipswich City LDMG Ipswich and Somerest DDC
Ipswich City Local Disaster Co-ordinator	

Date	Time	Sitrep No.
24 December 2010	11:45am	5

1. WEATHER

Local observations:

Previously:
23/12: - Approximately 15mm of rain across most of the catchment for past 24 hours.

Overnight:

No reported rain across the catchment for past 12 hours.

There have been significant rises in all streams except Bundamba and Woogaroo overnight.

Catchment Summary:

Western Ck -

- Grandchester .48m (F), 4.52m below bridge
- Kuss Rd 2.52m (R), 4.54m below bridge
- Spressers Br. 3.87m (R), 2.6m below bridge
- Rosewood WWTP 3.13m (R), 3.09m below bridge

Franklin vale -

- Greys Plains Rd .74m (F), 1.36m below bridge

Bremer -

- Adams Br 1.45m (F)
- Stokes Xing 1.55m (R), .45m above causeway
- Rosewood 3.88m (R), .82m below bridge
- Walloon 4.28m (R), .84m below bridge, at peak now
- Three Mile peaked at 13.88m (R), 5.15m below bridge
- One Mile peaked at 8.65m (R), 6.28m below old bridge, 10.55m below new bridge
- Brassall 4.93m (R)
- Ipswich peaked at 1.75m (R)

Warrill -

- Kalbar 75.35m (F), .54m above weir
- Harrisville 2.3m (F), 3.2m below bridge
- Amberley 4.44m (R).

Purga -

- Peak Xing .81 (S), 4.29m below bridge
- Loamside 1.53m (S)

Bundamba -

- Ripley 0m (S) (49.72m AHD)
- Harding .28m (S) (20.88m AHD)
- Blackstone .45m (S) (15.34m AHD)
- Bundamba School 11.83 (F), 4.5m below bridge

Woogaroo -

- Upper Woogaroo .3m (S)
- Opossum .15m (S) (19.65m AHD)

Detention Basins -

- Marburg basin .65m (F), peaked at .85m overnight
- Rosewood basin .05m (S), peaked at .1m overnight

Brisbane -

- Wivenhoe TW 28.95m (S)
- Savages 5.07m (S)
- Burtons 4.12m (S)
- Kholo 10.32m (F) 1.58m below bridge
- Mt Crosby 8.38m (S)
- Colleges Xing 4.66m (F) 1m above crossing

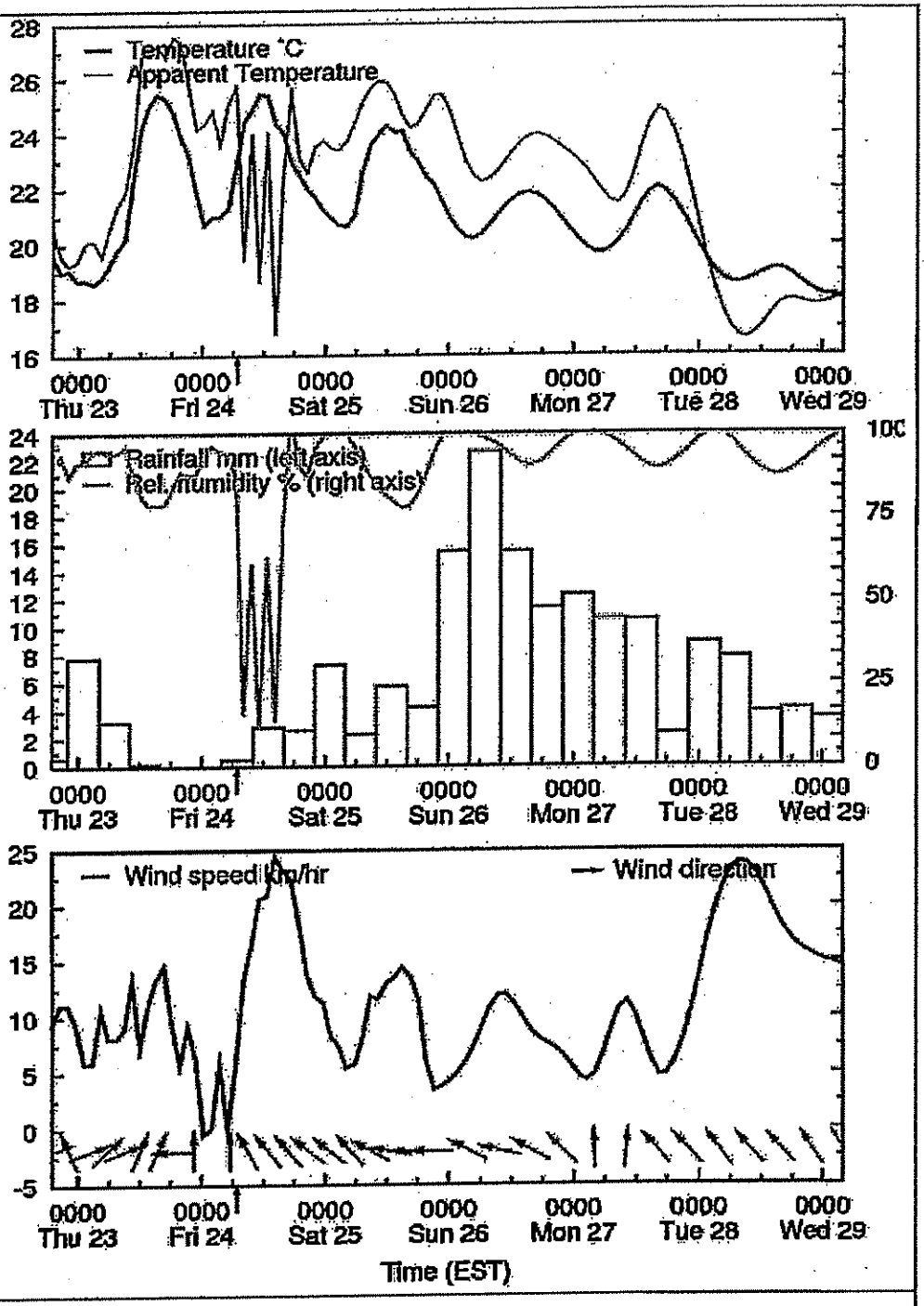
Forecast for Friday

A few showers, tending to rain at times during the afternoon and evening. Mostly moderate SE winds. Precis: Rain increasing Max 26

Saturday	Rain at times	Min 21	Max 26
Sunday	Rain at times	Min 20	Max 25
Monday	Rain at times	Min 21	Max 26
Tuesday	Rain at times	Min 20	Max 26
Wednesday	Showers	Min 20	Max 28
Thursday	Showers	Min 21	Max 28

The expectation is still for 100 to 200mm of rainfall over the next 5days.

Current predictions indicate that the a second system will impact our area over Tuesday/Wednesday/Thursday of next week, with possible rainfall of 100mm over this period.



Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Closure of Wivenhoe Dam gates commenced at 3:30am yesterday morning. Current strategy due to flows from the Lockyer Catchment and predicted rainfall, the Dam release will be maintained at 300-350m3/sec until late today at this stage. Kholo Bridge has sustained damage due to the inundation. Awaiting engineering assessment. Colleges Crossing has sustained damage to its approaches due to the inundation. Road will be reopened only after its has been assessed. Initial views are that it will reopen under speed restrictions.

Rail:	Nil
Aviation:	Nil
Marine:	Moggil Ferry still out of service.
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network:	Nil
Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Nil
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	Nil
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Numbers:	Nil
Origin:	Nil
Destinations:	Nil
Evacuation Centres Activated:	Nil
Transport Logistics:	Nil

8. INDUSTRY

Council:	Nil
Government Offices:	Nil
Schools:	Nil
Hospitals:	Nil
Private Enterprise:	Nil

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	Nil

Staff / Resources Deployment:	⇒ Council Operations are at "Lean Forward" activation level, with initially 6 crews available and LDCC staff on call. ⇒ SES:- 50 volunteers available over Christmas / New Year Period ⇒ Dept of Community Recovery services on alert with 80 staff within Ipswich area on standby ⇒ State Environmental Health staff available to assist with inundated businesses. ⇒ QFRS rescue teams on standby for deployment statewide. ⇒ QPS have established a quick response group which may be deployed to affected areas thru out the state.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Resource requirements being organised.
LDMG Meeting held to provide overview of current position and predictions of current weather event.
State briefing held with DM community to discuss updated BOM forecasts and possible impacts.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

LDCC to be set up in advance today.

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LDMG and its agencies are on a "Lean Forward" level of activation.

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Planned RCD work to be undertaken over the X-mas/New Period on Council Facilities which required all system to be shut down has been cancelled due to the pending weather.

Ipswich City Situation Report (SITREP)

Event: __Rain Event X-mas 2010_

FROM:	TO: Ipswich City LDMG Ipswich and Somerest DDC
Ipswich City Local Disaster Co-ordinator	

Date	Time	Sitrep No.
24 December 2010	1:00pm	6

1. WEATHER

Local observations:

Previously:
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- Three Mile peaked at 13.88m (R), 5.15m below bridge
- One Mile peaked at 8.65m (R), 6.28m below old bridge, 10.55m below new bridge
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- Marburg basin .65m (F), peaked at .85m overnight
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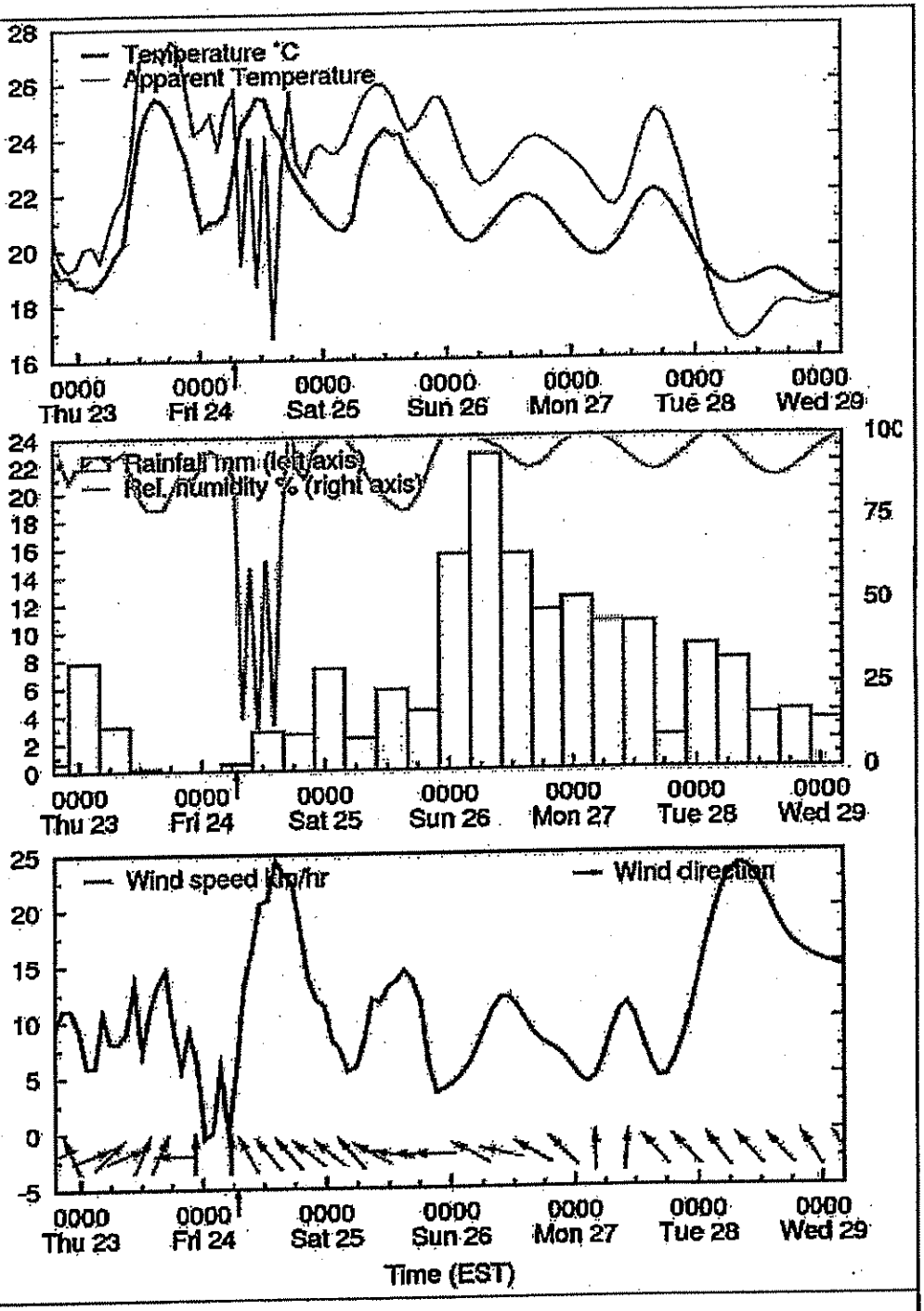

Any difference from official weather reports:	No

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Numbers:	Nil
Origin:	Nil
Destinations:	Nil
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Planned RCD work to be undertaken over the X-mas/New Period on Council Facilities which required all ystem to be shut down has been cancelled due to the pending weather.

Kerrie Tillack

From: Tony Trace
Sent: Monday, 27 December 2010 2:56 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; 'Annabelle Johnstone'; Annette Schoone; Brooke de Jong; 'Mark Kelly'; [redacted]; Arie Van den Ende
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: RE: Local - District SitRep#8 27th December 2010 Update

In relation to the predicted Flood peak of 10-11m, the Bremer River has risen slower than expected with the peak now likely to impact around 7-8pm.

In the last 2 hours, 15-20mm rainfall with only 1-2mm in the last hour.

We will continue to advise as the extent flows become clearer.

From: Tony Trace
Sent: Monday, 27 December 2010 11:32 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; 'Annabelle Johnstone'; Annette Schoone; Brooke de Jong; 'Mark Kelly'; [redacted]; Arie Van den Ende
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: RE: Local - District SitRep#8 27th December 2010 Update

BOM has just issued a revised flood peak at the David Trumpy Bridge of 10-11m expected to occur at approximately 3:00pm this afternoon.

Initial analysis of the Flood level impact, indicates that the following Infrastructure is likely to be impacted:

- Continuation of current Bridge Closures of Spressers,Rosewood WWTP, 7 Mile, 5 Mile, 3 Mile, One Mile (old), Pedistran Bridge @ Churchill ,plus King Edward Parade and Sydney Street Bridge.
- Tiger & Darling Street (West) intersection, West Ipswich
- Interesection Siemons St and Philip St, One Mile
- Intersection Georgette St and McGreavy St, One Mile
- Berry Street, Churchill
- Intersection at Woodford Street and General Foch Street, One Mile
- Middel Road, Purga (south of Cunningham Highway.
- Southern Amberley Road, Amberley
- Junction Road, Karalee
- Mount Crosby Rd, Nth Tivoli (at Sandy Creek)
- Gledson Street, Bundamba
- Emma Street, Bundamba
- Barclay Street, Bundamba

In terms of property issues, we do not anticipate inundation of houses but the

properties/businesses in the following locations are likely to be affected;

- Comona Court, Wulkaraka
- 33 - 59 Lobb Street, Churchill
- 2A Cafferky Street, One Mile
- 31 and 36 Lamont Street, North Booval
- 31 -35 BerginHill Rd, Bundamba - backyards.
- 2-10 Barclay Street, Bundamba (Isolated)
- 22 Emma Street, Bundamba
- Businesses at the Western end of Keogh Street, West Ipswich
- Riverlink Shopping Centre - Car Park will be impacted.
- Tiger Street Pump Station (QUU) @ Darling St West, West Ipswich
- Queensland Generation Corporation - Water Pump Station @ Berry's Lagoon
- Readmix - internal road network
- Llewellyn Motors - MacArtney Street, Booval
- Bunnings - bottom car park entrance

The analysis will be impacted by the flows from the local catchments themselves with rainfall continuing to intensify over the last couple of hours.

As such, the following actions will be undertaken:

- LDMG meeting to be held at 1:30pm
- LDCC to be activated

From: Tony Trace
Sent: Monday, 27 December 2010 8:41 AM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; 'Annabelle Johnstone'; Annette Schoone; Brooke de Jong; 'Mark Kelly'; [redacted]
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: RE: Local - District SitRep#8 27th December 2010

Rain has continued across the catchment over the past six hours to 10-13mm.

Most streams have peaked in the upper reaches at Minor to Moderate flood levels and are now falling. We have a prediction for Ipswich of approximately 8.2m between Minor and Moderate late tonight or early tomorrow. The Creeks in the Eastern catchments have peaked below Minor and are also falling.

There are a number of bridges are closed,

- Spressers,
- Rosewood WWTP,
- 7 Mile,
- 5 Mile,
- 3 Mile
- One Mile (old),
- Pedistran Bridge @ Churchill ,

We exepct Marsden Parade to be affected shortly (next 1 hour)

BoM current prediction is for a peak of approximately 8.2m at Ipswich gauge late tonight or early Tuesday morning. Aditional heavy rainfall is expected across the catchment over the next 2 days, this will influence the levels dependant upon where and when the falls occur.

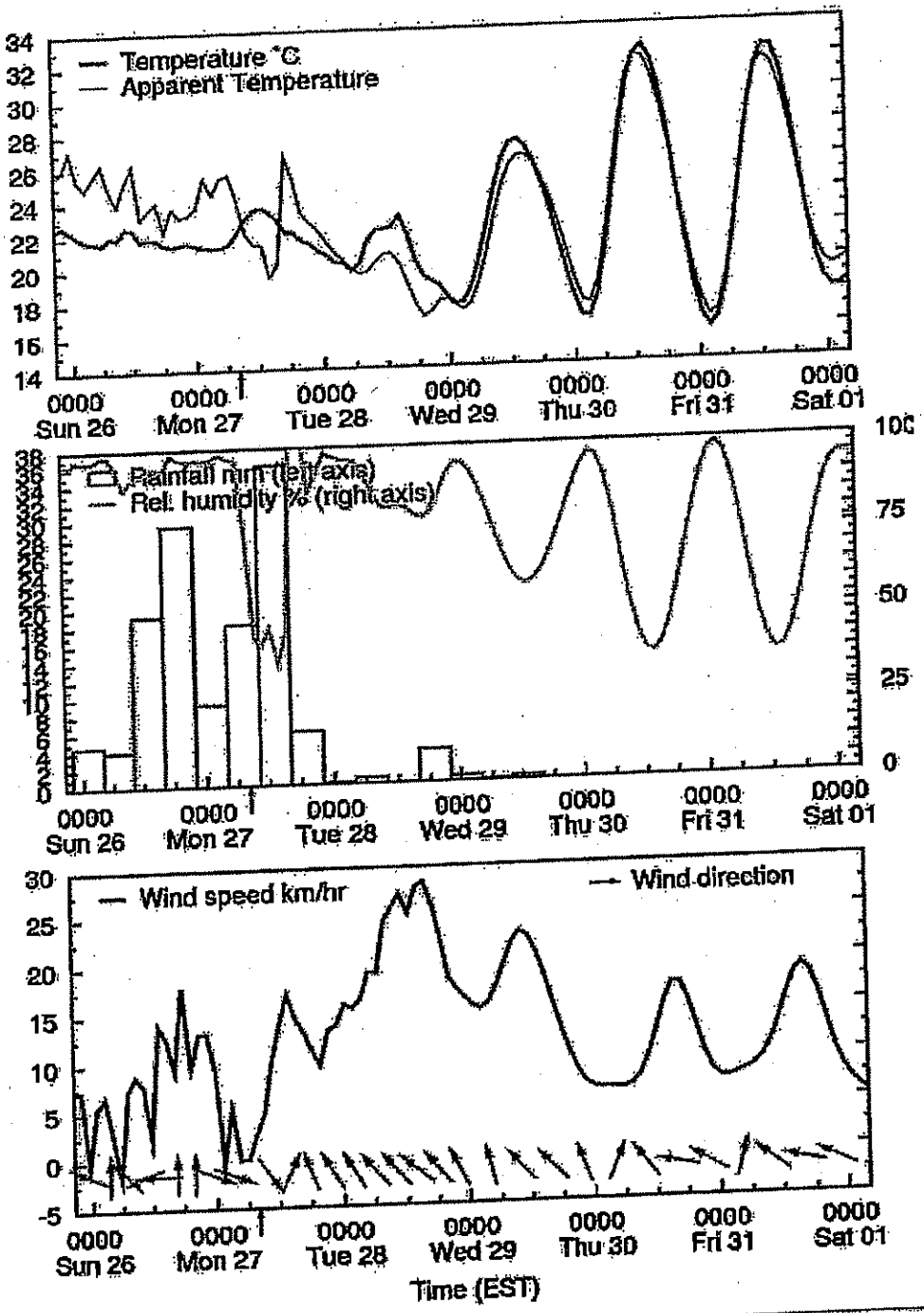
Forecast for Monday

Rain periods. Light to moderate N to NW winds. Precis: Rain periods Max *25*

Tuesday Rain at times Min *21* Max *25*

Wednesday Rain at times Min *20* Max *25*

Thursday Morning shower Min *20* Max *27*
Friday Fine Min *20* Max *28*
Saturday Fine Min *18* Max *29*
Sunday Fine Min *18* Max *30*



Western Ck -

- Grandchester 3.08m (F), 1.82m below bridge, peaked at 4.68m
- Kuss Rd 6.92m (F), .16m above bridge, peaked at 7.42m
- Spressers Br. 5.82 (F), .52m over bridge, peaked at 5.87m
- Rosewood WWTP 6.78m (F), .48m over bridge, peaked at 6.93m

Franklin vale -

- Greys Plains Rd 1.89m (F), .30m under bridge, peaked at 2.34m

Bremer -

- Adams Br 3.15m (F)
- Stokes Xing 3.60m (F), 2.70m above causeway, peaked at 4.45m
- Rosewood 6.04m (F), 1.34m over bridge (7 Mile), peaked at 6.08m
- Walloon 7.26m (R), 2.10m over bridge (5 Mile)
- Three Mile 18.80m (R), .50m below bridge
- One Mile 12.90m (R), 0.0m at old bridge, 4.3m below new bridge
- Brassall 9.28m (R)
- Ipswich 5.30m (R)

Warrill -

- Kalbar 77.87m (S), 3.18m above weir, peaked at 79.05m
- Harrisville 5.40m (S), .10m below bridge
- Amberley 6.14m (S).

Purga -

- Peak Xing 2.91m (F), 2.14m below bridge, peaked at 3.81m
- Loamside 6.56m (R)

Bundamba -

- Ripley .85m (F) (50.77mAHD), peaked at 51.82m
- Harding 2.38m (S) (23.98m AHD), peaked at 24.18m
- Blackstone 3.6m (S) (18.54m AHD), peaked at 18.64m
- Bundamba School 14.53m (S), 1.8m below bridge

Woogaroo -

- Upper Woogaroo .70m (S), peaked at .95m
- Opossum 1.8m (F) (21.8m AHD), peaked at 23.1m

Detention Basins -

- Marburg basin 1.35m (S), peaked at 3.05m
- Rosewood basin .20m (S),peaked at .45m

Brisbane -

- Wivenhoe TW 28.58m (F)
- Savages 5.27m (F)
- Burtons 4.68m (F)
- Kholo 11.10m (S) .80m below bridge
- Mt Crosby 8.70m (S)
- Colleges Xing 5.40m (R) being 1.8m above crossing.Not expected to open until late this week.

From: Tony Trace
Sent: Sunday, 26 December 2010 12:01 PM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; 'Annabelle Johnstone'; Annette Schoone; Brooke de Jong; 'Mark Kelly'; [redacted]
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: RE: Local - District SitRep#7 Update

Severe Weather warning reamins in place for SEQ. Rainfall of up to 160mm inland from Mackay and 130mm at Rockhampton since 9am Saturday. Increasing rainfall being observed on radar through the Capricornia, Wide Bay and Burnett and Maranoa and Warrego districts.

Over the past 6 hours there has been 3-4mm of rain across most of the catchment. Most streams are have seen minor rises but peaked below minor flood levels and are now either steady or falling.

Although Colleges Crossing is now free of water, it has been decided that it will remain closed tuntil approximately Tuesday due:
1 - state of the pavement damaged caused by inundation
2 - reopening of the gates this morning at wivenhoe meaning it will close by late this afternoon/tonight.

While the flooding has been at a minimal, we experienced several major pavement failures which have now been rectified or in the process of being fixed.

We can expect rainfall to increase in the Ipswich region this afternoon and over night as the weather system moves south.

From: Tony Trace
Sent: Sunday, 26 December 2010 8:39 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; 'Annabelle Johnstone'; Annette Schoone; Brooke de Jong; 'Mark Kelly'; [redacted]
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: RE: Local - District SitRep#6

SEVERE WEATHER WARNING for Heavy rainfall - Issued at 4:45 am on Sunday 26 December 2010

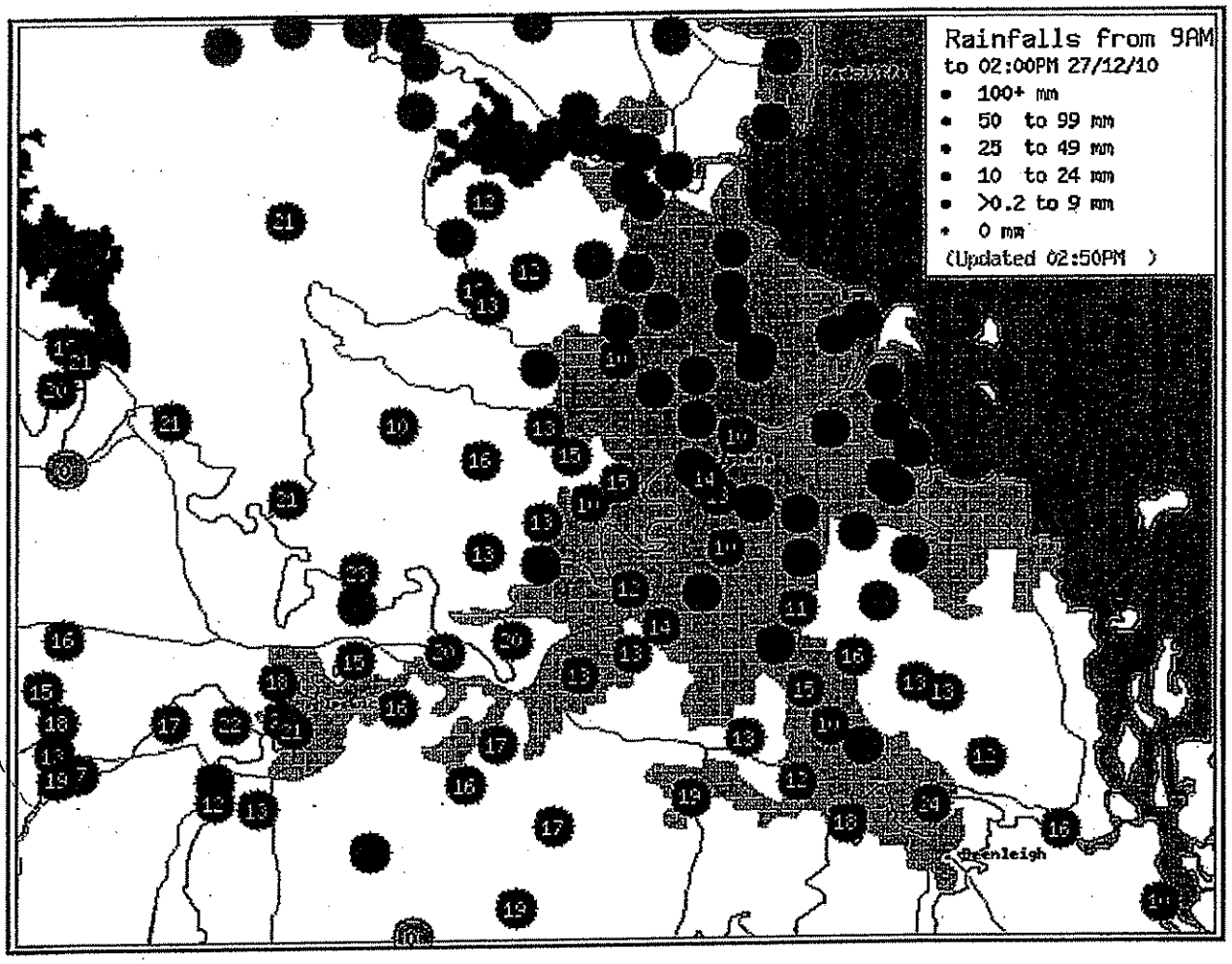
For people about the east coast between Mackay and the NSW border, extending inland to the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Synoptic Situation: At 4:00 am EST Ex-Tropical Cyclone Tasha had weakened into a broad rain depression northwest of Hughenden and was moving southwest at around 30 kilometres per hour. A 1021 hPa high in the southern Tasman Sea extended a firm ridge onto the Queensland east coast.

Heavy rainfall is forecast to move south between Mackay and the NSW border on the east coast and inland through the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Summary of Rainfall over the last 24 Hours:

Over the past 24 hours there has been a continued 10- 25mm of rain across most of the catchment with most (7-10mm) falling in the last 6 hours.



Most streams are have seen minor rises but peaked below minor flood levels and are now falling. Localised flooding has been experienced/reported over night including: Mcgreary's Rd, Walloon.

Western Ck -

- **Grandchester 1.83m (F), 3.07m below bridge**
- **Kuss Rd 4.24m (R), 2.52m below bridge**
- **Spressers Br. 4.32m (F), .98m below bridge**
- **Rosewood WWTP 4.43m (S), 1.87m below bridge**

Franklin vale -

- **Greys Plains Rd 1.09m (S), 1.1m below bridge**

Bremer -

- **Adams Br 1.93m (S)**
- **Stokes Xing 2.15m (F), 2.09m above causeway**
- **Rosewood 4.24m (F), .46m below bridge (7 Mile)**
- **Walloon 4.46m (F), .24m below bridge (5 Mile)**
- **Three Mile 14.25m (S), 5.05m below bridge**
- **One Mile 9.45m (R), 3.48m below old bridge, 8.1m below new bridge**
- **Brassall 5.48m (S)**

- Ipswich 2.40m (S)

Warrill -

- Kalbar 75.53m (S), .84m above weir
- Harrisville 3.24m (F), 2.26m below bridge
- Amberley 4.80m (S).

Purga -

- Peak Xing 1.61 (F), 3.44m below bridge
- Loamside 4.13m (S)

Bundamba -

- Ripley .30m (S) (50.32mAHD)
- Harding 1.38m (S) (21.98m AHD)
- Blackstone 1.60m (S) (16.54m AHD)
- Bundamba School 12.93m (S), 3.4m below bridge

Woogaroo -

- Upper Woogaroo .55m (S)
- Opossum .9m (S) (20.85m AHD)

Detention Basins -

- Marburg basin 1.15m (S)
- Rosewood basin .15m (S)

Brisbane -

- Wivenhoe TW 27.79m (S)
- Savages 2.99m (F)
- Burtons 2.42m (F)
- Kholo 8.86m (F) 3.04m below bridge
- Mt Crosby 7.84m (F)
- Colleges Xing 3.31m (F) 0.30 below bridge

Note: Radial Gate operations ceased on 24 December 2010 and since that time the lake has risen steadily to currently be around 67.37m or 370mm above the full supply level. A radial gate release will commence around 9am today at around 300-350m3/s depending on the downstream flows today following discussions with the impacted Local Authorities to drain the lake to near full supply level. Draining will take at least until Tuesday. Further gate operations may be necessary in coming days if forecast rainfall results in subsequent river rises.

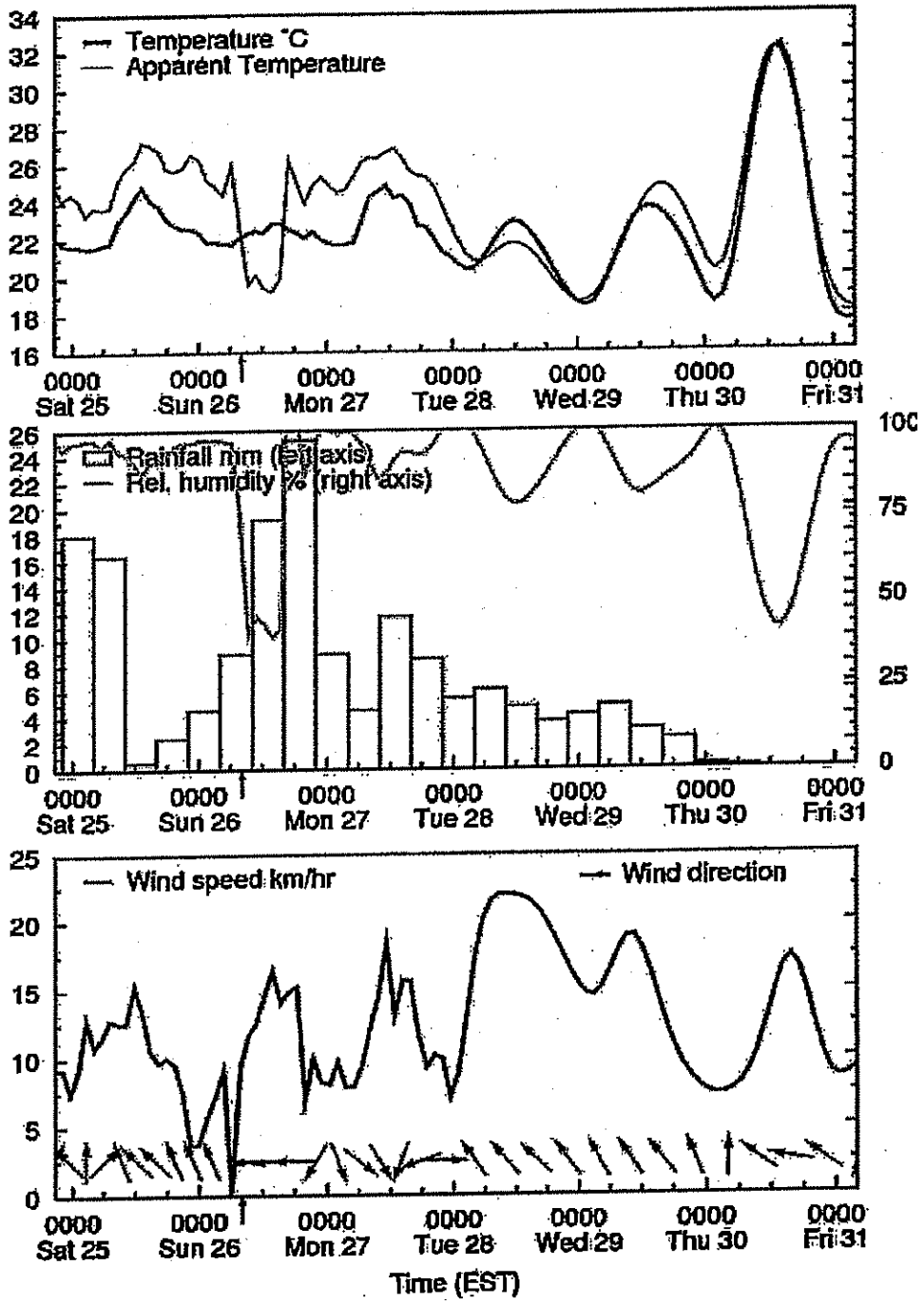
Rainfall Forecast:

Forecast for Sunday

Rain. Light to moderate E to NE winds. Precis: Rain Max 25

Monday	Rain periods, local	Min 22	Max 25

	thunder		
Tuesday	Rain at times	Min 21	Max 26
Wednesday	Rain at times	Min 20	Max 27
Thursday	Rain easing to showers	Min 20	Max 27
Friday	Mostly fine	Min 20	Max 28
Saturday	Mostly fine	Min 18	Max 29



Ipswich City Situation Report (SITREP)

Event: Rain Event Xmas 2010

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
27th December 2010	**3:00pm**	**9**

1. WEATHER

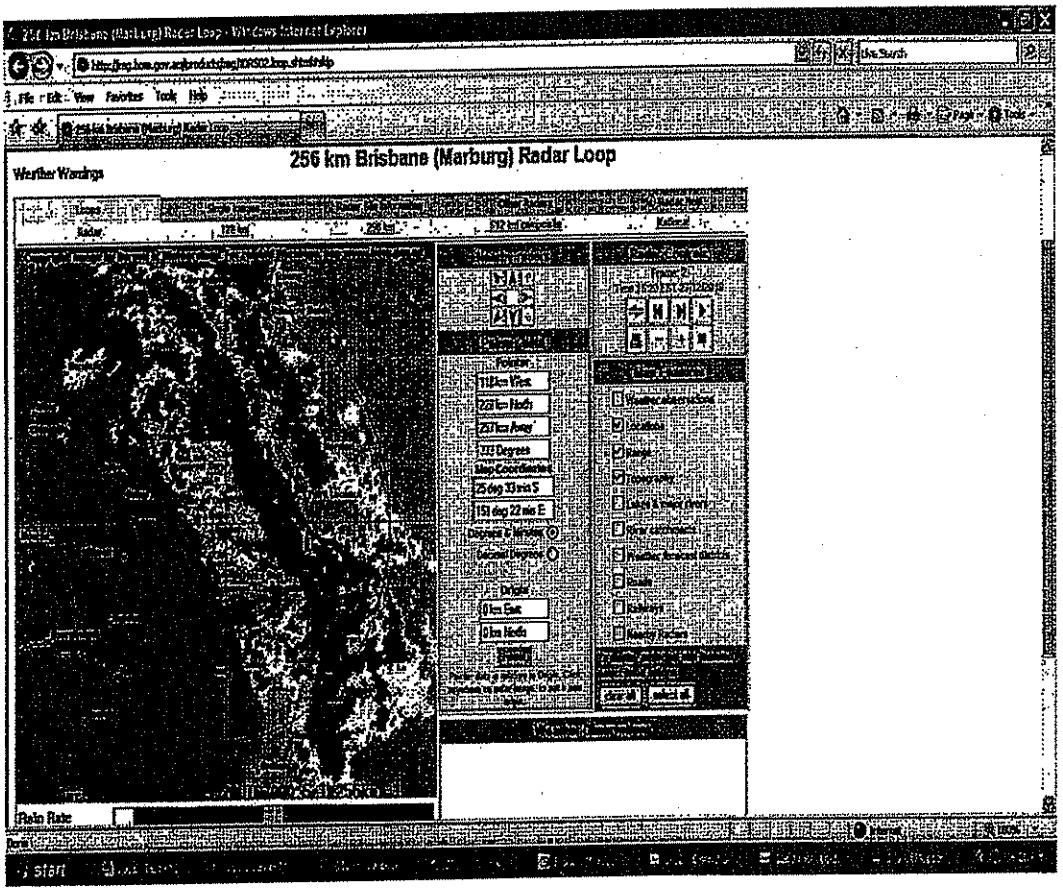
Local observations:

Previously:
Over the last 96 hours, Ipswich catchments have received a average of 150mm, with a max of 199mm at Mount Castle (top of bremer catchment)

Today:

Rain has continued across the catchment over the past three hours 10-20mm, but has lessened over the last hour to 1-2mm.

BoM current prediction is for a peak of approximately 10m at Ipswich gauge late this evening. Continued heavy rainfall is still forecast across the catchment overnight and again tomorrow, this will influence the levels dependant upon where and when the falls occur.



Major afternoon storm missed the Ipswich area, but dropped heavy rainfall and high winds on Brisbane, Logan, Redlands and Gold Coast.

Catchment Summary:

Western Ck -

- Grandchester 4.48m (R), 0.42m below bridge
- Kuss Rd 6.84m (F), 0.08m over bridge
- Spressers Br. 5.52 (S), .22m over bridge
- Rosewood WWTP 6.38m (S), 0.08m over bridge

Franklin vale -

- Greys Plains Rd 3.19m (F), 1.0m over bridge

Bremer -

- Adams Br 4.45m (R)
- Stokes Xing 4.35m (R), 3.49m above causeway
- Rosewood 5.16m (S), .46m over bridge (7 Mile)
- Walloon 7.00m (F), 1.88m over bridge (5 Mile)
- Three Mile 20.75m (F), 1.35m below bridge
- One Mile 14.95m (R), 2.02m above old bridge, 2.25m below new bridge
- Brassall 11.1m (S), .6m over Sydney St, 2.7m below bridge
- Ipswich 8.25m (R)

Warrill -

- Kalbar 79.55m (R), 4.86m above weir
- Harrisville 5.3m (S), 0.2m below bridge
- Amberley 6.62m (R).

Purga -

- Peak Xing 2.66m (R), 2.39m below bridge
- Loamside 6.05m (S)

Bundamba -

- Ripley 1.55m (S) (51.47AHD)
- Harding 2.13m (R) (23.73m AHD)
- Blackstone 3.30m (R) (18.19m AHD)
- Bundamba School 14.23m (S), 2.10m below bridge

Woogaroo -

- Upper Woogaroo .95m (R)
- Opossum 2.05m (R) (22.05m AHD)

Detention Basins -

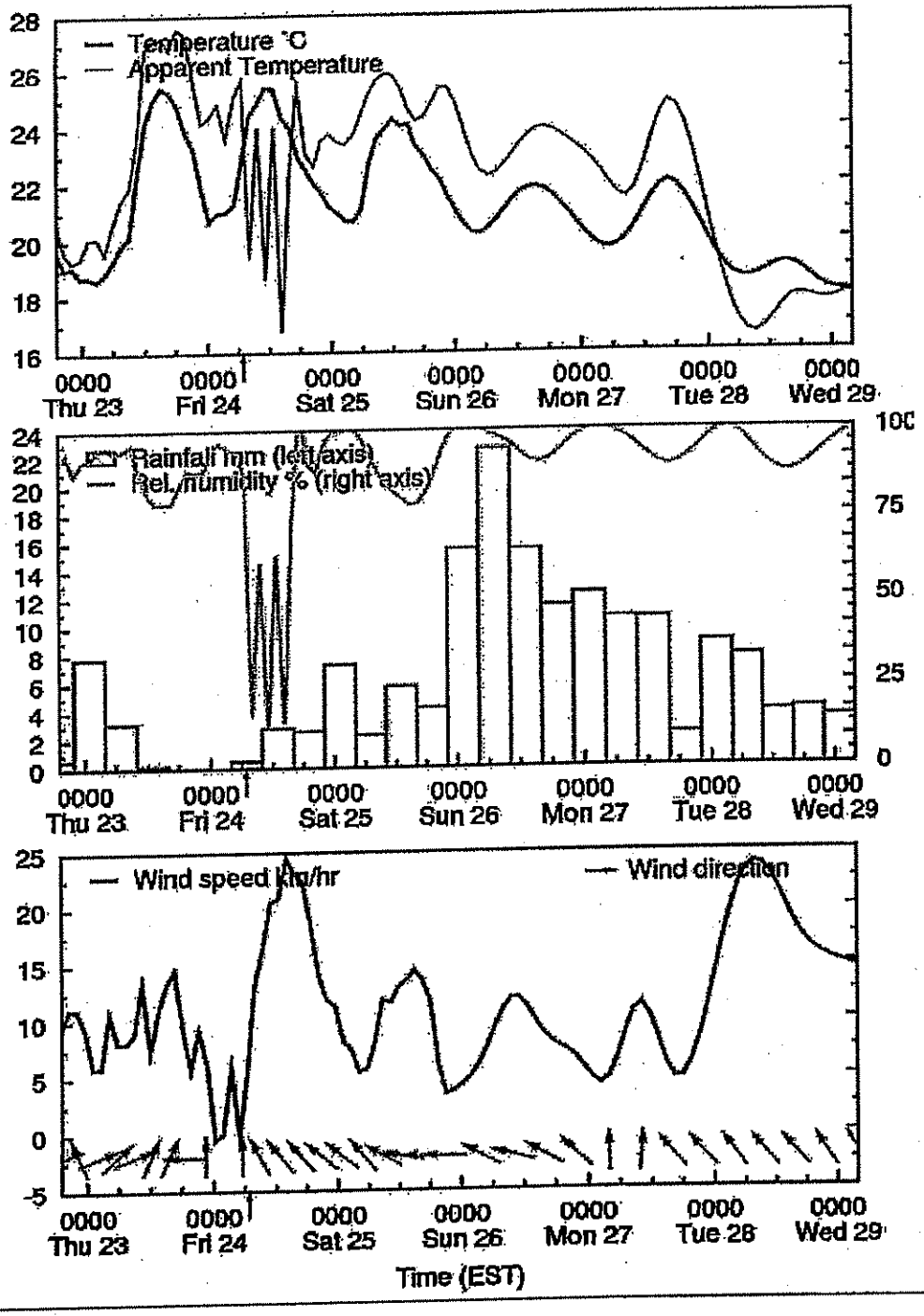
- Marburg basin 2.10m (S)
- Rosewood basin .30m (F)

Brisbane -

- Wivenhoe TW 29.55m (R)
- Savages 5.57m (R)
- Burtons 4.46m (R)
- Kholo 10.94m (S) .96m below bridge
- Mt Crosby 8.67m (S)
- Colleges Xing 5.71m (R) 2.15m above bridge.

Forecast for Monday

Rain periods. Light to moderate N to NW winds. Precis: Rain periods Max *25*
Tuesday Rain at times Min *21* Max *25*
Wednesday Rain at times Min *20* Max *25*
Thursday Morning shower Min *20* Max *27*
Friday Fine Min *20* Max *28*
Saturday Fine Min *18* Max *29*
Sunday Fine Min *18* Max *30*

	The expectation is still for 100 to 200mm of rainfall over the next 5days. Current predictions indicate that the a second system will impact our area over Tuesday/Wednesday/Thursday of next week, with possible rainfall of 100mm over this period 
Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Opening of Wivenhoe Dam gates commenced at 3:30pm today. Current strategy due to flows from the Lockyer Catchment and predicted rainfall, the Dam release will be maintained at 1500m3/sec until late today at this Thursday. In relation to the impact from Wivenhoe releases; ⇒ Kholo Bridge has sustained damage due to the inundation. Awaiting engineering assessment.

	⇒ Colleges Crossing has sustained damage to its approaches due to the inundation. Road will be reopened only after its has been assessed. In terms of closures due to rain event, the following roads are closed; ⇒ Spressers, ⇒ Rosewood WWTP, ⇒ 7 Mile, ⇒ 5 Mile, ⇒ 3 Mile, ⇒ One Mile (old), ⇒ Pedestrian Bridge @ Churchill ⇒ King Edward Parade and ⇒ Sydney Street Bridge. Anticipated Flood peak of 10-11m at David Trumpy bridge will likely impact on; ⇒ Tiger & Darling Street (West) intersection, West Ipswich ⇒ Intersection Siemons St and Philip St, One Mile ⇒ Intersection Georgette St and McGreavy St, One Mile ⇒ Berry Street, Churchill ⇒ Intersection at Woodford Street and General Foch Street, One Mile ⇒ Middle Road, Purga (south of Cunningham Highway. ⇒ Southern Amberley Road, Amberley ⇒ Junction Road, Karalee ⇒ Mount Crosby Rd, Nth Tivoli (at Sandy Creek) ⇒ Gledson Street, Bundamba ⇒ Emma Street, Bundamba ⇒ Barclay Street, Bundamba
Rail:	Nil
Aviation:	Nil
Marine:	Moggil Ferry still out of service.
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network:	Nil
Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Nil
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	Nil
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Anticipated Flood peak of 10-11m at David Trumpy bridge will likely impact on; ⇒ Comona Court, Wulkuraka ⇒ 33 - 59 Lobb Street, Churchill ⇒ 2A Cafferky Street, One Mile ⇒ 31 and 36 Lamont Street, North Booval ⇒ 31 -35 Bergins Hill Rd, Bundamba - backyards. ⇒ 2-10 Barclay Street, Bundamba (Isolated) ⇒ 22 Emma Street, Bundamba
Numbers:	Nil
Origin:	Nil
Destinations:	Nil
Evacuation Centers Activated:	Nil
Transport Logistics:	Nil

8. INDUSTRY

Council:	Colleges Crossing and Riverheart are inundated
Government Offices:	Nil
Schools:	Nil
Hospitals:	Nil
Private Enterprise:	Anticipated Flood peak of 10-11m at David Trumpy bridge will likely impact on; ⇒ Businesses at the Western end of Keogh Street, West Ipswich ⇒ Riverlink Shopping Centre - Car Park will be impacted. ⇒ Tiger Street Pump Station (QUU) @ Darling St West, West Ipswich ⇒ Queensland Generation Corporation - Water Pump Station @ Berry's Lagoon ⇒ Readmix - internal road network ⇒ Llewellyn Motors - Macartney Street, Booval ⇒ Bunnings - bottom car park entrance ⇒ 33 - 59 Lobb Street, Churchill

9. LOCAL ARRANGEMENTS

Changes in Contacts:	Nil
Problems Encountered:	Availability of resources and LDMG members due to holiday period.
Staff / Resources Deployment:	⇒ Council Operations are at "Lean Forward" activation level, with initially 6 crews available and LDCC staff on call. ⇒ SES:- 50 volunteers available over Christmas / New Year Period ⇒ Dept of Community Recovery services on alert with 80 staff within Ipswich area on standby ⇒ State Environmental Health staff available to assist with inundated businesses. ⇒ QFRS rescue teams on standby for deployment statewide. ⇒ QPS have established a quick response group which may be deployed to affected areas thru out the state.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Resources being directed to road closures and calls for assistance (sandbagging, gutters, Roof tarping etc).
LDCC activated and monitoring event.
State briefing held daily with DM community to discuss updated BOM forecasts and possible impacts.
LDMG meeting regularly to oversight event.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

Identified impacted properties (residential/commercial) will be contacted and provided a information concerning likely impacts.
SES to door knock Barclay Street, Bundamba due to it is likely to become isolated at projected levels.
Council to brief Bundamba residents (along Bundamba Creek) of current risks.

12. GENERAL OVERVIEW OF THE SITUATION

Catchments are at minor to moderate flooding levels, with some falls being seen until further rainfalls recharge the catchment.
Flood Peak (10-11m) is expected to reach David Trumpy Bridge (CBD) approximately 7-8pm tonight.
Further periods of rain are anticipated over the next 48 hours.

13. CONTENTIOUS ISSUES

Planned RCD work to be undertaken over the Xmas/New Year Period on Council Facilities which required all system to be shut down was cancelled due to the pending weather.
Failure of community to obey road closures and public safety messages. Signage is being removed.

Ipswich City Situation Report (SITREP)

Event: Rain Event Xmas 2010

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC

Date	Time	Sitrep No.
28th December 2010	9:00am	10

1. WEATHER

Local observations:

Previously:

Over the last 96 hours, Ipswich catchments have received a average of 150mm, with a max of 199mm at Mount Castle (top of bremer catchment).

Today:

No rain has been recorded across the catchment over the past 12 hours.

Ipswich gauge is still rising and should peak within the next hour or so around the previous 8.40m level. Several bridges are now clear or clearing shortly and will require inspection prior to removal of Road Closed signage etc..

Catchment Summary:

Western Ck -

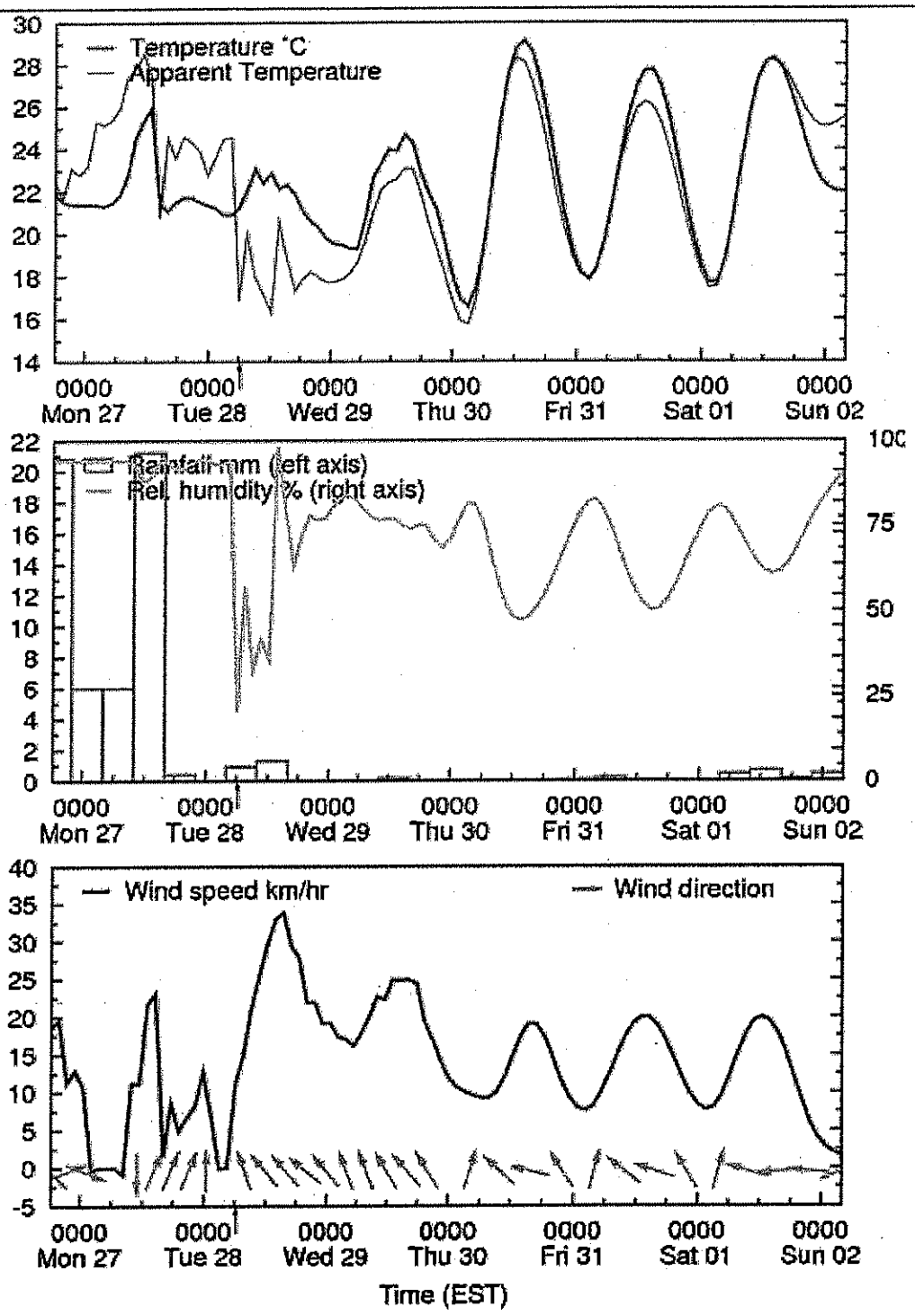
- Grandchester 1.23m (F), 3.67m below bridge
- Kuss Rd 4.66m (F), 2.1m below bridge
- Spressers Br. 5.52 (F), .22m over bridge
- Rosewood WWTP 5.93m (F), .37m below bridge

Franklin vale -

- Greys Plains Rd 1.69m (F), .5m below bridge

Bremer -

- Adams Br 2.01m (F)
- Stokes Xing 2.60m (F), 1.74m above causeway
- Rosewood 5.42m (F), .72m over bridge (7 Mile)
- Walloon 7.30m (F), 2.18m over bridge (5 Mile)
- Three Mile 20.90m (S), 1.6m over bridge
- One Mile 14.90m (R), 1.96m above old bridge, 2.3m below new bridge
- Brassall 10.9m (R), 2.9m below bridge
- Sydney Street 10.9m (R), .45m over Sydney St, .65m over bridge
- Ipswich 8.15m (R)



Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	In terms of the releases from Wivenhoe Dam, SEQwater has commence a program to increase the flow in the Brisbane River to a max of 1500m3/sec to allow dam levels to be reduced to below full supply capacity. this means that we will see colleges crossing reach similiar levels to that achieved early this month, and not reopening until late in the week. In relation to the impact from Wivenhoe releases;

Numbers:	Nil
Origin:	Nil
Destinations:	Nil
Evacuation Centers Activated:	Nil
Transport Logistics:	Nil

8. INDUSTRY

Council:	Major potholes are appearing thru out the network. Colleges Crossing and Riverheart are inundated
Government Offices:	Nil
Schools:	Nil
Hospitals:	Nil
Private Enterprise:	Nil

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	Availability of resources and LDMG members due to holiday period.
Staff / Resources Deployment:	⇒ Council crews will reopen bridges and undertake assessment of damage caused. 2 crews will focus on pavement repairs over the next week to strategic roads.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Resources being directed to at repairs to the road and bridges network.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

LDCC deactivated
LDMG at "alert" status
Council operations will return to normal activity.

12. GENERAL OVERVIEW OF THE SITUATION

All catchments have peaked and given that there is no significant rain forecasted for the Ipswich area, will see flood levels residing and bridges/roads reopening.

13. CONTENTIOUS ISSUES

Planned RCD work to be undertaken over the Xmas/New Year Period on Council Facilities which required all system to be shut down was cancelled due to the pending weather.
Failure of community to obey road closures and public safety messages. Signage is being removed.
Public safety as flooded areas become tourist attractions.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	**Time**	**Sitrep No.**
11 January 2011	2:00pm	1

1. WEATHER

Local observations:	Expected Peak of Bremer River is
Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing is current as at 1:00 pm today. - Brisbane Street, West Ipswich (One Mile Bridge) - Junction Road, Karalee - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Old Toowoomba Road at 3 Mile Bridge - Marsden Parade, Ipswich - Sydney Street, Brassall - Bremer Parade, Woodend - Roseberry Parade, Woodend - Thagoona Haigslea Road - Karrabin Rosewood Road - Rosewood Marburg Road - Ipswich Rosewood Road - Mt Crosby Road near the treatment works at Tantivy Hill - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Ipswich Boonah Road - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge) - King Edward Parade - Rosewood Laidley Road - Kholo Road, (Brisbane River) - Rosewood Warrill View Road

Rail:	Ipswich Rail Line is closed, buss will be running instead.
Aviation:	Nil
Marine:	
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network:	Nil
Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Nil
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	Nil
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Ext 2,500
Numbers:	Ext 6,000
Origin:	City Wide
Destinations:	Evacuation Centre's
Evacuation Centers Activated:	Ipswich Show Grounds, St Joseph's Primary, Yes
Transport Logistics:	Buses and Private

8. INDUSTRY

Council:	
Government Offices:	Nil
Schools:	Nil
Hospitals:	Nil
Private Enterprise:	Nil

9. LOCAL ARRANGEMENTS

Changes in Contacts:	Nil

Problems Encountered:	Availability of resources.
Staff / Resources Deployment:	Council Officers - Volunteers

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Evacuation Centre's

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

DDCC activated
LDMG at Stand Up status

12. GENERAL OVERVIEW OF THE SITUATION

Evacuation Centres established
Set up of road closures
Flood Monitoring

13. CONTENTIOUS ISSUES

Diabetics
Food supply for centre's.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
11 January 2011	12:15pm	2

1. WEATHER

Local observations:	Expected Peak of Bremer River is 21-22 metres
Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing is current as at 1:00 pm today. - Brisbane Street, West Ipswich (One Mile Bridge) - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Ferrett Street @ Gladstone Road - Junction Road, Karalee - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Old Toowoomba Road at 3 Mile Bridge - Marsden Parade, Ipswich - Sydney Street, Brassall - Bremer Parade, Woodend - Roseberry Parade, Woodend - Thagoona Haigslea Road - Karrabin Rosewood Road - Rosewood Marburg Road - Ipswich Rosewood Road - Mt Crosby Road near the treatment works at Tantivy Hill - Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Ipswich Boonah Road - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna

	- Woogaroo Street, Goodna - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge) - King Edward Parade - Rosewood Laidley Road - Kholo Road, (Brisbane River) - Rosewood Warrill View Road
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Exchange Cnr East/Brisbane Streets – expect flooding Telstra to advise of their contingency Plan tomorrow morning.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil – Energex selectively cutting power in CBD.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Nil
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	1 @ Marburg
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Ext 2,500
Numbers:	Ext 6,000
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support.
Evacuation Centers	Ipswich Show Grounds 350 St Joseph's Primary 60 Ipswich Girls Grammar 100 Boys Grammar Schools 120 Shiloh Church – Goodna 60 Ipswich Comm. Reg. Church 100

Activated:	Yes
Transport Logistics:	Buses and Private – Sources by Council – 4 currently operating.

8. INDUSTRY

Council:	Bridges damaged – Marburg/Rosewood Road –further damage unknown
Government Offices:	Unknown
Schools:	Nil
Hospitals:	Yes
Private Enterprise:	Unknown

9. LOCAL ARRANGEMENTS

Changes in Contacts:	LDC change – Ross Drabble replaced Tony Trace
Problems Encountered:	Supply of nominated resources for evacuation centres. (Lack support from district – EMAIL.)
Staff / Resources Deployment:	Council Officers - Volunteers

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Minister for Transport, Rachel Nolan attended LDMG Meetings which were held @ 8am, 2pm and 6pm. Next meeting @ 8am 12/1/11.
Evacuation Centre's

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

DDCC activated
LDMG at Stand Up status
Establishment of future Evac. Centres as demand requires. Currently establishing St. Paul's Hall.

12. GENERAL OVERVIEW OF THE SITUATION

Evacuation Centres established – Ipswich Show Grounds, Girls & Boys Grammar, St Joseph's Primary and Ipswich Community Church – Ripley Road, Ripley.
Department of Communities have 9 staff at Ipswich Show Grounds, Boys Grammar – Lifeline, Salvation Army and Centrelink have been approached to provide assistance at evacuation centres.
Set up of road closures – continually being monitored.
Flood Monitoring
QUU monitoring their assets, and will advise Energex if power needs to be cut.
Ipswich Hospital working with skeleton staff
QAS – preparing to evacuate residents of Riverview Gardens to Salvation Army facilities at Chapel Hill
Department of Communities concerned about high needs patients and how they will house them at the George Thorn Building. QAS have offered assistance with transport.
Aldi, Coles and Woolworths have been approached for supply of perishable items.
Council received 4,000 calls in regards to do we need to evacuate and where do we go.

13. CONTENTIOUS ISSUES

Diabetics
Food supply and bedding for Evacuation Centres.

14. CATCHMENT UPDATE

We have received approximately 30 to 120mm across the catchment over the last 12 hours, with almost none (1-2mm) in the last 6 hours. We have seen peaks in most of the upper reaches of the streams and they are now falling.

Ipswich (David Trumpy Bridge) is currently at a level of 18.05m and is still rising, the latest prediction from BoM suggest that we will see a slowing of this rise to around 18-19m by 6am and expect a peak of approximately 22m by mid afternoon tomorrow.

Once we reach 8am tomorrow, we should be in a good position with enough information in relation to peaks and flows in the catchment and for time to digest the emerging Wivenhoe release strategy, for the BOM to provide a more acurate peak prediction for the Bremer.

NB: Updated stream Levels attached



Stream Heights 11-01-11-1.pdf

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	Time	Sitrep No.
12 January 2011	10:00 pm	3

1. WEATHER

Local observations:	Peak of 19.4m reached mid afternoon. Streams continue to fall, Ipswich is currently at 18.85m and falling at a rate of 150mm per hour. We have seen falls further downstream in Bundamba Creek of approximately 200mm in the last 2 hours. Mt Crosby has fallen nearly 600mm in the last 2 hours.
Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing is current as at 1:00 pm today. - Brisbane Street, West Ipswich (One Mile Bridge) - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Ferrett Street @ Gladstone Road - Junction Road, Karalee - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Old Toowoomba Road at 3 Mile Bridge - Marsden Parade, Ipswich - Sydney Street, Brassall - Bremer Parade, Woodend - Roseberry Parade, Woodend - Thagoona Haigslea Road - Karrabin Rosewood Road - Rosewood Marburg Road - Ipswich Rosewood Road - Mt Crosby Road near the treatment works at Tantivy Hill - Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Ipswich Boonah Road - Brisbane Terrace is currently closed from Monash Street to Lower

	James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge) - King Edward Parade - Rosewood Laidley Road - Kholo Road, (Brisbane River) - Rosewood Warrill View Road - South Street - Limestone Street - David Trumpy Bridge
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Issue with communication with Karalee area.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil – Energex have selectively cut power in CBD and through out Ipswich.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Council to commence assessments once waters reduce.
Services:	Telephone communications are a concern in karallee area.
Environmental:	Nil

6. POPULATION

Deceased:	1 @ Marburg, 1 other reported today
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Ext 768 (to be revised with lower peak)
Numbers:	Ext 1500 (to be revised with lower peak)
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support.
Evacuation Centers	We are currently managing 11 centres. The strategy is to

Activated:	consolidate centres to assist with resource and distribution matters. Yes
Transport Logistics:	Buses and Private – Sources by Council – 4 currently operating.

8. INDUSTRY

Council:	Bridges damaged – Marburg/Rosewood Road –further damage unknown Riverview Depot flooded.
Government Offices:	Unknown to be reassessed as waters recede
Schools:	Nil
Hospitals:	Yes
Private Enterprise:	Unknown to be assessed as waters recede

9. LOCAL ARRANGEMENTS

Changes In Contacts:	
Problems Encountered:	
Staff / Resources Deployment:	Council Officers - Volunteers

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Minister for Transport, Rachel Nolan attended LDMG Meetings which were held @ 8am, 2pm and 6pm. Next meeting @ 8am 12/1/11.
Evacuation Centre's under management.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

DDCC activated
LDMG at Stand Up status
Consolidation of Evacuation Centres to allow easier management for Resourcing and distribution. Local Recovery Coordinator has been appointed and will commence recovery planning on the 13/1/11. Council to commence damage assessment as waters recede.

12. GENERAL OVERVIEW OF THE SITUATION

Evacuation Centres established and resourced to at least Friday. Several unofficial centres are being encouraged to move to main centre at Ipswich Showgrounds.
Red Cross will take over full centre control as at 10pm 12/1/11.
Set up of road closures – continually being monitored.
Flood Monitoring continuing.
QUU monitoring their assets, and will advise Energex if power needs to be cut.
Ipswich Hospital working with skeleton staff
QAS – preparing to evacuate residents of Riverview Gardens to Salvation Army facilities at Chapel Hill
Department of Communities concerned about high needs patients and how they will house them at the George Thorn Building. QAS have offered assistance with transport.
Aldi, Coles and Woolworths are supporting evacuation centres.
Council received 4,000 calls in regards to do we need to evacuate and where do we go.

13. CONTENTIOUS ISSUES

Diabetics
Food supply and bedding for Evacuation Centres.

14. CATCHMENT UPDATE

Little or no rainfall recorded in catchment in the previous three (3) hours. We have seen peaks in most of the upper reaches of the streams and they are now falling.

Ipswich (David Trumpy Bridge) is currently at a level of 18.5m and is still rising, the latest prediction from BoM suggest that we will see a slowing of this rise to around 20.5m today.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	Time	Sitrep No.
12 January 2011	10:00 pm	4

1. WEATHER

Local observations:	Peak of 19.4m reached mid afternoon. Streams continue to fall, Ipswich is currently at 18.85m and falling at a rate of 150mm per hour. We have seen falls further downstream in Bundamba Creek of approximately 200mm in the last 2 hours. Mt Crosby has fallen nearly 600mm in the last 2 hours.
Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing is current as at 1:00 pm today. - Brisbane Street, West Ipswich (One Mile Bridge) - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Ferrett Street @ Gladstone Road - Junction Road, Karalee - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Old Toowoomba Road at 3 Mile Bridge - Marsden Parade, Ipswich - Sydney Street, Brassall - Bremer Parade, Woodend - Roseberry Parade, Woodend - Thagoona Haigslea Road - Karrabin Rosewood Road - Rosewood Marburg Road - Ipswich Rosewood Road - Mt Crosby Road near the treatment works at Tantivy Hill - Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Ipswich Boonah Road - Brisbane Terrace is currently closed from Monash Street to Lower

	James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge) - King Edward Parade - Rosewood Laidley Road - Kholo Road, (Brisbane River) - Rosewood Warrill View Road - South Street - Limestone Street - David Trumpy Bridge
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Issue with communication with Karalee area.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil – Energex have selectively cut power in CBD and through out Ipswich.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Council to commence assessments once waters reduce.
Services:	Telephone communications are a concern in karallee area.
Environmental:	Nil

6. POPULATION

Deceased:	1 @ Marburg, 1 other reported today
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Ext 768 (to be revised with lower peak)
Numbers:	Ext 1500 (to be revised with lower peak)
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support.

Evacuation Centers	We are currently managing 11 centres. The strategy is to consolidate centres to assist with resource and distribution matters.
Activated:	Yes
Transport Logistics:	Buses and Private – Sources by Council – 4 currently operating.

8. INDUSTRY

Council:	Bridges damaged – Marburg/Rosewood Road –further damage unknown Riverview Depot flooded.
Government Offices:	Unknown to be reassessed as waters recede
Schools:	Nil
Hospitals:	Yes
Private Enterprise:	Unknown to be assessed as waters recede

9. LOCAL ARRANGEMENTS

Changes In Contacts:	
Problems Encountered:	
Staff / Resources Deployment:	Council Officers - Volunteers

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Minister for Transport, Rachel Nolan attended LDMG Meetings which were held @ 8am, 2pm and 6pm. Next meeting @ 8am 12/1/11.
Evacuation Centre's under management.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

DDCC activated
LDMG at Stand Up status
Consolidation of Evacuation Centres to allow easier management for Resourcing and distribution. Local Recovery Coordinator has been appointed and will commence recovery planning on the 13/1/11. Council to commence damage assessment as waters recede.

12. GENERAL OVERVIEW OF THE SITUATION

Evacuation Centres established and resourced to at least Friday. Several unofficial centres are being encouraged to move to main centre at Ipswich Showgrounds.
Red Cross will take over full centre control as at 10pm 12/1/11.
Set up of road closures – continually being monitored.
Flood Monitoring continuing.
QUU monitoring their assets, and will advise Energex if power needs to be cut.
Ipswich Hospital working with skeleton staff
QAS – preparing to evacuate residents of Riverview Gardens to Salvation Army facilities at Chapel Hill
Department of Communities concerned about high needs patients and how they will house them at the George Thorn Building. QAS have offered assistance with transport.

Aldi, Coles and Woolworths are supporting evacuation centres.
Council received 4,000 calls in regards to do we need to evacuate and where do we go.

13. CONTENTIOUS ISSUES

Diabetics
Food supply and bedding for Evacuation Centres.

14. CATCHMENT UPDATE

Little or no rainfall recorded in catchment in the previous three (3) hours. We have seen peaks in most of the upper reaches of the streams and they are now falling.

Ipswich (David Trumpy Bridge) is currently at a level of 18.5m and is still rising, the latest prediction from BoM suggest that we will see a slowing of this rise to around 20.5m today.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	Time	Sitrep No.
13 January 2011	Midday	5

1. WEATHER

Local observations:	Bremer River Peaked at 19.4 metres
Any difference from official weather reports:	No

2. TRANSPORT

(If roads, airstrips etc closed, Include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Closed - Brisbane Street, West Ipswich (One Mile Bridge) - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Ferrett Street @ Gladstone Road - Junction Road, Karalee - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Old Toowoomba Road at 3 Mile Bridge - Marsden Parade, Ipswich - Sydney Street, Brassall - Bremer Parade, Woodend - Roseberry Parade, Woodend - Thagoona Haigslea Road - Karrabin Rosewood Road - Mt Crosby Road near the treatment works at Tantivy Hill - Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge)

	- King Edward Parade - Rosewood Laidley Road - Kholo Road, (Brisbane River) - Rosewood Warrill View Road - Hunter Street, Brassall - Pine Mountain Road at Bodies store – Mihi Creek - Fernvale Road – Ipswich State High School. Open - Rosewood Marburg Road - Ipswich Rosewood Road - Ipswich Boonah Road - David Trumpy Bridge - Warwick Road, Deebing Creek
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Exchange Cnr East/Brisbane Streets – expect flooding Telstra to advise of their contingency Plan tomorrow morning. Telstra advise there exchange at East & Brisbane Streets, has been declared a Red Zone. Also need assistance with asset on Warrego Highway
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Nil – Energex selectively cutting power in CBD.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	Nil
Services:	Nil
Environmental:	Nil

6. POPULATION

Deceased:	1 @ Marburg
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Est. 768 (to be revised with lower peak)
Numbers:	Est. 1,500 (to be revised with lower peak)
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation

	Centre's used for those without support.
Evacuation Centers Activated:	We are currently managing 11 centers. The strategy is to consolidate centers to assist with resource and distribution matters Yes
Transport Logistics:	Buses and Private – Sources by Council – 4 currently operating.

8. INDUSTRY

Council:	Bridges damaged – Marburg/Rosewood Road –further damage unknown. Riverview Depot Flooded
Government Offices:	Unknown to be reassessed as waters recede
Schools:	Nil
Hospitals:	Yes
Private Enterprise:	Unknown to be assessed as waters recede

9. LOCAL ARRANGEMENTS

Changes In Contacts:	LDC change – Tony Trace replaced Ross Drabble
Problems Encountered:	
Staff / Resources Deployment:	Council Officers - Volunteers

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Minister for Transport, Rachel Nolan attended LDMG Meetings which were held @ 8am. Next meeting @ 3pm 13/1/11.
Evacuation Centre's
Monitoring flood level and road damage repair. Identifying issues with evacuation centres.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

DDCC activated
LDMG at Stand Up status
Establishment of future Evac. Centres as demand requires. Currently establishing St. Paul's Hall.

12. GENERAL OVERVIEW OF THE SITUATION

Evacuation Centres established – Ipswich Show Grounds, Girls & Boys Grammar, St Joseph's Primary and Ipswich Community Church – Ripley Road, Ripley, Shiloh Church Goodna.
Department of Communities have 9 staff at Ipswich Show Grounds, Boys Grammar – Lifeline, Salvation Army and Centrelink have been approached to provide assistance at evacuation centres.
Set up of road closures – continually being monitored.
Flood Monitoring
QUU monitoring their assets, and will advise Energex if power needs to be cut.
Ipswich Hospital working with skeleton staff
QAS – preparing to evacuate residents of Riverview Gardens to Salvation Army facilities at Chapel Hill
Department of Communities concerned about high needs patients and how they will house them at the George Thorn Building. QAS have offered assistance with transport.
Aldi, Coles and Woolworths have been approached for supply of perishable items.
Council received 4,000 calls in regards to do we need to evacuate and where do we go.

13. CONTENTIOUS ISSUES

Diabetics
Food supply and bedding for Evacuation Centres.

14. CATCHMENT UPDATE

Little or no rainfall recorded in catchment in the previous three (3) hours. We have seen peaks in most of the upper reaches of the streams and they are now falling.

Ipswich (David Trumpy Bridge) is currently at a level of 16.9m.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	**Time**	**Sitrep No.**
13 January 2011	1700 hrs	6

1. WEATHER

Local observations:	Bremer River currently at 15 metres @ 3:00 pm (BoM Predictor)
Any difference from official weather reports:	Is that it will be 11m by 5:00 am

2. TRANSPORT

(If roads, airstrips etc closed, Include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Closed - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Ferrett Street @ Gladstone Road - Junction Road, Karalee - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Old Toowoomba Road at 3 Mile Bridge - Marsden Parade, Ipswich - Sydney Street, Brassall - Bremer Parade, Woodend - Roseberry Parade, Woodend - Thagoona Haigslea Road - Mt Crosby Road near the treatment works at Tantivy Hill - Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge) - King Edward Parade - Kholo Road, (Brisbane River)

	- Rosewood Warrill View Road - Hunter Street, Brassall - Pine Mountain Road at Bodies store – Mihi Creek - Fernvale Road – Ipswich State High School - Creek Street, Bundamba - Smith Street, Goodna – Queen, Stuart - Smith Street, Goodna – Collingwood Drive East Open - Rosewood Marburg Road - Ipswich Rosewood Road - Ipswich Boonah Road - David Trumpy Bridge - Warwick Road, Deebing Creek - Brisbane Street, West Ipswich (One Mile Bridge) - Karrabin Rosewood Road - Rosewood Laidley Road -
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra advise there exchange at East & Brisbane Streets, has been declared a Red Zone. Also need assistance with asset on Warrego Highway. Issues at Karalee Evacuation Centre, which has no power & mobile phones are now in demand. Request for assistance has been sent to DDC
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response group are commencing with these
Services:	
Environmental:	

6. POPULATION

Deceased:	1 @ Marburg & 1 reported yesterday.
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Est. 768 (to be revised with lower peak)
Numbers:	Est. 1,500 (to be revised with lower peak)
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support.
Evacuation Centre's	We are currently managing 11 centre's, including Ipswich Show Grounds and Ripley (currently managed by Red Cross). The strategy is to consolidate centre's to assist with resource and distribution matters. Looking at increasing Red Cross Assistance
Activated:	Yes
Transport Logistics:	Buses and Private – Sources by Council – 4 currently operating.

8. INDUSTRY

Council:	Initial assessment is being done for COB Friday
Government Offices:	QFRS Rapid Assessment team will be commencing program tomorrow
Schools:	
Hospitals:	
Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	
Staff / Resources Deployment:	Council Officers – Volunteers (250) RAAF has been Stood Up

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Minister for Transport, Rachel Nolan attended LDMG Meetings which were held @ 3 pm. Next meeting @ 9 am 14/1/11.
Monitoring of Evacuation Centre's and daily resupply of required resources.
Monitoring flood level and road damage repair. Identifying issues with evacuation centres.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

DDCC activated
LDMG at Stand Up status
QFRS Rapid Assessment and Fly over assessments

12. GENERAL OVERVIEW OF THE SITUATION

Evacuation Centres established – Ipswich Show Grounds, Girls & Boys Grammar, St Joseph's Primary and Ipswich Community Church – Ripley Road, Ripley, Shiloh Church Goodna.
Department of Communities have 9 staff at Ipswich Show Grounds, Boys Grammar – Lifeline, Salvation Army and Centrelink have been approached to provide assistance at evacuation centres.
Strategic Roads being re-established.

Flood Monitoring of river fall to assess windows for recovery to commence.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes.
Ipswich Hospital working with skeleton staff
Aldi, Coles and Woolworths have been approached for supply of perishable items and supplying
Council Call Centre calls are now centering around when can I go home, is it safe to enter, what do I do with rubbish – Community are very 'calm'
Council has appointed "Local Recovery Coordinator"

13. CONTENTIOUS ISSUES

Ongoing resourcing
Communication messages for leavers / returnees.

14. CATCHMENT UPDATE

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	Time	Sitrep No.
14 January 2011	1000 hrs	7

1. WEATHER

Local observations:	**Forecast for Friday** Mostly fine, Just the chance of a brief shower or two. Light to moderate E to SE winds. Max 29 **Saturday** Mostly fine, possible shower Max 29 **Sunday** Mostly fine, possible shower Max 30 **Monday** Afternoon shower, chance storm Max 32 **Tuesday** Afternoon shower, chance storm Max 31 **Wednesday** A few showers, chance storm Max 28 **Thursday** A few showers Max 27 Bremer River currently at 10.45 metres @ 7:00 am.
Any difference from official weather reports:	Wivenhoe Dam realeases will be maintained at 3500m3/sec and as such we should river levels in the Brisbane consistent until yesterday next week.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Closed - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Ferrett Street @ Gladstone Road - Junction Road, Karalee - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Old Toowoomba Road at 3 Mile Bridge - Marsden Parade, Ipswich - Sydney Street, Brassall - Bremer Parade, Woodend - Roseberry Parade, Woodend - Thagoona Haigslea Road - Mt Crosby Road near the treatment works at Tantivy Hill

	- Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge) - King Edward Parade - Kholo Road, (Brisbane River) - Rosewood Warrill View Road - Hunter Street, Brassall - Pine Mountain Road at Bodies store – Mihi Creek - Fernvale Road – Ipswich State High School - Creek Street, Bundamba - Smith Street, Goodna – Queen, Stuart - Smith Street, Goodna – Collingwood Drive East Open - Rosewood Marburg Road - Ipswich Rosewood Road - Ipswich Boonah Road - David Trumpy Bridge - Warwick Road, Deebing Creek - Brisbane Street, West Ipswich (One Mile Bridge) - Karrabin Rosewood Road - Rosewood Laidley Road Council crews continue to inspect and repair the City's road network.
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra advise there exchange at East & Brisbane Streets, has been declared a Red Zone. Also need assistance with asset on Warrego Highway.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas.

	Issues raised around timing of power return to unaffected areas.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response group are commencing with these today and will be followed with SES crews doing on-site damage/assistance surveys.
Services:	
Environmental:	

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Est. 768 Urban streets impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Our current estimate is that there is 2400 houses impacted by flood waters.
Numbers:	890 – numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Showgrounds
Evacuation Centre's Activated:	We are currently managing 11 centre's, including Ipswich Show Grounds and Ripley (currently managed by Red Cross). The strategy is to consolidate centre's to assist with resource and distribution matters, as numbers reduce. Red Cross resources expected early this morning. Yes
Transport Logistics:	Buses and Private – Sources by Council – 4 currently operating. Resource Distribution Centre operating at the Ipswich Showgrounds to resupply other centres.

8. INDUSTRY

Council:	QFRS Rapid Assessment team will be commencing program today. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.
Government Offices:	
Schools:	
Hospitals:	
Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes in Contacts:	
Problems Encountered:	
Staff / Resources Deployment:	Council Officers, Red Cross and Volunteers RAAF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

LDMG is be held at 9:00am and 3:00pm today.
Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centres.
Rapid Assessment being undertaken by QFRS.
DDCC activated
LDMG at Stand Up status

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.

12. GENERAL OVERVIEW OF THE SITUATION

Evacuation Centres established – Ipswich Show Grounds, Girls & Boys Grammar, St Joseph's Primary and Ipswich Community Church – Ripley Road, Ripley, Shiloh Church Goodna.
Department of Communities have 9 staff at Ipswich Show Grounds, Boys Grammar – Lifeline, Salvation Army and Centrelink have been approached to provide assistance at evacuation centres.
Strategic Roads being re-established.
Flood Monitoring of river fall to assess windows for recovery to commence.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes.
Ipswich Hospital working with skeleton staff
Aldi, Coles and Woolworths have been approached for supply of perishable items and supplying
Council Call Centre calls are now centering around when can I go home, is it safe to enter, what do I do with rubbish – Community are very 'calm'
Council has appointed "Local Recovery Coordinator"

13. CONTENTIOUS ISSUES

Communication messages for leavers / returnees.
Communication with Karalee – police has provided over

14. CATCHMENT UPDATE

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
14 January 2011	1000 hrs	7

1. WEATHER

Local observations:	**Forecast for Friday** Mostly fine, just the chance of a brief shower or two. Light to moderate E to SE winds. Max 29 Saturday Mostly fine, possible shower Max 29 Sunday Mostly fine, possible shower Max 30 Monday Afternoon shower, chance storm Max 32 Tuesday Afternoon shower, chance storm Max 31 Wednesday A few showers, chance storm Max 28 Thursday A few showers Max 27 Bremer River currently at 10.45 metres @ 7:00 am.
Any difference from official weather reports:	Wivenhoe Dam realeases will be maintained at 3500m3/sec and as such we should river levels in the Brisbane consistent until yesterday next week.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Closed - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Ferrett Street @ Gladstone Road - Junction Road, Karalee - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Old Toowoomba Road at 3 Mile Bridge - Marsden Parade, Ipswich - Sydney Street, Brassall - Bremer Parade, Woodend - Roseberry Parade, Woodend - Thagoona Haigslea Road - Mt Crosby Road near the treatment works at Tantivy Hill

	- Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge) - King Edward Parade - Kholo Road, (Brisbane River) - Rosewood Warrill View Road - Hunter Street, Brassall - Pine Mountain Road at Bodies store – Mihi Creek - Fernvale Road – Ipswich State High School - Creek Street, Bundamba - Smith Street, Goodna – Queen, Stuart - Smith Street, Goodna – Collingwood Drive East Open - Rosewood Marburg Road - Ipswich Rosewood Road - Ipswich Boonah Road - David Trumpy Bridge - Warwick Road, Deebing Creek - Brisbane Street, West Ipswich (One Mile Bridge) - Karrabin Rosewood Road - Rosewood Laidley Road Council crews continue to inspect and repair the City's road network.
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra advise there exchange at East & Brisbane Streets, has been declared a Red Zone. Also need assistance with asset on Warrego Highway.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas.

	Issues raised around timing of power return to unaffected areas.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response group are commencing with these today and will be followed with SES crews doing on-site damage/assistance surveys.
Services:	
Environmental:	

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Est. 768 Urban streets impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Our current estimate is that there is 2400 houses impacted by flood waters.
Numbers:	890 – numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Showgrounds
Evacuation Centre's Activated:	We are currently managing 11 centre's, including Ipswich Show Grounds and Ripley (currently managed by Red Cross). The strategy is to consolidate centre's to assist with resource and distribution matters, as numbers reduce. Red Cross resources expected early this morning. Yes
Transport Logistics:	Buses and Private – Sources by Council – 4 currently operating. Resource Distribution Centre operating at the Ipswich Showgrounds to resupply other centres.

8. INDUSTRY

Council:	QFRS Rapid Assessment team will be commencing program today. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.
Government Offices:	
Schools:	
Hospitals:	
Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes in Contacts:	
Problems Encountered:	
Staff / Resources Deployment:	Council Officers, Red Cross and Volunteers RAAF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

LDMG is be held at 9:00am and 3:00pm today.
Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centres.
Rapid Assessment being undertaken by QFRS.
DDCC activated
LDMG at Stand Up status

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)
QFRS Rapid Assessment and Fly over assessments
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.

12. GENERAL OVERVIEW OF THE SITUATION

Evacuation Centres established – Ipswich Show Grounds, Girls & Boys Grammar, St Joseph's Primary and Ipswich Community Church – Ripley Road, Ripley, Shiloh Church Goodna.
Department of Communities have 9 staff at Ipswich Show Grounds, Boys Grammar – Lifeline, Salvation Army and Centrelink have been approached to provide assistance at evacuation centres.
Strategic Roads being re-established.
Flood Monitoring of river fall to assess windows for recovery to commence.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes.
Ipswich Hospital working with skeleton staff
Aldi, Coles and Woolworths have been approached for supply of perishable items and supplying
Council Call Centre calls are now centering around when can I go home, is it safe to enter, what do I do with rubbish – Community are very 'calm'
Council has appointed "Local Recovery Coordinator"

13. CONTENTIOUS ISSUES

Communication messages for leavers / returnees.
Communication with Karalee – police has provided over

14. CATCHMENT UPDATE

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
14 January 2011	1930 hrs	8

1. WEATHER

Local observations:	**Forecast for Friday** Mostly fine, just the chance of a brief shower or two. Light to moderate E to SE winds. Max 29 **Saturday** Mostly fine, possible shower Max 29 **Sunday** Mostly fine, possible shower Max 30 **Monday** Afternoon shower, chance storm Max 32 **Tuesday** Afternoon shower, chance storm Max 31 **Wednesday** A few showers, chance storm Max 28 **Thursday** A few showers Max 27 Bremer River currently at 9.00 metres @ 9.31 pm.
Any difference from official weather reports:	Wivenhoe Dam releases will be maintained at 3,500m3/sec and as such we should river levels in the Brisbane consistent until yesterday next week.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Closed - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - King Edward Parade - Ferrett Street @ Gladstone Road - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Marsden Parade, Ipswich - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Kholo Road, (Brisbane River) - Junction Road, Karalee from Lyndon Way to Bendemeer - Bremer Parade, Woodend - Roseberry Parade, Woodend Open - Rosewood Marburg Road

	- Ipswich Rosewood Road - Ipswich Boonah Road - David Trumpy Bridge - Warwick Road, Deebing Creek - Brisbane Street, West Ipswich (One Mile Bridge) - Karrabin Rosewood Road - Rosewood Laidley Road - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Junction Road, Karalee from Mt Crosby to School - Old Toowoomba Road at 3 Mile Bridge - Sydney Street, Brassall - Thagoona Haigslea Road - Mt Crosby Road near the treatment works at Tantivy Hill - Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge – reduced speed) - King Edward Parade - Rosewood Warrill View Road - Hunter Street, Brassall - Pine Mountain Road at Bodies store – Mihi Creek - Fernvale Road – Ipswich State High School - Smith Street, Goodna – Queen, Stuart - Smith Street, Goodna – Collingwood Drive East - Barram Street, Goodna - William Street, Goodna Council crews continue to inspect and repair the City's road network.
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra advise there exchange at East & Brisbane Streets, has been declared a Red Zone. Also need assistance with asset on Warrego Highway.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings: Services: Environmental:	QFRS Rapid response group are commencing with these today and will be followed with SES crews doing on-site damage/assistance surveys. QFRS expect 80% of city will be inspected by COB today. EMQ advises that the expect the SES damage/assistance surveys to be completed by 4pm tomorrow.

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Est. 768 Urban streets impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Our current estimate is that there is 2,400 houses impacted by flood waters.
Numbers:	890 – numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's Activated:	Number of know evacuation centre's has reduced from 11. Boys Grammar has now closed Girls Grammar is to be closed tomorrow St Joseph's Primary has been relocated to the Ipswich Show Grounds Move of residents back to Riverview Gardens is complete – Ripley is now closed. Yes
Transport Logistics:	Buses and Private – Sources by Council – 4 currently operating. Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centres.

8. INDUSTRY

Council: Government Offices: Schools: Hospitals: Private Enterprise:	QFRS Rapid Assessment team will be commencing program today. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Change from Tony Trace
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers RAAF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Governor Ms Penelope Wensley, visited the LDMG meeting this morning. Deputy Premier and Minister for Health, Paul Lucas visited this afternoons LDMG meeting.
LDMG was held at 3:00pm today.
Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS. 80% expected to be completed by COB today
DDCC activated
LDMG at Stand Up status

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.

12. GENERAL OVERVIEW OF THE SITUATION

No over Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
Strategic Roads being re-established.
Flood Monitoring of river fall to assess windows for recovery to commence.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes.
Ipswich Hospital working with skeleton staff

13. CONTENTIOUS ISSUES

14. CATCHMENT UPDATE

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
15 January 2011	0830 hrs	9

1. WEATHER

Local observations:	Saturday Mostly fine, possible shower Max 29 Sunday Mostly fine, possible shower Max 30 Monday Afternoon shower, chance storm Max 32 Tuesday Afternoon shower, chance storm Max 31 Wednesday A few showers, chance storm Max 28 Thursday A few showers Max 27 Bremer River currently at 8.4 metres @ 8.00 am.
Any difference from official weather reports:	Wivenhoe Dam releases will be maintained at 3,500m3/sec and as such levels in the Brisbane River will consistent until next week.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Closed - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - King Edward Parade - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Marsden Parade, Ipswich - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Kholo Road, (Brisbane River) - Junction Road, Karalee from Lyndon Way to Bendemeer - Bremer Parade, Woodend - Roseberry Parade, Woodend - Roderick Street (Btwn Roderick East & Ginn Streets – Traffic Management instigated by QPS) Open - Rosewood Marburg Road - Ipswich Rosewood Road - Ipswich Boonah Road

	- David Trumpy Bridge - Warwick Road, Deebing Creek - Brisbane Street, West Ipswich (One Mile Bridge) - Karrabin Rosewood Road - Rosewood Laidley Road - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Junction Road, Karalee from Mt Crosby to School - Old Toowoomba Road at 3 Mile Bridge - Sydney Street, Brassall - Thagoona Haigslea Road - Mt Crosby Road near the treatment works at Tantivy Hill - Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge – reduced speed) - King Edward Parade - Rosewood Warrill View Road - Hunter Street, Brassall - Pine Mountain Road at Bodies store – Mihi Creek - Fernvale Road – Ipswich State High School - Smith Street, Goodna – Queen, Stuart - Smith Street, Goodna – Collingwood Drive East - Barram Street, Goodna - William Street, Goodna - Ferrett Street @ Gladstone Road Council crews continue to inspect and repair the City's road network.
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra advise there exchange at East & Brisbane Streets, has been declared a Red Zone. Telstra building, safety category has been down graded to Amber Zone, which allows staff to work. Air condition units have been replaced. There was no disruption.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings: Services: Environmental:	QFRS Rapid response group are commencing with these today and will be followed with SES crews doing on-site damage/assistance surveys. QFRS expect 80% of city will be inspected by COB today. EMQ advises that the expect the SES damage/assistance surveys to be completed by 4pm tomorrow.

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Est. 768 Urban streets impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Our current estimate is that there is 2,400 houses impacted by flood waters.
Numbers:	890 – numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's Activated:	Number of know evacuation centre's has reduced from 11. Boys Grammar has now closed Girls Grammar is to be closed tomorrow St Joseph's Primary has been relocated to the Ipswich Show Grounds Move of residents back to Riverview Gardens is complete – Ripley is now closed. Yes
Transport Logistics:	Buses and Private – Sources by Council – 4 currently operating. Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centres.

8. INDUSTRY

Council: Government Offices: Schools: Hospitals: Private Enterprise:	QFRS Rapid Assessment team will be commencing program yesterday.. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.

9. LOCAL ARRANGEMENTS

Changes in Contacts:	Change from Tony Trace
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers RAAF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS. 80% expected to be completed by COB yesterday.
DDCC activated
LDMG at Stand Up status

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.

12. GENERAL OVERVIEW OF THE SITUATION

No of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
Strategic Roads being re-established.
Flood Monitoring of river fall to assess windows for recovery to commence.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes.
Ipswich Hospital working with skeleton staff

13. CONTENTIOUS ISSUES

14. CATCHMENT UPDATE

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
15 January 2011	1700 hrs	10

1. WEATHER

Local observations:	Forecast for Saturday Max *30* Mostly fine, just a light shower or two, chiefly during the morning. Light to moderate SE winds, tending E'ly in the afternoon. Sunday Fine Min *19* Max *30* Monday - Afternoon shower, possible storm Min *20* Max *31* Tuesday - Afternoon showers, possible storm Min *21* Max *32* Wednesday - A few showers, possible storm Min *21* Max *30* Thursday - A few showers, possible storm Min *20* Max *28* Friday - Mostly fine, possible shower Min *19* Max *28* Bremer River is currently 8.4 metres
Any difference from official weather reports:	Wivenhoe Dam releases will be maintained at 3,500m3/sec and as such levels in the Brisbane River will consistent until next week.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Closed - Brisbane Street @ Marsden Parade - Brisbane Street – One Mile Bridge - King Edward Parade - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Marsden Parade, Ipswich - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Kholo Road, (Brisbane River) - Junction Road, Karalee from Lyndon Way to Bendemeer - Bremer Parade, Woodend - Roderick Street (Btwn Roderick East & Ginn Streets – Traffic Management instigated by QPS)

	Open - Rosewood Marburg Road - Ipswich Rosewood Road - Ipswich Boonah Road - David Trumpy Bridge - Warwick Road, Deebing Creek - Brisbane Street, West Ipswich (One Mile Bridge) - Karrabin Rosewood Road - Rosewood Laidley Road - Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Junction Road, Karalee from Mt Crosby to School - Old Toowoomba Road at 3 Mile Bridge - Sydney Street, Brassall - Thagoona Haigslea Road - Mt Crosby Road near the treatment works at Tantivy Hill - Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge – reduced speed) - King Edward Parade - Rosewood Warrill View Road - Hunter Street, Brassall - Pine Mountain Road at Bodies store – Mihi Creek - Fernvale Road – Ipswich State High School - Smith Street, Goodna – Queen, Stuart - Smith Street, Goodna – Collingwood Drive East - Barram Street, Goodna - William Street, Goodna - Ferrett Street @ Gladstone Road - Roseberry Parade, Woodend Council crews continue to inspect and repair the City's road network.
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra advise there exchange at East & Brisbane Streets, has been declared a Red Zone. Telstra building, safety category has been down graded to Amber Zone, which allows staff to work. Air condition units have been replaced. There was no disruption.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings: Services: Environmental:	QFRS Rapid response group are commencing with these today and will be followed with SES crews doing on-site damage/assistance surveys. QFRS expect 80% of city will be inspected by COB today. EMQ advises that the expect the SES damage/assistance surveys to be completed by 4pm tomorrow.

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, 17 January 2011
Numbers:	890 – numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's Activated:	Number of know evacuation centre's has reduced from 11. Boys Grammar has now closed Girls Grammar is to be closed St Joseph's Primary Closed Ripley closed. Ipswich Show Grounds – 178 Karalee – 15 sleeping & feeding approximately 300 Unsure of figures at: • Shiloh • St Augustine's • Riverview Neighbourhood House This morning we were advised of another Evacuation Centre at Redbank Primary School, unsure of numbers. Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centres.

8. INDUSTRY

Council: Government Offices: Schools: Hospitals:	QFRS Rapid Assessment team started work yesterday. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.

Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Change from Maurie McGuire to Ross Drabble
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers RAAF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS. 80% expected to be completed by COB yesterday.
DDCC activated
LDMG at Stand Up status

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.

12. GENERAL OVERVIEW OF THE SITUATION

No of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
Strategic Roads being re-established.
Flood Monitoring of river fall to assess windows for recovery to commence.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes.
Ipswich Hospital working with skeleton staff
The Local Disaster Coordination Centre will not be manned between 5:00 pm and 9 am

Next LDMG meeting will be 9 am Monday, 17 January 2011

13. CONTENTIOUS ISSUES

14. CATCHMENT UPDATE

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
16 January 2011	0900 hrs	11

1. WEATHER

Local observations:	**Forecast for Saturday Max *30*** Mostly fine, just a light shower or two, chiefly during the morning. Light to moderate SE winds, tending E'ly in the afternoon. **Sunday** Fine Min *19* Max *30* **Monday** - Afternoon shower, possible storm Min *20* Max *31* **Tuesday** - Afternoon showers, possible storm Min *21* Max *32* **Wednesday** - A few showers, possible storm Min *21* Max *30* **Thursday** - A few showers, possible storm Min *20* Max *28* **Friday** - Mostly fine, possible shower Min *19* Max *28* Bremer River is currently 8.4 metres
Any difference from official weather reports:	Wivenhoe Dam releases will be maintained at 3,500m3/sec and as such levels in the Brisbane River will consistent until next week.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Closed - King Edward Parade - Marsden Parade, Ipswich - Lower James Street, Goodna - Lower William Street, Goodna - Woogaroo Street, Goodna - Kholo Road, (Brisbane River) - Junction Road, Karalee from Lyndon Way to Bendemeer - Roderick Street (Btwn Roderick East & Ginn Streets – Traffic Management instigated by QPS) Open - Rosewood Marburg Road - Ipswich Rosewood Road - Ipswich Boonah Road - David Trumpy Bridge - Warwick Road, Deebing Creek - Brisbane Street, West Ipswich (One Mile Bridge) - Karrabin Rosewood Road - Rosewood Laidley Road

	- Limestone Street – Gordon to East - Creek Street/Gledson Street @ Bundamba Creek - Jacaranda Street at Nathan Street - Junction Road, Karalee from Mt Crosby to School - Old Toowoomba Road at 3 Mile Bridge - Sydney Street, Brassall - Thagoona Haigslea Road - Mt Crosby Road near the treatment works at Tantivy Hill - Mt Crosby Road @ Sandy Creek - Simmons Road, North Ipswich - Cypress Street, North Ipswich - Tantivy Road, North Ipswich - Mill Street, Goodna from Bertha Street to Enid Street - Albion St & Kingsmill Rd (Hancock Bridge – reduced speed) - King Edward Parade - Rosewood Warrill View Road - Hunter Street, Brassall - Pine Mountain Road at Bodies store – Mihi Creek - Fernvale Road – Ipswich State High School - Smith Street, Goodna – Queen, Stuart - Smith Street, Goodna – Collingwood Drive East - Barram Street, Goodna - William Street, Goodna - Ferrett Street @ Gladstone Road - Roseberry Parade, Woodend - Brisbane Street @ Marsden Parade - Queensborough Parade, Karalee - Albatross Street, Karalee - Riverside Avenue, Barellan Point - Brisbane Terrace is currently closed from Monash Street to Lower James Street.(However the rates of the flow will see the entire length of Brisbane Terrace closed very soon) - Bremer Parade, Woodend - Brisbane Street – One Mile Bridge - Council crews continue to inspect and repair the City's road network.
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra advise there exchange at East & Brisbane Streets, has been declared a Red Zone. Telstra building, safety category has been down graded to Amber Zone, which allows staff to work. Air condition units have been replaced. There was no disruption.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas.
Auxillary:	Nil

5. DAMAGE REPORTS

Buildings: Services: Environmental:	QFRS Rapid response group are commencing with these today and will be followed with SES crews doing on-site damage/assistance surveys. QFRS expect 80% of city will be inspected by COB today. EMQ advises that the expect the SES damage/assistance surveys to be completed by 4pm tomorrow.

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, 17 January 2011
Numbers:	890 – numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's Activated:	Number of know evacuation centre's has reduced from 11. Boys Grammar has now closed Girls Grammar is to be closed St Joseph's Primary Closed Ripley closed. Ipswich Show Grounds – 178 Karalee – 15 sleeping & feeding approximately 300 Unsure of figures at: • Shiloh • St Augustine's • Riverview Neighbourhood House This morning we were advised of another Evacuation Centre at Redbank Primary School, unsure of numbers. Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centres.

8. INDUSTRY

Council: Government Offices: Schools:	QFRS Rapid Assessment team started work yesterday. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.

Hospitals:	
Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Change from Maurie McGuire to Ross Drabble
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers RAAF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS. 80% expected to be completed by COB yesterday.
DDCC activated
LDMG at Stand Up status

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.

12. GENERAL OVERVIEW OF THE SITUATION

No of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
Strategic Roads being re-established.
Flood Monitoring of river fall to assess windows for recovery to commence.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes.
Ipswich Hospital working with skeleton staff
The Local Disaster Coordination Centre will not be manned between 5:00 pm and 9 am

Next LDMG meeting will be 9 am Monday, 17 January 2011

13. CONTENTIOUS ISSUES

14. CATCHMENT UPDATE

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	**Time**	**Sitrep No.**
16 January 2011	1700 hrs	12

1. WEATHER

Local observations:	**Forecast for Sunday** Mostly fine, just the chance of a light shower. Light to moderate SE winds and an afternoon NE sea breeze. Max 30 Monday Afternoon shower, possible storm Min 20 Max 31 Tuesday Afternoon showers, possible storm Min 21 Max 32 Wednesday Showers, thunderstorm Min 21 Max 31 Thursday Showers, thunderstorm Min 20 Max 30 Friday Mostly fine, possible shower Min 19 Max 29 Saturday Mostly fine, possible shower Min 19 Max 28 Bremer River is currently 8.0 metres 10:00am.
Any difference from official weather reports:	Somerset / Wivenhoe Dam Update: Somerset Dam has peaked at 105.11 m AHD at 06:00 on 12 January 2011. Four sluices are opened. Sluice gates will be utilised to drain of the flood storage compartment during the next 4 days. Water levels in Somerset Dam will fall slowly in the next 24 hours. At 6am Somerset was 100.01m and 424,360ML at 111.7% and discharging 820cumecs. Wivenhoe Dam peaked at 74.97 m AHD at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m3/s. The releases from Wivenhoe Dam are being managed to achieve a target flow of around 3,500 m3/s at Moggill. This release will then be maintained to drain the flood storage component by around Wednesday 19th January. At 6am Wivenhoe Dam was 71.3 m AHD at 1,687,269ML and 144.8% and dropping slowly and discharging around 3,477cumecs and this flow will be maintained. The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million mealtimes.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Local Roads Closed: - King Edward Parade – may open late today or tomorrow - Marsden Parade, Ipswich – may open late today or tomorrow - Roderick Street (intersection will remain closed until Traffic light power is restored) Roads closed due to Brisbane River levels: ⇒ Kholo Road, (Brisbane River) ⇒ Colleges Crossing ⇒ Mt. Crosby Weir Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas.
Rail:	Ipswich Rail Line is closed, buses will be running instead.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra building, safety category has been down graded to Amber Zone, which allows staff to work. Air condition units have been replaced. There has been no disruption.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. Customers currently affected in Ipswich & Surroundings Areas:- 2606
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings: Services: Environmental:	QFRS Rapid response group are commencing with these today and will be followed with SES crews doing on-site damage/assistance surveys. QFRS expected to be completed today.

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, 17 January 2011
Numbers:	– numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's	Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 123 ⇒ Karalee – (15 sleeping & feeding approximately 300) ⇒ Shiloh Church Goodna – 25 sleeping (to be closed Monday 17/01/11) ⇒ Riverview Neighborhood House (15 sleeping & feeding approximately 400 lunch & 150 dinner) ⇒ Redbank Primary School (0 Sleeping, feeding 40) Centres Closed: ⇒ Boys Grammar School ⇒ Girls Grammar School ⇒ St Joseph's Primary School ⇒ Ripley Regional Community Church (may become a Food distribution centre depending on power reconnection) We also have a welfare distribution centre at Camira Community Centre which will be closed by Friday this week and items transferred to Lifeline. Close out strategies are being put in place with Centre Managers and Red Cross with a close down planned by Friday 21st January 2011, depending on appropriate housing being sourced.
Activated:	Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

8. INDUSTRY

Council:	QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.
Government Offices:	
Schools:	
Hospitals:	
Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes In Contacts:	
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers ADF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS. 80% expected to be completed by COB yesterday. Ipswich Event map has been completed and as is available showing the event's impact as ay 13th January 2010.
DDCC activated
LDMG at Stand Up status
Initial Aerial Mapping of Ipswich has been undertaken and is available at nearmap.com.
Evacuation centres have been visited by Federal and State representatives over the last couple of days.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments to be finalised
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.
Commencement of "Impact Assessment" with key agencies in the region.
"Clean up Ipswich" program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Specific allocations to areas are: ⇒ Rosewood/Marburg SES ⇒ Grandchester – ADF ⇒ Karalee - ADF
Clean up requirements are being undertaken in Thagoona today.
EHO's are in the field identifying environmental issues as well as assessing inundated businesses.

12. GENERAL OVERVIEW OF THE SITUATION

No of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
Strategic Roads have been reopened.
Flood Monitoring of river fall to assess windows for recovery to commence.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes.
Ipswich Hospital working with skeleton staff
The Local Disaster Coordination Centre will finish operating at 5pm today and move into the Local Disaster Recovery Centre.

Next LDMG meeting will be 9 am Monday, 17 January 2011

13. CONTENTIOUS ISSUES

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	**Time**	**Sitrep No.**
17 January 2011	4:00 pm	13

1. WEATHER

Local observations:	**Forecast for Monday:** Mostly fine, possible afternoon shower Min 20 Max 31 Tuesday Afternoon showers, possible storm Min 21 Max 32 Wednesday Showers, thunderstorm Min 21 Max 31 Thursday Showers, thunderstorm Min 20 Max 30 Friday Mostly fine, possible shower Min 19 Max 29 Saturday Mostly fine, possible shower Min 19 Max 28 Sunday Mostly fine Min 19 Max 28 Bremer River is currently steady at 8 metres 9am, due to impact from continuous flows in Brisbane River from Wivenhoe Dam releases.
Any difference from official weather reports:	The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres. 6:00 am Somerset 100.8% 6:00 am Wivenhoe 123.8% SEQ Water is planning to initiate a closing sequence this afternoon, with final closure Wednesday morning.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Local Roads Closed: - King Edward Parade – may open late Thursday - Marsden Parade, Ipswich – may open late Thursday Roads closed due to Brisbane River levels: ⇒ Kholo Road, (Brisbane River) ⇒ Colleges Crossing ⇒ Mt. Crosby Weir Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas.
Rail:	Ipswich Rail Line is closed, due to Goodna Station repairs and location boxes restorations, buses will continue to run between Rosewood and Darra.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra building, safety category has been down graded to Amber Zone, which allows staff to work. Air condition units have been replaced. There has been no disruption.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 140 Crews currently in the Western region Customers currently affected in Ipswich & Surroundings Areas is approximately 1,900 Priority for Polar Ice Factory at Lobb Street, Churchill to get power.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response group sent out crews to assess areas, will have information available to Council. QFRS have advised 750-1,000 houses had water in livable areas.
Services:	
Environmental:	

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, 17 January 2011
Numbers:	numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's	Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 46 ⇒ Karalee – Day Site only ⇒ Shiloh Church Goodna – Day Site only ⇒ Riverview Neighborhood House (15 sleeping & feeding approximately 400 lunch & 150 dinner) Centre's Closed: ⇒ Boys Grammar School ⇒ Girls Grammar School ⇒ St Joseph's Primary School ⇒ Ripley Regional Community Church (may become a Food distribution

	centre depending on power reconnection) ⇒ Redbank Primary School ⇒ Avon Hall Leichhardt We also have a welfare distribution centre at Camira Community Centre which will be closed by Friday this week and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross with a close down planned by Friday 21 January 2011, depending on appropriate housing being sourced. Issue for District Community Recovery Committee Possibility of using Salvation Army Store at Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.
Activated:	Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

8. INDUSTRY

Council:	QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.
Government Offices:	
Schools:	
Hospitals:	
Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes In Contacts:	
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers ADF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS.
Ipswich Event map has been completed and as is available showing the event's impact as ay 13 January 2010.
DDCC activated
LDMG at Stand Up status
Initial Aerial Mapping of Ipswich has been undertaken and is available at nearmap.com.
Evacuation centres have been visited by Federal and State representatives over the last couple of days.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments to be finalised
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.
Commencement of 'Impact Assessment' with key agencies in the region.

'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Specific allocations to areas are: ⇒ Goodna – ADF ⇒ Karalee – ADF ⇒ Booval – ADF ⇒ Council Staff and Contractors have removed 4.5 tonne of rubbish to date.
EHO's are in the field identifying environmental issues as well as assessing inundated businesses.
Vector Control and septic tank programs commencing in the Karalee and Bundamba areas.
750 volunteers on board today.

12. GENERAL OVERVIEW OF THE SITUATION

Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
Strategic Roads have been reopened.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes. QUU have issued water safety advice to residents in Marburg only, to boil water before use.
Ipswich Hospital working with skeleton staff
The Local Disaster Coordination Centre will finish operating at 5pm today and move into the Local Disaster Recovery Centre.
Next LDMG meeting will be 9 am Wednesday, 19 January 2011

13. CONTENTIOUS ISSUES

Re housing those evacuees who are unable to return to their homes. The District Community Recovery Committee will discuss what is to be done in this area at its 5pm meeting this afternoon.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
17 January 2011	4:00 pm	14

1. WEATHER

Local observations:	Forecast for Monday: Mostly fine, possible afternoon shower Min 20 Max 31 Tuesday Afternoon showers, possible storm Min 21 Max 32 Wednesday Showers, thunderstorm Min 21 Max 31 Thursday Showers, thunderstorm Min 20 Max 30 Friday Mostly fine, possible shower Min 19 Max 29 Saturday Mostly fine, possible shower Min 19 Max 28 Sunday Mostly fine Min 19 Max 28 Bremer River is currently steady at 8 metres 9am, due to impact from continuous flows in Brisbane River from Wivenhoe Dam releases.
Any difference from official weather reports:	The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres. 6:00 am Somerset 100.8% 6:00 am Wivenhoe 123.8% SEQ Water is planning to initiate a closing sequence this afternoon, with final closure Wednesday morning.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Local Roads Closed: - King Edward Parade – may open late Thursday - Marsden Parade, Ipswich – may open late Thursday Roads closed due to Brisbane River levels: ⇒ Kholo Road, (Brisbane River) ⇒ Colleges Crossing ⇒ Mt. Crosby Weir Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas.
Rail:	Ipswich Rail Line is closed, due to Goodna Station repairs and location boxes restorations, buses will continue to run between Rosewood and Darra.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra building, safety category has been down graded to Amber Zone, which allows staff to work. Air condition units have been replaced. There has been no disruption.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 140 Crews currently in the Western region Customers currently affected in Ipswich & Surroundings Areas is approximately 1,900 Priority for Polar Ice Factory at Lobb Street, Churchill to get power.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response group sent out crews to assess areas, will have information available to Council. QFRS have advised 750-1,000 houses had water in livable areas.
Services:	
Environmental:	

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, 17 January 2011
Numbers:	numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's. used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's	Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 46 ⇒ Karalee – Day Site only ⇒ Shiloh Church Goodna – Day Site only ⇒ Riverview Neighborhood House (15 sleeping & feeding approximately 400 lunch & 150 dinner) Centre's Closed: ⇒ Boys Grammar School ⇒ Girls Grammar School ⇒ St Joseph's Primary School ⇒ Ripley Regional Community Church (may become a Food distribution

	centre depending on power reconnection) ⇒ Redbank Primary School ⇒ Avon Hall Leichhardt We also have a welfare distribution centre at Camira Community Centre which will be closed by Friday this week and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross with a close down planned by Friday 21 January 2011, depending on appropriate housing being sourced. Issue for District Community Recovery Committee Possibility of using Salvation Army Store at Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.
Activated:	Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

8. INDUSTRY

Council:	QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.
Government Offices:	
Schools:	
Hospitals:	
Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes in Contacts:	
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers ADF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS.
Ipswich Event map has been completed and as is available showing the event's impact as ay 13 January 2010.
DDCC activated
LDMG at Stand Up status
Initial Aerial Mapping of Ipswich has been undertaken and is available at nearmap.com.
Evacuation centres have been visited by Federal and State representatives over the last couple of days.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments to be finalised
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.
Commencement of 'Impact Assessment' with key agencies in the region.

'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Specific allocations to areas are: ⇒ Goodna – ADF ⇒ Karalee – ADF ⇒ Booval – ADF ⇒ Council Staff and Contractors have removed 4.5 tonne of rubbish to date.
EHO's are in the field identifying environmental issues as well as assessing inundated businesses.
Vector Control and septic tank programs commencing in the Karalee and Bundamba areas.
750 volunteers on board today.

12. GENERAL OVERVIEW OF THE SITUATION

Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
Strategic Roads have been reopened.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes. QUU have issued water safety advice to residents in Marburg only, to boil water before use.
Ipswich Hospital working with skeleton staff
The Local Disaster Coordination Centre will finish operating at 5pm today and move into the Local Disaster Recovery Centre.
Next LDMG meeting will be 9 am Wednesday, 19 January 2011

13. CONTENTIOUS ISSUES

Re housing those evacuees who are unable to return to their homes. The District Community Recovery Committee will discuss what is to be done in this area at its 5pm meeting this afternoon.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
18 January 2011	11:00 am	15

1. WEATHER

Local observations:	**Forecast for Tuesday** A shower or two and the chance of a thunderstorm during the afternoon and evening. Light winds tending moderate E to NE during the afternoon. Precis: Shower or two, storm Max 34 UV Alert from 7:40 am to 4:10 pm, UV index predicted to reach 15 [Extreme] **Wednesday** Few showers, storm Min 22 Max 30 **Thursday** Showers, storm Min 21 Max 28 **Friday** A shower or two Min 20 Max 28 **Saturday** Mostly fine, early shower Min 19 Max 28 **Sunday** Fine Min 19 Max 28 **Monday** Fine Min 18 Max 30 Bremer River is currently steady at 8 metres 9am, due to impact from continuous flows in Brisbane River from Wivenhoe Dam releases.
Any difference from official weather reports:	The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres. 6:00 am Somerset 100.8% 6:00 am Wivenhoe 123.8% SEQ Water is planning to initiate a closing sequence this afternoon, with final closure Wednesday morning.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Local Roads Closed: - King Edward Parade – may open late Thursday - Marsden Parade, Ipswich – may open late Thursday Roads closed due to Brisbane River levels: ⇒ Kholo Road, (Brisbane River) ⇒ Colleges Crossing ⇒ Mt. Crosby Weir Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas.
Rail:	Ipswich Rail Line is closed, due to Goodna Station repairs and location boxes restorations, buses will continue to run between Rosewood and Darra.
Aviation:	Nil

Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra building, safety category has been down graded to Amber Zone, which allows staff to work. Air condition units have been replaced. There has been no disruption.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 140 Crews currently in the Western region Customers currently affected in Ipswich & Surroundings Areas is approximately 1,900 Priority for Polar Ice Factory at Lobb Street, Churchill to get power.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response group sent out crews to assess areas, will have information available to Council. QFRS have advised 750-1,000 houses had water in livable areas.
Services:	
Environmental:	

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, 17 January 2011
Numbers:	numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's	Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 114 (sleeping) ⇒ Karalee – Day Site only (supplying lunch only) ⇒ Shiloh Church Goodna – Day Site only ⇒ Riverview Neighborhood House (2 sleeping & feeding approximately 400 lunch & 150 dinner) Centre's Closed: ⇒ Boys Grammar School ⇒ Girls Grammar School ⇒ St Joseph's Primary School

	⇒ Ripley Regional Community Church (may become a Food distribution centre depending on power reconnection) ⇒ Redbank Primary School ⇒ Avon Hall Leichhardt We also have a welfare distribution centre at Camira Community Centre which will be closed by Friday this week and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross with a close down planned by Friday 21 January 2011, depending on appropriate housing being sourced. Issue for District Community Recovery Committee Possibility of using Salvation Army Store at Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.
Activated:	Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

8. INDUSTRY

Council:	QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.
Government Offices:	
Schools:	
Hospitals:	
Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes In Contacts:	
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers ADF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
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Ipswich Event map has been completed and as is available showing the event's impact as ay 13 January 2010.
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Initial Aerial Mapping of Ipswich has been undertaken and is available at nearmap.com.
Evacuation centres have been visited by Federal and State representatives over the last couple of days.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

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Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.

Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Specific allocations to areas are: ⇒ Goodna – ADF ⇒ Karalee – ADF ⇒ Booval – ADF ⇒ Council Staff and Contractors have removed 4,500 tonne of rubbish to date.
EHO's are in the field identifying environmental issues as well as assessing inundated businesses.
Vector Control and septic tank programs commencing in the Karalee and Bundamba areas.
750 volunteers on board as at Monday, 17 January 2011.
Tuesday, 18 January 2011 – Briggs Road – 180, Camira – 197

12. GENERAL OVERVIEW OF THE SITUATION
Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
Strategic Roads have been reopened.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes. QUU have issued water safety advice to residents in Marburg only, to boil water before use.
Ipswich Hospital working with skeleton staff
The Local Disaster Coordination Centre will finish operating at 5pm today and move into the Local Disaster Recovery Centre.
Next LDMG meeting will be 9 am Wednesday, 19 January 2011

13. CONTENTIOUS ISSUES
Re housing those evacuees who are unable to return to their homes. The District Community Recovery Committee will discuss what is to be done in this area at its 5pm meeting this afternoon.

14. OVERIEW OF EVENTS

Initial Assessment:

Based upon the projected flood boundary (this will be updated when nearmap information 13th January 2011 is created as a layer), an initial impact assessment of the Ipswich Community, indicates the following impacts;

BOAT RAMPS	8
CARAVAN & TOURIST PARKS	1
CENTRELINK	1
CHILD CARE CENTRES AND KINDERGARTENS	11
CLUBS	19
COMMUNITY CENTRES AND NEIGHBOURHOOD HOUSES	1
COUNCIL DEPOTS	1
ESTATE NAMES	2
FUNERAL DIRECTORS	1
GEOGRAPHIC FEATURES	78
GOLF CLUBS AND COURSES	2
GOLF DRIVING RANGES	2
GUIDES	1

HORSE RIDING	2
HOTELS, MOTELS & ACCOMMODATION	13
INDOOR SPORTS VENUES	1
LAW COURTS	1
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PARKS, OVALS AND RECREATION AREAS	108
PETROL STATIONS - 24 HOUR	2
PLACES OF INTEREST	14
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RACING TRACKS	1
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RETIREMENT VILLAGES	5
SCHOOLS	6
SCOUTS	4
SHOPPING CENTRES	6
SKATE FACILITIES	5
SWIMMING POOLS	4
TAB	3
TENNIS CLUBS AND COURTS	2
TENPIN BOWLING	1
WALKING TRACKS	1
YOUTH CLUBS & CENTRES	1
Grand Total	344

In terms of damage to buildings, the following is the initial overview;

BUILDINGS	7,221
MISCELLANEOUS	114
POOLS	501
SHEDS	4,504

Of the 7,221 buildings identified, the QFRS has identified approx 1,000 houses inundated.

In terms of the Road Network there is 766 roads/streets impacted by the event.

Human/Social:

Community Recovery Centres have been est. at the following locations:

- Ipswich Showgrounds
- Bundamba TAFE
- Karalee State School
- Immaculate Heart Leichhardt
- Wacol Park
- Riverview Neighbourhood Centre
- Shiloh Church Goodna
- Rosewood Community Centre

Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (146 sleeping and feeding)

- Riverview Neighbourhood House (15 sleeping, feeding 300 people)
- Karalee State School (Day centre only for 300 people)

Economic Recovery:
Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1,000 affected by the event. Activities being undertaken include;

- Business recovery centre is open in Council offices at South Street Ipswich
- Daily information sessions highlighting funding options available and professional assistance that is available.
- Undertaking impact assessment of both Urban and Rural businesses.

Infrastructure Recovery:
All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note:

- approx 1,700 Energex customers still affected. 140 crews are currently operating in the Western region, focusing on restoring power to unaffected areas and then tackling affected as soon as facilities dry out.
- Rosewood to Brisbane Rail line is closed due to restoration works to Bundamba Station (inundated) and location boxes. Bus services are currently running between Darra and Rosewood.
- Moggil Ferry is not operating.
- Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 35 pump stations.
- Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.

Environmental Recovery
In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF, SES, council staff, contractors and community volunteers. To date, 4,500 tonnes of debris transferred to landfill sites.

Council is also undertaking the pumping out of the sceptic tanks in various locations, commencing in Karalee and Bundamba.

Vector Control will commence within the next couple of days.

Issues:
- Determining actual number of unhoused persons.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to wing operation of evacuation centres.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House.
- Undertaking impact assessment inspections on identified residential, business and community assets.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	Time	Sitrep No.
18 January 2011	4:30 pm	16

1. WEATHER

Local observations:	Forecast for Tuesday A shower or two and the chance of a thunderstorm during the afternoon and evening. Light winds tending moderate E to NE during the afternoon. Precis: Shower or two, storm Max 34 UV Alert from 7:40 am to 4:10 pm, UV Index predicted to reach 15 [Extreme] **Wednesday** Few showers, storm Min 22 Max 30 **Thursday** Showers, storm Min 21 Max 28 **Friday** A shower or two Min 20 Max 28 **Saturday** Mostly fine, early shower Min 19 Max 28 **Sunday** Fine Min 19 Max 28 **Monday** Fine Min 18 Max 30 Bremer River is currently steady at 8 metres 9am, due to impact from continuous flows in Brisbane River from Wivenhoe Dam releases.
Any difference from official weather reports: -	The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres. 6:00 am Somerset 100.8% 6:00 am Wivenhoe 123.8% SEQ Water is planning to initiate a closing sequence this afternoon, with final closure Wednesday morning.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Local Roads Closed: - King Edward Parade – may open late Thursday – water off road, cleanup/removal of silt happening tonight - Marsden Parade, Ipswich – may open late Thursday – water off road, cleanup/removal of silt happening tonight - One Mile Bridge – Lobb Street had to be re-closed due to large road failure. Roads closed due to Brisbane River levels: ⇒ Kholo Road, (Brisbane River) ⇒ Colleges Crossing ⇒ Mt. Crosby Weir Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas.

Rail:	Ipswich Rail Line is opened (one line only), buses will continue to run between Rosewood and Darra.
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Telstra building, safety category has been down graded to Amber Zone, which allows staff to work. Air condition units have been replaced. There has been no disruption.
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 154 Crews currently in the Western region Customers currently affected in Ipswich & Surroundings Areas is approximately 2,340 Priority for Polar Ice Factory at Lobb Street, Churchill to get power.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings: Services: Environmental:	QFRS Rapid response group sent out crews to assess areas, will have information available to Council. QFRS have advised 750-1,000 houses had water in livable areas.

6. POPULATION

Deceased:	2 known
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, 17 January 2011
Numbers:	numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's	Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 114 (sleeping) ⇒ Karalee – Day Site only (supplying lunch only) ⇒ Shiloh Church Goodna – Day Site only ⇒ Riverview Neighborhood House (2 sleeping & feeding approximately 400 lunch & 150 dinner)

	Centre's Closed: ⇒ Boys Grammar School ⇒ Girls Grammar School ⇒ St Joseph's Primary School ⇒ Ripley Regional Community Church (may become a Food distribution centre depending on power reconnection) ⇒ Redbank Primary School ⇒ Avon Hall Leichhardt We also have a welfare distribution centre at Camira Community Centre which will be closed by Friday this week and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross with a close down planned by Friday 21 January 2011, depending on appropriate housing being sourced. Issue for District Community Recovery Committee are investigating options for their implementation. Possibility of using Salvation Army Store at Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.
Activated:	Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

8. INDUSTRY

Council:	QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery.
Government Offices:	
Schools:	
Hospitals:	
Private Enterprise:	

9. LOCAL ARRANGEMENTS

Changes In Contacts:	
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers ADF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily resupply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS.
Ipswich Event map has been completed and as is available showing the event's impact as ay 13 January 2010.
DDCC activated
DMG at Stand Up status
Initial Aerial Mapping of Ipswich has been undertaken and is available at nearmap.com.
Evacuation centres have been visited by Federal and State representatives over the last couple of days.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments to be finalised

Consolidation of Evacuation centres continuing to occur as people return to unaffected homes.

Commencement of 'Impact Assessment' with key agencies in the region.

'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Specific allocations to areas are:

- ⇒ Goodna – ADF
- ⇒ Karalee – ADF
- ⇒ Booval – ADF
- ⇒ Council Staff and Contractors have removed 4,500 tonne of rubbish to date.

EHO's are in the field identifying environmental issues as well as assessing inundated businesses.

Vector Control and septic tank programs commencing in the Karalee and Bundamba areas.

Monday, 17 January 2011 - 750 volunteers on board

Tuesday, 18 January 2011 – Briggs Road – 180, Camira – 197 – Total 377 Volunteers

12. GENERAL OVERVIEW OF THE SITUATION

Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.

Strategic Roads have been reopened.

QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes. QUU have issued water safety advice to residents in Marburg only, to boil water before use.

Ipswich Hospital working with skeleton staff

The Local Disaster Coordination Centre ceased operating at 5pm Monday, 17 January 2011 and moved into the Local Disaster Recovery Centre.

Next LDMG meeting will be 9 am Wednesday, 19 January 2011

13. CONTENTIOUS ISSUES

Re housing those evacuees who are unable to return to their homes. The District Community Recovery Committee are investigating options for their implementation.

14. OVERIEW OF EVENTS

Initial Assessment:

Based upon the projected flood boundary (this will be updated when nearmap information 13th January 2011 is created as a layer), an initial impact assessment of the Ipswich Community, indicates the following impacts;

BOAT RAMPS	8
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CLUBS	19
COMMUNITY CENTRES AND NEIGHBOURHOOD HOUSES	1

COUNCIL DEPOTS	1
ESTATE NAMES	2
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Grand Total	344

In terms of damage to buildings, the following is the initial overview;

BUILDINGS	7,221
MISCELLANEOUS	114
POOLS	501
SHEDS	4,504

Of the 7,221 buildings identified, the QFRS has identified approx 1,000 houses inundated.

In terms of the Road Network there is 766 roads/streets impacted by the event.

Human/Social:

Community Recovery Centres have been est. at the following locations:

- Ipswich Showgrounds
- Bundamba TAFE
- Karalee State School
- Immaculate Heart Leichhardt
- Wacol Park

- Riverview Neighbourhood Centre
- Shiloh Church Goodna
- Rosewood Community Centre

Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (114 sleeping and feeding)
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Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1,000 affected by the event. Activities being undertaken include;

- Business recovery centre is open in Council offices at South Street Ipswich
- Daily information sessions highlighting funding options available and professional assistance that is available.
  Undertaking impact assessment of both Urban and Rural businesses.

Infrastructure Recovery:
All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note:

- approx 1,700 Energex customers still affected. 140 crews are currently operating in the Western region, focusing on restoring power to unaffected areas and then tackling affected as soon as facilities dry out.
- Rosewood to Brisbane Rail line is closed due to restoration works to Bundamba Station (Inundated) and location boxes. Bus services are currently running between Darra and Rosewood.
- Moggil Ferry is not operating.
- Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 35 pump stations.
- Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.

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In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with th assistance from the ADF, SES, council staff, contractors and community volunteers. To date, 4,500 tonnes of debris transferred to landfill sites.

Council is also undertaking the pumping out of the sceptic tanks in various locations, commencing in Karalee and Bundamba.

Vector Control will commence within the next couple of days.

Issues:
- Determining actual number of unhoused persons.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to wing operation of evacuation centres.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House.
- Undertaking impact assessment inspections on identified residential, business and community assets.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
19 January 2011	10:30am	17

1. WEATHER

Local observations:	**Forecast for Wednesday** A few showers and a thunderstorm or two, particularly during the afternoon and evening. Moderate falls with thunderstorms. Light to moderate mostly SE to NE winds. Max 30 ⇒ Thursday Showers, storm Min 21 Max 28 ⇒ Friday A few showers Min 20 Max 28 ⇒ Saturday Mostly fine, possible shower Min 19 Max 28 ⇒ Sunday Mostly fine, possible shower Min 18 Max 28 ⇒ Monday Fine Min 18 Max 29 Tuesday Fine Min 18 Max 30 Bremer River has fallen to a level of 3.3m at 6:30am, due to the shut down of the Wivenhoe Releases which commenced yesterday. All gates will be closed by 4:00pm this afternoon and fish recovery will commence. Releases will continue through the regulator cone valve and possibly the Mini-Hydro (depending on when it can be re-started) to account for ongoing base-flow once all radial gates are closed.
Any difference from official weather reports:	Severe thunderstorms passed over the Wivenhoe, Somerset and North Pine dam catchments yesterday afternoon and evening. Falls of 20mm to 30mm where recorded at isolated locations. Damaged occurred in the Camira area.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Local Roads Closed: - King Edward Parade – may open late Thursday – water off road, cleanup/removal of silt happening tonight - Marsden Parade, Ipswich – may open late Thursday – water off road, cleanup/removal of silt happening tonight - One Mile Bridge – Lobb Street had to be re-closed due to large road failure. - Hiddenvale Road, Calvert – Scour under bridge abutment. - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) Roads Closed due to Brisbane River Levels: - Kholo Road (Brisbane River) - Colleges Crossing - Mt Crosby Weir A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on how the radial gate close down sequence progresses during the day: ⇒ Water is clear of Fernvale Bridge and Mt Crosby Weir Bridge. ⇒ Water should be clear of Burtons Bridge, Kholo Bridge and Savages Crossing tonight. ⇒ Water should be clear of Colleges Crossing tomorrow. ⇒ It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later today.

	Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas.
Rail:	Qld Rail advise that the Rosewood to Brisbane line is now open
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 154 Crews currently in the Western region. Energex are now doing fatigue management with crews. Customers currently affected in Ipswich & Surroundings Areas is approximately 1,400. Energex are hoping to have power back to those homes which can be reconnected by Thursday. Energex Power Restoration Flyer
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in livable areas.
Services:	
Environmental:	

6. POPULATION

Deceased:	2 known (Ipswich Local Government Area only)
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, 17 January 2011
Numbers:	numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's	Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 114 (sleeping) ⇒ Karalee – Day Site only (supplying lunch only) ⇒ Shiloh Church Goodna – Day Site only ⇒ Riverview Neighborhood House (2 sleeping & feeding approximately 400 lunch & 150 dinner) Centre's Closed: ⇒ Boys Grammar School

	⇒ Girls Grammar School ⇒ St Joseph's Primary School ⇒ Ripley Regional Community Church (may become a Food distribution centre depending on power reconnection) ⇒ Redbank Primary School ⇒ Avon Hall Leichhardt We also have a welfare distribution centre at Camira Community Centre which will be closed by Friday this week and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross with a close down planned by Friday, 21 January 2011, depending on appropriate housing being sourced. Issue for District Community Recovery Committee are investigating options for their implementation. Possibility of using Salvation Army Store at Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.
Activated:	Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

8. INDUSTRY

Council: Government Offices: Schools: Hospitals: Private Enterprise:	QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Council's Office of Economic Development staff have been out to approximately 400 Business. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going.

9. LOCAL ARRANGEMENTS

Changes in Contacts:	Nil
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers ADF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily re-supply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS.
Ipswich Event map has been completed and as is available showing the event's impact as ay 13 January 2010.
DDCC activated
LDMG at Stand Up status
Initial Aerial Mapping of Ipswich has been undertaken and is available at nearmap.com.
Evacuation centres have been visited by Federal and State representatives over the last couple of days.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments to be finalised
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees.
Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 10,000 Tonnes have been disposed of.

12. GENERAL OVERVIEW OF THE SITUATION

Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.

QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes. QUU have issued water safety advice to residents in Marburg only, to boil water before use.

Next LDMG meeting will be Friday, 21 January 2011

13. CONTENTIOUS ISSUES

- Determining actual number of unhoused persons, as there is a large section of the community residing with friends and family.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to wing operation of evacuation centres.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House.
- Undertaking impact assessment inspections on identified residential, business and community assets.

14. OVERIEW OF EVENTS

Initial Assessment:

Based upon the projected flood boundary (this will be updated when nearmap information 13 January 2011 is created as a layer), an initial impact assessment of the Ipswich Community, indicates the following impacts;

BOAT RAMPS	8
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CENTRELINK	1
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CLUBS	19
COMMUNITY CENTRES AND NEIGHBOURHOOD HOUSES	1
COUNCIL DEPOTS	1
ESTATE NAMES	2
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TENPIN BOWLING	1
WALKING TRACKS	1
YOUTH CLUBS & CENTRES	1
Grand Total	344

In terms of damage to buildings, the following is the initial overview;

BUILDINGS	7,221
MISCELLANEOUS	114
POOLS	501
SHEDS	4,504

Of the 7,221 buildings identified, the QFRS has identified approx 750 - 1,000 houses inundated. Western Region still to be assessed.

In terms of the Road Network there is 766 roads/streets impacted by the event.

Human/Social:
Community Recovery Centres have been est. at the following locations:

Ipswich Showgrounds (#)
Bundamba TAFE
- Karalee State School
- Immaculate Heart Leichhardt
- Wacol Park (#) – Closing down and relocating to Shiloh
- Riverview Neighbourhood Centre
- Shiloh Church Goodna
- Rosewood Community Centre (#)

(#) Main centres

Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (114 sleeping and feeding)
- Riverview Neighbourhood House (2 sleeping, feeding 300 people)
- Karalee State School (Day centre only for 300 people)

Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions.

Economic Recovery:
Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Appro 1000 affected by the event. Activities being undertaken include;

- Business recovery centre is open in Council offices at South Street Ipswich
- Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development.
- Undertaking impact assessment of both Urban and Rural businesses.
- TRADE SHORTAGES - Working with B105 in Brisbane & Triple M in Sydney, as they have volunteer tradespeople in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here.
- Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment.
- Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts

Infrastructure Recovery:
All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note:

- approx 1,400 Energex customers still affected. 140 crews are currently operating in the Western region, focusing on restoring power to unaffected areas and then tackling affected as soon as facilities dry out. Energex are now in fatigue management.
- Rosewood to Brisbane Rail line has been reopened with one line as of yesterday afternoon.
- Moggil Ferry is not operating (issue is that the winch is till under water).
- Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 29 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage.
- Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.

Environmental Recovery

In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 10,000 tonnes of debris transferred to landfill sites, from the following areas of operation;

⇒ Goodna 70% completed
⇒ Karalee 35%
⇒ North Booval 35%
⇒ East Ipswich / Basin Pocket 35%
⇒ One Mile / Brassall 85%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 75%

It is estimated that 90% of the debris removal will be completed by the weekend.

Council is also undertaking the pumping out of the sceptic tanks in various locations, commencing in Karalee and Bundamba.

Vector Control will commence within the next couple of days.

Ipswich City Situation Report (SITREP)

Event: **January 2011**

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
19 January 2011	**4:00pm**	**18**

1. WEATHER

Local observations:	**Forecast for Wednesday** A few showers and a thunderstorm or two, particularly during the afternoon and evening. Moderate falls with thunderstorms. Light to moderate mostly SE to NE winds. Max 30 ⇒ Thursday Showers, storm Min 21 Max 28 ⇒ Friday A few showers Min 20 Max 28 ⇒ Saturday Mostly fine, possible shower Min 19 Max 28 ⇒ Sunday Mostly fine, possible shower Min 18 Max 28 ⇒ Monday Fine Min 18 Max 29 Tuesday Fine Min 18 Max 30 Bremer River has fallen to a level of 3.3m at 6:30am, due to the shut down of the Wivenhoe Releases which commenced yesterday. All gates will be closed by 4:00pm this afternoon and fish recovery will commence. Releases will continue through the regulator cone valve and possibly the Mini-Hydro (depending on when it can be re-started) to account for ongoing base-flow once all radial gates are closed.
Any difference from official weather reports:	Severe thunderstorms passed over the Wivenhoe, Somerset and North Pine dam catchments yesterday afternoon and evening. Falls of 20mm to 30mm where recorded at isolated locations. Damaged occurred in the Camira area.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Local Roads Closed: - King Edward Parade – may open late Thursday – water off road, cleanup/removal of silt happening tonight - Marsden Parade, Ipswich – may open late Thursday – water off road, cleanup/removal of silt happening tonight - Old One Mile Bridge – Lobb Street had to be re-closed due to large road failure. - Hiddenvale Road, Calvert – Scour under bridge abutment. - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) Roads Closed due to Brisbane River Levels: - Kholo Road (Brisbane River) - Colleges Crossing - Mt Crosby Weir A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on how the radial gate close down sequence progresses during the day: ⇒ Water is clear of Fernvale Bridge and Mt Crosby Weir Bridge. ⇒ Water should be clear of Burtons Bridge, Kholo Bridge and Savages Crossing tonight. ⇒ Water should be clear of Colleges Crossing tomorrow. ⇒ It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later today.

	Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas.
Rail:	Qld Rail advise that the Rosewood to Brisbane line is now open
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 154 Crews currently in the Western region. Energex are now doing fatigue management with crews. Customers currently affected in Ipswich & Surroundings Areas is approximately 1,400. Energex are hoping to have power back to those homes which can be reconnected by Thursday.  Energex Power Restoration Flyer Energex representative will be attending the Karalee Community meeting being held at 6.00 pm tonight, at the Karalee State School. Energex has approved work practices in relation to replacing meters with asbestos boards.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in livable areas.
Services:	
Environmental:	

6. POPULATION

Deceased:	2 known (Ipswich Local Government Area only)
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, 17 January 2011
Numbers:	numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's	Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 96 (sleeping) ⇒ Karalee – Day Site only (supplying lunch only) ⇒ Shiloh Church Goodna – Day Site only ⇒ Riverview Neighborhood House (16 sleeping & feeding approximately 400 lunch & 150

	dinner) Centre's Closed: ⇒ Boys Grammar School ⇒ Girls Grammar School ⇒ St Joseph's Primary School ⇒ Ripley Regional Community Church (may become a Food distribution centre depending on power reconnection) ⇒ Redbank Primary School ⇒ Avon Hall Leichhardt We also have a welfare distribution centre at Camira Community Centre which will be closed by Friday this week and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross with a close down planned by Friday, 21 January 2011, depending on appropriate housing being sourced. Issue for District Community Recovery Committee are investigating options for their implementation. Possibility of using Salvation Army Store at Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.
Activated:	Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

8. INDUSTRY

Council: Government Offices: Schools: Hospitals: Private Enterprise:	QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Council's Office of Economic Development staff have been out to approximately 400 Business. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going.

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers ADF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily re-supply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS.
Ipswich Event map has been completed and as is available showing the event's impact as ay 13 January 2010.
DDCC activated
LDMG at Stand Up status
Initial Aerial Mapping of Ipswich has been undertaken and is available at nearmap.com.
Evacuation centres have been visited by Federal and State representatives over the last couple of days.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

FRS Rapid Assessment and Fly over assessments have been finalised
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees.

Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 10,000 Tonnes have been disposed of.

12. GENERAL OVERVIEW OF THE SITUATION

Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes. QUU have issued water safety advice to residents in Marburg only, to boil water before use.
Next LDMG meeting will be Friday, 21 January 2011

13. CONTENTIOUS ISSUES

- Determining actual number of unhoused persons, as there is a large section of the community residing with friends and family.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to wing operation of evacuation centres.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House.
- Undertaking impact assessment inspections on identified residential, business and community assets.
- Public meeting arranged for tonight at Karalee State School to update locals.

14. OVERIEW OF EVENTS

Initial Assessment:

Based upon the projected flood boundary (this will be updated when nearmap information 13 January 2011 is created as a layer), an initial impact assessment of the Ipswich Community, indicates the following impacts;

BOAT RAMPS	8
CARAVAN & TOURIST PARKS	1
CENTRELINK	1
CHILD CARE CENTRES AND KINDERGARTENS	11
CLUBS	19
COMMUNITY CENTRES AND NEIGHBOURHOOD HOUSES	1
COUNCIL DEPOTS	1
ESTATE NAMES	2
FUNERAL DIRECTORS	1
GEOGRAPHIC FEATURES	78
GOLF CLUBS AND COURSES	2
GOLF DRIVING RANGES	2
GUIDES	1
HORSE RIDING	2
HOTELS, MOTELS & ACCOMMODATION	13
INDOOR SPORTS VENUES	1
LAW COURTS	1
LOCALITIES	9
PARKS, OVALS AND RECREATION AREAS	108
PETROL STATIONS - 24 HOUR	2
PLACES OF INTEREST	14
PLACES OF WORSHIP	10
POST OFFICES	2
PUBLIC TRANSPORT	1
RACING TRACKS	1
RACQ OFFICES	1
RECEPTION AND CONFERENCE CENTRES	2
RESTAURANTS & NIGHTSPOTS	11
RETIREMENT VILLAGES	5
SCHOOLS	6
SCOUTS	4

SHOPPING CENTRES	6
SKATE FACILITIES	5
SWIMMING POOLS	4
TAB	3
TENNIS CLUBS AND COURTS	2
TENPIN BOWLING	1
WALKING TRACKS	1
YOUTH CLUBS & CENTRES	1
Grand Total	344

In terms of damage to buildings, the following is the initial overview;

BUILDINGS	7,221
MISCELLANEOUS	114
POOLS	501
SHEDS	4,504

Of the 7,221 buildings identified, the QFRS has identified approx 750 - 1,000 houses inundated. Western Region still to be assessed.

terms of the Road Network there is 766 roads/streets impacted by the event.

Human/Social:
Community Recovery Centres have been est. at the following locations:

- Ipswich Showgrounds (#)
- Bundamba TAFE
- Karalee State School
- Immaculate Heart Leichhardt
- Wacol Park (#) – Closing down and relocating to Shiloh
- Riverview Neighbourhood Centre
- Shiloh Church Goodna
- Rosewood Community Centre (#)

(#) Main centres

Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (96 sleeping and feeding)
- Riverview Neighbourhood House (14 sleeping, feeding 300 people)
- Karalee State School (Day centre only for 300 people)

Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions.

Economic Recovery:
Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Appro 1000 affected by the event. Activities being undertaken include;

- Business recovery centre is open in Council offices at South Street Ipswich
- Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development.
- Undertaking impact assessment of both Urban and Rural businesses.
- TRADE SHORTAGES - Working with B10S in Brisbane & Triple M in Sydney, as they have volunteer tradespeople in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here.
- Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment.
- Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts

Infrastructure Recovery:
All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note:

- approx 1,400 Energex customers still affected. 140 crews are currently operating in the Western region, focusing on restoring power to unaffected areas and then tackling affected as soon as facilities dry out. Energex are now in fatigue management.
- Rosewood to Brisbane Rail line has been reopened with one line as of yesterday afternoon.
- Moggil Ferry is not operating (issue is that the winch is till under water).
- Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 29 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage.
- Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.

Environmental Recovery
In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 10,000 tonnes of debris transferred to landfill sites, from the following areas of operation;

⇒ Goodna 70% completed
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⇒ One Mile / Brassall 85%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 75%

It is estimated that 90% of the debris removal will be completed by the weekend.

Council is also undertaking the pumping out of the sceptic tanks in various locations, commencing in Karalee and Bundamba.

Vector Control will commence within the next couple of days.

Impact Assessment Summary – Responses Received.



Impact Assessment Summary (Combined

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
20 January 2011	7:00am	19

1. WEATHER

Local observations:	**Forecast for Thursday** A few showers and a thunderstorm or two mainly during the afternoon. Moderate falls possible with thunderstorms. Max 29 Friday A shower or two Min 20 Max 28 Saturday Mostly fine, possible shower Min 19 Max 28 Sunday Mostly fine, possible shower Min 18 Max 28 Monday Mostly fine, possible shower Min 18 Max 29 Tuesday Fine Min 18 Max 30 Wednesday Fine Min 19 Max 31 Bremer River has fallen to a level of 1.5m at 6:30am. All gates will be closed by 4:00pm yesterday and fish recovery has commenced.
Any difference from official weather reports:	Yesterday evening 19 January 2011, at approximately 6:45 pm Ipswich was impacted by a quite severe storm with intense rain periods. We received approximately 30 - 55mm of rain during this storm with intensities exceeding 80mm per hour at Tallegalla and similar at Rosewood Detention Basin. Tallegalla received approximately 23mm in 15 minutes for two consecutive 15 minute periods. The two detention basins were inspected following this occurrence in accordance with standard operating procedures. These falls have led to rises in both Marburg and Rosewood Detention basins and significant rises in the western streams, with only Grandchester reaching above Minor flood level. Several bridges have been closed as a result of these rises, most streams are slowing to peak or falling. No significant impact is expected at Ipswich or downstream. Heavy rainfall received in the Lockyer Ck catchment will see increased flows in the Brisbane river, which are expected to keep colleges crossing closed for a further 24-36 hours, depending of course on impact of predicted storms tonight.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Local Roads Closed: - King Edward Parade – water off road, cleanup/removal of silt is completed, still closed due to road pavement damage. - Marsden Parade, Ipswich – water off road, cleanup/removal of silt is completed, still closed due to road pavement damage. - Old One Mile Bridge – Lobb Street had to be re-closed due to large road failure. - Hiddenvale Road, Calvert – Scour under bridge abutment. - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) - Rosewood – Warrill View Rd closed at Spressers and Rosewood WWPT - 7 Mile Bridge – Ipswich Rosewood Rd

	- 5 mile Bridge - Haigslea - Amberley Rd - Woolshed Creek Rd – temporary repairs today planned to be opened today - Ipswich St Grandchester - temporary repairs today planned to be opened today - Rosewood Laidley Rd west of Grandchester – Temporary repairs completed drive with care. - Coramandel Rd Iron Bark - temporary repairs today planned to be opened today Roads Closed due to Brisbane River Levels: - Kholo Road (Brisbane River) - Colleges Crossing (undergoing structural assessment, and expected to go under again) - Mt Crosby Weir (under going structural assessment) Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas.
Rail:	Qld Rail advise that the Rosewood to Brisbane line is now open
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 154 Crews currently in the Western region. Energex are now doing fatigue management with crews. Customers currently affected in Ipswich & Surroundings Areas is approximately 1,400. Energex are hoping to have power back to those homes which can be reconnected by Thursday.  Energex Power Restoration Flyer Energex has approved work practices in relation to replacing meters with asbestos boards.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in livable areas.
Services:	
Environmental:	

6. POPULATION

Deceased:	2 known (Ipswich Local Government Area only)
Injured:	Nil
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Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, QFRS have advised 750-1,000 houses had water in livable areas.
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Origin:	City Wide
Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
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Activated:	Yes
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

8. INDUSTRY

ɔuncil: Government Offices: Schools: Hospitals: Private Enterprise:	QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Council's Office of Economic Development staff have been out to approximately 400 Business. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going.

9. LOCAL ARRANGEMENTS

Changes In Contacts:	Nil
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers ADF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

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LDMG at Stand Up status
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Evacuation centres have been visited by Federal and State representatives over the last couple of days.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments have been finalised
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees.
Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 12500 Tonnes have been disposed of.

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Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.
QUU monitoring their assets – no issues at the moment with water supply – visual inspections of assets once water recedes. QUU have issued water safety advice to residents in Marburg only, to boil water before use.
Next LDMG meeting will be Friday, 21 January 2011

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- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to wing operation of evacuation centres.
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ESTATE NAMES	2
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GOLF CLUBS AND COURSES	2
GOLF DRIVING RANGES	2
GUIDES	1
HORSE RIDING	2
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RACING TRACKS	1
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Grand Total	344

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SHEDS	4,504

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In terms of the Road Network there is 766 roads/streets impacted by the event.

Human/Social:
Community Recovery Centres have been est. at the following locations:

- Ipswich Showgrounds (#)
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- Karalee State School
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- Wacol Park (#) – Closing down and relocating to Shiloh
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- Shiloh Church Goodna
- Rosewood Community Centre (#)

(#) Main centres

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- Karalee State School (Day centre only for 300 people)

Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions.

Department of Communities have had:
- 3,602 application for Hardship – Totalling approximately $1.383 million.
- 564 applications for Household grants
- 215 application for Structural Assistance

Economic Recovery:
Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Appro 1000 affected by the event. Activities being undertaken include;

- Business recovery centre is open in Council offices at South Street Ipswich
- Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development.
- Undertaking impact assessment of both Urban and Rural businesses.
- TRADE SHORTAGES - Working with B105 in Brisbane & Triple M in Sydney, as they have volunteer tradespeople in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here.
- Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment.
- Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts

Infrastructure Recovery:
All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note:

- approx 498 Energex customers still affected, ie not able to reconnect until electrical certification. Energex have pulled fuses on inundated houses and waiting on electrical certification to reconnect. The main effort now is in reconnection once Form 2's a[illegible] completed by electrician.
- Rosewood to Brisbane Rail line has been reopened with one line as of yesterday afternoon.
- Moggil Ferry is not operating (issue is that the winch is till under water).
- Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 29 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage.
- Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.


Impact Assessment Summary (Combined

Environmental Recovery
In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 12500 tonnes of debris transferred to landfill sites, from the following areas of operation;

⇒ Goodna 80% completed
⇒ Karalee 45%
⇒ North Booval 45%
⇒ East Ipswich / Basin Pocket 45%
⇒ One Mile / Brassall 90%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 85%

It is estimated that 90% of the debris removal will be completed by the weekend.

Council is also undertaking the pumping out of the sceptic tanks in various locations, commencing in Karalee and Bundamba.

Vector Control will commence within the next couple of days.

ENERGEX Power Restoration Update

energex
positive energy

Important information about your electricity restoration



Loss of supply: 13 62 62

Emergency: 13 19 62

Website: energex.com.au

Follow us on twitter.com/energex

Last week's floods resulted in the loss of electricity supply to more than 260,000 South East Queensland homes and businesses.

Since Monday ENERGEX crews have been working around the clock to restore power.

In the worst affected areas the electricity network will need to be repaired or even rebuilt. This is a resource intensive process which will take time.

Please call 13 62 62:

- if your home was not affected by flood water, but you are still without power
- for power restoration updates.

Power restoration update

We are aiming to have power to those homes that can be safely re-connected by Thursday afternoon.

In some areas where the electricity network has been badly damaged the restoration of power could take longer – in some cases it may be weeks.

We apologise to customers who are experiencing extended periods without power and thank you for your understanding and patience. Every effort is being made to get power back on in South East Queensland as soon as possible.

Important information about your electricity restoration

For outage information please visit energex.com.au/myarea

ENERGEX re-connection process

Properties that were not affected by flood waters

If your home was not affected by flood waters you do not need to do anything. ENERGEX crews will restore power to your property as soon as possible. Many premises that were not directly affected by flood waters have lost power because part of the electricity network that supplies that property was damaged.

Properties that were affected by flood waters

Two separate inspections must occur on a flood affected property before re-energisation. These inspections can occur in any order.

1. ENERGEX conducts the inspection of the network source attachment point (where ENERGEX's mains connect to your property), meter box and meters to the property. If a safety risk is identified (including signs of water inundation) or the property owner is not on site, ENERGEX will place a form in the meter box. The property owner will need to arrange an electrician to inspect the property.
2. A licensed electrician inspects and tests household wiring.

Residents have the option of organising their own licensed electrician to inspect the property, either before or after ENERGEX has conducted the initial electrical safety assessment. Electricians can be found in the Yellow Pages, local newspaper classifieds or by contacting the Master Electricians Association on 1300 889 198.

If the property is electrically safe, the electrician will leave a form in the meter box and will contact ENERGEX. An ENERGEX crew will reconnect power to the property as soon as practicable.

If the property is not electrically safe, the property owner will be required to arrange for repairs to be made before ENERGEX can reconnect it back to the grid.



NOTE: The Master Electricians have set a recommended price of $200 to provide the mandatory basic safety inspection service. Property owners have the option of seeking reimbursement through property insurance and disaster relief payments or meeting the full cost.

energex

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
20 January 2011	4.00pm	20

1. WEATHER

Local observations:	**Forecast for Thursday** A few showers and a thunderstorm or two mainly during the afternoon. Moderate falls possible with thunderstorms. Max 29 Friday A shower or two Min 20 Max 28 Saturday Mostly fine, possible shower Min 19 Max 28 Sunday Mostly fine, possible shower Min 18 Max 28 Monday Mostly fine, possible shower Min 18 Max 29 Tuesday Fine Min 18 Max 30 Wednesday Fine Min 19 Max 31 Bremer River has fallen to a level of 1.5m at 6:30am. All gates will be closed by 4:00pm yesterday and fish recovery has commenced.
Any difference from official weather reports:	Yesterday evening 19 January 2011, at approximately 6:45 pm Ipswich was impacted by a quite severe storm with intense rain periods. We received approximately 30 - 55mm of rain during this storm with intensities exceeding 80mm per hour at Tallegalla and similar at Rosewood Detention Basin. Tallegalla received approximately 23mm in 15 minutes for two consecutive 15 minute periods. The two detention basins were inspected following this occurrence in accordance with standard operating procedures. These falls have led to rises in both Marburg and Rosewood Detention basins and significant rises in the western streams, with only Grandchester reaching above Minor flood level. Several bridges have been closed as a result of these rises, most streams are slowing to peak or falling. No significant impact is expected at Ipswich or downstream. Heavy rainfall received in the Lockyer Ck catchment will see increased flows in the Brisbane river, which are expected to keep colleges crossing closed for a further 24-36 hours, depending of course on impact of predicted storms tonight.

2. TRANSPORT

(If roads, airstrips etc closed, include estimated time of opening)

Road:	Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. Local Roads Closed: - King Edward Parade – water off road, cleanup/removal of silt is completed, still closed due to road pavement damage. - Marsden Parade, Ipswich – water off road, cleanup/removal of silt is completed, still closed due to road pavement damage. - Old One Mile Bridge – Lobb Street had to be re-closed due to large road failure. - Hiddenvale Road, Calvert – Scour under bridge abutment. - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) - 5 mile Bridge - Haigslea - Amberley Rd - Woolshed Creek Rd – temporary repairs today planned to be opened today

	- Ipswich St Grandchester - temporary repairs today planned to be opened today - Coramandel Rd Iron Bark - temporary repairs today planned to be opened today Roads Closed due to Brisbane River Levels: - Kholo Road (Brisbane River) Water receded, however closed due to road pavement damage on approaches to bridge - Colleges Crossing (Brisbane River) - Mt Crosby Weir (under going structural assessment) Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas.
Rail:	Qld Rail advise that the Rosewood to Brisbane line is now open
Aviation:	Nil
Marine:	Moggill Ferry is out
Other:	Nil

3. COMMUNICATIONS

(If communications out, include estimated time of reconnection)

Telephone Network: Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil

4. POWER

(If power out, include estimated time of reconnection)

Mains:	Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 154 Crews currently in the Western region. Energex are now doing fatigue management with crews. Customers currently affected in Ipswich & Surroundings Areas is approximately 1,400. Energex are hoping to have power back to those homes which can be reconnected by Thursday. Energex Power Restoration Flyer Energex has approved work practices in relation to replacing meters with asbestos boards.
Auxiliary:	Nil

5. DAMAGE REPORTS

Buildings:	QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in livable areas.
Services:	
Environmental:	

6. POPULATION

Deceased:	2 known (Ipswich Local Government Area only)
Injured:	Nil
Missing:	Nil
Homeless:	Nil

7. EVACUATIONS

Property under Threat:	Accurate information will be provided by COB Monday, QFRS have advised 750-1,000 houses had water in livable areas.
Numbers:	numbers are reducing as power is returned to unaffected areas.
Origin:	City Wide

Destinations:	Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds
Evacuation Centre's Activated:	Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 84 (sleeping) ⇒ Karalee – Day Site only (supplying lunch only) ⇒ Shiloh Church Goodna – Day Site only ⇒ Riverview Neighborhood House (16 sleeping & feeding approximately 400 lunch & 150 dinner) Centre's Closed: ⇒ Boys Grammar School ⇒ Girls Grammar School ⇒ St Joseph's Primary School ⇒ Ripley Regional Community Church ⇒ Redbank Primary School ⇒ Avon Hall Leichhardt We also have a welfare distribution centre at Camira Community Centre which will be closed by Friday this week and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross and discussions are continuing to determine the close down date. This was planned for the Friday, 21 January 2011, however this has been extended. The District Community Recovery Committee are investigating options for their implementation. Possibility of using Salvation Army Store at 12 Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.
Transport Logistics:	Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

8. INDUSTRY

Council: Government Offices: Schools: Hospitals: Private Enterprise:	QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Council's Office of Economic Development staff have been out to approximately 400 Business. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going.

9. LOCAL ARRANGEMENTS

Changes in Contacts:	Nil
Problems Encountered:	
Staff/Resources Deployment:	Council Officers, Red Cross and Volunteers ADF resources are available.

10. ONGOING ACTIVITIES

(Include brief details of current operations; politician visits, etc)

Monitoring of Evacuation Centre's and daily re-supply of required resources continuing as well as handling/ identifying issues with evacuation centre's.
Rapid Assessment being undertaken by QFRS.
Ipswich Event map has been completed and as is available showing the event's impact as ay 13 January 2010.
DDCC activated
LDMG at Stand Up status
Initial Aerial Mapping of Ipswich has been undertaken and is available at nearmap.com.
Evacuation centres have been visited by Federal and State representatives over the last couple of days.

11. PROJECTED OPERATIONS

(Major problems next 24, 48 hours. Anticipated resource requirements, including food re-supply.)

QFRS Rapid Assessment and Fly over assessments have been finalized

Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees.

Commencement of 'Impact Assessment' with key agencies in the region.

'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 12500 Tonnes have been disposed of.

12. GENERAL OVERVIEW OF THE SITUATION

Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes.

QUU monitoring their assets – no issues at the moment with water supply except for Marburg where QUU have issued water safety advice to residents to boil water before use as a precaution.

QUU SitRep#6

Next LDMG meeting will be Friday, 21 January 2011

13. CONTENTIOUS ISSUES

- Determining actual number of unhoused persons, as there is a large section of the community residing with friends and family.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to wing operation of evacuation centres.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House.
- Undertaking impact assessment inspections on identified residential, business and community assets.

14. OVERIEW OF EVENTS

Initial Assessment:

Based upon the projected flood boundary (this will be updated when nearmap information 13 January 2011 is created as a layer), an initial impact assessment of the Ipswich Community, indicates the following impacts;

BOAT RAMPS	8
CARAVAN & TOURIST PARKS	1
CENTRELINK	1
CHILD CARE CENTRES AND KINDERGARTENS	11
CLUBS	19
COMMUNITY CENTRES AND NEIGHBOURHOOD HOUSES	1
COUNCIL DEPOTS	1
ESTATE NAMES	2
FUNERAL DIRECTORS	1
GEOGRAPHIC FEATURES	78
GOLF CLUBS AND COURSES	2
GOLF DRIVING RANGES	2
GUIDES	1
HORSE RIDING	2
HOTELS, MOTELS & ACCOMMODATION	13
INDOOR SPORTS VENUES	1
LAW COURTS	1
LOCALITIES	9
PARKS, OVALS AND RECREATION AREAS	108
PETROL STATIONS - 24 HOUR	2
PLACES OF INTEREST	14
PLACES OF WORSHIP	10

POST OFFICES	2
PUBLIC TRANSPORT	1
RACING TRACKS	1
RACQ OFFICES	1
RECEPTION AND CONFERENCE CENTRES	2
RESTAURANTS & NIGHTSPOTS	11
RETIREMENT VILLAGES	5
SCHOOLS	6
SCOUTS	4
SHOPPING CENTRES	6
SKATE FACILITIES	5
SWIMMING POOLS	4
TAB	3
TENNIS CLUBS AND COURTS	2
TENPIN BOWLING	1
WALKING TRACKS	1
YOUTH CLUBS & CENTRES	1
Grand Total	344

In terms of damage to buildings, the following is the initial overview;

BUILDINGS	7,221
MISCELLANEOUS	114
POOLS	501
SHEDS	4,504

Of the 7,221 buildings identified, the QFRS has identified approx 750 - 1,000 houses inundated. Western Region still to be assessed.

In terms of the Road Network there is 766 roads/streets impacted by the event.

Human/Social:
Community Recovery Centres have been est. at the following locations:

- Ipswich Showgrounds (#)
- Bundamba TAFE
- Karalee State School
- Immaculate Heart Leichhardt
- Wacol Park (#) – Closing down and relocating to Shiloh
- Riverview Neighbourhood Centre
- Shiloh Church Goodna
- Rosewood Community Centre (#)

(#) Main centres

Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (84leeping and feeding)
- Riverview Neighbourhood House (16 sleeping, feeding 300 people)
- Karalee State School (Day centre only for 300 people)

Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions.

Department of Communities have had as at 12.00pm 19 Jan 2011

- 4,290 application for Hardship – Totalling approximately $1.75 million.
- 564 applications for Household grants
- 215 application for Structural Assistance

Community Recovery Centres are operating at the following locations:

- Ipswich Showgrounds
- Bremer Institute of TAFE
- The Park Centre for Mental Health Wacol (relocating to Max Employment Office Queen Street Goodna from Friday 21 January)

Community Recovery Centre outposts located at the following locations:

- Karalee State School
- Immaculate Heart Catholic Primary School Leichhardt (relocating to Ipswich Showgrounds from Friday 21 January)
- Riverview Neighbourhood House (relocating to Max Employment Office Queen Street Goodna from Friday 21 January)
- Rosewood Community Centre
- Gailes Community Hall
- Shiloh Christian Church (relocating to Max Employment Office Queen Street Goodna from Friday 21 January)
- Goodna War Memorial (relocating to Max Employment Office Queen Street Goodna from Friday 21 January)

The Community Recovery Centres are the official advertised centres and the outposts are smaller centres that will relocate services to the larger ones when the need decreases or when the facility needs their space/rooms back.

Economic Recovery:
Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Appro 1000 affected by the event. Activities being undertaken include;

- Business recovery centre is open in Council offices at South Street Ipswich
- Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development.
- Undertaking impact assessment of both Urban and Rural businesses.
- TRADE SHORTAGES - Working with B10S in Brisbane & Triple M in Sydney, as they have volunteer tradespeople in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here.
- Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment.
- Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts

Infrastructure Recovery:
All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note:

- approx 420 Energex customers still affected, ie not able to reconnect until electrical certification. Energex have pulled fuses on inundated houses and waiting on electrical certification to reconnect. The main effort now is in reconnection once Form 2's are completed by electrician.
- Rosewood to Brisbane Rail line has been reopened with one line as of yesterday afternoon.
- Moggil Ferry is not operating (issue is that the winch is till under water).
- Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 29 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage.
- Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.



Impact Assessment Summary (Combined

Environmental Recovery

In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 12500 tonnes of debris transferred to landfill sites, from the following areas of operation;

⇒ Goodna 80% completed
⇒ Karalee 45%
⇒ North Booval 45%
⇒ East Ipswich / Basin Pocket 45%
⇒ One Mile / Brassall 90%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 85%

It is estimated that 90% of the debris removal will be completed by the weekend.

Council is also undertaking the pumping out of the sceptic tanks in various locations, commencing in Karalee and Bundamba.

Vector Control will commence within the next couple of days.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
21 January 2011	4.30pm	21

1. WEATHER

Local observations:	**Forecast for the rest of Friday** Mostly fine, a possible brief shower. Moderate SE winds. Précis: Mostly fine **Forecast for Saturday** Mostly fine, a possible shower. Light to moderate SE winds. Précis: Mostly fine, possible shower - Min 19 Max 29 UV Alert from 7:50 am to 4:10 pm, UV Index predicted to reach 14 [Extreme] **Sunday** Mostly fine, a possible shower Min 18 Max 30 **Monday** Fine Min 18 Max 32 **Tuesday** Fine Min 19 Max 34 **Wednesday** Fine Min 20 Max 33 **Thursday** Mostly fine, possible shower Min 20 Max 31 **Friday** A shower or two Min 20 Max 30
Any difference from official weather reports:	**Rainfall** Severe thunderstorms delivered rainfall over Wivenhoe, Somerset and North Pine dam catchments overnight. Catchment average rainfalls of 55 mm occurred in the Pine River, with falls of 93 mm recorded at Mt Glorious. Severe thunderstorm warnings issued earlier in the day have been cancelled, but localized storms are still affecting the catchments. The QPF rainfall forecast indicates that falls of between 15 to 25 mm, with heavier storm falls of 50mm possible in the next 24 hours. **North Pine** North Pine Dam commenced gate operations at 01:00 on Thursday 20 January 2011 due to the runoff generated from the overnight storm. These gate operations ceased at 14:00 on Thursday 20 January 2011 with the lake level at 39.44 mAHD. MBRC have been advised that the operations have ceased and they will open Young's Crossing by 16:00 today. MBRC have also been warned that if further rainfall occurs tonight, gate operations may need to recommence again at 21:00. **Somerset Dam** All regulators were closed at 20:00 Tuesday 18 January 2011. The dam level was 99.09 m AHD at 15:00 on Thursday and rising slowly. Further regulator releases may take place over the next few days to maintain the dam at Full Supply Level (FSL).

Wivenhoe Dam

All gates were closed at Wivenhoe at 12:00 on Wednesday 19 January 2011. The current lake level is just below FSL and rising slowly due to the overnight storm inflows.

Operational releases may be made through the centre radial gate to account for ongoing small inflows and to assist town water supply requirements in the next few days.

Strategy

A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on the fresh in the Lockyer Creek (peak flow 250 m3/s) and any further rainfalls.

- Water is clear of Fernvale Bridge, Mt Crosby Weir Bridge, Kholo Bridge and Burtons Bridge
- Water from the fresh in the Lockyer Creek is likely to keep Savages Crossing and Colleges Crossing inundated for at least the next 24 hours.
- It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later Friday.

The Flood Operations Centre will monitor the situation in North Pine Dam overnight, but control of the Somerset and Wivenhoe dams has reverted to normal Seqwater operations. Remote monitoring will revert to the On Call Duty Engineer (Rob Ayre) from Friday 21 January 2011.

2. Damage assessment Overview
(Include brief summary of key points)

Based upon the projected flood boundary (this will be updated when nearmap information 13 January 2011 is created as a layer), an initial impact assessment of the Ipswich Community, indicates the following impacts;

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CLUBS	19
COMMUNITY CENTRES AND NEIGHBOURHOOD HOUSES	1
COUNCIL DEPOTS	1
ESTATE NAMES	2
FUNERAL DIRECTORS	1
GEOGRAPHIC FEATURES	78
GOLF CLUBS AND COURSES	2
GOLF DRIVING RANGES	2
GUIDES	1
HORSE RIDING	2
HOTELS, MOTELS & ACCOMMODATION	13
INDOOR SPORTS VENUES	1
LAW COURTS	1
LOCALITIES	9
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PETROL STATIONS - 24 HOUR	2
PLACES OF INTEREST	14
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RACQ OFFICES	1
RECEPTION AND CONFERENCE CENTRES	2
RESTAURANTS & NIGHTSPOTS	11
RETIREMENT VILLAGES	5

SCHOOLS	6
SCOUTS	4
SHOPPING CENTRES	6
SKATE FACILITIES	5
SWIMMING POOLS	4
TAB	3
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TENPIN BOWLING	1
WALKING TRACKS	1
YOUTH CLUBS & CENTRES	1
Grand Total	344

In terms of damage to buildings, the following is the initial overview;

BUILDINGS	7,221
MISCELLANEOUS	114
POOLS	501
SHEDS	4,504

Of the 7,221 buildings identified, the QFRS has identified approx 750 - 1,000 houses inundated. Western Region still to be assessed.

In terms of the Road Network there is 766 roads/streets impacted by the event.

3. Significant Issues Summary
(Include those significant issues of interest to the QPS, Queensland Government and/or with potential for media interest)

The main issues at the moment are;

- addressing the short-term accommodation requirements to relocate the remaining evacuees at centres.
- Removal of debris from affected properties and streets.

DISTRICT REPORTS

4. Summary Of Past 24 Hours By DDMG / LDMG
(Include brief details of operations, visits, etc)

DDMG held 20 January 2011 @1pm.
LDMG still at "Stand up" and last meeting held 21 January 2011 @ 9am. Next meeting 9am Friday, 28 January 2011

5. Projected Recovery activities / objectives
(Identify short term (up to 24 hours) and longer term (24 hours+) recovery activities and objectives, including anticipated re-supply requirements)

- addressing the short-term accommodation requirements to relocate the remaining evacuees at centres.
- Removal of debris from affected properties and streets.
- Establishment of Recovery Group and sub-committees for Human/Social, Environment, Infrastructure and Economic.
- Vector Control program is underway at 30 key locations
- Septic Tank Cleaning program is continuing in Bundamba, North Booval, Thagoona and Karalee.
- Assessment of impacts on Infrastructure being undertaken.

FACTS AND STATISTICS

SOCIAL

6 Population

Deceased:	2 known in the Ipswich region
Injured:	
Missing:	

7. Evacuations

Evacuation Centres activated (include location and commencement date):	During the height of the event, Ipswich City had 11 centres operating. At this point in time there are only 2 remaining: • Ipswich City Showground's • Riverview Neighbourhood Community Centre
Numbers registered at Centres (include progressive total, and current registrees):	During the height of the event, Ipswich City had 11 centres operating with a total of 1500 people registered.
Numbers staying in Centres (include progressive total and current number of persons previous night):	At this point in time there are only 2 remaining: • Ipswich City Showground's 60 • Riverview Neighbourhood Community Centre 16
Issues (include comments relating to public safety, support services and resources where applicable):	Addressing the short-term accommodation requirements to relocate the remaining evacuees at centres.

8. Community Recovery Centres

Locations:	3 main recovery centres established; • Ipswich Showgrounds (#) • Bundamba TAFE • Max Employment Office Other outreach posts; • Karalee State School • Immaculate Heart Leichhardt • Riverview Neighbourhood Centre • Rosewood Community Centre (#)
Opening hours:	8am to 5pm
Numbers utilising Centre:	5000 applications received which amounts to approx $2million.
Issues:	Housing Taskforce has been set to address the current issue with relocation of evacuees, but also to start looking at the 2nd housing wave which is expected to come from those who are currently staying with friends and family.

9. Health

Public Health:	20 EHO's have been sourced externally and are focuses on assessment of the approx 1000 businesses affected. To date 655 have been assessed. 1000 residences have been visited within and on the border of affected zones to provide public health information and warnings. 30 key sites have been identified for vector control, which commences Sunday. Septic tank cleaning program continues in Bundamba, Karalee, North Booval and Thagoona. Issue identified is the number of affected homes that have not been cleaned is growing. Steps are being taken to gain access and undertake required activities before these sites become a health issue.
Mental Health:	Still being assessed, but those requiring support have been directed to appropriate counselling services, especially occurring within the business sector.

INFRASTRUCTURE

10. Transport
(If roads, airstrips etc closed, include estimated time of opening)

Aviation:	Open
Rail:	Rosewood to Brisbane Railway is opened, Still minor works required at Bundamba Station.
Road:	All state and local road networks are open, except for Colleges Crossing, Mt Crosby Weir and Warrego Highway @ Minden (landslip)
Marine:	Moggill Ferry is not operating due to structural issues.
Other:	

11. Structures Including:

- *No. of residences with water over the floorboard (affected living areas)*
- *No. of residences with water under the house (not affecting living areas)*
- *No. of properties with water entering yards but not affecting residences*
- *No. of public buildings with water affecting ability to function*
- *No. of businesses with water affecting ability to function*

		Accumulative total (where applicable):
Residences (includes individual apartments and flats):	Initial flood mapping indicate approx total of 8773 properties affected of which 5888 buildings have been affected by flood waters. QFRS rapid assessment indicates approx 750-1000 houses indicated by flood waters.	
Properties (not including properties on which residences or businesses are affected):	Approx 3888 are properties excluding residences & businesses	
Roads, streets, highways etc:	766 streets affected.	
Businesses:	Approx 1000	
Council:	Riverview Depot was inundated as well as approx 108 parks, ovals and recreational areas	
Government Offices:		
Schools:	4 Schools were impacted - Ipswich SHS, Bundamba SS, Brassall SS and East Ipswich SS.	
Hospitals:	Nil	
Dams:	Nil	

12. Services

Communications *(If communications out, include estimated time of reconnection)*	
Telephone Network:	Nil
Mobile Telephone Network:	Nil
Radio (2-way):	Nil
Broadcast Radio / TV:	Nil
Power *(Include number of residences, public buildings and business premises without power, and estimated time of reconnection)*	
Mains power:	Supply has been returned to all residences unaffected by the Flood. The next program will be focused on reconnecting affected properties (750-1000)
Auxiliary power:	
Public Transport	
	All working except for Ipswich Bus Transit Centre which we are awaiting advice on.
Water *(Include number of residences, public buildings and business premises without water, and estimated time of reconnection)*	
	Refer to QUU report to DDC
Sewerage *(Include number of residences, public buildings and business premises without sewerage services, and estimated time of reconnection)*	
	Refer to QUU report to DDC
Gas *(Include number of residences, public buildings and business premises without gas services, and estimated time of reconnection)*	
	Supply has been returned to all residences unaffected by the Flood. The next program will be focused on reconnecting affected properties (750-1000)

ECONOMIC

13. INDUSTRY

(Discuss estimated economic impacts on areas of business / industry – not to include previous data on number of business premises affected in section 10)

Sector:	Analysis still being undertaken.
Sector:	
Finance:	

ENVIRONMENT

14. Environmental Impact

The "Clean up Ipswich " program continues utilizing ADF, council, volunteers and private contractors.

⇒ Goodna 80% completed
⇒ Karalee 45%
⇒ North Booval 45%
⇒ East Ipswich / Basin Pocket 45%
⇒ One Mile / Brassall 90%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 85%

It is estimated that 90% of the debris removal will be completed by early next week.

To date a total of 13,000 tonnes have been taken to landfill. Bulk Asbestos pick ups have been done from two sites.

LOCAL ARRANGEMENTS

15. Updates to District/Local Contacts

Changes to Contacts:	Ross Drabble replacing Tony Trace -- Mobile [redacted]

Ipswich City Situation Report (SITREP)

Event: **January 2011**

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	**Time**	**Sitrep No.**
24 January 2011	**9.00am**	**22**

1. WEATHER

Local observations:	**Forecast for Monday** Fine, light to moderate SE winds and an afternoon NE sea breeze. Max 32 **Tuesday** Fine. Min 19 Max 33 **Wednesday** Fine. Min 20 Max 35 **Thursday** Fine. Min 20 Max 32 **Friday** Fine Min 21 Max 31 **Saturday** Showers Min 20 Max 30 **Sunday** A few showers. Min 21 Max 28

2. Damage assessment Overview
(Include brief summary of key points)

SES – did 1800 tasks in the area in the last 6 days.

SOMERSET
- Information provided by Department of Communities indicate a total of 426 were impacted by the floods.
- Number of businesses have been impacted in Esk (approximately 14) and Lowood (approximately 4)

IPSWICH
Ipswich CC current estimate is that there are **8,773 properties** were impacted by flood waters. There are no houses in Ipswich currently inundated. QFRS have advised 1,000 houses had water in liveable areas.

3. Significant Issues Summary
(Include those significant issues of interest to the QPS, Queensland Government and/or with potential for media interest)

SOMERSET
Recovery Centres have now opened in towns of Fernvale, Lowood and Esk. Evacuation centres have now all closed and all families re-housed.

IPSWICH
- Determining actual number of unhoused persons, as there is a large section of the community residing with friends and family.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to wing operation of evacuation centres.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House.
- Undertaking impact assessment inspections on identified residential, business and community assets.
- Land landslide Cunningham Highway at The Gap as of 1100 21/1/11. Currently road is closed in both directions.

DISTRICT REPORTS

4. Summary Of Past 24 Hours By DDMG / LDMG
(Include brief details of operations, visits, etc)

IPSWICH
Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes. Undertaking of Housing requirement assessments for evacuees.

QUU monitoring their assets – 14 pump stations are being restored as well as Bundamba & Goodna Treatment plant only at level operational level.

No issues with water supply except for Marburg where QUU have issued water safety advice to residents to boil water before use as a precaution.

4. Projected Recovery activities / objectives
(Identify short term (up to 24 hours) and longer term (24 hours+) recovery activities and objectives, including anticipated re-supply requirements)

IPSWICH
QFRS Rapid Assessment and Fly over assessments have been finalized
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees.
Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 18,000 Tonnes have been disposed of.

FACTS AND STATISTICS

SOCIAL

5. Population

Deceased:	Male: Female: Total: Comment:	3 0 3 Jesse Joshua WICKMAN DOB 15/09/2006 Date of Event: 11/11/2011 @ 21:24hrs Location: Minden Cross Roads, Minden Robert Gregory BROMAGE (08/10/60) Date of Event: 12/01/2011 @ 2220hrs Location: Karabin-Rosewood Rd Karrabin Selwyn SCHEFE of Murphy's Creek Date of Event: 12/01/2011 @ 2301hrs Location: 1599 Brightview Rd Tarampa **Nil further reported deaths (3.00am 17/01/11).**
Injured:	Male: Female: Total: Comment:	Nil specific data has been captured by Queensland Health or provided by the Ipswich DDCC There have been reports of injuries that have been treated in Lowood and Esk, unable to establish exact numbers Report of woman with broken arm after fall – location unknown at this stage
Missing:	**Male:** **Female:** **Unknown:** **Total:** **Comment:**	0 0 0 0 0 outstanding jobs. 37 jobs have been referred to the Ipswich District since the commencement of the Ipswich DDC 11/01/11. All investigations have been carried out by staff from Ipswich CIB. Nil outstanding

	SOMERSET Nil confirmed, believe some may have been reported to QPS. There are a lot of incidents where people are unable to contact friends or relatives however, does not necessarily mean they are missing due to poor communications within the Region

6. Evacuations

Evacuation Centres activated (include location and commencement date):

Evacuation centres – All commenced 11/01/11

DIVISION	LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED
Lowood	Lowood High School	11/1/11	180	
Lowood	Lowood Bowls Club	11/1/11	80	
Lowood	Fernvale State School	11/1/11	20	
Lowood	Future Centre Fernvale	11/1/11	0	
Lowood	Coominya Hall	11/1/11	40	
Lowood	Mount Tarampa school	11/1/11	0	
Rosewood	Rosewood High School	11/1/11	80	
Esk	Esk State School	11/1/11	71	
Toogoolawah	RSL and Showgrounds	11/1/11	130	
Boonah	Outlook Training Resource Centre, Boonah	11/1/11	100	
Kilcoy	Memorial Hall	11/1/11	100	
Marburg	?	11/1/11	0	
Goodna Div	Riverview Community Centre	11/1/11	50	
Goodna Div	Redbank Evac Centre	11/1/11	60	
Ipswich Div	Boys Grammar	11/1/11	170	
Ipswich Div	Girls Grammar	11/1/11	200	
Ipswich Div	Showgrounds Salisbury Road, Ipswich	11/1/11	690	
Ipswich Div	St Josephs Nth Ipswich	11/1/11	140	
Goodna Div	Shiloh Goodna	11/1/11	70	
Goodna Div	Christian outreach Redbank Plains Rd Goodna	11/1/11	60	
Ipswich Div	Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	
Ipswich Div	Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	
Ipswich Div	Ipswich Golf Club	11/1/11	200	
Karana Downs	Karalee State School	11/1/11	370	

IPSWICH
Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (42 Sleeping)

SOMERSET
Evacuation Centres have all been closed, being replaced with Recovery Centres in various locations

Numbers registered at Centres (include progressive total, and current registrees):

IPSWICH

numbers are reducing as power is returned to unaffected areas.

Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds.

	Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 42 (sleeping) We also have a welfare distribution centre at Camira Community Centre which will be closed by 21/1/11 and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross and discussions are continuing to determine the close down date. This was planned for the Friday, 21 January 2011, however this has been extended. The District Community Recovery Committee are investigating options for their implementation. Possibility of using Salvation Army Store at 12 Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds. **SOMERSET** All families that were being housed at the evacuation centres have been re-housed.
Numbers staying in Centres (include progressive total and current number of persons previous night):	**42 @ Ipswich Showgrounds, in excess of 2200 initially dealt with at height of flood across 24 separate centres, exact figures still be collated at LDMG level**
Issues (include comments relating to public safety, support services and resources where applicable):	**IPSWICH** Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

7. Community Recovery Centres

Locations:	Recovery centres at Bremer TAFE and Wacol Park relocating to Goodna. Recovery Centres Esk and Fernvale. 6100 personal hardship payments made to residents of Ipswich – 2.4 million dollars up to 12pm Thursday 20/01/11. Relocate and rehouse people who have been displaced, currently liaising with Somerset and Ipswich City Council's . 119 Staff out in the field working at recovery centres. Red Cross, Lifeline and Mental Health Team from Ipswich Hospital are great support and assisting. **IPSWICH 20/1/11** Community Recovery Centres have been est. at the following locations: • Ipswich Showgrounds (#) • Bundamba TAFE • Karalee State School • Immaculate Heart Leichhardt • Wacol Park (#) – Closing down and relocating to Shiloh • Riverview Neighbourhood Centre • Shiloh Church Goodna • Rosewood Community Centre (#) Community Recovery Centres are operating at the following locations: - Ipswich Showgrounds - Bremer Institute of TAFE - The Park Centre for Mental Health Wacol (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) Community Recovery Centre outposts located at the following locations: - Karalee State School - Immaculate Heart Catholic Primary School Leichhardt (relocating to Ipswich Showgrounds

	from Friday 21 January) · Riverview Neighbourhood House (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) · Rosewood Community Centre · Gailes Community Hall · Shiloh Christian Church (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) · Goodna War Memorial (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) The Community Recovery Centres are the official advertised centres and the outposts are smaller centres that will relocate services to the larger ones when the need decreases or when the facility needs their space/rooms back. **SOMERSET** **Community Recovery Centres are operating at the following locations:** • Fernvale Futures Complex **Community Recovery Centre outposts located at the following locations:** • Lowood Neighbourhood Hub • Esk – CWA with support from Stepping Stones. An outpost service will operate mobile services to surrounding areas such Toogoolawah. • Kilcoy, Villeneuve, Harlin, Moore are currently being serviced by the North Coast Region of the Department of Communities
Opening hours:	0900 – 1700 **SOMERSET** • Esk 9am to 4pm 7 Days. 2 DOC Staff, 1 Lifeline Staff • Fernvale 9am to 4pm 7 Days. 3 DOC Staff, 3 Lifeline Staff, 3 Centrelink, 2 Dept Housing • Lowood 9am to 4pm 7 Days. 5 DOC Staff, 2 Lifeline Staff, 5 Centrelink
Numbers Utilising Centre:	Feeding approx 800 people within the centres.
Issues	Welfare distribution centre at Camira Community Centre closing 21/01/11 transferring to Lifeline. Close down strategy for all Ipswich centres by 21/01/11 **SOMERSET** Total Personal Hardship Grant applications up until 2.30pm 20 Jan 2011: Somerset Region 702 / $300K plus. There is a 20 person DOCS staff housing team in Fernvale and Lowood as of 20 Jan 2011. **IPSWICH** Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions. Department of Communities have had as at 12.00pm 19 Jan 2011 • 6100 application for Hardship – Totalling approximately $2.4 million. • 564 applications for Household grants • 215 application for Structural Assistance

8. Health

Public Health:	**Mobile Vaccination Clinics** - 4 mobile vaccination clinics deployed in SEQ. - 1 van stationed at Wulgara Street Goodna 0830 19/01/11

Mental Health:	Nil to report

INFRASTRUCTURE

9. Transport
(If roads, airstrips etc closed, include estimated time of opening)

Aviation:	Nil changes since previous reports Nil issues known, small private strips only
Rail:	opening line from Ebenezer to Fishermans Island. Line up and running on Tuesday afternoon and storm hit. Still issues as stations affected at Goodna and Ipswich. Qld Rail advise that the Rosewood to Brisbane line is now open
Road:	**IPSWICH 20/1/11** Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. State Roads Closed: - Cunningham Highway at The Gap closed both directions due to a major landslide Local Roads Closed: - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) Roads Closed due to Brisbane River Levels: - Mt Crosby Weir (under going structural assessment) Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas. Also, Level 2 Bridge Assessments are being undertaken on the City's network. **SOMERSET 21/1/11** Road Closures & Restrictions **Date: Thursday 20th January 2011, 8:00am**

ROAD DETAILS	STATUS
State Controlled Roads (Main Roads)	
Brisbane Valley Highway OPEN at Brisbane River at Fernvale, weight restriction of 15 T	Load Limit of 15T to apply until further notice.
Esk Hampton Road closed at Redbank Creek (bridge 3)	Bridge lost, closed for some time. Alternative access for people on Eastern side of bridge via detour to Hampton/Crows Nest.
Forest Hill Fernvale Road closed between Fernvale & Lowood	Further slip occurred Wednesday night 19th January.
Somerset Wivenhoe Road entire road closed	Structural & Pavement Damage. Roadtek crew opening road. Should be open early next week
Esk Kilcoy Road closed between "The spit" & Brokhurst Road also closed between Mt Beppo Road & Murrumba Road	Works Crews presently repairing from "The Spit & Brokhurst Road"
D'Aguilar Hwy – Closed at Blackbutt Range	Land Slide. Engineering Assessment in action. Work commenced on side track. Fragile situation.
Kilcoy Murgon Road closed at Jimna Range	Landslips being cleared. Expect to open to light traffic early next week.
Cunningham Hwy close at The Gap	Landslide reported 1100 21/1/11. Traffic crew

		has been dispatched to evaluate
	Shire Roads	
	Neurum Road closed between Villenueve Quarry & Villenueve Road	Pavement Failure
	Mary Smokes Creek Road closed between Sandy Creek Road & D'Aguilar highway	Temporary Pavement Repairs progressing.
	Sandy Creek Road OPEN at Huebners Bridge	Temporary crossing now constructed and road open.
	McAuleys Lane OPEN at Jenkinson Bridge	Bridge Damaged. Temporary repairs completed.
	Monsildale Road closed due to slips.	Engineering Assessment required.
	Ten Mile Road closed due to slips.	Engineering Assessment required.
	Gregors Creek Road closed at Brisbane River	Bridge Lost. Will be closed for some time.
	Esk Crows Nest Road closed at Eskdale Ivory Creek Road	Structure damaged
	Ivory Creek Road closed at Ivory Creek	
	Patrick Estate Road – Open with Extreme Care	
	Minden Village – Zabels Road North	
	Tooloorum Road closed at Bridge	Bridge Damaged
	Strassburgs Road	
	Glenmaurie road at Maronghi Creek	Bridge Lost. Side Track to commence construction Friday. Energex assisting.
	Mount Byron Road	
	Mahon Road Closed due to land slide	
	Russmussen Road Closed Forest Hill – Fernvale Road	Lost Concrete Crossing

Marine:

Mt Crosby Weir – structural issue of Weir – unsure of extent at this time (Brisbane City Council engineers conducting ongoing operations).

IPSWICH

Moggill Ferry out of service for unknown timeframes at this time.

Other:

IPSWICH

Infrastructure Recovery:

All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note:

- approx 420 Energex customers still affected, ie not able to reconnect until electrical certification. Energex have pulled fuses on inundated houses and waiting on electrical certification to reconnect. The main effort now is in reconnection once Form 2's are completed by electrician.
- Rosewood to Brisbane Rail line has been reopened with one line as of 20/01/11.
- Moggill Ferry is not operating (issue is that the winch is till under water).
- Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 14 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage.
- Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.

SOMERSET

- Properties west of Harlin accessible by 4wd over weekend.
- West of Esk Hampton Road – no issues. Road subject to repair by Main Roads. Access made to the west.
- Wivenhoe Pocket, East of Brisbane River down stream of dam – Isolated due to dam releases. Dam release temporarily stopped so temporary access permitted.
- Northern end of Somerset – ongoing support due to local road issues. Currently under repair. Limited access.
- All local council roads except for Esk – Hampton Road is a State Controlled Road.

	• Use of helicopter today to access areas isolated. Main roads gave all clear to open bridge. 15 tonne load limit on bridge only open for 12 hours. Temporary work to be conducted on bridge. • Waste collection – domestic service not provided. Ipswich Waste Services are providing services to the area. • Flood debris waste – waiting confirmation from ADF if and when will be in Somerset. Haven't received confirmation. • Water/sewerage – Lowood plant was operating, however land slip has taken out supply again. Currently under repair. Unknown how long. All other services working. • Clean up in Fernvale. Clarendon, Wivenhoe Pocket, Prenzlau • 32 river crossings in Mt Stanley area damaged and needs repair. Limited access only. • Fernvale Telstra Mobile towers now restored and fully functional.

10. Structures

Including:

- *No. of residences with water over the floorboard (affected living areas)*
- *No. of residences with water under the house (not affecting living areas)*
- *No. of properties with water entering yards but not affecting residences*
- *No. of public buildings with water affecting ability to function*
- *No. of businesses with water affecting ability to function*

		Accumulative total (where applicable)
Residences (includes individual apartments and flats):	Somerset • Damage assessment of the Somerset region being undertaken by SES and QFRS/Rural Fire over 8 sections of all properties, with section 8 first priority including: • 97 SES civilian volunteers to Fernvale area (over 100 house) • 20 Moreton Bay SES to Fernvale area • 40 Gold Coast, Scenic Rim and Ipswich SES to Lowood • 10 Esk SES with flood boat from Scenic Rim. • Rural Fire Service has 5 trucks at Fernvale and 12 trucks at Lowood. • SES tasked to assist cleaning houses (as at 10:00 16/01/11): ➢ Lowood 5 to clean out ➢ Fernvale have 30 to clean ➢ Esk Outskirts 200 ➢ Finalised :Esk finalised • 85 public houses affected - 47 now relocated or back in house. • 38 homes not habitable. (5 under repair and 30 are not habitable). • Options currently under consideration. Public awareness sessions commenced. **IPSWICH** Estimate: **766** Urban streets were impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Buildings – 7,221 Misc – 114 Pools – 501 Sheds - 4504 QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in liveable areas. • QFRS identified 700-1000 houses plus streets. • Karalee area NAVY doing doorknocking checking on people and	

	reporting back to LDMG. Business impact assessment under way. • Sewerage treatment plant back on line. • Water is fine – Exception cloudy coloured water at Karalee taps. (Will be rectified Friday 21). Public Housing issues – keeping Showgrounds open as main evacuation centre **SOMERSET** Residences - Number houses as reported from DCS (426 total) Businesses - 22 (Esk 16, Lowood 6)	
Properties (not including properties on which residences or businesses are affected):	Moderate flooding through Esk council office ,Esk Library and Arts Centre. **SOMERSET** • Moderate flooding through Esk council office with damage to carpets, furniture and other items • Major damage to the Esk Library and Arts Centre with many books destroyed. • Fernvale Indoor Sports Centre significantly damaged. Structurally OK. • Council Works Depot flooded, Damage to equipment and furniture. • Visitor Information Centre, damaged carpets , furniture and electrical. • Damage to Lowood Enterprise Centre	
Roads, streets, highways etc:	Reference Section 9. Infrastructure	
Businesses:	**IPSWICH 20/1/11** Ipswich –Approximately 271 businesses affected. Up to date figures to be provided evening 18/1/11. Somerset – exact numbers to be sourced. QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going. **SOMERSET 21/1/11** 18 Business affected **Somerset** <u>Stores/Shops:</u> • Most shops/outlets are receiving irregular delivery of some supplies from distributors. • Local shopping outlets open (but with limited fresh foods) include: - IGA Lowood (receiving delivery of groceries Mon) - Woolworths Fernvale - IGA Toogoolawah (receiving delivery of groceries Mon) - IGA Kilcoy, Bakeries and service stations are self stocking. Bakeries have bread for the weekend, with more flour expected on Monday. 2 loaves per family maximum.	
Council:	Specific data yet to be provided by LDMGs.	
Government Offices:	To be fully assessed when flood waters recede.	
Schools:	School holidays at present.	

	• **Education Qld**
	  • Ipswich State High, commence Monday/.
	  • Brassall State School – running for Monday and Year 7's over to Ipswich High School.
	  • Bundamba State School – limited capacity.
	  • East Ipswich – Commence Monday.
	  • Lowood School – Commence Monday.
	
	SOMERSET
	Reports that Patrick Estate School may have received some damage.	

Hospitals:	Ipswich Hospital operational. Esk Hospital operational.	
Dams:	Wivenhoe and Somerset dams – no issues.	

11. Services

Communications *(If communications out, include estimated time of reconnection)*	
Telephone Network:	**Ipswich** Nil issues. **Somerset** • Voices services from the Jimna exchange are down (suspected transmission fault, Telstra unable to reach due to 'Red Zone no-go status') • Moore, Mt Stanley and **Minden** which are running on generators. • All other exchanges operational **SOMERSET** Landline services: • Voice services to Lowood & Minden were restored approx 1pm 16/01/11 (Lowood's primary fibre optic transmission link is broken approx 1.5k south, and the backup link via the Minden exchange failed when the exchange battery backup was depleted as mains power still is not available. Telstra technicians installed backup generator to restore services to both Minden & Lowood) • Voices services from the Jimna exchange are down (suspected transmission fault, however Telstra not able to reach due to 'Red Zone no-go status') • All other exchanges are operational, however some localised faults do exist for outlying areas with damaged infrastructure • Mains power has been restored to all exchanges except for Moore, Mt Stanley and Minden are running on generators.

Mobile Telephone Network:	• Telstra reports mobile base stations experiencing issues (that may affect surrounding areas):
	  ➢ Lowood (no service due to power outage)
	  ➢ Ironbark (GSM mobile coverage only)
	• Optus no outages, local issues possible.
	• Vodafone no significant outages local issues possible.
	
	Mobile towers Fernvale now restored.
	Targeting High Business Zones for urgent repairs. Biggest fault areas Ipswich 108, and Goodna 75
	
	SOMERSET
	All towers back online and all services restored

Radio (2-way):	QPS radio working . SOMERSET Nil issues known
Broadcast Radio / TV:	Nil issues.

	SOMERSET Nil issues known
Power *(If power out, include estimated time of reconnection)*	
Mains power:	Ipswich area now back to house by house inspections/reconnections with electricians. Using helicopters for arranging poles to be flown to hard access areas. Power restored to all areas possible a this time. At 1.00pm on 20/01/2011 Energex advise customers currently affected by power outages: Brisbane Valley 160 Ipswich & Surroundings Areas:- 420 **Ipswich** Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 140 crews currently in the Western region. Now doing fatigue management with crews. Priority for Polar Ice Factory at Lobb Street, Churchill to get power. **Somerset** Electrical Infrastructure: Powerlink is onsite repairing three damaged 275,000 volt transmission towers (2 at Moore, 1 at Mount England-Splityard Creek). The transmission lines supply suburbs of greater Brisbane (from Tarong Power Stations to the South Pine distributor) and are still operational. Approximately 20 ENERGEX crews and contractors are continuing work in the area on repairs to the network where access to sites is available. The main 11kV line from Wivenhoe substation to Fernvale has been damaged at the river and is currently in accessible for repair work. Staff are investigating options to re-build the overhead mains across the river today, however work may not be completed until later this week. However supply cannot be reconnected to premises which have suffered water damage until the customer's electrical contractor has tested and cleared the premise for re-connection. <u>Gas Pipeline:</u> • APA Group has performed aerial inspections of the Roma Brisbane pipeline and have not found any issues within the Somerset Region. However, as parts of the pipeline are submerged around Wivenhoe/Brisbane River, there may be undiscovered damage or issues. **IPSWICH** Customers currently affected in Ipswich & Surroundings Areas is approximately 24. **SOMERSET** <u>Mains Power Outages</u> (Source: Energex 20/01/11 at 1242) Update for Brisbane Valley Region: Approximately 35 ENERGEX crews and contractors are continuing work in the area on repairs to the network where access to sites is available. <u>**Fernvale**</u> The main 11kV line from Wivenhoe substation to Fernvale has now been restored at the river near Fernvale Bridge. Some sections of 11kV network around England Creek are damaged. 8 transformers are isolated near the gravel plant (primarily feeding irrigation loads) and we are looking at building a new line

	to restore power over the next 2 to 3 days. ENERGEX are looking into providing impacted customers with small generators. ENERGEX now have access to Wivenhoe Pocket and restoration works have commenced. ENERGEX expect to have supply gradually restored to customers over the next 2 to 3 days. **Moore, Linville, Harlin** Supply has been restored to the majority of ENERGEX's high voltage network in this area. ENERGEX crews are progressively restoring the remaining sections of network as access becomes available. Having difficulty in gaining access past Crossing no1(near Gerry Ryan's property) on Linville Mt Stanley Road. ENERGEX are aware of the faults having assessed by helicopter and is looking at access via other means. Aiming to have supply restored over the next 2 to 3 days. **Kipper Creek** Majority of network is restored, with one transformer to be reinstated. **O'Reillys Weir** A number of transformers are isolated, consisting mainly of irrigation loads. Access is by foot and expect restoration to be completed over the next 2 days to restore power to houses. Further works are required to reinstate supply to a number of irrigation pumps. **Borallon** A number of customers are isolated and there is significant damage to ENERGEX assets. ENERGEX has made contact with many of the residents and dispatched generators by helicopter to those impacted. Repair works have been scoped and ENERGEX are looking at restoration of supply to customers over the next 2 days. Washouts along the pipeline within the Somerset Regional Council have been reported and Transmission Operations Technicians are attending to repairs. (received 18 January 2011 at 10:57am)
Auxiliary power:	• FERNVALE - Approximately 96 % restored 19/01/11 12.26pm by: ➢ 2 x 1000KVA 11kV generators (Aspera Crt & Fernvale Town) ➢ 2 x 500KVA LV generators (Woolworths). Significant progress on network repairs to enable further supply to be restored to customers is not expected until sometime on Monday.
Public Transport	
	See section 11 for details of Rail Services.
Water	
	• **Water supply** Functioning as normal. Some main breaks still to be addressed but they do not impact on supply. • Bottled water collection points: ➢ Fernvale Futures Complex and Information Centre ➢ Minden State School, Somerset Water Infrastructure: • The 2 submersible pumps used at Lowood Water Treatment Plant were destroyed on 11/01/11, with the backup above-ground pump currently under water and not operational • Temporary bulk-water pump was brought online at 5am 15/01/11 to supply Lowood WTP, with the plant supplying treated water to the western side from approx 12:00 15/01/11 • QUU advised mains supply water to Fernvale, Lowood & Minden were being scoured (as at 4:20pm 15/01/11) and would have clean water by the evening of 15/01/11. • A 50m section of the water distribution network between Lowood and Tarampa

has been damaged, with no ETR, however as this is a loop main all residences at Tarampa should now have water.

SOMERSET
Email Received 8.40am

The 200mm main feeding the Fernvale reservoir was broken during a landslip after recent storm activity.

The Fernvale reservoir is currently unable to be filled. As at 6:30am the level in Fernvale reservoir was 5% (100kL, ~ 1 days supply)

6 customers are without supply due to isolation of the main during repairs. The remaining customers in Fernvale are receiving supply.

Repairs to the main allowing Fernvale reservoir to be re-filled were completed at 1000 hrs 21/1/11

UPDATE 5.30pm Thursday 20/1/11

Somerset Regional Council area
Water:

- Qld Health has requested extra monitoring of all 26 towns on Lowood scheme. Sampling continues with increased chlorine application.
- Lowood Water Treatment Plant in operation. Reservoir levels are: Lowood 1 - 84%, Lowood 2 – 28%, Lowood 3 – 93%, Fernvale 1- 26%, Western 80%.
- Advice was received from Seqwater at 2.40pm – river level at Lowood was expected to rise and Seqwater wanted to stop the temporary pump from 4pm to 10pm.
- Lowood temporary pump running – monitoring river level – Seqwater will notify EMT if required to move.
- Extra crews have been arranged on standby as a contingency plan for the water supply to the affected Lockyer Valley and Somerset areas.
- Water samples have been collected for testing.
- Toogoolawah depot accessible but severely damaged.
- Bottled supplies still available.

Wastewater:

- Esk/Lowood sewerage pumping station 90% operational - diesel pumps being used.
- Fernvale WRP access still flooded, plant is ok. Staff flown in by helicopter has investigated. WRP is capable of stage 1 sewerage treatment. Balance of system to be checked in time.
- Request submitted to Somerset LDCC to repair access road to Fernvale WRP.
- Esk WRP expected to be operational by Saturday, 22 January. Inlet pump station being repaired – portable diesel pump being used.
- One sewerage pumping station remains down.
- Esk WRP some treatment achieved and expected to be operational by 22/1/11.
- Tankers being arranged for sewerage pumping stations. Electricals being dried out and failed equipment being replaced.
- Road repair crew to Banks Creek Rd Fernvale on 21/1/11 – notifying QUU when completed.

SOMERSET WASTEWATER ASSETS STATUS
Sitrep
UPDATE 5.30pm Thursday 20/1/11

WRP Status

WATER RECLAMATION PLANT	CURRENT STATUS
Esk WRP	Operational using Diesel Pumps
Fernvale WRP	Operational
Lowood WRP	Operational using Diesel Pumps
Kilcoy WRP	Operational
Toogoolawah WRP	Operational

Pump Station Status

PUMP STATION	LOCATION	OPERATIONAL	POWER	PREVIOUSLY FLOODED
PROSPECT ST 1	Lowood			
PROSPECT ST 2	Lowood			
BRAY ST	Lowood			
DANIEL ST	Lowood			
JAMES ST	Lowood			
MACADAMIA	Lowood			
MAIN ST	Lowood			
FERNVALE 1	Fernvale			Y
Schmidt Rd	Fernvale			Y
LINDEMANS RD	Lowood			Y
FOREST HILL FERNVALE RD	Lowood			Y
TOOGOOLAWAH 1	Toogoolawah			
TOOGOOLAWAH 2	Toogoolawah			
TOOGOOLAWAH 3	Toogoolawah			
TOOGOOLAWAH 4	Toogoolawah			
TOOGOOLAWAH 5	Toogoolawah			
KILCOY 1	Kilcoy			
KILCOY 2	Kilcoy			
KILCOY 3	Kilcoy			
KILCOY 4	Kilcoy			
KILCOY 5	Kilcoy			
KILCOY 6	Kilcoy			
ESK 1	Esk			
FERNVALE 2	Fernvale			Y
FERNVALE 2	Fernvale			Y

Sewerage

Ipswich

- QUU monitoring their assets- no issues at the moment with water supply- visual inspections of assets once water recedes.
- 14 Pump stations not operating at this point in time – use trucks to move wast[illegible] appropriate facilities.

	• Bundamba and Goodna Treatment plant are only operating at level 1. **Somerset** • Toogoolawah STP and network Operational Esk STP and PS Diesel pump used to pump from wet well to head of plant. Some treatment achieved. Normal operation should be achieved by 21/01/11. Site clean up needs to be assessed for outflow of raw sewage into creek. Lowood STP and PS's Diesel pump used to pump from wet well to head of plant. Some treatment achieved. Normal operation should be achieved by 21/01/11. NO7 Pump Station Lowood SP467 Lindemans Road not operational (overflows into gravity sewer system). Fernvale STP No access. QUU officers were flown into site on 17/01/11 to assess. • NO1 Pump station SP397 Banks Creek Road is not operational. Site clean up needs to be assessed for outflow of raw sewage into creek. NO3 Pump station SP399 Schmidt Road is still to be checked by QUU officers. Site clean up needs to be assessed for outflow of raw sewage into drainage. • Potential public health issue being investigated by EHO's regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants, and on-site residential sewerage facilities (e.g. septic tanks) overflowing or non-operational due to power outages. <u>Wastewater Infrastructure:</u> • Verbal advise by QUU of the public health issue regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants. Advice received that <u>no public health threat</u> as releases are in areas of non habitation and final release is in Brisbane River which dilutes the effects of the sewage. • Council preparing media release regarding servicing/checking on-site residential sewerage facilities. All sewerage spills are being reported through QUU and where relevant are being forwarded on to DERM
Rubbish	• 19/01/11 meeting with Wanless regarding Esk and surrounds pick up. (Ipswich waste services contracted for the Esk and surrounds (excluding Linville, Colinton and Moore). • Wanless to resume normal servicing by 24/01/11 (excluding flooded areas). • Fernvale, Lowood and surrounds kerbside cleanup (Zanos contractors). Ipswich Waste Services are back to BAU services to the community.

ECONOMIC

12. INDUSTRY

Sector:	**IPSWICH** **Economic Recovery:** Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development. • Undertaking impact assessment of both Urban and Rural businesses. • TRADE SHORTAGES - Working with B105 in Brisbane & Triple M in Sydney, as they have volunteer trades people in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here. • Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment. • Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts
Finance:	Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available. • Undertaking impact assessment of both Urban and Rural businesses.

ENVIRONMENT

15. Environmental Impact

IPSWICH

Environmental Recovery

In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance fro the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 12500 tonnes of debris transferred to landfill sites, from the following areas of operation;

⇒ Goodna 80% completed
⇒ Karalee 95% (ADF will be moving from this area to North Booval)
⇒ North Booval 75%
⇒ East Ipswich / Basin Pocket 90%
⇒ One Mile / Brassall 95%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 95%

The 1st pass of debris removal is complete , except for North Booval and the 2nd pass is planned to be completed by 28 January 2011..

To date a total of 18,000 tonnes have been taken to landfill. Bulk Asbestos pick ups have been done from two sites.

Council is also undertaking the pumping out of the septic tanks in various locations, commencing in Karalee and Bundamba.

Vector Control will commence within the next couple of days.

Assessment of impacts on river banks and drainage assets are being undertaken over the next week. Assessment of impacts to our Parks and recreational areas are also being undertaken. **SOMERSET** Extensive damage to the environment has occurred, will not be able to fully assess until the water level subside.

LOCAL ARRANGEMENTS

16. Updates to District/Local Contacts

Changes to Contacts:	**SOMERSET** Local Disaster Coordinator is Tony Jacobs [redacted] Ipswich Local Disaster Coordinator is Tony Trace [redacted]

Ipswich City Situation Report (SITREP)

Event: **January 2011**

FROM: Ipswich City Local Disaster Coordinator		TO: Ipswich City LDMG Ipswich and Somerset DDC
Date	**Time**	**Sitrep No.**
24 January 2011	**12.00pm**	**23**

1. WEATHER

Local observations:	**Forecast for Monday** Fine, light to moderate SE winds and an afternoon NE sea breeze. Max 32 **Tuesday** Fine. Min 19 Max 33 **Wednesday** Fine. Min 20 Max 35 **Thursday** Fine. Min 20 Max 32 **Friday** Fine Min 21 Max 31 **Saturday** Showers Min 20 Max 30 **Sunday** A few showers. Min 21 Max 28

2. Damage assessment Overview
(Include brief summary of key points)

SES – did 1800 tasks in the area in the last 6 days.

SOMERSET

- Information provided by Department of Communities indicate a total of 426 were impacted by the floods.
- Number of businesses have been impacted in Esk (approximately 14) and Lowood (approximately 4)

IPSWICH

Ipswich CC current estimate is that there are **8,773 properties** were impacted by flood waters. There are no houses in Ipswich currently inundated. QFRS have advised 1,000 houses had water in liveable areas, but this figure is being assessed as further data becomes available.

3. Significant Issues Summary
(Include those significant issues of interest to the QPS, Queensland Government and/or with potential for media interest)

SOMERSET

Recovery Centres have now opened in towns of Fernvale, Lowood and Esk. Evacuation centres have now all closed and all families re-housed.

IPSWICH

- Determining actual number of unhoused persons, as there is a large section of the community residing with friends and family.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to wing operation of evacuation centres.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House.
- Undertaking impact assessment inspections on identified residential, business and community assets.
- Land landslide Cunningham Highway at The Gap as of 1100 21/1/11. Currently road is closed in both directions.

DISTRICT REPORTS

4. Summary Of Past 24 Hours By DDMG / LDMG

(Include brief details of operations, visits, etc)

IPSWICH
Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes. Undertaking of Housing requirement assessments for evacuees.

QUU monitoring their assets – 14 pump stations are being restored as well as Bundamba & Goodna Treatment plant only at level 2 operational level.

No issues with water supply except for Marburg where QUU have issued water safety advice to residents to boil water before use as a precaution.

4. Projected Recovery activities / objectives
(Identify short term (up to 24 hours) and longer term (24 hours+) recovery activities and objectives, including anticipated re-supply requirements)

IPSWICH
QFRS Rapid Assessment and Fly over assessments have been finalized
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees.
Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 18,000 Tonnes have been disposed of.

FACTS AND STATISTICS

SOCIAL

5. Population

Deceased:	Male: Female: Total: Comment:	3 0 3 Jesse Joshua WICKMAN DOB 15/09/2006 Date of Event: 11/11/2011 @ 21:24hrs Location: Minden Cross Roads, Minden Robert Gregory BROMAGE (08/10/60) Date of Event: 12/01/2011 @ 2220hrs Location: Karabin-Rosewood Rd Karrabin Selwyn SCHEFE of Murphy's Creek Date of Event: 12/01/2011 @ 2301hrs Location: 1599 Brightview Rd Tarampa **Nil further reported deaths (3.00am 17/01/11).**
Injured:	Male: Female: Total: Comment:	Nil specific data has been captured by Queensland Health or provided by the Ipswich DDCC There have been reports of injuries that have been treated in Lowood and Esk, unable to establish exact numbers Report of woman with broken arm after fall – location unknown at this stage
Missing:	**Male:** **Female:** **Unknown:** **Total:** **Comment:**	0 0 0 0 0 outstanding jobs. 37 jobs have been referred to the Ipswich District since the commencement of the Ipswich DDC 11/01/11. All investigations have been carried out by staff from Ipswich CIB. Nil

		outstanding **SOMERSET** Nil confirmed, believe some may have been reported to QPS. There are a lot of incidents where people are unable to contact friends or relatives however, does not necessarily mean they are missing due to poor communications within the Region

6. Evacuations

Evacuation Centres activated (include location and commencement date):

Evacuation centres – All commenced 11/01/11

DIVISION	LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED
Lowood	Lowood High School	11/1/11	180	
Lowood	Lowood Bowls Club	11/1/11	80	
Lowood	Fernvale State School	11/1/11	20	
Lowood	Future Centre Fernvale	11/1/11	0	
Lowood	Coominya Hall	11/1/11	40	
Lowood	Mount Tarampa school	11/1/11	0	
Rosewood	Rosewood High School	11/1/11	80	
Esk	Esk State School	11/1/11	71	
Toogoolawah	RSL and Showgrounds	11/1/11	130	
Boonah	Outlook Training Resource Centre, Boonah	11/1/11	100	
Kilcoy	Memorial Hall	11/1/11	100	
Marburg	?	11/1/11	0	
Goodna Div	Riverview Community Centre	11/1/11	50	
Goodna Div	Redbank Evac Centre	11/1/11	60	
Ipswich Div	Boys Grammar	11/1/11	170	
Ipswich Div	Girls Grammar	11/1/11	200	
Ipswich Div	Showgrounds Salisbury Road, Ipswich	11/1/11	690	
Ipswich Div	St Josephs Nth Ipswich	11/1/11	140	
Goodna Div	Shiloh Goodna	11/1/11	70	
Goodna Div	Christian outreach Redbank Plains Rd Goodna	11/1/11	60	
Ipswich Div	Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	
Ipswich Div	Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	
Ipswich Div	Ipswich Golf Club	11/1/11	200	
Karana Downs	Karalee State School	11/1/11	370	

IPSWICH
Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (42 Sleeping)

SOMERSET
Evacuation Centres have all been closed, being replaced with Recovery Centres in various locations

Numbers registered at Centres (include progressive total, and current registrees):

IPSWICH

numbers are reducing as power is returned to unaffected areas.

Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without

	support, and directed to the Ipswich Show Grounds. Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 42 (sleeping) We also have a welfare distribution centre at Camira Community Centre which will be closed by 21/1/11 and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross and discussions are continuing to determine the close down date. This was planned for the Friday, 21 January 2011, however this has been extended. The District Community Recovery Committee are investigating options for their implementation. Possibility of using Salvation Army Store at 12 Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds. **SOMERSET** All families that were being housed at the evacuation centres have been re-housed.
Numbers staying in Centres (include progressive total and current number of persons previous night):	**42 @ Ipswich Showgrounds, in excess of 2200 initially dealt with at height of flood across 24 separate centres, exact figures still be collated at LDMG level**
Issues (include comments relating to public safety, support services and resources where applicable):	**IPSWICH** Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

7. Community Recovery Centres

Locations:	Recovery centres at Bremer TAFE and Wacol Park relocating to Goodna. Recovery Centres Esk and Fernvale. 6100 personal hardship payments made to residents of Ipswich – 2.4 million dollars up to 12pm Thursday 20/01/11. Relocate and rehouse people who have been displaced, currently liaising with Somerset and Ipswich City Council's . 119 Staff out in the field working at recovery centres. Red Cross, Lifeline and Mental Health Team from Ipswich Hospital are great support and assisting. **IPSWICH 20/1/11** Community Recovery Centres have been est. at the following locations: • Ipswich Showgrounds (#) • Bundamba TAFE • Karalee State School • Immaculate Heart Leichhardt • Wacol Park (#) – Closing down and relocating to Shiloh • Riverview Neighbourhood Centre • Shiloh Church Goodna • Rosewood Community Centre (#) Community Recovery Centres are operating at the following locations: · Ipswich Showgrounds · Bremer Institute of TAFE · The Park Centre for Mental Health Wacol (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) Community Recovery Centre outposts located at the following locations: · Karalee State School

	• Immaculate Heart Catholic Primary School Leichhardt (relocating to Ipswich Showgrounds from Friday 21 January) • Riverview Neighbourhood House (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) • Rosewood Community Centre • Gailes Community Hall • Shiloh Christian Church (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) • Goodna War Memorial (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) The Community Recovery Centres are the official advertised centres and the outposts are smaller centres that will relocate services to the larger ones when the need decreases or when the facility needs their space/rooms back. **SOMERSET** **Community Recovery Centres are operating at the following locations:** • Fernvale Futures Complex **Community Recovery Centre outposts located at the following locations:** • Lowood Neighbourhood Hub • Esk – CWA with support from Stepping Stones. An outpost service will operate mobile services to surrounding areas such Toogoolawah. • Kilcoy, Villeneuve, Harlin, Moore are currently being serviced by the North Coast Region of the Department of Communities
Opening hours:	0900 – 1700 **SOMERSET** • Esk 9am to 4pm 7 Days. 2 DOC Staff, 1 Lifeline Staff • Fernvale 9am to 4pm 7 Days. 3 DOC Staff, 3 Lifeline Staff, 3 Centrelink, 2 Dept Housing • Lowood 9am to 4pm 7 Days. 5 DOC Staff, 2 Lifeline Staff, 5 Centrelink
Numbers Utilising Centre:	Feeding approx 800 people within the centres.
Issues	Welfare distribution centre at Camira Community Centre closing 21/01/11 transferring to Lifeline. Close down strategy for all Ipswich centres by 21/01/11 **SOMERSET** Total Personal Hardship Grant applications up until 2.30pm 20 Jan 2011: Somerset Region 702 / $300K plus. There is a 20 person DOCS staff housing team in Fernvale and Lowood as of 20 Jan 2011. **IPSWICH** Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions. Department of Communities have had as at 12.00pm 19 Jan 2011 • 6100 application for Hardship – Totalling approximately $2.4 million. • 564 applications for Household grants • 215 application for Structural Assistance

8. Health

Public Health:	**Mobile Vaccination Clinics** - 4 mobile vaccination clinics deployed in SEQ. - 1 van stationed at Wulgara Street Goodna 0830 19/01/11

Mental Health:	Nil to report

INFRASTRUCTURE

9. Transport
(If roads, airstrips etc closed, include estimated time of opening)

Aviation:	Nil changes since previous reports Nil issues known, small private strips only
Rail:	opening line from Ebenezer to Fishermans Island. Line up and running on Tuesday afternoon and storm hit. Still issues as stations affected at Goodna and Ipswich. Qld Rail advise that the Rosewood to Brisbane line is now open
Road:	**IPSWICH 20/1/11** Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. State Roads Closed: - Cunningham Highway at The Gap closed both directions due to a major landslide Local Roads Closed: - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) Roads Closed due to Brisbane River Levels: - Mt Crosby Weir (under going structural assessment) Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas. Also, Level 2 Bridge Assessments are being undertaken on the City's network. **SOMERSET 21/1/11** Road Closures & Restrictions **Date: Thursday 20th January 2011, 8:00am**

ROAD DETAILS	STATUS
State Controlled Roads (Main Roads)	
Brisbane Valley Highway OPEN at Brisbane River at Fernvale, weight restriction of 15 T	Load Limit of 15T to apply until further notice.
Esk Hampton Road closed at Redbank Creek (bridge 3)	Bridge lost, closed for some time. Alternative access for people on Eastern side of bridge via detour to Hampton/Crows Nest.
Forest Hill Fernvale Road closed between Fernvale & Lowood	Further slip occurred Wednesday night 19th January.
Somerset Wivenhoe Road entire road closed	Structural & Pavement Damage. Roadtek crew opening road. Should be open early next week
Esk Kilcoy Road closed between "The spit" & Brokhurst Road also closed between Mt Beppo Road & Murrumba Road	Works Crews presently repairing from "The Spit & Brokhurst Road"
D'Aguilar Hwy – Closed at Blackbutt Range	Land Slide. Engineering Assessment in action. Work commenced on side track. Fragile situation.
Kilcoy Murgon Road closed at Jimna Range	Landslips being cleared. Expect to open to light traffic early next week.

Cunningham Hwy close at The Gap	Landslide reported 1100 21/1/11. Traffic crew has been dispatched to evaluate
Shire Roads	
Neurum Road closed between Villenueve Quarry & Villenueve Road	Pavement Failure
Mary Smokes Creek Road closed between Sandy Creek Road & D'Aguilar highway	Temporary Pavement Repairs progressing.
Sandy Creek Road OPEN at Huebners Bridge	Temporary crossing now constructed and road open.
McAuleys Lane OPEN at Jenkinson Bridge	Bridge Damaged. Temporary repairs completed.
Monsildale Road closed due to slips.	Engineering Assessment required.
Ten Mile Road closed due to slips.	Engineering Assessment required.
Gregors Creek Road closed at Brisbane River	Bridge Lost. Will be closed for some time.
Esk Crows Nest Road closed at Eskdale Ivory Creek Road	Structure damaged
Ivory Creek Road closed at Ivory Creek	
Patrick Estate Road – Open with Extreme Care	
Minden Village – Zabels Road North	
Tooloorum Road closed at Bridge	Bridge Damaged
Strassburgs Road	
Glenmaurie road at Maronghi Creek	Bridge Lost. Side Track to commence construction Friday. Energex assisting.
Mount Byron Road	
Mahon Road Closed due to land slide	
Russmussen Road Closed Forest Hill – Fernvale Road	Lost Concrete Crossing

Marine:

Mt Crosby Weir – structural issue of Weir – unsure of extent at this time (Brisbane City Council engineers conducting ongoing operations).

IPSWICH
Moggill Ferry out of service for unknown timeframes at this time.

Other:

IPSWICH
Infrastructure Recovery:
All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note:

- approx 420 Energex customers still affected, ie not able to reconnect until electrical certification. Energex have pulled fuses on inundated houses and waiting on electrical certification to reconnect. The main effort now is in reconnection once Form 2's are completed by electrician.
- Rosewood to Brisbane Rail line has been reopened with one line as of 20/01/11.
- Moggill Ferry is not operating (issue is that the winch is till under water).
- Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 14 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage.
- Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.

SOMERSET

- Properties west of Harlin accessible by 4wd over weekend.
- West of Esk Hampton Road – no issues. Road subject to repair by Main Roads. Access made to the west.
- Wivenhoe Pocket, East of Brisbane River down stream of dam – isolated due to dam releases. Dam release temporarily stopped so temporary access permitted.
- Northern end of Somerset – ongoing support due to local road issues. Currently under repair. Limited access.

	• All local council roads except for Esk – Hampton Road is a State Controlled Road. • Use of helicopter today to access areas isolated. Main roads gave all clear to open bridge. 15 tonne load limit on bridge only open for 12 hours. Temporary work to be conducted on bridge. • Waste collection – domestic service not provided. Ipswich Waste Services are providing services to the area. • Flood debris waste – waiting confirmation from ADF if and when will be in Somerset. Haven't received confirmation. • Water/sewerage – Lowood plant was operating, however land slip has taken out supply again. Currently under repair. Unknown how long. All other services working. • Clean up in Fernvale. Clarendon, Wivenhoe Pocket, Prenzlau • 32 river crossings in Mt Stanley area damaged and needs repair. Limited access only. • Fernvale Telstra Mobile towers now restored and fully functional.

10. Structures

Including:

- *No. of residences with water over the floorboard (affected living areas)*
- *No. of residences with water under the house (not affecting living areas)*
- *No. of properties with water entering yards but not affecting residences*
- *No. of public buildings with water affecting ability to function*
- *No. of businesses with water affecting ability to functian*

		Accumulative total (where applicable):
Residences (includes individual apartments and flats):	Somerset • Damage assessment of the Somerset region being undertaken by SES and QFRS/Rural Fire over 8 sections of all properties, with section 8 first priority including: • 97 SES civilian volunteers to Fernvale area (over 100 house) • 20 Moreton Bay SES to Fernvale area • 40 Gold Coast, Scenic Rim and Ipswich SES to Lowood • 10 Esk SES with flood boat from Scenic Rim. • Rural Fire Service has 5 trucks at Fernvale and 12 trucks at Lowood. • SES tasked to assist cleaning houses (as at 10:00 16/01/11): ➢ Lowood 5 to clean out ➢ Fernvale have 30 to clean ➢ Esk Outskirts 200 ➢ Finalised :Esk finalised • 85 public houses affected - 47 now relocated or back in house. • 38 homes not habitable. (5 under repair and 30 are not habitable). • Options currently under consideration. Public awareness sessions commenced. **IPSWICH** Estimate: **766** Urban streets were impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Buildings – 7,221 Misc – 114 Pools – 501 Sheds - 4504 QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in liveable areas. • QFRS identified 700-1000 houses plus streets.	

	• Karalee area NAVY doing doorknocking checking on people and reporting back to LDMG. Business Impact assessment under way. • Sewerage treatment plant back on line. • Water is fine – Exception cloudy coloured water at Karalee taps. (Will be rectified Friday 21). Public Housing issues – keeping Showgrounds open as main evacuation centre **SOMERSET** Residences - Number houses as reported from DCS (426 total) Businesses - 22 (Esk 16, Lowood 6)	
Properties (not including properties on which residences or businesses are affected):	Moderate flooding through Esk council office ,Esk Library and Arts Centre. **SOMERSET** • Moderate flooding through Esk council office with damage to carpets, furniture and other items • Major damage to the Esk Library and Arts Centre with many books destroyed. • Fernvale Indoor Sports Centre significantly damaged. Structurally OK. • Council Works Depot flooded, Damage to equipment and furniture. • Visitor Information Centre, damaged carpets , furniture and electrical. • Damage to Lowood Enterprise Centre	
Roads, streets, highways etc:	Reference Section 9. Infrastructure	
Businesses:	**IPSWICH 20/1/11** Ipswich –Approximately 271 businesses affected. Up to date figures to be provided evening 18/1/11. Somerset – exact numbers to be sourced. QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going. **SOMERSET 21/1/11** 18 Business affected **Somerset** <u>Stores/Shops:</u> • Most shops/outlets are receiving irregular delivery of some supplies from distributors. • Local shopping outlets open (but with limited fresh foods) include: – IGA Lowood (receiving delivery of groceries Mon) – Woolworths Fernvale – IGA Toogoolawah (receiving delivery of groceries Mon) – IGA Kilcoy, Bakeries and service stations are self stocking. Bakeries have bread for the weekend, with more flour expected on Monday. 2 loaves per family maximum.	
Council:	Specific data yet to be provided by LDMGs.	
Government Offices:	To be fully assessed when flood waters recede.	

Schools:	School holidays at present.
	• **Education Qld**
	  • Ipswich State High, commence Monday/.
	  • Brassall State School – running for Monday and Year 7's over to Ipswich High School.
	  • Bundamba State School – limited capacity.
	  • East Ipswich – Commence Monday.
	  • Lowood School – Commence Monday.
	
	SOMERSET
	Reports that Patrick Estate School may have received some damage.	

Hospitals:	Ipswich Hospital operational. Esk Hospital operational.	
Dams:	Wivenhoe and Somerset dams – no issues.	

11. Services

Communications *(If communications out, include estimated time of reconnection)*	
Telephone Network:	**Ipswich** Nil issues. **Somerset** • Voices services from the Jimna exchange are down (suspected transmission fault, Telstra unable to reach due to 'Red Zone no-go status') • Moore, Mt Stanley and Minden which are running on generators. • All other exchanges operational **SOMERSET** Landline services: • Voice services to Lowood & Minden were restored approx 1pm 16/01/11 (Lowood's primary fibre optic transmission link is broken approx 1.5k south, and the backup link via the Minden exchange failed when the exchange battery backup was depleted as mains power still is not available. Telstra technicians installed backup generator to restore services to both Minden & Lowood) • Voices services from the Jimna exchange are down (suspected transmission fault, however Telstra not able to reach due to 'Red Zone no-go status') • All other exchanges are operational, however some localised faults do exist for outlying areas with damaged infrastructure • Mains power has been restored to all exchanges except for Moore, Mt Stanley and Minden are running on generators.

Mobile Telephone Network:	• Telstra reports mobile base stations experiencing issues (that may affect surrounding areas):
	  ➢ Lowood (no service due to power outage)
	  ➢ Ironbark (GSM mobile coverage only)
	• Optus no outages, local issues possible.
	• Vodafone no significant outages local issues possible.
	
	Mobile towers Fernvale now restored.
	Targeting High Business Zones for urgent repairs. Biggest fault areas Ipswich 108, and Goodna 75
	
	SOMERSET
	All towers back online and all services restored

Radio (2-way):	QPS radio working . **SOMERSET** Nil issues known

Broadcast Radio / TV:	Nil issues. **SOMERSET** Nil issues known
Power *(If power out, include estimated time of reconnection)*	
Mains power:	Ipswich area now back to house by house inspections/reconnections with electricians. Using helicopters for arranging poles to be flown to hard access areas. Power restored to all areas possible a this time. At 1.00pm on 20/01/2011 Energex advise customers currently affected by power outages: Brisbane Valley 160 Ipswich & Surroundings Areas:- 420 **Ipswich** Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 140 crews currently in the Western region. Now doing fatigue management with crews. Priority for Polar Ice Factory at Lobb Street, Churchill to get power. **Somerset** Electrical Infrastructure: Powerlink is onsite repairing three damaged 275,000 volt transmission towers (2 at Moore, 1 at Mount England-Splityard Creek). The transmission lines supply suburbs of greater Brisbane (from Tarong Power Stations to the South Pine distributor) and are still operational. Approximately 20 ENERGEX crews and contractors are continuing work in the area on repairs to the network where access to sites is available. The main 11kV line from Wivenhoe substation to Fernvale has been damaged at the river and is currently in accessible for repair work. Staff are investigating options to re-build the overhead mains across the river today, however work may not be completed until later this week. However supply cannot be reconnected to premises which have suffered water damage until the customer's electrical contractor has tested and cleared the premise for re-connection. **Gas Pipeline:** • APA Group has performed aerial inspections of the Roma Brisbane pipeline and have not found any issues within the Somerset Region. However, as parts of the pipeline are submerged around Wivenhoe/Brisbane River, there may be undiscovered damage or issues. **IPSWICH** Customers currently affected in Ipswich & Surroundings Areas is approximately 24. **SOMERSET** Mains Power Outages (Source: Energex 20/01/11 at 1242) Update for Brisbane Valley Region: Approximately 35 ENERGEX crews and contractors are continuing work in the area on repairs to the network where access to sites is available. **Fernvale** The main 11kV line from Wivenhoe substation to Fernvale has now been restored at the river near Fernvale Bridge.

	Some sections of 11kV network around England Creek are damaged. 8 transformers are isolated near the gravel plant (primarily feeding irrigation loads) and we are looking at building a new line to restore power over the next 2 to 3 days. ENERGEX are looking into providing impacted customers with small generators. ENERGEX now have access to Wivenhoe Pocket and restoration works have commenced. ENERGEX expect to have supply gradually restored to customers over the next 2 to 3 days. **Moore, Linville, Harlin** Supply has been restored to the majority of ENERGEX's high voltage network in this area. ENERGEX crews are progressively restoring the remaining sections of network as access becomes available. Having difficulty in gaining access past Crossing no1(near Gerry Ryan's property) on Linville Mt Stanley Road. ENERGEX are aware of the faults having assessed by helicopter and is looking at access via other means. Aiming to have supply restored over the next 2 to 3 days. **Kipper Creek** Majority of network is restored, with one transformer to be reinstated. **O'Reillys Weir** A number of transformers are isolated, consisting mainly of irrigation loads. Access is by foot and expect restoration to be completed over the next 2 days to restore power to houses. Further works are required to reinstate supply to a number of irrigation pumps. **Borallon** A number of customers are isolated and there is significant damage to ENERGEX assets. ENERGEX has made contact with many of the residents and dispatched generators by helicopter to those impacted. Repair works have been scoped and ENERGEX are looking at restoration of supply to customers over the next 2 days. Washouts along the pipeline within the Somerset Regional Council have been reported and Transmission Operations Technicians are attending to repairs. (received 18 January 2011 at 10:57am)
Auxiliary power:	• FERNVALE - Approximately 96 % restored 19/01/11 12.26pm by: ➢ 2 x 1000KVA 11kV generators (Aspera Crt & Fernvale Town) ➢ 2 x 500KVA LV generators (Woolworths). Significant progress on network repairs to enable further supply to be restored to customers is not expected until sometime on Monday.
Public Transport	
	See section 11 for details of Rail Services.
Water	
	• **Water supply** Functioning as normal. Some main breaks still to be addressed but they do not impact on supply. • Bottled water collection points: ➢ Fernvale Futures Complex and Information Centre ➢ Minden State School, Somerset Water Infrastructure: • The 2 submersible pumps used at Lowood Water Treatment Plant were destroyed on 11/01/11, with the backup above-ground pump currently under water and not operational • Temporary bulk-water pump was brought online at 5am 15/01/11 to supply Lowood WTP, with the plant supplying treated water to the western side from approx 12:00 15/01/11 • QUU advised mains supply water to Fernvale, Lowood & Minden were being scoured (as at 4:20pm 15/01/11) and would have clean water by the evening of

15/01/11.

- A 50m section of the water distribution network between Lowood and Tarampa has been damaged, with no ETR, however as this is a loop main all residences at Tarampa should now have water.

SOMERSET
Email Received 8.40am

The 200mm main feeding the Fernvale reservoir was broken during a landslip after recent storm activity.

The Fernvale reservoir is currently unable to be filled. As at 6:30am the level in Fernvale reservoir was 5% (100kL, ~ 1 days supply)

6 customers are without supply due to isolation of the main during repairs. The remaining customers in Fernvale are receiving supply.

Repairs to the main allowing Fernvale reservoir to be re-filled were completed at 1000 hrs 21/1/11

UPDATE 5.30pm Thursday 20/1/11

Somerset Regional Council area
Water:

- Qld Health has requested extra monitoring of all 26 towns on Lowood scheme. Sampling continues with increased chlorine application.
- Lowood Water Treatment Plant in operation. Reservoir levels are: Lowood 1 - 84%, Lowood 2 – 28%, Lowood 3 – 93%, Fernvale 1- 26%, Western 80%.
- Advice was received from Seqwater at 2.40pm – river level at Lowood was expected to rise and Seqwater wanted to stop the temporary pump from 4pm to 10pm.
- Lowood temporary pump running – monitoring river level – Seqwater will notify EMT if required to move.
- Extra crews have been arranged on standby as a contingency plan for the water supply to the affected Lockyer Valley and Somerset areas.
- Water samples have been collected for testing.
- Toogoolawah depot accessible but severely damaged.
- Bottled supplies still available.

Wastewater:

- Esk/Lowood sewerage pumping station 90% operational - diesel pumps being used.
- Fernvale WRP access still flooded, plant is ok. Staff flown in by helicopter has investigated. WRP is capable of stage 1 sewerage treatment. Balance of system to be checked in time.
- Request submitted to Somerset LDCC to repair access road to Fernvale WRP.
- Esk WRP expected to be operational by Saturday, 22 January. Inlet pump station being repaired – portable diesel pump being used.
- One sewerage pumping station remains down.
- Esk WRP some treatment achieved and expected to be operational by 22/1/11.
- Tankers being arranged for sewerage pumping stations. Electricals being dried out and failed equipment being replaced.
- Road repair crew to Banks Creek Rd Fernvale on 21/1/11 – notifying QUU when completed.

SOMERSET WASTEWATER ASSETS STATUS
Sitrep

UPDATE 5.30pm Thursday 20/1/11

WRP Status

WATER RECLAMATION PLANT	CURRENT STATUS
Esk WRP	Operational using Diesel Pumps
Fernvale WRP	Operational
Lowood WRP	Operational using Diesel Pumps
Kilcoy WRP	Operational
Toogoolawah WRP	Operational

Pump Station Status

PUMP STATION	LOCATION	OPERATIONAL	POWER	PREVIOUSLY FLOODED
PROSPECT ST 1	Lowood			
PROSPECT ST 2	Lowood			
BRAY ST	Lowood			
DANIEL ST	Lowood			
JAMES ST	Lowood			
MACADAMIA	Lowood			
MAIN ST	Lowood			
FERNVALE 1	Fernvale			Y
Schmidt Rd	Fernvale			Y
LINDEMANS RD	Lowood			Y
FOREST HILL FERNVALE RD	Lowood			Y
TOOGOOLAWAH 1	Toogoolawah			
TOOGOOLAWAH 2	Toogoolawah			
TOOGOOLAWAH 3	Toogoolawah			
TOOGOOLAWAH 4	Toogoolawah			
TOOGOOLAWAH 5	Toogoolawah			Y
KILCOY 1	Kilcoy			
KILCOY 2	Kilcoy			
KILCOY 3	Kilcoy			
KILCOY 4	Kilcoy			
KILCOY 5	Kilcoy			
KILCOY 6	Kilcoy			
ESK 1	Esk			
FERNVALE 2	Fernvale			Y
FERNVALE 2	Fernvale			Y

Sewerage

Ipswich

- QUU monitoring their assets- no issues at the moment with water supply- visu inspections of assets once water recedes.

	• 14 Pump stations not operating at this point in time – use trucks to move waste to appropriate facilities. • Bundamba and Goodna Treatment plant are only operating at level 1. **Somerset** • Toogoolawah STP and network Operational Esk STP and PS Diesel pump used to pump from wet well to head of plant. Some treatment achieved. Normal operation should be achieved by 21/01/11. Site clean up needs to be assessed for outflow of raw sewage into creek. Lowood STP and PS's Diesel pump used to pump from wet well to head of plant. Some treatment achieved. Normal operation should be achieved by 21/01/11. NO7 Pump Station Lowood SP467 Lindemans Road not operational (overflows into gravity sewer system). Fernvale STP No access. QUU officers were flown into site on 17/01/11 to assess. • NO1 Pump station SP397 Banks Creek Road is not operational. Site clean up needs to be assessed for outflow of raw sewage into creek. NO3 Pump station SP399 Schmidt Road is still to be checked by QUU officers. Site clean up needs to be assessed for outflow of raw sewage into drainage. • Potential public health issue being investigated by EHO's regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants, and on-site residential sewerage facilities (e.g. septic tanks) overflowing or non-operational due to power outages. <u>Wastewater Infrastructure:</u> • Verbal advise by QUU of the public health issue regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants. Advice received that <u>no public health threat</u> as releases are in areas of non habitation and final release is in Brisbane River which dilutes the effects of the sewage. • Council preparing media release regarding servicing/checking on-site residential sewerage facilities. All sewerage spills are being reported through QUU and where relevant are being forwarded on to DERM
Rubbish	• 19/01/11 meeting with Wanless regarding Esk and surrounds pick up. (Ipswich waste services contracted for the Esk and surrounds (excluding Linville, Colinton and Moore). • Wanless to resume normal servicing by 24/01/11 (excluding flooded areas). • Fernvale, Lowood and surrounds kerbside cleanup (Zanos contractors).

	Ipswich Waste Services are back to BAU services to the community.

ECONOMIC

12. INDUSTRY

Sector:	**IPSWICH** **Economic Recovery:** Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development. • Undertaking impact assessment of both Urban and Rural businesses. • TRADE SHORTAGES - Working with B105 in Brisbane & Triple M in Sydney, as they have volunteer trades people in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here. • Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment. • Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts
Finance:	Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available. • Undertaking impact assessment of both Urban and Rural businesses.

ENVIRONMENT

15. Environmental Impact

IPSWICH

Environmental Recovery

In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 12500 tonnes of debris transferred to landfill sites, from the following areas of operation;

⇒ Goodna 80% completed
⇒ Karalee 95% (ADF will be moving from this area to North Booval)
⇒ North Booval 75%
⇒ East Ipswich / Basin Pocket 90%
⇒ One Mile / Brassall 95%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 95%

The 1st pass of debris removal is complete , except for North Booval and the 2nd pass is planned to be completed by 28 January 2011..

To date a total of 18,000 tonnes have been taken to landfill. Bulk Asbestos pick ups have been done from two sites.

Council is also undertaking the pumping out of the septic tanks in various locations, commencing in Karalee and Bundamba.

Vector Control will commence within the next couple of days.

Assessment of impacts on river banks and drainage assets are being undertaken over the next week.

Assessment of impacts to our Parks and recreational areas are also being undertaken.

SOMERSET
Extensive damage to the environment has occurred, will not be able to fully assess until the water level subside.

LOCAL ARRANGEMENTS

16. Updates to District/Local Contacts

Changes to Contacts:	**SOMERSET** Local Disaster Coordinator is Tony Jacobs [redacted] Ipswich Local Disaster Coordinator is Tony Trace [redacted]

Ipswich City Situation Report (SITREP)

Event: **January 2011**

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
24 January 2011	3.30pm	24

1. WEATHER

Local observations:	Forecast for Monday Fine, light to moderate SE winds and an afternoon NE sea breeze. Max 32 **Tuesday** Fine. Min 19 Max 33 **Wednesday** Fine. Min 20 Max 35 **Thursday** Fine. Min 20 Max 32 **Friday** Fine Min 21 Max 31 **Saturday** Showers Min 20 Max 30 **Sunday** A few showers. Min 21 Max 28

2. Damage assessment Overview

(Include brief summary of key points)

SES – did 1800 tasks in the area in the last 6 days.

SOMERSET

- Information provided by Department of Communities indicate a total of 426 were impacted by the floods.
- Number of businesses have been impacted in Esk (approximately 14) and Lowood (approximately 4)

IPSWICH

Ipswich CC current estimate is that there are **8,773 properties** were impacted by flood waters. There are no houses in Ipswich currently inundated. QFRS have advised 1,000 houses had water in liveable areas, but this figure is being assessed as further data becomes available.

3. Significant Issues Summary

(Include those significant issues of interest to the QPS, Queensland Government and/or with potential for media interest)

SOMERSET

Recovery Centres have now opened in towns of Fernvale, Lowood and Esk. Evacuation centres have now all closed and all families re-housed.

IPSWICH

- Determining actual number of unhoused persons, as there is a large section of the community residing with friends and family.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to cease operation of the remaining evacuation centre.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House. Mains power has been restored to all properties. Only inundated areas to be reconnected to power.
- Undertaking impact assessment inspections on identified residential, business and community assets.
- Land landslide Cunningham Highway at The Gap as of 1100 21/1/11. Currently road is closed in both directions.

DISTRICT REPORTS

4. Summary Of Past 24 Hours By DDMG / LDMG

(Include brief details of operations, visits, etc)

IPSWICH
Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes. Undertaking of Housing requirement assessments for evacuees.

QUU monitoring their assets – 14 pump stations are being restored as well as Bundamba & Goodna Treatment plant only at level 1 operational level.

No issues with water supply except for Marburg where QUU have issued water safety advice to residents to boil water before use as a precaution.

4. Projected Recovery activities / objectives
(Identify short term (up to 24 hours) and longer term (24 hours+) recovery activities and objectives, including anticipated re-supply requirements)

IPSWICH
QFRS Rapid Assessment and Fly over assessments have been finalized
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees.
Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 18,000 Tonnes have been disposed of.

FACTS AND STATISTICS

SOCIAL

5. Population

Deceased:	Male: Female: Total: Comment:	3 0 3 Jesse Joshua WICKMAN DOB 15/09/2006 Date of Event: 11/11/2011 @ 21:24hrs Location: Minden Cross Roads, Minden Robert Gregory BROMAGE (08/10/60) Date of Event: 12/01/2011 @ 2220hrs Location: Karabin-Rosewood Rd Karrabin Selwyn SCHEFE of Murphy's Creek Date of Event: 12/01/2011 @ 2301hrs Location: 1599 Brightview Rd Tarampa **Nil further reported deaths (3.00am 17/01/11).**
Injured:	Male: Female: Total: Comment:	Nil specific data has been captured by Queensland Health or provided by the Ipswich DDCC There have been reports of injuries that have been treated in Lowood and Esk, unable to establish exact numbers Report of woman with broken arm at Ferrial – location unknown at this stage
Missing:	Male: Female: Unknown: Total: Comment:	0 0 0 0 0 outstanding jobs. 37 jobs have been referred to the Ipswich District since the commencement of the Ipswich DDC 11/01/11. All investigations have been carried out by staff from Ipswich CIB. Nil

	outstanding **SOMERSET** Nil confirmed, believe some may have been reported to QPS. There are a lot of incidents where people are unable to contact friends or relatives however, does not necessarily mean they are missing due to poor communications within the Region

6. Evacuations

Evacuation Centres activated (include location and commencement date):

Evacuation centres – All commenced 11/01/11

DIVISION	LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED
Lowood	Lowood High School	11/1/11	180	
Lowood	Lowood Bowls Club	11/1/11	80	
Lowood	Fernvale State School	11/1/11	20	
Lowood	Future Centre Fernvale	11/1/11	0	
Lowood	Coominya Hall	11/1/11	40	
Lowood	Mount Tarampa school	11/1/11	0	
Rosewood	Rosewood High School	11/1/11	80	
Esk	Esk State School	11/1/11	71	
Toogoolawah	RSL and Showgrounds	11/1/11	130	
Boonah	Outlook Training Resource Centre, Boonah	11/1/11	100	
Kilcoy	Memorial Hall	11/1/11	100	
Marburg	?	11/1/11	0	
Goodna Div	Riverview Community Centre	11/1/11	50	
Goodna Div	Redbank Evac Centre	11/1/11	60	
Ipswich Div	Boys Grammar	11/1/11	170	
Ipswich Div	Girls Grammar	11/1/11	200	
Ipswich Div	Showgrounds Salisbury Road, Ipswich	11/1/11	690	
Ipswich Div	St Josephs Nth Ipswich	11/1/11	140	
Goodna Div	Shiloh Goodna	11/1/11	70	
Goodna Div	Christian outreach Redbank Plains Rd Goodna	11/1/11	60	
Ipswich Div	Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	
Ipswich Div	Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	
Ipswich Div	Ipswich Golf Club	11/1/11	200	
Karana Downs	Karalee State School	11/1/11	370	

IPSWICH
Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (42 Sleeping)

SOMERSET
Evacuation Centres have all been closed, being replaced with Recovery Centres in various locations

Numbers registered at Centres (include progressive total, and current registrees):

IPSWICH

numbers are reducing as power is returned to unaffected areas.

Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without

	support, and directed to the Ipswich Show Grounds. Evacuation Centre's still in operation ⇒ Ipswich Show Grounds – 42 (sleeping) We also have a welfare distribution centre at Camira Community Centre which will be closed by 21/1/11 and items transferred to Lifeline. 'Close out' strategies are being put in place with Centre Managers and Red Cross and discussions are continuing to determine the close down date. This was planned for the Friday, 21 January 2011, however this has been extended. The District Community Recovery Committee are investigating options for their implementation. Possibility of using Salvation Army Store at 12 Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds. **SOMERSET** All families that were being housed at the evacuation centres have been re-housed.
Numbers staying in Centres (include progressive total and current number of persons previous night):	**42 @ Ipswich Showgrounds, in excess of 2200 initially dealt with at height of flood across 24 separate centres, exact figures still be collated at LDMG level**
Issues (include comments relating to public safety, support services and resources where applicable):	**IPSWICH** Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

7. Community Recovery Centres

Locations:	Recovery centres at Bremer TAFE and Wacol Park relocating to Goodna. Recovery Centres Esk and Fernvale. Number of grants paid and value of grants paid (Emergent Assistance Grants) to 24 January 2011 for Ipswich are: • Total number of Emergent Assistance Grants paid to date: 6778 • Total value of Emergent Assistance Grants paid to date: $2,684,140 Applications lodged for Essential Household Contents Grants and Structural Assistance Grants: • Total number of Essential Household Contents Grants lodged to date: 1292 • Total number of Structural Assistance Grants lodged to date: 471 Relocate and rehouse people who have been displaced, currently liaising with Somerset and Ipswich City Council's . 119 Staff out in the field working at recovery centres. Red Cross, Lifeline and Mental Health Team from Ipswich Hospital are great support and assisting. Community Recovery Centres are operating at the following locations: • Ipswich Showgrounds • Bremer Institute of TAFE • The Park Centre for Mental Health Wacol (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) Community Recovery Centre outposts located at the following locations: • Karalee State School • Immaculate Heart Catholic Primary School Leichhardt (relocating to Ipswich Showgrounds from Friday 21 January) • Riverview Neighbourhood House (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) • Rosewood Community Centre • Gailes Community Hall • Shiloh Christian Church (relocating to Max Employment Office Queen Street Goodna from

	Friday 21 January) • Goodna War Memorial (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) The Community Recovery Centres are the official advertised centres and the outposts are smaller centres that will relocate services to the larger ones when the need decreases or when the facility needs their space/rooms back. **SOMERSET** **Community Recovery Centres are operating at the following locations:** • Fernvale Futures Complex **Community Recovery Centre outposts located at the following locations:** • Lowood Neighbourhood Hub • Esk – CWA with support from Stepping Stones. An outpost service will operate mobile services to surrounding areas such Toogoolawah. • Kilcoy, Villeneuve, Harlin, Moore are currently being serviced by the North Coast Region of the Department of Communities
Opening hours:	0900 – 1700 **SOMERSET** • Esk 9am to 4pm 7 Days. 2 DOC Staff, 1 Lifeline Staff • Fernvale 9am to 4pm 7 Days. 3 DOC Staff, 3 Lifeline Staff, 3 Centrelink, 2 Dept Housing • Lowood 9am to 4pm 7 Days. 5 DOC Staff, 2 Lifeline Staff, 5 Centrelink
Numbers Utilising Centre:	Feeding approx 800 people within the centres.
Issues	Welfare distribution centre at Camira Community Centre closing 21/01/11 transferring to Lifeline. Close down strategy for all Ipswich centres by 28/01/11 **SOMERSET** Total Personal Hardship Grant applications up until 2.30pm 20 Jan 2011: Somerset Region 702 / $300K plus. There is a 20 person DOCS staff housing team in Fernvale and Lowood as of 20 Jan 2011. **IPSWICH** Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions. Department of Communities have had as at 12.00pm 19 Jan 2011 • 6100 application for Hardship – Totalling approximately $2.4 million. • 564 applications for Household grants • 215 application for Structural Assistance

8. Health

Public Health:	<u>Mobile Vaccination Clinics</u> - 4 mobile vaccination clinics deployed in SEQ. - 1 van stationed at Wulgara Street Goodna 0830 19/01/11
Mental Health:	Nil to report

INFRASTRUCTURE

9. Transport

(If roads, airstrips etc closed, include estimated time of opening)

Aviation:	Nil changes since previous reports Nil issues known, small private strips only
Rail:	opening line from Ebenezer to Fishermans Island. Line up and running on Tuesday afternoon and storm hit. Still issues as stations affected at Goodna and Ipswich. Qld Rail advise that the Rosewood to Brisbane line is now open
Road:	**IPSWICH 20/1/11** Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. State Roads Closed: - Cunningham Highway at The Gap closed both directions due to a major landslide Local Roads Closed: - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) Roads Closed due to Brisbane River Levels: - Mt Crosby Weir (under going structural assessment) Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas. Also, Level 2 Bridge Assessments are being undertaken on the City's network.

SOMERSET 21/1/11

Road Closures & Restrictions

Date: Thursday 20th January 2011, 8:00am

ROAD DETAILS	STATUS
State Controlled Roads (Main Roads)	
Brisbane Valley Highway OPEN at Brisbane River at Fernvale, weight restriction of 15 T	Load Limit of 15T to apply until further notice.
Esk Hampton Road closed at Redbank Creek (bridge 3)	Bridge lost, closed for some time. Alternative access for people on Eastern side of bridge via detour to Hampton/Crows Nest.
Forest Hill Fernvale Road closed between Fernvale & Lowood	Further slip occurred Wednesday night 19th January.
Somerset Wivenhoe Road entire road closed	Structural & Pavement Damage. Roadtek crew opening road. Should be open early next week
Esk Kilcoy Road closed between "The spit" & Brokhurst Road also closed between Mt Beppo Road & Murrumba Road	Works Crews presently repairing from "The Spit & Brokhurst Road"
D'Aguilar Hwy – Closed at Blackbutt Range	Land Slide. Engineering Assessment in action. Work commenced on side track. Fragile situation.
Kilcoy Murgon Road closed at Jimna Range	Landslips being cleared. Expect to open to light traffic early next week.
Cunningham Hwy close at The Gap	Landslide reported 1100 21/1/11. Traffic crew has been dispatched to evaluate
Shire Roads	
Neurum Road closed between Villenueve Quarry & Villenueve Road	Pavement Failure
Mary Smokes Creek Road closed between	Temporary Pavement Repairs progressing.

	Sandy Creek Road & D'Aguilar highway	
	Sandy Creek Road OPEN at Huebners Bridge	Temporary crossing now constructed and road open.
	McAuleys Lane OPEN at Jenkinson Bridge	Bridge Damaged. Temporary repairs completed.
	Monsildale Road closed due to slips.	Engineering Assessment required.
	Ten Mile Road closed due to slips.	Engineering Assessment required.
	Gregors Creek Road closed at Brisbane River	Bridge Lost. Will be closed for some time.
	Esk Crows Nest Road closed at Eskdale Ivory Creek Road	Structure damaged
	Ivory Creek Road closed at Ivory Creek	
	Patrick Estate Road – Open with Extreme Care	
	Minden Village – Zabels Road North	
	Tooloorum Road closed at Bridge	Bridge Damaged
	Strassburgs Road	
	Glenmaurie road at Maronghi Creek	Bridge Lost. Side Track to commence construction Friday. Energex assisting.
	Mount Byron Road	
	Mahon Road Closed due to land slide	
	Russmussen Road Closed Forest Hill – Fernvale Road	Lost Concrete Crossing

Marine:

Mt Crosby Weir – structural issue of Weir – unsure of extent at this time (Brisbane City Council engineers conducting ongoing operations). Work has commenced to reinstate the scour. Planned to be completed by COB 25/01/11.

IPSWICH
Moggill Ferry out of service for unknown timeframes at this time.

Other:

IPSWICH
Infrastructure Recovery:
All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note:

- All Mains supply has been reinstated and only the inundated properties are without power until an electrical certification is forwarded onto Energex, then power will be reinstated.. Energex have pulled fuses on inundated houses and waiting on electrical certification to reconnect. The main effort now is in reconnection once Form 2's are completed by electrician.
- Rosewood to Brisbane Rail line has been reopened with one line as of 20/01/11.
- Moggill Ferry is not operating (issue is that the winch is till under water).
- Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 14 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage.
- Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.

SOMERSET

- Properties west of Harlin accessible by 4wd over weekend.
- West of Esk Hampton Road – no issues. Road subject to repair by Main Roads. Access made to the west.
- Wivenhoe Pocket, East of Brisbane River down stream of dam – Isolated due to dam releases. Dam release temporarily stopped so temporary access permitted.
- Northern end of Somerset – ongoing support due to local road issues. Currently under repair. Limited access.
- All local council roads except for Esk – Hampton Road is a State Controlled Road.
- Use of helicopter today to access areas isolated. Main roads gave all clear to open bridge. 15 tonne load limit on bridge only open for 12 hours. Temporary work to be conducted on bridge.
- Waste collection – domestic service not provided. Ipswich Waste Services are providing

	services to the area. • Flood debris waste – waiting confirmation from ADF if and when will be in Somerset. Haven't received confirmation. • Water/sewerage – Lowood plant was operating, however land slip has taken out supply again. Currently under repair. Unknown how long. All other services working. • Clean up in Fernvale. Clarendon, Wivenhoe Pocket, Prenzlau • 32 river crossings in Mt Stanley area damaged and needs repair. Limited access only. • Fernvale Telstra Mobile towers now restored and fully functional.

10. Structures

Including:

- *No. of residences with water over the floorboard (affected living areas)*
- *No. of residences with water under the house (not affecting living areas)*
- *No. of properties with water entering yards but not affecting residences*
- *No. of public buildings with water affecting ability to function*
- *No. of businesses with water affecting ability to function*

		Accumulative total (where applicable):
Residences (includes individual apartments and flats):	Somerset • Damage assessment of the Somerset region being undertaken by SES and QFRS/Rural Fire over 8 sections of all properties, with section 8 first priority including: • 97 SES civilian volunteers to Fernvale area (over 100 house) • 20 Moreton Bay SES to Fernvale area • 40 Gold Coast, Scenic Rim and Ipswich SES to Lowood • 10 Esk SES with flood boat from Scenic Rim. • Rural Fire Service has 5 trucks at Fernvale and 12 trucks at Lowood. • SES tasked to assist cleaning houses (as at 10:00 16/01/11): ➢ Lowood 5 to clean out ➢ Fernvale have 30 to clean ➢ Esk Outskirts 200 ➢ Finalised :Esk finalised • 85 public houses affected - 47 now relocated or back in house. • 38 homes not habitable. (5 under repair and 30 are not habitable). • Options currently under consideration. Public awareness sessions commenced. **IPSWICH** Estimate: **766** Urban streets were impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Buildings – 7,221 Misc – 114 Pools – 501 Sheds - 4504 QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in liveable areas. • QFRS identified 700-1000 houses plus streets. • Karalee area NAVY doing doorknocking checking on people and reporting back to LDMG. Business impact assessment under way. • Sewerage treatment plant back on line. • Water is fine – Exception cloudy coloured water at Karalee taps. (Will be rectified Friday 21).	

	Public Housing issues – keeping Showgrounds open as main evacuation centre **SOMERSET** Residences - Number houses as reported from DCS (426 total) Businesses - 22 (Esk 16, Lowood 6)	
Properties (not including properties on which residences or businesses are affected):	Moderate flooding through Esk council office ,Esk Library and Arts Centre. **SOMERSET** • Moderate flooding through Esk council office with damage to carpets, furniture and other items • Major damage to the Esk Library and Arts Centre with many books destroyed. • Fernvale Indoor Sports Centre significantly damaged. Structurally OK. • Council Works Depot flooded, Damage to equipment and furniture. • Visitor Information Centre, damaged carpets , furniture and electrical. • Damage to Lowood Enterprise Centre	
Roads, streets, highways etc:	Reference Section 9. Infrastructure	
Businesses:	**IPSWICH 20/1/11** Ipswich –Approximately 1000 businesses affected. EHO's have undertaken assessments of 655 businesses to date. Somerset – exact numbers to be sourced. QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going. **SOMERSET 21/1/11** 18 Business affected **Somerset** <u>Stores/Shops:</u> • Most shops/outlets are receiving irregular delivery of some supplies from distributors. • Local shopping outlets open (but with limited fresh foods) include: - IGA Lowood (receiving delivery of groceries Mon) - Woolworths Fernvale - IGA Toogoolawah (receiving delivery of groceries Mon) - IGA Kilcoy, Bakeries and service stations are self stocking. Bakeries have bread for the weekend, with more flour expected on Monday. 2 loaves per family maximum.	
Council:	Specific data yet to be provided by LDMGs.	
Government Offices:	To be fully assessed when flood waters recede.	
Schools:	School holidays at present. • <u>Education Qld</u> • Ipswich State High, commence Monday/. • Brassall State School – running for Monday and Year 7's over to Ipswich High School.	

	• Bundamba State School – limited capacity. • East Ipswich – Commence Monday. • Lowood School – Commence Monday. **SOMERSET** Reports that Patrick Estate School may have received some damage.	
Hospitals:	Ipswich Hospital operational. Esk Hospital operational.	
Dams:	Wivenhoe and Somerset dams – no issues.	

11. Services

Communications *(If communications out, include estimated time of reconnection)*	
Telephone Network:	**Ipswich** Nil issues. **Somerset** • Voices services from the Jimna exchange are down (suspected transmission fault, Telstra unable to reach due to 'Red Zone no-go status') • Moore, Mt Stanley **and Minden** which are running on generators. • All other exchanges operational **SOMERSET** Landline services: • Voice services to Lowood & Minden were restored approx 1pm 16/01/11 (Lowood's primary fibre optic transmission link is broken approx 1.5k south, and the backup link via the Minden exchange failed when the exchange battery backup was depleted as mains power still is not available. Telstra technicians installed backup generator to restore services to both Minden & Lowood) • Voices services from the Jimna exchange are down (suspected transmission fault, however Telstra not able to reach due to 'Red Zone no-go status') • All other exchanges are operational, however some localised faults do exist for outlying areas with damaged infrastructure • Mains power has been restored to all exchanges except for Moore, Mt Stanley and Minden are running on generators.
Mobile Telephone Network:	• Telstra reports mobile base stations experiencing issues (that may affect surrounding areas): ➢ Lowood (no service due to power outage) ➢ Ironbark (GSM mobile coverage only) • Optus no outages, local issues possible. • Vodafone no significant outages local issues possible. Mobile towers Fernvale now restored. Targeting High Business Zones for urgent repairs. Biggest fault areas Ipswich 108, and Goodna 75 **SOMERSET** All towers back online and all services restored
Radio (2-way):	QPS radio working . **SOMERSET** Nil issues known
Broadcast Radio / TV:	Nil issues. **SOMERSET** Nil issues known

Power	
(If power out, include estimated time of reconnection)	
Mains power:	Ipswich area now back to house by house inspections/reconnections with electricians. Using helicopters for arranging poles to be flown to hard access areas. Power restored to all areas possible a this time. At 1.00pm on 20/01/2011 Energex advise customers currently affected by power outages: Brisbane Valley 160 Ipswich & Surroundings Areas:- 420 **Ipswich** Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 140 crews currently in the Western region. Now doing fatigue management with crews. Priority for Polar Ice Factory at Lobb Street, Churchill to get power. **Somerset** Electrical Infrastructure: Powerlink is onsite repairing three damaged 275,000 volt transmission towers (2 at Moore, 1 at Mount England-Splityard Creek). The transmission lines supply suburbs of greater Brisbane (from Tarong Power Stations to the South Pine distributor) and are still operational. Approximately 20 ENERGEX crews and contractors are continuing work in the area on repairs to the network where access to sites is available. The main 11kV line from Wivenhoe substation to Fernvale has been damaged at the river and is currently in accessible for repair work. Staff are investigating options to re-build the overhead mains across the river today, however work may not be completed until later this week. However supply cannot be reconnected to premises which have suffered water damage until the customer's electrical contractor has tested and cleared the premise for re-connection. <u>Gas Pipeline:</u> • APA Group has performed aerial inspections of the Roma Brisbane pipeline and have not found any issues within the Somerset Region. However, as parts of the pipeline are submerged around Wivenhoe/Brisbane River, there may be undiscovered damage or issues. **IPSWICH** Customers currently affected in Ipswich & Surroundings Areas is approximately 24. **SOMERSET** <u>Mains Power Outages</u> (Source: Energex 20/01/11 at 1242) Update for Brisbane Valley Region: Approximately 35 ENERGEX crews and contractors are continuing work in the area on repairs to the network where access to sites is available. <u>Fernvale</u> The main 11kV line from Wivenhoe substation to Fernvale has now been restored at the river near Fernvale Bridge. Some sections of 11kV network around England Creek are damaged. 8 transformers are isolated near the gravel plant (primarily feeding irrigation loads) and we are looking at building a new line to restore power over the next 2 to 3 days. ENERGEX are looking into providing impacted customers with small generators.

	ENERGEX now have access to Wivenhoe Pocket and restoration works have commenced. ENERGEX expect to have supply gradually restored to customers over the next 2 to 3 days. **Moore, Linville, Harlin** Supply has been restored to the majority of ENERGEX's high voltage network in this area. ENERGEX crews are progressively restoring the remaining sections of network as access becomes available. Having difficulty in gaining access past Crossing no1(near Gerry Ryan's property) on Linville Mt Stanley Road. ENERGEX are aware of the faults having assessed by helicopter and is looking at access via other means. Aiming to have supply restored over the next 2 to 3 days. **Kipper Creek** Majority of network is restored, with one transformer to be reinstated. **O'Reillys Weir** A number of transformers are isolated, consisting mainly of irrigation loads. Access is by foot and expect restoration to be completed over the next 2 days to restore power to houses. Further works are required to reinstate supply to a number of irrigation pumps. **Borallon** A number of customers are isolated and there is significant damage to ENERGEX assets. ENERGEX has made contact with many of the residents and dispatched generators by helicopter to those impacted. Repair works have been scoped and ENERGEX are looking at restoration of supply to customers over the next 2 days. Washouts along the pipeline within the Somerset Regional Council have been reported and Transmission Operations Technicians are attending to repairs. (received 18 January 2011 at 10:57am)
Auxiliary power:	• FERNVALE - Approximately 96 % restored 19/01/11 12.26pm by: ➢ 2 x 1000KVA 11kV generators (Aspera Crt & Fernvale Town) ➢ 2 x 500KVA LV generators (Woolworths). Significant progress on network repairs to enable further supply to be restored to customers is not expected until sometime on Monday.
Public Transport	
	See section 11 for details of Rail Services.
Water	
	• **Water supply** Functioning as normal. Some main breaks still to be addressed but they do not impact on supply. • Bottled water collection points: ➢ Fernvale Futures Complex and Information Centre ➢ Minden State School, Somerset Water Infrastructure: • The 2 submersible pumps used at Lowood Water Treatment Plant were destroyed on 11/01/11, with the backup above-ground pump currently under water and not operational • Temporary bulk-water pump was brought online at 5am 15/01/11 to supply Lowood WTP, with the plant supplying treated water to the western side from approx 12:00 15/01/11 • QUU advised mains supply water to Fernvale, Lowood & Minden were being scoured (as at 4:20pm 15/01/11) and would have clean water by the evening of 15/01/11. • A 50m section of the water distribution network between Lowood and Tarampa has been damaged, with no ETR, however as this is a loop main all residences at Tarampa should now have water.

SOMERSET
Email Received 8.40am

The 200mm main feeding the Fernvale reservoir was broken during a landslip after recent storm activity.

The Fernvale reservoir is currently unable to be filled. As at 6:30am the level in Fernvale reservoir was 5% (100kL, ~ 1 days supply)

6 customers are without supply due to isolation of the main during repairs. The remaining customers in Fernvale are receiving supply.

Repairs to the main allowing Fernvale reservoir to be re-filled were completed at 1000 hrs 21/1/11

UPDATE 5.30pm Thursday 20/1/11

Somerset Regional Council area
Water:

- Qld Health has requested extra monitoring of all 26 towns on Lowood scheme. Sampling continues with increased chlorine application.
- Lowood Water Treatment Plant in operation. Reservoir levels are: Lowood 1 - 84%, Lowood 2 – 28%, Lowood 3 – 93%, Fernvale 1- 26%, Western 80%.
- Advice was received from Seqwater at 2.40pm – river level at Lowood was expected to rise and Seqwater wanted to stop the temporary pump from 4pm to 10pm.
- Lowood temporary pump running – monitoring river level – Seqwater will notify EMT if required to move.
- Extra crews have been arranged on standby as a contingency plan for the water supply to the affected Lockyer Valley and Somerset areas.
- Water samples have been collected for testing.
- Toogoolawah depot accessible but severely damaged.
- Bottled supplies still available.

Wastewater:

- Esk/Lowood sewerage pumping station 90% operational - diesel pumps being used.
- Fernvale WRP access still flooded, plant is ok. Staff flown in by helicopter has investigated. WRP is capable of stage 1 sewerage treatment. Balance of system to be checked in time.
- Request submitted to Somerset LDCC to repair access road to Fernvale WRP.
- Esk WRP expected to be operational by Saturday, 22 January. Inlet pump station being repaired – portable diesel pump being used.
- One sewerage pumping station remains down.
- Esk WRP some treatment achieved and expected to be operational by 22/1/11.
- Tankers being arranged for sewerage pumping stations. Electricals being dried out and failed equipment being replaced.
- Road repair crew to Banks Creek Rd Fernvale on 21/1/11 – notifying QUU when completed.

SOMERSET WASTEWATER ASSETS STATUS
Sitrep
UPDATE 5.30pm Thursday 20/1/11

WRP Status

ICC.005.1782

WATER RECLAMATION PLANT	CURRENT STATUS
Esk WRP	Operational using Diesel Pumps
Fernvale WRP	Operational
Lowood WRP	Operational using Diesel Pumps
Kilcoy WRP	Operational
Toogoolawah WRP	Operational

Pump Station Status

PUMP STATION	LOCATION	OPERATIONAL	POWER	PREVIOUSLY FLOODED
PROSPECT ST 1	Lowood			
PROSPECT ST 2	Lowood			
BRAY ST	Lowood			
DANIEL ST	Lowood			
JAMES ST	Lowood			
MACADAMIA	Lowood			
MAIN ST	Lowood			
FERNVALE 1	Fernvale			
Schmidt Rd	Fernvale			
LINDEMANS RD	Lowood			
FOREST HILL FERNVALE RD	Lowood			
TOOGOOLAWAH 1	Toogoolawah			
TOOGOOLAWAH 2	Toogoolawah			
TOOGOOLAWAH 3	Toogoolawah			
TOOGOOLAWAH 4	Toogoolawah			
TOOGOOLAWAH 5	Toogoolawah			
KILCOY 1	Kilcoy			
KILCOY 2	Kilcoy			
KILCOY 3	Kilcoy			
KILCOY 4	Kilcoy			
KILCOY 5	Kilcoy			
KILCOY 6	Kilcoy			
ESK 1	Esk			
FERNVALE 2	Fernvale			
FERNVALE 2	Fernvale			

Sewerage

Ipswich

- QUU monitoring their assets- no issues at the moment with water supply- visual inspections of assets once water recedes.
- 14 Pump stations not operating at this point in time – use trucks to move waste to appropriate facilities.
- Bundamba and Goodna Treatment plant are only operating at level 1. May take up to 3 months to be fully operational at level 3.

	Somerset • Toogoolawah STP and network Operational Esk STP and PS Diesel pump used to pump from wet well to head of plant. Some treatment achieved. Normal operation should be achieved by 21/01/11. Site clean up needs to be assessed for outflow of raw sewage into creek. Lowood STP and PS's Diesel pump used to pump from wet well to head of plant. Some treatment achieved. Normal operation should be achieved by 21/01/11. NO7 Pump Station Lowood SP467 Lindemans Road not operational (overflows into gravity sewer system). Fernvale STP No access. QUU officers were flown into site on 17/01/11 to assess. • NO1 Pump station SP397 Banks Creek Road is not operational. Site clean up needs to be assessed for outflow of raw sewage into creek. NO3 Pump station SP399 Schmidt Road is still to be checked by QUU officers. Site clean up needs to be assessed for outflow of raw sewage into drainage. • Potential public health issue being investigated by EHO's regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants, and on-site residential sewerage facilities (e.g. septic tanks) overflowing or non-operational due to power outages. <u>Wastewater Infrastructure:</u> • Verbal advise by QUU of the public health issue regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants. Advice received that <u>no public health threat</u> as releases are in areas of non habitation and final release is in Brisbane River which dilutes the effects of the sewage. • Council preparing media release regarding servicing/checking on-site residential sewerage facilities. All sewerage spills are being reported through QUU and where relevant are being forwarded on to DERM
Rubbish	• 19/01/11 meeting with Wanless regarding Esk and surrounds pick up. (Ipswich waste services contracted for the Esk and surrounds (excluding Linville, Colinton and Moore). • Wanless to resume normal servicing by 24/01/11 (excluding flooded areas). • Fernvale, Lowood and surrounds kerbside cleanup (Zanos contractors). Ipswich Waste Services are back to BAU services to the community.

ECONOMIC

12. INDUSTRY

Sector:	**IPSWICH** **Economic Recovery:** Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development. • Undertaking impact assessment of both Urban and Rural businesses. • TRADE SHORTAGES - Working with B105 in Brisbane & Triple M in Sydney, as they have volunteer trades people in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here. • Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment. • Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts • Temporary Business centres are bing established in the CBD and others will follow as facilities are identified citywide.
Finance:	Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available. • Undertaking impact assessment of both Urban and Rural businesses.

ENVIRONMENT

15. Environmental Impact

IPSWICH

Environmental Recovery

In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 12500 tonnes of debris transferred to landfill sites, from the following areas of operation;

⇒ Goodna 80% completed
⇒ Karalee 95% (ADF will be moving from this area to North Booval)
⇒ North Booval 75%
⇒ East Ipswich / Basin Pocket 90%
⇒ One Mile / Brassall 95%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 95%

The 1st pass of debris removal is complete , except for North Booval and the 2nd pass is planned to be completed by 28 January 2011..

To date a total of 18,000 tonnes have been taken to landfill. Bulk Asbestos pick ups have been done from two sites.

Council is also undertaking the pumping out of the septic tanks in various locations, commencing in Karalee and Bundamba, Thagoona. To date 17,000 litres have been transferred..

Vector Control commenced on Sunday 23/01/11 and targeting 30key sites across Ipswich and this is planned to be completed by 28/01/11.

Assessment of impacts on river banks and drainage assets are being undertaken over the next week.

Assessment of impacts to our Parks and recreational areas are also being undertaken.

- Cases of illegal dumping are starting to emerge and enforcement activities have commenced.

- Uncleared unoccupied houses have been identified, which may cause health issues. Steps are being taken to address this issue. (To date 12 properties have been identified)

- Environmental issue identified at Turley Street in relation to petroleum products. This issue is being addressed.

SOMERSET
Extensive damage to the environment has occurred, will not be able to fully assess until the water level subside.

LOCAL ARRANGEMENTS

16. Updates to District/Local Contacts

Changes to Contacts:	**SOMERSET** Local Disaster Coordinator is Tony Jacobs [redacted] Ipswich Local Disaster Coordinator is Tony Trace [redacted]

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
25 January 2011	10.00am	25

1. WEATHER

Local observations:	**Ipswich** **Forecast for Tuesday** Fine. Light to moderate E to NE winds. Precis: Fine Max 33 UV Alert from 7:50 am to 4:10 pm, UV Index predicted to reach 14 [Extreme] **Wednesday** Fine Min 20 Max 33 **Thursday** Fine Min 20 Max 33 **Friday** Fine Min 21 Max 36 **Saturday** A shower or two Min 22 Max 30 **Sunday** A few showers Min 21 Max 29 **Monday** A shower or two Min 20 Max 31

2. Damage assessment Overview
(Include brief summary of key points)

IPSWICH
Ipswich CC current estimate is that there are **8,773 properties** were impacted by flood waters. There are no houses in Ipswich currently inundated. QFRS have advised 1,000 houses had water in liveable areas, but this figure is being assessed as further data becomes available.

3. Significant Issues Summary
(Include those significant issues of interest to the QPS, Queensland Government and/or with potential for media interest)

IPSWICH
- Determining actual number of unhoused persons, as there is a large section of the community residing with friends and family.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to cease operation of the remaining evacuation centre.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House. Mains power has been restored to all properties. Only inundated areas to be reconnected to power.
- Undertaking impact assessment inspections on identified residential, business and community assets.

DISTRICT REPORTS

4. Summary Of Past 24 Hours By DDMG / LDMG
(Include brief details of operations, visits, etc)

IPSWICH
Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes. Undertaking of Housing requirement assessments for evacuees.

QUU monitoring their assets – 11 pump stations are being restored as well as Bundamba & Goodna Treatment plant only at stage 1 treatment.

No issues with water supply except for Marburg where QUU have issued water safety advice to residents to boil water before use

ICC.005.1754

as a precaution.

4. Projected Recovery activities / objectives
(Identify short term (up to 24 hours) and longer term (24 hours+) recovery activities and objectives, including anticipated re-supply requirements)

IPSWICH
QFRS Rapid Assessment and Fly over assessments have been finalized
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees.
Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 18,000 Tonnes have been disposed of.

FACTS AND STATISTICS

SOCIAL

5. Population

Deceased:	Male: Female: Total: Comment:	3 0 3 Jesse Joshua WICKMAN DOB 15/09/2006 Date of Event: 11/11/2011 @ 21:24hrs Location: Minden Cross Roads, Minden Robert Gregory BROMAGE (08/10/60) Date of Event: 12/01/2011 @ 2220hrs Location: Karabin-Rosewood Rd Karrabin Selwyn SCHEFE of Murphy's Creek Date of Event: 12/01/2011 @ 2301hrs Location: 1599 Brightview Rd Tarampa **Nil further reported deaths (3.00am 17/01/11).**
Injured:	Male: Female: Total: Comment:	Nil specific data has been captured by Queensland Health or provided by the Ipswich DDCC There have been reports of injuries that have been treated in Lowood and Esk, unable to establish exact numbers Report of woman with broken arm after fall – location unknown at this stage
Missing:	**Male:** **Female:** **Unknown:** **Total:** **Comment:**	0 0 0 0 0 outstanding jobs. 37 jobs have been referred to the Ipswich District since the commencement of the Ipswich DDC 11/01/11. All investigations have been carried out by staff from Ipswich CIB. Nil outstanding **SOMERSET** Nil confirmed, believe some may have been reported to QPS. There are a lot of incidents where people are unable to contact friends or relatives however, does not necessarily mean they are missing due to poor communications within the Region

6. Evacuations

Evacuation Centres activated (include location and commencement date):

Evacuation centres – All commenced 11/01/11

DIVISION	LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED Sleeping/feeding
Lowood	Lowood High School	11/1/11	180	-
Lowood	Lowood Bowls Club	11/1/11	80	-
Lowood	Fernvale State School	11/1/11	20	-
Lowood	Future Centre Fernvale	11/1/11	0	-
Lowood	Coominya Hall	11/1/11	40	-
Lowood	Mount Tarampa school	11/1/11	0	-
Rosewood	Rosewood High School	11/1/11	80	-
Esk	Esk State School	11/1/11	71	-
Toogoolawah	RSL and Showgrounds	11/1/11	130	-
Boonah	Outlook Training Resource Centre, Boonah	11/1/11	100	-
Kilcoy	Memorial Hall	11/1/11	100	-
Marburg	?	11/1/11	0	
Goodna Div	Riverview Community Centre	11/1/11	50	
Goodna Div	Redbank Evac Centre	11/1/11	60	
Ipswich Div	Boys Grammar	11/1/11	170	
Ipswich Div	Girls Grammar	11/1/11	200	
Ipswich Div	Showgrounds Salisbury Road, Ipswich	11/1/11	690	
Ipswich Div	St Josephs Nth Ipswich	11/1/11	140	
Goodna Div	Shiloh Goodna	11/1/11	70	
Goodna Div	Christian outreach Redbank Plains Rd Goodna	11/1/11	60	
Ipswich Div	Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	
Ipswich Div	Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	
Ipswich Div	Ipswich Golf Club	11/1/11	200	
Karana Downs	Karalee State School	11/1/11	370	-

IPSWICH
Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (42 Sleeping)

Numbers registered at Centres (include progressive total, and current registrees):

IPSWICH

numbers are reducing as power is returned to unaffected areas.

Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds.

Evacuation Centre's still in operation

⇒ Ipswich Show Grounds – 42 (sleeping)

We also have a welfare distribution centre at Camira Community Centre which will be closed by 21/1/11 and items transferred to Lifeline.

'Close out' strategies are being put in place with Centre Managers and Red Cross and discussions are continuing to determine the close down date. This was planned for the Friday, 21 January

	2011, however this has been extended. The District Community Recovery Committee are investigating options for their implementation. Possibility of using Salvation Army Store at 12 Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.
Numbers staying in Centres (include progressive total and current number of persons previous night):	42 @ Ipswich Showgrounds, in excess of 2200 initially dealt with at height of flood across 24 separate centres, exact figures still be collated at LDMG level
Issues (include comments relating to public safety, support services and resources where applicable):	**IPSWICH** Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

7. Community Recovery Centres

Locations:	Recovery centres at Bremer TAFE and Wacol Park relocating to Goodna. Recovery Centres Esk and Fernvale. Number of grants paid and value of grants paid (Emergent Assistance Grants) to 24 January 2011 for Ipswich are: • Total number of Emergent Assistance Grants paid to date: 6778 • Total value of Emergent Assistance Grants paid to date: $2,684,140 Applications lodged for Essential Household Contents Grants and Structural Assistance Grants: • Total number of Essential Household Contents Grants lodged to date: 1292 • Total number of Structural Assistance Grants lodged to date: 471 Relocate and rehouse people who have been displaced, currently liaising with Somerset and Ipswich City Council's . 119 Staff out in the field working at recovery centres. Red Cross, Lifeline and Mental Health Team from Ipswich Hospital are great support and assisting. Community Recovery Centres are operating at the following locations: . Ipswich Showgrounds . Bremer Institute of TAFE . The Park Centre for Mental Health Wacol (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) Community Recovery Centre outposts located at the following locations: . Karalee State School . Immaculate Heart Catholic Primary School Leichhardt (relocating to Ipswich Showgrounds from Friday 21 January) . Riverview Neighbourhood House (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) . Rosewood Community Centre . Gailes Community Hall . Shiloh Christian Church (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) . Goodna War Memorial (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) The Community Recovery Centres are the official advertised centres and the outposts are smaller centres that will relocate services to the larger ones when the need decreases or when the facility needs their space/rooms back. **SOMERSET** **Community Recovery Centres are operating at the following locations:**

	• Fernvale Futures Complex **Community Recovery Centre outposts located at the following locations:** • Lowood Neighbourhood Hub • Esk – CWA with support from Stepping Stones. An outpost service will operate mobile services to surrounding areas such Toogoolawah. • Kilcoy, Villeneuve, Harlin, Moore are currently being serviced by the North Coast Region of the Department of Communities
Opening hours:	0900 – 1700 **SOMERSET** • Esk 9am to 4pm 7 Days. 2 DOC Staff, 1 Lifeline Staff • Fernvale 9am to 4pm 7 Days. 3 DOC Staff, 3 Lifeline Staff, 3 Centrelink, 2 Dept Housing • Lowood 9am to 4pm 7 Days. 5 DOC Staff, 2 Lifeline Staff, 5 Centrelink
Numbers Utilising Centre:	Feeding approx 800 people within the centres.
Issues	Welfare distribution centre at Camira Community Centre closing 21/01/11 transferring to Lifeline. Close down strategy for all Ipswich centres by 28/01/11 **SOMERSET** Total Personal Hardship Grant applications up until 2.30pm 20 Jan 2011: Somerset Region 702 / $300K plus. There is a 20 person DOCS staff housing team in Fernvale and Lowood as of 20 Jan 2011. **IPSWICH** Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions. Department of Communities have had as at 12.00pm 19 Jan 2011 • 6100 application for Hardship – Totalling approximately $2.4 million. • 564 applications for Household grants • 215 application for Structural Assistance

8. Health

Public Health:	**Mobile Vaccination Clinics** - 4 mobile vaccination clinics deployed in SEQ. - 1 van stationed at Wulgara Street Goodna 0830 19/01/11
Mental Health:	Nil to report

INFRASTRUCTURE

9. Transport
(If roads, airstrips etc closed, include estimated time of opening)

Aviation:	Nil changes since previous reports Nil issues known, small private strips only
Rail:	opening line from Ebenezer to Fishermans Island. Line up and running on Tuesday afternoon and storm hit. Still issues as stations affected at Goodna and Ipswich.

	Qld Rail advise that the Rosewood to Brisbane line is now open
Road:	**IPSWICH 20/1/11** Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. State Roads Closed: - Cunningham Highway at The Gap closed both directions due to a major landslide Local Roads Closed: - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) Roads Closed due to Brisbane River Levels: - Mt Crosby Weir (under going structural assessment) Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas. Also, Level 2 Bridge Assessments are being undertaken on the City's network.
Marine:	Mt Crosby Weir – structural issue of Weir – unsure of extent at this time (Brisbane City Council engineers conducting ongoing operations). Work has commenced to reinstate the scour. Planned to be completed by COB 25/01/11. **IPSWICH** Moggill Ferry out of service for unknown timeframes at this time.
Other:	**IPSWICH** **Infrastructure Recovery:** All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note: • All Mains supply has been reinstated and only the inundated properties are without power until an electrical certification is forwarded onto Energex, then power will be reinstated.. Energex have pulled fuses on inundated houses and waiting on electrical certification to reconnect. The main effort now is in reconnection once Form 2's are completed by electrician. • Rosewood to Brisbane Rail line has been reopened with one line as of 20/01/11. • Moggill Ferry is not operating (issue is that the winch is till under water). • Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 11 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage. • Inspection programs are being planned to review the items highlighted from our modellin to determine actual level of impact from the event.

10. Structures

Including:

- *No. of residences with water over the floorboard (affected living areas)*
- *No. of residences with water under the house (not affecting living areas)*
- *No. of properties with water entering yards but not affecting residences*
- *No. of public buildings with water affecting ability to function*
- *No. of businesses with water affecting ability to function*

		Accumulative total (where applicable):
Residences (includes individual apartments and flats):	**IPSWICH** Estimate: **766** Urban streets were impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Buildings – 7,221 Misc – 114	

	Pools – 501 Sheds - 4504 QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in liveable areas. • QFRS identified 700-1000 houses plus streets. • Karalee area NAVY doing doorknocking checking on people and reporting back to LDMG. Business Impact assessment under way. • Sewerage treatment plant back on line. • Water is fine – Exception cloudy coloured water at Karalee taps. (Will be rectified Friday 21). Public Housing issues – keeping Showgrounds open as main evacuation centre **SOMERSET** Residences - Number houses as reported from DCS (426 total) Businesses - 22 (Esk 16, Lowood 6)	
Properties (not including properties on which residences or businesses are affected):	Moderate flooding through Esk council office ,Esk Library and Arts Centre. **SOMERSET** • Moderate flooding through Esk council office with damage to carpets, furniture and other items • Major damage to the Esk Library and Arts Centre with many books destroyed. • Fernvale Indoor Sports Centre significantly damaged. Structurally OK. • Council Works Depot flooded, Damage to equipment and furniture. • Visitor Information Centre, damaged carpets , furniture and electrical. • Damage to Lowood Enterprise Centre	
Roads, streets, highways etc:	Reference Section 9. Infrastructure	
Businesses:	**IPSWICH 25/1/11** Ipswich –Approximately 1000 businesses affected. EHO's have undertaken assessments of 655 businesses to date. Somerset – exact numbers to be sourced. QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going. **SOMERSET 21/1/11** 18 Business affected **Somerset** <u>Stores/Shops:</u> • Most shops/outlets are receiving irregular delivery of some supplies from distributors. • Local shopping outlets open (but with limited fresh foods) include: – IGA Lowood (receiving delivery of groceries Mon) – Woolworths Fernvale – IGA Toogoolawah (receiving delivery of groceries Mon) – IGA Kilcoy, Bakeries and service stations are self stocking. Bakeries have bread for the weekend, with	

	more flour expected on Monday. 2 loaves per family maximum.	
Council:	Specific data yet to be provided by LDMGs.	
Government Offices:	To be fully assessed when flood waters recede.	

Schools:	School holidays at present.
	• **Education Qld**
	  • Ipswich State High, commence Monday/.
	  • Brassall State School – running for Monday and Year 7's over to Ipswich High School.
	  • Bundamba State School – limited capacity.
	  • East Ipswich – Commence Monday.
	  • Lowood School – Commence Monday.
	
	SOMERSET
	Reports that Patrick Estate School may have received some damage.	

Hospitals:	Ipswich Hospital operational. Esk Hospital operational.	
Dams:	Wivenhoe and Somerset dams – no issues.	

11. Services

Communications *(If communications out, include estimated time of reconnection)*	
Telephone Network:	**Ipswich** Nil issues. **Somerset** • Voices services from the Jimna exchange are down (suspected transmission fault, Telstra unable to reach due to 'Red Zone no-go status') • Moore, Mt Stanley and Minden which are running on generators. • All other exchanges operational **SOMERSET** Landline services: • Voice services to Lowood & Minden were restored approx 1pm 16/01/11 (Lowood's prima • fibre optic transmission link is broken approx 1.5k south, and the backup link via the Minden exchange failed when the exchange battery backup was depleted as mains power still is not available. Telstra technicians installed backup generator to restore services to both Minden & Lowood) • Voices services from the Jimna exchange are down (suspected transmission fault, however Telstra not able to reach due to 'Red Zone no-go status') • All other exchanges are operational, however some localised faults do exist for outlying areas with damaged infrastructure • Mains power has been restored to all exchanges except for Moore, Mt Stanley and Minden are running on generators.

Mobile Telephone Network:	• Telstra reports mobile base stations experiencing issues (that may affect surrounding areas):
	  ➢ Lowood (no service due to power outage)
	  ➢ Ironbark (GSM mobile coverage only)
	• Optus no outages, local issues possible.
	• Vodafone no significant outages local issues possible.
	
	Mobile towers Fernvale now restored.
	Targeting High Business Zones for urgent repairs. Biggest fault areas Ipswich 108, and Goodna 75

	SOMERSET All towers back online and all services restored
Radio (2-way):	QPS radio working . SOMERSET Nil issues known
Broadcast Radio / TV:	Nil issues. SOMERSET Nil issues known
Power *(If power out, include estimated time of reconnection)*	
Mains power:	Ipswich area now back to house by house inspections/reconnections with electricians. Using helicopters for arranging poles to be flown to hard access areas. Power restored to all areas possible a this time. At 1.00pm on 24/01/2011 Energex advise customers currently affected by power outages: Ipswich & Surroundings Areas:- 0 **Ipswich** Energex currently assessing the safety of switching power back on to unaffected areas. Issues raised around timing of power return to unaffected areas. 140 crews currently in the Western region. Now doing fatigue management with crews. **Somerset** Electrical Infrastructure: Powerlink is onsite repairing three damaged 275,000 volt transmission towers (2 at Moore, 1 at Mount England-Splityard Creek). The transmission lines supply suburbs of greater Brisbane (from Tarong Power Stations to the South Pine distributor) and are still operational. Approximately 20 ENERGEX crews and contractors are continuing work in the area on repairs to the network where access to sites is available. The main 11kV line from Wivenhoe substation to Fernvale has been damaged at the river and is currently in accessible for repair work. Staff are investigating options to re-build the overhead mains across the river today, however work may not be completed until later this week. However supply cannot be reconnected to premises which have suffered water damage until the customer's electrical contractor has tested and cleared the premise for re-connection. **Gas Pipeline:** • APA Group has performed aerial inspections of the Roma Brisbane pipeline and have not found any issues within the Somerset Region. However, as parts of the pipeline are submerged around Wivenhoe/Brisbane River, there may be undiscovered damage or issues. **IPSWICH** Customers currently affected in Ipswich & Surroundings Areas is approximately 24. **SOMERSET** Mains Power Outages (Source: Energex 20/01/11 at 1242) Update for Brisbane Valley Region: Approximately 35 ENERGEX crews and contractors are continuing work in the area on repairs to

	the network where access to sites is available. **Fernvale** The main 11kV line from Wivenhoe substation to Fernvale has now been restored at the river near Fernvale Bridge. Some sections of 11kV network around England Creek are damaged. 8 transformers are isolated near the gravel plant (primarily feeding irrigation loads) and we are looking at building a new line to restore power over the next 2 to 3 days. ENERGEX are looking into providing impacted customers with small generators. ENERGEX now have access to Wivenhoe Pocket and restoration works have commenced. ENERGEX expect to have supply gradually restored to customers over the next 2 to 3 days. **Moore, Linville, Harlin** Supply has been restored to the majority of ENERGEX's high voltage network in this area. ENERGEX crews are progressively restoring the remaining sections of network as access becomes available. Having difficulty in gaining access past Crossing no1(near Gerry Ryan's property) on Linville Mt Stanley Road. ENERGEX are aware of the faults having assessed by helicopter and is looking at access via other means. Aiming to have supply restored over the next 2 to 3 days. **Kipper Creek** Majority of network is restored, with one transformer to be reinstated. **O'Reillys Weir** A number of transformers are isolated, consisting mainly of irrigation loads. Access is by foot and expect restoration to be completed over the next 2 days to restore power to houses. Further works are required to reinstate supply to a number of irrigation pumps. **Borallon** A number of customers are isolated and there is significant damage to ENERGEX assets. ENERGEX has made contact with many of the residents and dispatched generators by helicopter to those impacted. Repair works have been scoped and ENERGEX are looking at restoration of supply to customers over the next 2 days. Washouts along the pipeline within the Somerset Regional Council have been reported and Transmission Operations Technicians are attending to repairs. (received 18 January 2011 at 10:57am)
Auxiliary power:	• FERNVALE - Approximately 96 % restored 19/01/11 12.26pm by: ➢ 2 x 1000KVA 11kV generators (Aspera Crt & Fernvale Town) ➢ 2 x 500KVA LV generators (Woolworths). Significant progress on network repairs to enable further supply to be restored to customers is not expected until sometime on Monday.
Public Transport	
	See section 11 for details of Rail Services.
Water	
	• **Water supply** Functioning as normal. Some main breaks still to be addressed but they do not impact on supply. • Bottled water collection points: ➢ Fernvale Futures Complex and Information Centre ➢ Minden State School, Somerset Water Infrastructure: • The 2 submersible pumps used at Lowood Water Treatment Plant were destroyed on 11/01/11, with the backup above-ground pump currently under water and not operational

- Temporary bulk-water pump was brought online at 5am 15/01/11 to supply Lowood WTP, with the plant supplying treated water to the western side from approx 12:00 15/01/11
- QUU advised mains supply water to Fernvale, Lowood & Minden were being scoured (as at 4:20pm 15/01/11) and would have clean water by the evening of 15/01/11.
- A 50m section of the water distribution network between Lowood and Tarampa has been damaged, with no ETR, however as this is a loop main all residences at Tarampa should now have water.

SOMERSET
Email Received 8.40am

The 200mm main feeding the Fernvale reservoir was broken during a landslip after recent storm activity.

The Fernvale reservoir is currently unable to be filled. As at 6:30am the level in Fernvale reservoir was 5% (100kL, ~ 1 days supply)

6 customers are without supply due to isolation of the main during repairs. The remaining customers in Fernvale are receiving supply.

Repairs to the main allowing Fernvale reservoir to be re-filled were completed at 1000 hrs 21/1/11

UPDATE 5.30pm Thursday 20/1/11

Somerset Regional Council area
Water:

- Qld Health has requested extra monitoring of all 26 towns on Lowood scheme. Sampling continues with increased chlorine application.
- Lowood Water Treatment Plant in operation. Reservoir levels are: Lowood 1 - 84%, Lowood 2 – 28%, Lowood 3 – 93%, Fernvale 1- 26%, Western 80%.
- Advice was received from Seqwater at 2.40pm – river level at Lowood was expected to rise and Seqwater wanted to stop the temporary pump from 4pm to 10pm.
- Lowood temporary pump running – monitoring river level – Seqwater will notify EMT if required to move.
- Extra crews have been arranged on standby as a contingency plan for the water supply to the affected Lockyer Valley and Somerset areas.
- Water samples have been collected for testing.
- Toogoolawah depot accessible but severely damaged.
- Bottled supplies still available.

Wastewater:

- Esk/Lowood sewerage pumping station 90% operational - diesel pumps being used.
- Fernvale WRP access still flooded, plant is ok. Staff flown in by helicopter has investigated. WRP is capable of stage 1 sewerage treatment. Balance of system to be checked in time.
- Request submitted to Somerset LDCC to repair access road to Fernvale WRP.
- Esk WRP expected to be operational by Saturday, 22 January. Inlet pump station being repaired – portable diesel pump being used.
- One sewerage pumping station remains down.
- Esk WRP some treatment achieved and expected to be operational by 22/1/11.

- Tankers being arranged for sewerage pumping stations. Electricals being dried out and failed equipment being replaced.
- Road repair crew to Banks Creek Rd Fernvale on 21/1/11 – notifying QUU when completed.

SOMERSET WASTEWATER ASSETS STATUS
Sitrep
UPDATE 5.30pm Thursday 20/1/11

WRP Status

WATER RECLAMATION PLANT	CURRENT STATUS
Esk WRP	Operational using Diesel Pumps
Fernvale WRP	Operational
Lowood WRP	Operational using Diesel Pumps
Kilcoy WRP	Operational
Toogoolawah WRP	Operational

Pump Station Status

PUMP STATION	LOCATION	OPERATIONAL	POWER	PREVIOUSLY FLOODED
PROSPECT ST 1	Lowood			
PROSPECT ST 2	Lowood			
BRAY ST	Lowood			
DANIEL ST	Lowood			
JAMES ST	Lowood			
MACADAMIA	Lowood			
MAIN ST	Lowood			
FERNVALE 1	Fernvale			
Schmidt Rd	Fernvale			
LINDEMANS RD	Lowood			
FOREST HILL FERNVALE RD	Lowood			
TOOGOOLAWAH 1	Toogoolawah			
TOOGOOLAWAH 2	Toogoolawah			
TOOGOOLAWAH 3	Toogoolawah			
TOOGOOLAWAH 4	Toogoolawah			
TOOGOOLAWAH 5	Toogoolawah			
KILCOY 1	Kilcoy			
KILCOY 2	Kilcoy			
KILCOY 3	Kilcoy			
KILCOY 4	Kilcoy			
KILCOY 5	Kilcoy			
KILCOY 6	Kilcoy			
ESK 1	Esk			
FERNVALE 2	Fernvale			
FERNVALE 2	Fernvale			

Sewerage	
	Ipswich • QUU monitoring their assets- no issues at the moment with water supply- visual inspections of assets once water recedes. • 11 Pump stations not operating at this point in time – use trucks to move waste to appropriate facilities. • Bundamba and Goodna Treatment plant are only operating at stage 1 treatment. May take up to 3 months to be fully operational at level 3. **Somerset** • Toogoolawah STP and network Operational Esk STP and PS Diesel pump used to pump from wet well to head of plant. Some treatment achieved. Normal operation should be achieved by 21/01/11. Site clean up needs to be assessed for outflow of raw sewage into creek. Lowood STP and PS's Diesel pump used to pump from wet well to head of plant. Some treatment achieved. Normal operation should be achieved by 21/01/11. NO7 Pump Station Lowood SP467 Lindemans Road not operational (overflows into gravity sewer system). Fernvale STP No access. QUU officers were flown into site on 17/01/11 to assess. • NO1 Pump station SP397 Banks Creek Road is not operational. Site clean up needs to be assessed for outflow of raw sewage into creek. NO3 Pump station SP399 Schmidt Road is still to be checked by QUU officers. Site clean up needs to be assessed for outflow of raw sewage into drainage. • Potential public health issue being investigated by EHO's regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants, and on-site residential sewerage facilities (e.g. septic tanks) overflowing or non-operational due to power outages. <u>Wastewater Infrastructure:</u> • Verbal advise by QUU of the public health issue regarding raw sewerage discharges into the Brisbane River due to non-functioning Sewerage Treatment Plants. Advice received that <u>no public health threat</u> as releases are in areas of non habitation and final release is in Brisbane River which dilutes the effects of the sewage. • Council preparing media release regarding servicing/checking on-site residential sewerage facilities. All sewerage spills are being reported through QUU and where relevant are being forwarded on to DERM

Rubbish	• 19/01/11 meeting with Wanless regarding Esk and surrounds pick up. (Ipswich waste services contracted for the Esk and surrounds (excluding Linville, Colinton and Moore). • Wanless to resume normal servicing by 24/01/11 (excluding flooded areas). • Fernvale, Lowood and surrounds kerbside cleanup (Zanos contractors). Ipswich Waste Services are back to BAU services to the community.

ECONOMIC

12. INDUSTRY

Sector:	**IPSWICH** **Economic Recovery:** Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development. • Undertaking impact assessment of both Urban and Rural businesses. • TRADE SHORTAGES - Working with B105 in Brisbane & Triple M in Sydney, as they have volunteer trades people in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here. • Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment. • Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts • Temporary Business centres are bing established in the CBD and others will follow as facilities are identified citywide.
Finance:	Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available. • Undertaking impact assessment of both Urban and Rural businesses.

ENVIRONMENT

15. Environmental Impact

IPSWICH

Environmental Recovery

In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 12500 tonnes of debris transferred to landfill sites, from the following areas of operation; ADF will be winding down there involvement by the end of this week.

The Environmental recovery room will be closed as of COB today and all calls will be redirected through the Call Centre. All requests regarding the cleanup and restoration of disturbed footpaths will be forwarded onto HPR to initiate appropriate action.

⇒ Goodna 90% completed

⇒ Karalee 95% (ADF will be moving from this area to North Booval)
⇒ North Booval 90%
⇒ East Ipswich / Basin Pocket 90%
⇒ One Mile / Brassall 95%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 95%

The 1st pass of debris removal is complete , except for North Booval and the 2nd pass is planned to be completed by 28 January 2011.. Some areas have had 3 passes.

To date a total of 18,000 tonnes have been taken to landfill. Bulk Asbestos pick ups have been done from two sites.
The reinstatement of footpaths that have been disturbed by the cleanup effort will be progressively reinstated, ie levelled & topdressed where necessary.

Council is also undertaking the pumping out of the septic tanks in various locations, commencing in Karalee and Bundamba, Thagoona. To date 17,000 litres have been transferred..

Vector Control commenced on Sunday 23/01/11 and targeting 30key sites across Ipswich and this is planned to be completed by 28/01/11.

Assessment of impacts on river banks and drainage assets are being undertaken over the next week.

Assessment of impacts to our Parks and recreational areas are also being undertaken.

- Cases of illegal dumping are starting to emerge and enforcement activities have commenced.

- Uncleared unoccupied houses have been identified, which may cause health issues. Steps are being taken to address this issue. (To date 12 properties have been identified)

- Environmental issue identified at Turley Street in relation to petroleum products. This issue is being addressed.

LOCAL ARRANGEMENTS

16. Updates to District/Local Contacts

Changes to Contacts:	**SOMERSET** Local Disaster Coordinator is Tony Jacobs [redacted] **Ipswich** Local Disaster Coordinator is Tony Trace [redacted]

Ipswich City Situation Report (SITREP)

Event: **January 2011**

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
27 January 2011	**10.00am**	**27**

1. WEATHER

Local observations:

Ipswich

Forecast for Thursday

Fine. Light winds, tending moderate E to NE in the afternoon. Fine Max 33

UV Alert from 7:50 am to 4:10 pm, UV index predicted to reach 14 [Extreme]

Friday	Mostly fine, possible late shower	Min 20 Max 33
Saturday	A shower or two	Min 20 Max 30
Sunday	A shower or two	Min 19 Max 29
Monday	A shower or two	Min 20 Max 30
Tuesday	Mostly fine, possible shower	Min 21 Max 32
Wednesday	A shower or two	Min 21 Max 32

2. Damage assessment Overview

(Include brief summary of key points)

IPSWICH

Ipswich CC current estimate is that there are **8,773 properties** were impacted by flood waters. There are no houses in Ipswich currently inundated. QFRS have advised 1,000 houses had water in liveable areas, however Energex have issued 1181 Form 3's,which advises property owners that they need to have an electrical certification prior to reconnection to mains power, this figure is being assessed as further data becomes available.

3. Significant Issues Summary

(Include those significant issues of interest to the QPS, Queensland Government and/or with potential for media interest)

IPSWICH

- Determining actual number of unhoused persons, as there is a large section of the community residing with friends and family.
- Finding suitable housing - this is now with the District Community Recovery Committee to identify options and find places. Once solved this will allow us to cease operation of the remaining evacuation centre. Currently there are 2 families to be placed in permanent housing.
- Getting power on in unaffected areas of Ipswich will allow us to close Karalee State School and Riverview Neighbourhood House. Mains power has been restored to all properties. Only inundated areas to be reconnected to power.
- Undertaking impact assessment inspections on identified residential, business and community assets.

DISTRICT REPORTS

4. Summary Of Past 24 Hours By DDMG / LDMG

(Include brief details of operations, visits, etc)

IPSWICH

Number of Evacuation Centres are being consolidated, with some closing as residents are returned to their homes. Undertaking of Housing requirement assessments for evacuees. There is only one evacuation centre in operation, ie the Show Grounds. Last night there were 20 evacuees at this centre.

QUU monitoring their assets – 11 pump stations are being restored as well as Bundamba & Goodna Treatment plant only at stage 1 treatment..

4. Projected Recovery activities / objectives
(Identify short term {up to 24 hours} and longer term {24 hours+} recovery activities and objectives, including anticipated re-supply requirements)

IPSWICH
QFRS Rapid Assessment and Fly over assessments have been finalized
Consolidation of Evacuation centres continuing to occur as people return to unaffected homes. Assessments being undertaken to determine housing requirements of remaining evacuees. It is anticipated that the remaining evacuees will be housed by Friday 28 January 2011.
Commencement of 'Impact Assessment' with key agencies in the region.
'Clean up Ipswich' program is well underway, utilising resources from Council, EMQ, ADF and volunteers. Due to volunteer numbers and resulting road blockages, actual debris pick-up activities are being undertaken at night time. Approximately 20,000 Tonnes have been disposed of.

FACTS AND STATISTICS

SOCIAL

5. Population

Deceased:	Male: Female: Total: Comment:	3 0 3 Jesse Joshua WICKMAN DOB 15/09/2006 Date of Event: 11/11/2011 @ 21:24hrs Location: Minden Cross Roads, Minden Robert Gregory BROMAGE (08/10/60) Date of Event: 12/01/2011 @ 2220hrs Location: Karabin-Rosewood Rd Karrabin Selwyn SCHEFE of Murphy's Creek Date of Event: 12/01/2011 @ 2301hrs Location: 1599 Brightview Rd Tarampa **Nil further reported deaths (3.00am 17/01/11).**
Injured:	Male: Female: Total: Comment:	Nil specific data has been captured by Queensland Health or provided by the Ipswich DDCC There have been reports of injuries that have been treated in Lowood and Esk, unable to establish exact numbers Report of woman with broken arm after fall – location unknown at this stage
Missing:	Male: Female: Unknown: Total: Comment:	0 0 0 0 0 outstanding jobs. 37 jobs have been referred to the Ipswich District since the commencement of the Ipswich DDC 11/01/11. All investigations have been carried out by staff from Ipswich CIB. Nil outstanding

6. Evacuations

Evacuation Centres activated	Evacuation centres – All commenced 11/01/11

(include location and commencement date):

DIVISION	LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED Sleeping/feeding
Marburg	?	11/1/11	0	
Goodna Div	Riverview Community Centre	11/1/11	50	60 / 300
Goodna Div	Redbank Evac Centre	11/1/11	60	
Ipswich Div	Boys Grammar	11/1/11	170	180 / 180
Ipswich Div	Girls Grammar	11/1/11	200	200 / 200
Ipswich Div	Showgrounds Salisbury Road, Ipswich	11/1/11	690	600 / 600
Ipswich Div	St Josephs Nth Ipswich	11/1/11	140	100 / 100
Goodna Div	Shiloh Goodna	11/1/11	70	120 / 200
Goodna Div	Christian outreach Redbank Plains Rd Goodna	11/1/11	60	
Ipswich Div	Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	170 / 170
Ipswich Div	Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	80 / 80
Ipswich Div	Ipswich Golf Club	11/1/11	200	
Karana Downs	Karalee State School	11/1/11	370	300 / 300
Raceview	Country Comfort Motel – frail aged couple			2 / 2
Ipswich	Metro Hotel – suspected chicken pox			3 / 3
			Total	1815 / 2035

IPSWICH
Evacuation Centres continue to centralised, with only the following locations remaining operational;

- Ipswich Showgrounds (20 Sleeping)

Numbers registered at Centres (include progressive total, and current registrees):

IPSWICH

numbers are reducing as power is returned to unaffected areas.

Initially directed to self evaluate to friends and family. Evacuation Centre's used for those without support, and directed to the Ipswich Show Grounds.

Evacuation Centre's still in operation
⇒ Ipswich Show Grounds – 20 (sleeping)

'Close out' strategies are being put in place with Centre Managers and Red Cross and discussions are continuing to determine the close down date. This was planned for the Friday, 21 January 2011, however this has been extended. The District Community Recovery Committee are investigating options for their implementation.

Possibility of using Salvation Army Store at 12 Cole Street Bundamba for food bank – will need to look at management and security of site. Salvation Army at Cole Street are ready to accept donated items from the Show Grounds.

Numbers staying in Centres (include progressive total and current number of persons previous night):

20 @ Ipswich Showgrounds, in excess of 2200 initially dealt with at height of flood across 24 separate centres, exact figures still be collated at LDMG level

Issues (include comments relating to public safety, support services and resources where applicable):

IPSWICH
Resource Distribution Centre operating at the Ipswich Show Grounds to re-supply other centers, as well as a bus service to move people between centers.

7. Community Recovery Centres

Locations:	Recovery centres at Bremer TAFE and Wacol Park relocating to Goodna. Recovery Centres Esk Fernvale. Updated figures for Ipswich City Council area as at 4.00pm 26 January 2011 Number of grants paid and value of grants paid (Emergent Assistance Grants) to date for Ipswich are: • Total number of Emergent Assistance Grants paid to date: 7703 • Total value of Emergent Assistance Grants paid to date: $3,013,080.00 Applications lodged for Essential Household Contents Grants and Structural Assistance Grants: • Total number of Essential Household Contents Grants lodged to date: 1,462 • Total number of Structural Assistance Grants lodged to date: 552 • Premier's Disaster Relief Applications 802 Relocate and rehouse people who have been displaced, currently liaising with Somerset and Ipswich City Council's . • A number of skilled personal support staff operating out of the Evacuation Centre at the Showgrounds are working intensively with evacuees and Qld Housing to rehouse people by Friday. Red Cross has brought in a homelessness/housing program area specialist to assist support staff to structure and manage their activities and we are wherever possible using and linking people into our existing housing support services in Ipswich. The numbers of people are reducing as a result of these actions. Community Recovery Centres are operating at the following locations: . Ipswich Showgrounds . Bremer Institute of TAFE . The Park Centre for Mental Health Wacol (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) Community Recovery Centre outposts located at the following locations: . Karalee State School . Immaculate Heart Catholic Primary School Leichhardt (relocating to Ipswich Showgrounds from Friday 21 January) . Riverview Neighbourhood House (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) . Rosewood Community Centre . Gailes Community Hall . Shiloh Christian Church (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) . Goodna War Memorial (relocating to Max Employment Office Queen Street Goodna from Friday 21 January) The Community Recovery Centres are the official advertised centres and the outposts are smaller centres that will relocate services to the larger ones when the need decreases or when the facility needs their space/rooms back. •
Opening hours:	0900 – 1700
Numbers Utilising Centre:	Feeding approx 800 people within the centres.
Issues	Welfare distribution centre at Camira Community Centre closing 21/01/11 transferring to Lifeline. Close down strategy for all Ipswich centres by 28/01/11 **IPSWICH**

	Department of Housing is undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as basis of determining solutions. •

8. Health

Public Health:	**Mobile Vaccination Clinics** - 4 mobile vaccination clinics deployed in SEQ. - 1 van stationed at Wulgara Street Goodna 0830 19/01/11
Mental Health:	Nil to report

INFRASTRUCTURE

9. Transport
(If roads, airstrips etc closed, include estimated time of opening)

Aviation:	Nil changes since previous reports Nil issues known, small private strips only
Rail:	opening line from Ebenezer to Fishermans Island. Line up and running on Tuesday afternoon and storm hit. Still issues as stations affected at Goodna and Ipswich. Qld Rail advise that the Rosewood to Brisbane line is now open
Road:	**IPSWICH 20/1/11** Please refer current list of road closures. The relevant signage has been put in place to advise the travelling public. Listing current as at midday today. State Roads Closed: - Cunningham Highway at The Gap closed both directions due to a major landslide Local Roads Closed: - Junction Road – Road Failure (From Lyndon Way – Bendemeer due to Road Failure) Roads Closed due to Brisbane River Levels: - Mt Crosby Weir , approach road has been repaired (currently under going structural assessment) Council crews continue to proactively inspect and repair the City's affected road network, while BAU activity is being undertaken on unaffected areas. Also, Level 2 Bridge Assessments are being undertaken on the City's network.
Marine:	Mt Crosby Weir – structural issue of Weir – unsure of extent at this time (Brisbane City Council engineers conducting ongoing operations). Work has commenced to reinstate the scour. Waiting on structural assessment of the weir. (SEQ Water organising). Moggill Ferry out of service for unknown timeframes at this time.
Other:	**IPSWICH** **Infrastructure Recovery:** All infrastructure and essential service providers are undertaking impact assessments and directing restoration effects in a priority based order. Points to note: • All Mains supply has been reinstated and only the inundated properties are without power until an electrical certification is forwarded onto Energex, then power will be reinstated.. Energex have pulled fuses on 1181 inundated houses and waiting on electrical certification to reconnect. The main effort now is in reconnection once Form 2's are completed by

	electrician. • Rosewood to Brisbane Rail line has been reopened. • Moggill Ferry is not operating (issue is that the winch is till under water). • Water and sewerage assets are being restored particularly the Bundamba Wastewater Treatment and approx 11 pump stations. No water supply issues, but are still continuing to issue precautionary advice in the Marburg area at this stage. • Inspection programs are being planned to review the items highlighted from our modelling, to determine actual level of impact from the event.

10. Structures

Including:

- *No. of residences with water over the floorboard (affected living areas)*
- *No. of residences with water under the house (not affecting living areas)*
- *No. of properties with water entering yards but not affecting residences*
- *No. of public buildings with water affecting ability to function*
- *No. of businesses with water affecting ability to function*

		Accumulative total (where applicable):
Residences (includes individual apartments and flats):	**IPSWICH** Estimate: **766** Urban streets were impacted as well as Rosewood, Marburg, Thagoona, resulting in approx 10,000 properties affected. Buildings – 7,221 Misc – 114 Pools – 501 Sheds - 4504 QFRS Rapid response have completed assessment and will provide information available to Council. QFRS have advised 750-1,000 houses had water in liveable areas. • QFRS identified 700-1000 houses plus streets. • Energex have identified 1181 houses affected, ie Goodna 323 and Nth Booval 231. • Karalee area NAVY doing doorknocking checking on people and reporting back to LDMG. Business Impact assessment under way. • Sewerage treatment plant back on line. Public Housing issues – keeping Showgrounds open as main evacuation centre	
Properties (not including properties on which residences or businesses are affected):		
Roads, streets, highways etc:	Reference Section 9. Infrastructure	
Businesses:	**IPSWICH** Ipswich –Approximately 1000 businesses affected. EHO's have undertaken assessments of 655 businesses to date. QFRS Rapid Assessment team continuing assessment. Council's ECD representatives are consulting with local businesses to assess impact and assist with initial recovery. Some are still in shock, others will face the hard decisions this week in regards to closing the business or keep going.	
Council:	Specific data yet to be provided by LDMGs.	

Government Offices:	To be fully assessed	

Schools:	School resumed on the 24/01/11.
	• **Education Qld**
	  • Ipswich State High, commence Monday/.
	  • Brassall State School – running for Monday and Year 7's over to Ipswich High School.
	  • Bundamba State School – limited capacity.
	  • East Ipswich – Commence Monday.
	  • Lowood School – Commence Monday.	

Hospitals:	Ipswich Hospital operational. Esk Hospital operational.	
Dams:	Wivenhoe and Somerset dams – no issues.	

11. Services

Communications *(If communications out, include estimated time of reconnection)*	
Telephone Network:	**Ipswich** Initial impact was mostly power related however all key sites were supported by generators. Key equipment within the Ipswich Exchange was not impacted by flood water. Only major damage to Telstra infrastructure was a roadside cabinet (RIM) at Bundamba which was inundated with water (these services were fully restored on 21st Jan). **Ipswich & surrounding district** – current fault volume is 332. Customer faults are currently booking at Day 7 and the overall fault volume is currently 10 times above normal. Currently no major impact to any key Telstra infrastructure. The current fault volume (332) is mostly individual customer reported faults, however 3 distribution cables have been identified as damaged/faulty with a potential impact to 350 services. These are currently in hand with Telstra Technicians. Telstra currently has an additional 11 Telstra Field Technicians working in the Ipswich area taking the total resource number to 20. Where possible these 20 will be supported by additional resources from Brisbane.
Mobile Telephone Network:	
Radio (2-way):	QPS radio working .
Broadcast Radio / TV:	Nil issues.
Power *(If power out, include estimated time of reconnection)*	
Mains power:	Ipswich area now back to house by house inspections/reconnections with electricians. Using helicopters for arranging poles to be flown to hard access areas. Power restored to all areas possible a this time. At 1.00pm on 24/01/2011 Energex advise customers currently affected by power outages: Ipswich & Surroundings Areas:- 0 **Gas Pipeline:** • APA Group has performed aerial inspections of the Roma Brisbane pipeline and have not found any issues within the Somerset Region. However, as parts of the pipeline are submerged around Wivenhoe/Brisbane River, there may be undiscovered damage or issues.

	IPSWICH Customers currently affected in Ipswich & Surroundings Areas is approximately 24.
Auxiliary power:	
Public Transport	
	See section 11 for details of Rail Services.
Water	
Sewerage	
	Ipswich • QUU monitoring their assets- no issues at the moment with water supply- visual inspections of assets once water recedes. • 11 Pump stations not operating at this point in time – use trucks to move waste to appropriate facilities. • Bundamba and Goodna Treatment plant are only operating at stage 1 treatment. May take up to 3 months to be fully operational at level 3.
Rubbish	Ipswich Waste Services are back to BAU services to the community.

ECONOMIC

12. INDUSTRY

Sector:	IPSWICH **Economic Recovery:** Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available., including promotion campaign and website development • Undertaking impact assessment of both Urban and Rural businesses. • TRADE SHORTAGES - Working with B105 in Brisbane & Triple M in Sydney, as they have volunteer trades people in Sydney who have offered a week of their time and they have sponsors offering to pay airfares, accommodation and meals while they are here. • Library have cleared a training room and set up 8 No. computers with internet access for businesses that have lost equipment. • Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts • Temporary Business centres are bing established in the CBD and others will follow as facilities are identified citywide.
Finance:	Economic and Community Development department of ICC is working with all levels of State/Federal Government to assist businesses get back on their feet. Approx 1000 affected by the event. Activities being undertaken include; • Business recovery centre is open in Council offices at South Street Ipswich • Daily information sessions highlighting funding options available and professional assistance that is available. • Undertaking impact assessment of both Urban and Rural businesses.

ENVIRONMENT

15. Environmental Impact

IPSWICH

<u>Environmental Recovery</u>

In terms of environmental recovery, Ipswich City Council is leading the "Clean Up Ipswich" program, with the assistance from the ADF(400-500), SES (4 crews), council staff, contractors and community volunteers (8000 yesterday). To date, approx 12500 tonnes of debris transferred to landfill sites, from the following areas of operation; ADF will be winding down there involvement by the end of this week.

The Environmental recovery room will be closed as of COB today and all calls will be redirected through the Call Centre. All requests regarding the cleanup and restoration of disturbed footpaths will be forwarded onto HPR to initiate appropriate action.

⇒ Goodna 90% completed
⇒ Karalee 95% (ADF will be moving from this area to North Booval)
⇒ North Booval 90%
⇒ East Ipswich / Basin Pocket 90%
⇒ One Mile / Brassall 95%
⇒ Western Region 95%
⇒ Mores Pocket / Tivoli 95%

The 1st pass of debris removal is 100% complete and the 2nd pass is planned to be completed by 28 January 2011.. Some areas have had 3 passes.

To date a total of 20,000 tonnes have been taken to landfill, however there are localised stockpile sites which have yet to be transported to the landfill sites and these quantities are not included in the above quantities..

Bulk Asbestos pick ups have been done from two sites.

The reinstatement of footpaths that have been disturbed by the cleanup effort will be progressively reinstated, ie levelled & topdressed where necessary, this is being co-ordinated by Health Parks & Recreation Department..

Council is also undertaking the pumping out of the septic tanks in various locations, commencing in Karalee and Bundamba, Thagoona. To date 17,000 litres have been transferred..

Vector Control commenced on Sunday 23/01/11 and targeting 30key sites across Ipswich and this is planned to be completed by 28/01/11.

Assessment of impacts on river banks and drainage assets are being undertaken over the next week.

Assessment of impacts to our Parks and recreational areas are also being undertaken.

Cases of illegal dumping are starting to emerge and enforcement activities have commenced.

Uncleared unoccupied houses have been identified, which may cause health issues. Steps are being taken to address this issue. (To date 12 properties have been identified)

Environmental issue identified at Turley Street in relation to petroleum products. This issue is being addressed.

LOCAL ARRANGEMENTS

16. Updates to District/Local Contacts

Changes to Contacts:	**SOMERSET** Local Disaster Coordinator is Tony Jacobs [redacted] **Ipswich** Local Disaster Coordinator is Tony Trace [redacted]

Ipswich City Situation Report (SITREP)

Event: **January 2011**

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
28 January 2011	**2.00pm**	**28**

WEATHER

Local observations:	**Ipswich** **Forecast for Friday** Mostly fine, just the chance of a late shower. Light winds tending moderate SE by late morning. Precis: Mostly fine, possible late shower Max 33 UV Alert from 7:50 am to 4:10 pm, UV Index predicted to reach 14 [Extreme] **Saturday** A shower or two Min 20 Max 30 **Sunday** A shower or two Min 19 Max 30 **Monday** A shower or two Min 20 Max 32 **Tuesday** Mostly fine, possible shower Min 21Max 33 **Wednesday** A few showers Min 22 Max 33 **Thursday** A few showers Min 23 Max 31
Any difference from official weather reports:	**Nil**

Human – Social Recovery

Impact Assessments available to date	Recovery progress to date
Communities were isolated during this flood event.	No communities remain isolated
Electricity supply was cut to 1181 inundated properties	Energex have been reinstating power to properties after receiving electrical certification. Numbers are not known at this time.
Evacuation Centres set up on 11 January 2011	The last evacuation centre closed 28/01/11

DIVISION	LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED Sleeping/feeding
Marburg	?	11/1/11	0	
Goodna Div	Riverview Community Centre	11/1/11	50	60 / 300
Goodna Div	Redbank Evac Centre	11/1/11	60	
Ipswich Div	Boys Grammar	11/1/11	170	180 / 180
Ipswich Div	Girls Grammar	11/1/11	200	200 / 200
Ipswich Div	Showgrounds Salisbury Road, Ipswich	11/1/11	690	600 / 600
~~Ipswich Div~~	~~St Josephs Nth~~	~~11/1/11~~	~~140~~	~~100 / 100~~

	Ipswich			
Goodna Div	Shiloh Goodna	11/1/11	70	120 / 200
Goodna Div	Christian outreach Redbank Plains Rd Goodna	11/1/11	60	
Ipswich Div	Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	170 / 170
Ipswich Div	Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	80 / 80
Ipswich Div	Ipswich Golf Club	11/1/11	200	
Karana Downs	Karalee State School	11/1/11	370	300 / 300
Raceview	Country Comfort Motel – frail aged couple			2 / 2
Ipswich	Metro Hotel – suspected chicken pox			3 / 3
			Total	1815 / 2035

Communities need assistance (Advise and assistance given by Department of Communities: Emergent Assistance Grants Essential Household Contents Grants Structural Assistance Grants Premier's Disaster Relief Applications Income and Asset Gross Weekly Tests Applications for the Essential Services Safety and Reconnection Scheme	7582 to the value of $2,969,910 1476 539 700 Unknown 1
Communities need assistance (Advise and assistance given by Department of Communities:	Community recovery centres are operating in 7 Ipswich locations: a. Bundamba, Bremer Institute of TAFE b. Karalee, c. Redbank, d. Max Employment Office at Goodna e. Riverview, f. Ipswich Showgrounds, g. Rosewood. h. Additional centres are operating at Fernvale, Lowood, Coominya and Wacol, which Ipswich residents can access.
Communities need assistance (Advise and assistance given by Department of Communities:	Counsellors have been made available to recovery centre staff and other council staf who have suffered trauma as a result of their response to the flood disaster.
Evacuees needed assistance with housing	Department of Housing currently undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as a basis of determining housing solutions.
Approximately 750 – 1000 households have been assessed by QFS as damaged by flood water.	

Telstra network initial impact was mostly power related however all key sites were supported by generators. Key equipment within the Ipswich Exchange was not impacted by flood water. Only major damage to Telstra infrastructure was a roadside cabinet (RIM) at Bundamba which was inundated with water	These services were fully restored on 21st Jan. Telstra currently has an additional 11 Telstra Field Technicians working in the Ipswich area taking the total resource number to 20. Where possible these 20 will be supported by additional resources from Brisbane.

Tactical issues

- Lifeline and Red Cross Counsellors have been dispatched and are available to the community for care and counselling.
- Suicide watch is in place at evacuation centres.
- Mid term accommodation for residents currently accommodated in Evacuation Centres.
- Vector control strategies was implemented and completed this week. Followup treatment is planned to be completed by the 11 February 2011.

Economic Recovery

Impact assessment available to date	Recovery progress to date
• Approximately 7,221 properties impacted.	
Businesses impacted was Over 500 directly impacted, secondary impact to supply chains still to be determined. Home based business have also been affected, however they are not able to be contacted or represented in these figures	5 Business Enterprise Centre (BEC) officers are being deployed to the region – 1 will be based in Ipswich. Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich. Environmental Health Officers and Planning and Development Officers are performing reconnaissance and providing support to business owners and householders. 194 businesses have applied for $ 970,000 via assistance from Ipswich City Council - currently awaiting advice from BECA regarding total applications. ie. some businesses apply directly via the website
What agricultural impact did the event have? minimal impact on agricultural industry in the Ipswich region.	Economic impact on the Ipswich based supply chain still to be identified
Number of employees impacted ? Approx 1700 employees directly. Indirect affect on supply chains undeterminable at this stage.	Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich.
Problems with under-insurance and non-insurance.	Liaison is occurring with the Insurance Council of Australia.
Ipswich City Council staff visited 400 affected businesses in Ipswich CBD, West Ipswich (Tiger and Keogh Streets) and Raceview (Turley and Parrot Streets, and Briggs Road) providing information regarding the assistance available from government, financial institutions and Telstra.	A Business Recovery Centre has been established in the Office of Economic Development (OED) with the three levels of government represented to assist businesses. A series of information sessions in the Barry

	Jones Auditorium will be held 10am-11.30am Monday to Friday until further notice to assist businesses to lodge grant applications. ICC staff continue to visit affected businesses in the coming days.
Insurance companies preparing to send assessors.	Insurance industry marquee and van set up at Ipswich Showgrounds Evacuation/Recovery Centre where all insurance companies can be represented and process claims for the community. Liaison is occurring with the Insurance Council of Australia.
Main recovery issues that need to be addressed? - cleanup phase mostly complete	a) Businesses now determining if they will be able to reopen and is so what they will require and at what cost. b) donations of goods and services continues and there is a need to manage storage and distribution as Charities are overflowing c) a temporary Business Support Centre is being established with computers, desks etc until they can return to their premises.

Tactical issues

- Ipswich City Council is assisting businesses to reinstate their identities (ABN & Tax File No.'s etc) where records have been lost.
- Ipswich City Council is promoting the assistance available to emails databases, via ICC website, facebook and twitter.
- Ipswich City Council is partnering with the Federal and State government on a media campaign to promote assistance.
- Ipswich City Council is partnering with the Federal and State government on a media campaign to promote assistance.
- Trade shortages – working with radio stations in Brisbane and Sydney to access tradespersons to assist with rebuilding.
- Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts in terms of flood coverage and definition of a flood.
- Ipswich City Council Library have set up several computers with internet access for businesses who do not have access.

Infrastructure Recovery	
Impact assessment available to date	**Recovery progress to date**
In total, 7,221 buildings in flood zone.	The environmental recovery was initiated to control the cleanup operation
750-1000 houses identified as flood affected by QFS with rapid assessment continuing	The QFS continue with rapid assessment to determine impact. The QRFS have deployed 33 Appliances with a total of 97 rural fire fighters to clean streets and home and assist with damage assessment.
Numerous roads have sustained various levels of damage	2 remain closed due to damage -Junction Road Karalee Lyndon Way to Bendemeer St -Mt Crosby Weir Mt crosby,
Numerous Council owned buildings and properties have been damaged	Currently being assessed
State authorities continue to assess damage to state owned property	Currently being assessed
Energex issued 1181 Form 3's to properties inundated by flood waters	Energex have reconnected properties, total

	numbers not available yet.

Tactical issues

- Numerous bulletins and media releases have been disseminated to various media outlets.
- Teams are being assembled to prioritise and implement recovery.
- Lack of availability of certified tradespeople – working with Brisbane and Sydney radio to supply extra tradespeople.
- Council crews have begun to repair damage to roads and streets.

Environmental Recovery

Impact assessment available to date	Recovery progress to date
In total, 7,221 buildings in flood zone , cleanup of flood and building debris.	Australian Army has deployed soldiers and associated vehicles and plant to assist in heavy lift, street cleaning and removal of debris in Goodna, Karalee and North Booval. The ADF are withdrawing from the Ipswich with the last group cleaning up Joseph Brady Park at Karalee. The RAAF have deployed staff and plant. The RAN have deployed staff. 8000 volunteers assisted with clean up across the city. Council Work force. The QRFS have deployed 33 Appliances with a total of 97 rural fire fighters to clean streets and home and assist with damage assessment.
Disposal of flood and building Debris.	20,115 tonnes of refuse has been transferred to landfill sites. There are several local stockpile sites which need to be collected and taken to landfill sites 40 m3 of asbestos collected to date with more waiting collection Ipswich City Council have coordinated the provision of waste bin and waste removal in various areas of the city. As of the 28 January 2011 owners of inundated properties are to contact Council to arrange debris pickup.
Disposal of Hazardous waste	hazardous waste collection orrucring.
Flooding of septic tanks in unsewered areas	Septic tank pumps outs are being coordinated through Ipswich City Council
Mosquito breeding (Vector control)	1st round of treatment is complete

Tactical issues
Vector control strategies was implemented and completed this week. Followup treatment is planned to be completed by the 11 February 2011.

Ipswich City Situation Report (SITREP)

Event: **January 2011**

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
31 January 2011	**4.00pm**	**29**

WEATHER

Local observations:	**Ipswich** **Forecast for Monday** Mostly fine, possible shower. Light E to SE winds. Precis: Mostly fine, possible shower Max 32 UV Alert from 8:00 am to 4:10 pm, UV Index predicted to reach 13 [Extreme] **Tuesday** Shower or two. Min 21 Max 31 **Wednesday** Few showers. Min 22 Max 31 **Thursday** Few showers. Min 23 Max 31 **Friday** Shower or two Min 22 Max 32 **Saturday** Mostly fine, chance shower. Min 22 Max 33 **Sunday** Few showers. Min 23 Max 30
Any difference from official weather reports:	**Nil**

Appendix 3: Recovery currently underway

Impact Assessments available to date	Recovery progress to date
HUMAN/SOCIAL RECOVERY: Communities were isolated during this flood event, including Karalee, North Ipswich/Brassall, Rosewood.	No communities remain isolated
Approximately 8.663 properties impacted. Electricity supply was cut to large areas of Ipswich, including over 4000 properties in unaffected areas as well as 1181 inundated properties. Approximately 750 – 1000 households have been assessed by QFS as damaged by flood water.	All unaffected areas have had power restored. Energex have been reinstating power to properties after receiving electrical certification. Numbers are not known at this time.
Evacuation Centres set up on 11 January 2011	The last evacuation centre closed 28/01/11

LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED Sleeping/ feeding
Riverview Community Centre	11/1/11	50	60 / 300
Redbank Evac Centre	11/1/11	60	60 / 100
Boys Grammar	11/1/11	170	180 / 180
Girls Grammar	11/1/11	200	200 / 200
Showgrounds	11/1/11	600	600 / 600

Salisbury Road, Ipswich			
St Josephs Nth Ipswich	11/1/11	140	100 / 100
Shiloh Goodna	11/1/11	70	120 / 200
Christian outreach Redbank Plains Rd Goodna	11/1/11	60	
Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	170 / 170
Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	80 / 80
Ipswich Golf Club	11/1/11	200	
Karalee State School	11/1/11	370	300 / 300
Country Comfort Motel – frail aged couple			2 / 2
Metro Hotel – suspected chicken pox			3 / 3
		Total	1875 / 2235

Communities need assistance (Advise and assistance given by Department of Communities: Emergent Assistance Grants Essential Household Contents Grants Structural Assistance Grants Premier's Disaster Relief Applications Income and Asset Gross Weekly Tests Applications for the Essential Services Safety and Reconnection Scheme Applications for the Premiers Disaster Relief Appeal	 8,032 to the value of $3,146,310 1,578 567 700 Unknown 1 1,100
Communities need assistance (Advise and assistance given by Department of Communities:	Community recovery centres are operating in 6 Ipswich locations: a. Bundamba, Bremer Institute of TAFE b. Karalee, c. Max Employment Office at Goodna d. Riverview, e. Ipswich Showgrounds, f. Rosewood. Note! The Department is planning to close the smaller outpost centres of Karalee, Rosewood, Gailes and Riverview on Friday 4 February. The larger Recovery Centres at the Ipswich Showgrounds, Goodna and Bundamba will remain open until Friday 11 February and it is proposed that a shop front open in Ipswich to continue to service the needs of the Ipswich residents..
Communities need assistance (Advise and assistance given by Department of Communities:	Counsellors have been made available to recovery centre staff and other council staff who have suffered trauma as a result of their response to the flood disaster.
Evacuees needed assistance with housing	Department of Housing currently undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as a basis of determining housing solutions.
Tactical issues	

- Lifeline and Red Cross Counsellors have been dispatched and are available to the community for care and counselling.
- identification and management of the medium and long-term housing issues, as residents attempt to return to their houses and as current temporary arrangements are finalized with family and friends.

Economic Recovery

Businesses Impacted was Over 500 directly impacted, secondary impact to supply chains still to be determined. Home based business have also been affected, however they are not able to be contacted or represented in these figures	Ipswich City Council staff visited affected businesses in the following areas:- ⇒ Ipswich CBD ⇒ Rosewood ⇒ Redbank ⇒ Redbank Plains ⇒ Wulkuraka ⇒ Goodna providing information regarding the assistance available from government, financial institutions and Telstra. 5 Business Enterprise Centre (BEC) officers are being deployed to the region – 1 will be based in Ipswich. Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich. Environmental Health Officers and Planning and Development Officers are performing reconnaissance and providing support to business owners and householders. 194 businesses have applied for $ 970,000 via assistance from Ipswich City Council - currently awaiting advice from BECA regarding total applications. Ie. some businesses apply directly via the website A Business Recovery Centres have been established in the: ⇒ Office of Economic Development (OED) ⇒ Max Employment – Goodna ⇒ Cr Pahlke's Office - Rosewood with the three levels of government represented to assist businesses. Temporary Business Centre has been established at the Ipswich City Square to provide affected businesses with access to computers, phones, and meeting rooms during the rebuilding phrase. Temporary Laundries have been set-up in Goodna. Events/Campaigns that are being organised to aid the recoveyr process, include; ⇒ Qld Raceway is holding a charity race day on the 6th February with all proceeds going to Ipswich Flood appeal. ⇒ Shop Ipswich Campaign, in conjunction with the Chamber of Commerce, is being developed to encourage everyone to use local suppliers during the rebuilding phrase.

	A series of information sessions in the Barry Jones Auditorium will be held 10am-11.30am Monday to Friday until further notice to assist businesses to lodge grant applications. ICC website currently contains Request for assistance questionnaire as well as information and fact sheets to assist with the rebuild.
What agricultural impact did the event have? minimal impact on agricultural industry in the Ipswich region.	Economic impact on the Ipswich based supply chain still to be identified
Number of employees impacted ? Approx 1700 employees directly. Indirect affect on supply chains undeterminable at this stage.	Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich.
Commercial Rail Services disrupted by landslides and bridge wash outs.	While Restoration works continue, QR national and Coal Companies are transporting Coal via road network to Ebenezner, where it is put onto rail for movement to Brisbane Port.
Problems with under-insurance and non-insurance.	Liaison is occurring with the Insurance Council of Australia. Insurance industry marquee and van set up at Ipswich Showgrounds Evacuation/Recovery Centre where all insurance companies can be represented and process claims for the community. Liaison is occurring with the Insurance Council of Australia.

Tactical Issues

- Ipswich City Council is assisting businesses to reinstate their identities (ABN & Tax File No.'s etc) where records have been lost.
- Ipswich City Council is promoting the assistance available to emails databases, via ICC website, facebook and twitter.
- Ipswich City Council is partnering with the Federal and State government on a media campaign to promote assistance.
- Trade shortages – working with radio stations in Brisbane and Sydney to access tradespersons to assist with rebuilding.
- Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts in terms of flood coverage and definition of a flood.
- Ipswich City Council Library have set up several computers with internet access for businesses who do not have access.
- Businesses now determining if they will be able to reopen and is so what they will require and at what cost.
- donations of goods and services continues and there is a need to manage storage and distribution as Charities are overflowing
- need to gain an understanding of the programs that DEEDI and BEC are undertaking within the Ipswich Community to allow Ipswich City to support and compliment.

Infrastructure Recovery

Impact assessment available to date	Recovery progress to date
In total, approximately 7,221 buildings in flood zone. 750-1000 houses identified as flood affected by QFS with rapid assessment continuing. Energex issued 1181 Form 3's to properties inundated by flood waters	Overall impact to infrastructure is still being undertaken.

Approx 766 roads have sustained various levels of damage	2 remain closed due to damage -Junction Road Karalee Lyndon Way to Bendemeer St, reconstruction work commenced on the 27/01/11. -Mt Crosby Weir Mt Crosby, Initial impact assessments being undertaken, with this expected to be completed by mid-February 2011.
Numerous Council owned buildings and properties have been damaged.	Initial impact assessments being undertaken, with this expected to be completed by mid-February 2011.
State authorities continue to assess damage to state owned property. Approximately 85 Government owned units of residential accommodation. Of this there is 37 houses and 49 units and duplex style accommodation. Also 4 local schools were impacted, being Ipswich SHS, Bundamba SS, Brassall SS and East Ipswich SS	Restoration works are underway. All Schools opened for first day of school, with temporary class rooms established.
Water Services for the majority of Ipswich area were not impacted, except for; ⇒ Boiling of water for Marburg area ⇒ Discoloured water in Karalee Areas	Water supply is back to normal and available to all areas.
Sewerage Services were impacted by flood waters, in terms; ⇒ 29 Pump stations being out of services ⇒ Bundamba and Goodna Wastewater treatment plants being out of service.	Restoration works have been undertaken, with the current status of infrastructure being; Next QUU update due on the 1/02/11. ⇒ Bundamba WRP has power returned to site. Primary treatment (screening) operational. Cleaning commenced within secondary treatment area. Pumps under repair by Nilsens. Currently achieving stage 1 treatment. ⇒ Goodna WRP has power returned to site. Primary treatment (screening) operational. Cleaning commenced within secondary treatment area. Pumps under repair by Nilsens. Currently achieving stage 1 treatment. ⇒ 11 sewerage pump stations operating on contingency (tankering and /or diesel pump)
Rosewood to Brisbane passenger Rail line Closed.	Track Ballast scouring occurred in several locations between Goodna and Rosewood this was restored on Saturday night. Goodna Station was inundated and restoration is in progress and expected to continue into Monday. Electrical location boxes for the signalling system were inundated in several locations including Goodna, Wacol, Redbank, East Ipswich and Ipswich restoration is continuing Monday.
Commercial Rail Services disrupted by landslides and bridge wash outs.	Restoration works continuing.
Electricity supply was cut to large areas of Ipswich, including over 4000 properties in unaffected areas as well as 1181 inundated properties.	All unaffected areas have had power restored. Energex have been reinstating power to properties after receiving electrical certification. Numbers are not known at this time.
Telstra network initial impact was mostly power related however all key sites were supported by generators. Key	These services were fully restored on 21st Jan. Telstra currently has an additional 11 Telstra Field Technicians working in the Ipswich area taking the total resource

equipment within the Ipswich Exchange was not impacted by flood water. Only major damage to Telstra infrastructure was a roadside cabinet (RIM) at Bundamba which was inundated with water .	number to 20. Where possible these 20 will be supported by additional resources from Brisbane.

Tactical issues

- Numerous bulletins and media releases have been disseminated to various media outlets.
- Teams are being assembled to prioritise and implement recovery.
- Lack of availability of certified tradespeople – working with Brisbane and Sydney radio to supply extra tradespeople.
- Council crews have begun to repair damage to roads and streets.

Environmental Recovery

In total, approximately 8'663 properties in flood zone.	
Disposal of flood and building Debris.	⇒ 20,115 tonnes of refuse has been transferred to landfill sites. ⇒ There are several local stockpile sites which need to be collected and taken to landfill sites ⇒ 40 m3 of asbestos collected to date with more waiting collection ⇒ Ipswich City Council have coordinated the provision of waste bin and waste removal in various areas of the city. ⇒ As of the 28 January 2011 owners of inundated properties are to contact Council to arrange debris pickup. ⇒ Boys Town crews to assist in the reinstatement of footpaths. ⇒ Removal of abandoned vehicles is commencing ⇒ Street sweeping program to commence the week beginning the 31st January.
Disposal of Hazardous waste	Hazardous waste collection occurring.
Flooding of septic tanks in unsewered areas	Septic tank pump outs are being coordinated through Ipswich City Council, with approx 20,000 litres being disposed of from Karalee, Bundamba, Booval and Thagoona.
Mosquito breeding (Vector control)	1st round of treatment is complete. Follow up treatment is planned to be completed by the 11 February 2011.
Environment Impacts to River banks and catchments.	Assessment of impacts on Catchments is being undertaken with Council Hydrology staff undertaking assessments from 28th thru to the 31st January. This information will be combined with that obtained by DERM to provide an overall assessment.

Tactical issues

⇒ Sporting Club rebuild strategy to be developed
⇒ Illegal dumping is occurring, with enforcement activities commencing.
⇒ Gaining access to properties were no debris removal has been undertaken is a issue now being addressed.
⇒ Development of the overall environmental impact needs to be undertaken.

Ipswich City Situation Report (SITREP)

Event: January 2011

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC	
Date	**Time**	**Sitrep No.**
04 February 2011	12:00 pm	30

WEATHER

Local observations:	**Ipswich** **Forecast for Friday** Morning drizzle, clearing to a mostly fine day with just the chance of an afternoon shower. Light to moderate NE winds. Precis: Morning drizzle, then mostly fine Max 34 UV Alert from 8:00 am to 4:10 pm, UV Index predicted to reach 14 [Extreme] **Saturday** A shower or two Min 22 Max 33 **Sunday** Shower or two, possible storm Min 23 Max 33 **Monday** A few showers, possible storm Min 23 Max 32 **Tuesday** A few showers, possible storm Min 22 Max 31 **Wednesday** Scattered showers Min 20 Max 27 **Thursday** A few showers Min 19 Max 29
Any difference from official weather reports:	Nil

Appendix 3: Recovery currently underway

Impact Assessments available to date	Recovery progress to date
HUMAN/SOCIAL RECOVERY: Communities were isolated during this flood event, including Karalee, North Ipswich/Brassall, Redbank, Rosewood.	No communities remain isolated
Approximately 8,663 properties impacted. Electricity supply was cut to large areas of Ipswich, including over 4,000 properties in unaffected areas as well as 1,181 inundated properties. Approximately 750 – 1,000 households have been assessed by QFS as damaged by flood water.	All unaffected areas have had power restored. Energex have been reinstating power to properties after receiving electrical certification. Numbers are not known at this time. 4/02/11: No update available from Energex
Evacuation Centres set up on 11 January 2011	The last evacuation centre closed 28/01/11

LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED	
			Sleeping	Feeding
Riverview Community Centre	11/1/11	50	60	300
Redbank Evac Centre	11/1/11	60	60	100
Boys Grammar	11/1/11	170	180	180

Girls Grammar	11/1/11	200	200	200
Showgrounds Salisbury Road, Ipswich	11/1/11	690	600	600
St Josephs Nth Ipswich	11/1/11	140	100	100
Shiloh Goodna	11/1/11	70	120	200
Christian outreach Redbank Plains Rd Goodna	11/1/11	60	60	60
Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	170	170
Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	80	80
Ipswich Golf Club	11/1/11	200	0	0
Karalee State School	11/1/11	370	300	300
Country Comfort Motel – frail aged couple			2	2
Metro Hotel – suspected chicken pox			3	3
		Total	**1935**	**2295**

Communities need assistance (Advise and assistance given by Department of Communities:	As at the 31 January 2011 next update will be on the 7 February 2011
Emergent Assistance Grants	8,298 to the value of $3,207,330.
Essential Household Contents Grants	1,647
Structural Assistance Grants	575
Premier's Disaster Relief Applications	1,747
Income and Asset Gross Weekly Tests	Unknown
Applications for the Essential Services Safety and Reconnection Scheme	1
Applications for the Premiers Disaster Relief Appeal	1,100
Communities need assistance (Advise and assistance given by Department of Communities:	Community recovery centres are operating in 7 Ipswich locations: a. Bundamba, Bremer Institute of TAFE b. Karalee, c. Max Employment Office at Goodna d. Riverview, e. Ipswich Show grounds, f. Rosewood. g. Gailes Note! The Department is planning to close the smaller outpost centres of Karalee, Rosewood, Gailes and Riverview on Friday, 4 February. The larger Recovery Centres at the Ipswich Showgrounds, Goodna and Bundamba will remain open until Friday, 11 February and it is proposed that a shop front open in Ipswich to continue to service the needs of the Ipswich residents..
Communities need assistance (Advise and assistance given by Department of Communities:	Counselors have been made available to recovery centre staff and other council staff who have suffered trauma as a result of their response to the flood disaster. St Vincent de Paul is currently undertaking assessments for household items; items will then be delivered to peoples homes. People in the Ipswich area can call 3812 2055 and people in the Brisbane area can call 3010 1096. **Ipswich Showgrounds Recovery Centre** The DEEDI business recovery van is currently located at the Ipswich Showgrounds Recovery Centre. Volunteer lawyers from Brisbane are located at the Ipswich Showgrounds Recovery Centre to provide assistance to community

	members as needed Clinical Psychologist Rob Gordon has confirmed attendance at the South West Region Non-Government Organisation forum to be held on 10 February 2011. Mr Gordon has worked with numerous agencies in responding to devastating events in Australia including Cyclone Larry.
Evacuees needed assistance with housing	Department of Housing currently undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as a basis of determining housing solutions.

Tactical issues

- Lifeline and Red Cross Counsellors have been dispatched and are available to the community for care and counselling.
- identification and management of the medium and long-term housing issues, as residents attempt to return to their houses and as current temporary arrangements are finalized with family and friends.
- *Service Delivery*

Following Ministerial approval, the region is progressing closure of a number of Community Recovery Centres and Outposts between 4 and 25 February.

Economic Recovery as at the 31 Jan 2011 4 Feb: No update available

Businesses impacted was Over 500 directly impacted, secondary impact to supply chains still to be determined. Home based business have also been affected, however they are not able to be contacted or represented in these figures	Ipswich City Council staff visited affected businesses in the following areas:- ⇒ Ipswich CBD ⇒ Rosewood ⇒ Redbank ⇒ Redbank Plains ⇒ Wulkuraka ⇒ Goodna providing information regarding the assistance available from government, financial institutions and Telstra. 5 Business Enterprise Centre (BEC) officers are being deployed to the region – One (1) will be based in Ipswich. Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich. Environmental Health Officers and Planning and Development Officers are performing reconnaissance and providing support to business owners and householders. 194 businesses have applied for $970,000 via assistance from Ipswich City Council - currently awaiting advice from BECA regarding total applications. Ie. some businesses apply directly via the website A Business Recovery Centres have been

	established in the: ⇒ Office of Economic Development (OED) ⇒ Max Employment – Goodna ⇒ Cr Pahlke's Office - Rosewood with the three (3) levels of government represented to assist businesses. Temporary Business Centre has been established at the Ipswich City Square to provide affected businesses with access to computers, phones, and meeting rooms during the rebuilding phrase. Temporary Laundries have been set-up in Goodna. Events/Campaigns that are being organised to aid the recovery process, include; ⇒ Qld Raceway is holding a charity race day on the 6 February with all proceeds going to Ipswich Flood appeal. ⇒ Shop Ipswich Campaign, in conjunction with the Chamber of Commerce, is being developed to encourage everyone to use local suppliers during the rebuilding phrase. A series of information sessions in the Barry Jones Auditorium will be held 10 am-11.30am Monday to Friday until further notice to assist businesses to lodge grant applications. ICC website currently contains Request for assistance questionnaire as well as information and fact sheets to assist with the rebuild.
What agricultural impact did the event have? minimal impact on agricultural industry in the Ipswich region.	Economic impact on the Ipswich based supply chain still to be identified
Number of employees impacted? Approx 1,700 employees directly. Indirect affect on supply chains undeterminable at this stage.	Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich.
Commercial Rail services disrupted by landslides and bridge wash outs.	While Restoration works continue, QR national and Coal Companies are transporting Coal via road network to Ebenezner, where it is put onto rail for movement to Brisbane Port.
Problems with under-insurance and non-insurance.	Liaison is occurring with the Insurance Council of Australia. Insurance industry marquee and van set up at Ipswich Showgrounds Evacuation/Recovery Centre where all insurance companies can be represented and process claims for the community. Liaison is occurring with the Insurance Council of Australia.

Tactical issues

- Ipswich City Council is assisting businesses to reinstate their identities (ABN & Tax File No.'s etc) where records have been lost.
- Ipswich City Council is promoting the assistance available to emails databases, via ICC website, facebook and twitter.
- Ipswich City Council is partnering with the Federal and State government on a media campaign to promote assistance.
- Trade shortages – working with radio stations in Brisbane and Sydney to access tradespersons to assist with rebuilding.
- Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts in terms of flood coverage and definition of a flood.
- Ipswich City Council Library have set up several computers with internet access for businesses who do not have access.
- Businesses now determining if they will be able to reopen and is so what they will require and at what cost.
- donations of goods and services continues and there is a need to manage storage and distribution as Charities are overflowing
- need to gain an understanding of the programs that DEEDI and BEC are undertaking within the Ipswich Community to allow Ipswich City to support and compliment.

Infrastructure Recovery

Impact assessment available to date	Recovery progress to date
In total, approximately 7,221 buildings in flood zone. 750-1,000 houses identified as flood affected by QFS with rapid assessment continuing. Energex issued 1,181 Form 3's to properties inundated by flood waters	Overall impact to infrastructure is still being undertaken.
Approx 766 roads have sustained various levels of damage (ES)	2 remain closed due to damage as at the 3 Feb 2011 -Junction Road Karalee Lyndon Way to Bendemeer St, reconstruction work commenced on the 27/01/11 and planned to be completed by the 11 Feb. -Mt Crosby Weir Mt Crosby, Initial impact assessments being undertaken, with this expected to be completed by mid-February 2011 • Urban roads - first pass assessment 100% complete which identified the following actions to be taken. • Rural roads –first pass assessment 80% complete which identified the following actions to be taken • Bridges – Level 1 Inspection complete • Bridges – Level 2 inspection s to be carried out on 32 bridges • Road Pavements – Urgent pavement repairs to commence 14 Feb • Rural roads – Temporary repairs are complete to allow access to properties on maintained roads • Rural gravel roads – repair schedule currently being prepared. • Drainage & culverts – detailed assessments approx 5% complete.

	The Natural Disaster Relief and Recovery Arrangements (NDRRA) • Initial discussions have been had with Department of Infrastructure & Planning regarding their expectations of what detail is required in claims for " (NDRRA)" • The first claim, under the NDRRA, for emergent repair to be submitted by the 15 Feb 2011 • 2 additional contract staff have been employed to assist with the preparation of the documentation .
Numerous Council owned buildings and properties have been damaged. (HPR)	Initial impact assessments being undertaken, with this expected to be completed by mid-February 2011. Built Environment – Council buildings • Assessments are currently 90% complete, however is planned to be completed by COB 4 Feb 2011 Issues – Major costs to restore Open Space – Council Parks & Reserves • First Pass assessment is 100% complete Issues – Major damage to Riverside parks
State authorities continue to assess damage to state owned property. Approximately 85 Government owned units of residential accommodation. Of this there is 37 houses and 49 units and duplex style accommodation. Also 4 local schools were impacted, being Ipswich SHS, Bundamba SS, Brassall SS and East Ipswich SS	Restoration works are underway. All Schools opened for first day of school, with temporary class rooms established.
Water Services for the majority of Ipswich area were not impacted, except for; ⇒ Boiling of water for Marburg area ⇒ Discoloured water in Karalee Areas	Water supply is back to normal and available to all areas.
Sewerage Services were impacted by flood waters, in terms; (QUU) ⇒ 29 Pump stations being out of services ⇒ Bundamba and Goodna Wastewater treatment plants being out of service.	Restoration works have been undertaken, with the current status of infrastructure being; Next QUU update due on the 1/02/11. 4/02/11:No update available from QUU ⇒ Bundamba WRP has power returned to site. Primary treatment (screening) operational. Cleaning commenced within secondary treatment area. Pumps under repair by Nilsens. Currently achieving stage 1 treatment. ⇒ Goodna WRP has power returned to site. Primary treatment (screening) operational. Cleaning commenced within secondary treatment area. Pumps under repair by Nilsens. Currently achieving stage 1 treatment. ⇒ 11 sewerage pump stations operating

	on contingency (tankering and /or diesel pump)
Rosewood to Brisbane passenger Rail line closed. (QUU)	Track Ballast scouring occurred in several locations between Goodna and Rosewood this was restored on Saturday night. Goodna Station was inundated and restoration is in progress and expected to continue into Monday. Electrical location boxes for the signaling system were inundated in several locations including Goodna, Wacol, Redbank, East Ipswich and Ipswich restoration is continuing Monday. 4/02/11:No update available from QUU
Commercial Rail services disrupted by landslides and bridge wash outs.	Restoration works continuing.
Electricity supply was cut to large areas of Ipswich, including over 4,000 properties in unaffected areas as well as 1,181 inundated properties.	All unaffected areas have had power restored. Energex have been reinstating power to properties after receiving electrical certification. Numbers are not known at this time. 4/02/11: No update available from Energex
Telstra network initial impact was mostly power related however all key sites were supported by generators. Key equipment within the Ipswich Exchange was not impacted by flood water. Only major damage to Telstra infrastructure was a roadside cabinet (RIM) at Bundamba which was inundated with water .	These services were fully restored on 21 Jan. Telstra currently has an additional 11 Telstra Field Technicians working in the Ipswich area taking the total resource number to 20. Where possible these 20 will be supported by additional resources from Brisbane. 4/02/11: No update available from Telstra
Tactical issues • Numerous bulletins and media releases have been disseminated to various media outlets. • Teams are being assembled to prioritise and implement recovery. • Lack of availability of certified tradespeople – working with Brisbane and Sydney radio to supply extra tradespeople. • Council crews have begun to repair damage to roads and streets.	

Environmental Recovery

In total, approximately 8,663 properties in flood zone.	
Disposal of flood and building Debris. (HPR)	as at 4 Feb ⇒ 23,924 tonnes now in landfill (waiting for data for last two (2) days for Thiess and Ti Tree and ICC transfer stations). ⇒ There are several local stockpile sites which need to be collected and taken to landfill sites ⇒ 40 m^3 of asbestos collected to date with more waiting collection . no update on asbestos, but minimal increase expected - continuing service ⇒ Ipswich City Council have coordinated the provision of waste bin and waste

	removal in various areas of the city. ⇒ As of the 28 January 2011 owners of inundated properties are to contact Council to arrange debris pickup. ⇒ Boys Town crews to assist in the reinstatement of footpaths. ⇒ Removal of abandoned vehicles is commencing ⇒ waste tyre collection now occurring ⇒ Street sweeping program to commence the week beginning the 31 January.
Disposal of Hazardous waste	Hazardous waste collection occurring. no update on chemicals, but minimal increase expected - continuing service
Flooding of septic tanks in unsewered areas	Septic tank pump outs are being coordinated through Ipswich City Council, with approx 20,000 litres being disposed of from Karalee, Bundamba, Booval and Thagoona. Septic pumpouts now completed - waiting for data on final waste volumes disposed
Mosquito breeding (Vector control)	First round of treatment is complete. Follow up treatment is planned to be completed by the 11 February 2011.
Environment Impacts to River banks and catchments.	Assessment of impacts on Catchments is being undertaken with Council Hydrology staff undertaking assessments from 28 through to 31 January 2011, currently the field assessments are 66% complete and are planned to be completed by the 11 Feb. This information will be combined with that obtained by DERM to provide an overall assessment which will be recorded on Council spatial mapping system.
Tactical issues ⇒ Sporting Club rebuild strategy to be developed ⇒ Illegal dumping is occurring, with enforcement activities commencing. ⇒ Gaining access to properties were no debris removal has been undertaken is a issue now being addressed. ⇒ Development of the overall environmental impact needs to be undertaken.	

Ipswich City Situation Report (SITREP)

Event: **January 2011**

FROM: Ipswich City Local Disaster Coordinator	TO: Ipswich City LDMG Ipswich and Somerset DDC

Date	Time	Sitrep No.
11 February 2011	12:00 pm	31

WEATHER

Local observations:	**Ipswich** **Forecast for Friday** Mostly fine, a possible shower. Light to moderate E to SE winds. Precis: Mostly fine, possible shower Max 31 UV Alert from 8:10 am to 4:00 pm, UV Index predicted to reach 13 [Extreme] **Saturday** Mostly fine, possible shower Min 18 Max 32 **Sunday** Shower or two, afternoon thunderstorm Min 20 Max 31 **Monday** Shower or two, afternoon thunderstorm Min 20 Max 30 **Tuesday** Showers, local thunder Min 20 Max 29 **Wednesday** Showers, local thunder Min 20 Max 29 **Thursday** Showers, local thunder Min 20 Max 29
Any difference from official weather reports:	Nil

Appendix 3: Recovery currently underway

Impact Assessments available to date	Recovery progress to date
HUMAN/SOCIAL RECOVERY: Communities were isolated during this flood event, including Karalee, North Ipswich/Brassall, Redbank, Rosewood.	No communities remain isolated
Approximately 8,663 properties impacted. Electricity supply was cut to large areas of Ipswich, including over 4,000 properties in unaffected areas as well as 1181 premises in the Ipswich City Council area where fuses have been removed from houses as a result of the floods. Approximately 750 – 1,000 households have been assessed by QFS as damaged by flood water.	All unaffected areas have had power restored. Energex have been reinstating power to properties after receiving electrical certification, Form 2's. Numbers are not known at this time. 11/02/11: No update available from Energex

Evacuation Centres set up on 11 January 2011			The last evacuation centre closed 28/01/11	
LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED	
			Sleeping	Feeding
Riverview Community Centre	11/1/11	50	60	300
Redbank Evac Centre	12/1/11	60	60	100
Boys Grammar	11/1/11	170	180	180
Girls Grammar	11/1/11	200	200	200

Showgrounds Salisbury Road, Ipswich	11/1/11	690	600	600
St Josephs Nth Ipswich	11/1/11	140	100	100
Shiloh Goodna	10/1/11	70	120	200
Christian outreach Redbank Plains Rd Goodna	11/1/11	60	60	60
Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	170	170
Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	80	80
Ipswich Golf Club	11/1/11	200	0	0
Karalee State School	11/1/11	370	300	300
Country Comfort Motel – frail aged couple	11/1/11		2	2
Metro Hotel – suspected chicken pox	14/1/11		3	3
		Total	**1935**	**2295**

Communities need assistance (Advise and assistance given by Department of Communities:	As at the 10 February 2011 next update will be on the 18 February 2011
Emergent Assistance Grants	8,935 to the value of $3,364,550 The Emergent Assistance Grant closes 11/02/11, however applications will still be taken for the Essential Contents and Structural Assistance Grants as necessary.
Essential Household Contents Grants	1849
Structural Assistance Grants	578
Premier's Disaster Relief Applications	1,747
Income and Asset Gross Weekly Tests	Unknown
Applications for the Essential Services Safety and Reconnection Scheme	26
Communities need assistance (Advise and assistance given by Department of Communities:	Community recovery centres are operating in 2 Ipswich locations: a. Bundamba, Bremer Institute of TAFE Closue date: Friday 11 February 2011 b. Karalee, Closed as at 4 February 2011 c. Max Employment Office at Goodna Proposed closue date: Friday 18 February 2011 **Note:** This centre will transition into a Community Recovery Referral and Information Centre from Saturday 19 February until Friday 11 March.. d. Riverview, Closed as at 4 February 2011 e. Ipswich Show grounds, Closue date: Friday 11 February 2011 f. Rosewood. Closed as at 4 February 2011 g. Gailes Closed as at 4 February 2011 h. Old Court House (cnr Limestone and East Sts) An Ipswich recovery centre as been established in the old Court House (cnr Limestone and East Sts) providing information and referral services. The centre is open normal business hours Mon – Fri. Additional community requiring support can continue to contact the hotline on 1800 173 349.
	- A Community Recovery Referral and Information Centre is open at the old

	courthouse Limestone Ipswich. It is open 8.30am – 5.30pm Monday to Friday and 9.30am – 4.30pm Saturday and Sunday. - A Community Recovery Referral and Information Centre will have information regarding assistance available to people affected by the floods and staff will also be able refer applicants to other agencies and services where necessary.
Communities need assistance (Advise and assistance given by Department of Communities:	Counselors have been made available to recovery centre staff and other council staff who have suffered trauma as a result of their response to the flood disaster. St Vincent de Paul is currently undertaking assessments for household items; items will then be delivered to peoples homes. People in the Ipswich area can call 3812 2055 and people in the Brisbane area can call 3010 1096. **Ipswich Showgrounds Recovery Centre** The DEEDI business recovery van is currently located at the Ipswich Showgrounds Recovery Centre. Volunteer lawyers from Brisbane are located at the Ipswich Showgrounds Recovery Centre to provide assistance to community members as needed Clinical Psychologist Rob Gordon has confirmed attendance at the South West Region Non-Government Organisation forum to be held on 10 February 2011. Mr Gordon has worked with numerous agencies in responding to devastating events in Australia including Cyclone Larry.
Evacuees needed assistance with housing	Department of Housing currently undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as a basis of determining housing solutions.
	Distribution centres and lists items See "attachment a"

Tactical issues

- Lifeline and Red Cross Counsellors have been dispatched and are available to the community for care and counselling.
- identification and management of the medium and long-term housing issues, as residents attempt to return to their houses and as current temporary arrangements are finalized with family and friends.
- *Service Delivery*

Following Ministerial approval, the region is progressing closure of a number of Community Recovery Centres and Outposts between 4 and 25 February.

Economic Recovery as at the 31 Jan 2011 **11 Feb: No update available**

188 Businesses were directly impacted 80 of those are now	Ipswich City Council staff visited affected

operating in the same location with 15 established elsewhere, 66 businesses are in the process of establishing with the remaining 27 undecided as to wether they will be capable of reopening. The secondary impact s to supply chains still to be determined. Home based business have also been affected, however they are proving difficult to identify and they are not represented in these figures.	businesses in the following areas:- Þ Ipswich CBD Þ Rosewood Þ Redbank Þ Redbank Plains Þ Goodna providing information regarding the assistance available from government, financial institutions and Telstra. 5 Business Enterprise Centre (BEC) officers have been being deployed to the region – 1 will be based in Ipswich. Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich. Environmental Health Officers and Planning and Development Officers are performing reconnaissance and providing support to business owners and householders. Council & the BEC have assisted 212 businesses from the greater Ipswich region to apply for $ 1060000 funding assistance The first payments were received 5 days after applying. note: some businesses apply directly via the website The Business Recovery Centres have now closed during to low numbers and the agency have returned to their original offices to deal assist via business as usual. A temporary Business Centre is being established in Ipswich City Square to provide affected businesses with access to computers, phones, and meeting rooms during the rebuilding phrase. This will be available as a temporary or touch down office and will also be used by the public subject to availability. Temporary Laundries have been set-up in Goodna. Events/Campaigns that are being organised to aid the recovery process, include; Þ Qld Raceway held a charity race day on the 6th February raising $23,000 with all proceeds going to the Ipswich Flood appeal. Þ A Shop Ipswich Campaign, in conjunction with the Chamber of Commerce, was launched on 2nd February 2011 to encourage everyone to use local suppliers during the rebuilding phrase.

	Information sessions in the Barry Jones Auditorium assisting businesses to lodge grant applications have now ceased due to low attendance ICC website currently contains Request for assistance questionnaire as well as information and fact sheets to assist with the rebuild.
What agricultural impact did the event have? minimal impact on agricultural industry in the Ipswich region.	Quotes to prepare an Economic Impact Study ranged from $ 40,000 to $ 60,000. A decision was made not to fund this and to focus on more tangible assistance to businesses
Number of employees impacted? Approx 1,700 employees directly. Indirect affect on supply chains undeterminable at this stage.	Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich.
Commercial Rail services disrupted by landslides and bridge wash outs.	While Restoration works continue, QR national and Coal Companies are transporting Coal via road network to Ebenezner, where it is put onto rail for movement to Brisbane Port.
Problems with under-insurance and non-insurance.	Liaison is occurring with the Insurance Council of Australia. Insurance industry marquee and van set up at Ipswich Showgrounds Evacuation/Recovery Centre where all insurance companies can be represented and process claims for the community. Liaison is occurring with the Insurance Council of Australia.

Tactical issues

- Ipswich City Council is assisting businesses to reinstate their identities (ABN & Tax File No.'s etc) where records have been lost.
- Ipswich City Council is promoting the assistance available to emails databases, via ICC website, facebook and twitter.
- Ipswich City Council is partnering with the Federal and State government on a media campaign to promote assistance.
- Trade shortages – working with radio stations in Brisbane and Sydney to access tradespersons to assist with rebuilding.
- Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts in terms of flood coverage and definition of a flood.
- Ipswich City Council Library have set up several computers with internet access for businesses who do not have access.
- Businesses now determining if they will be able to reopen and is so what they will require and at what cost.
- donations of goods and services continues and there is a need to manage storage and distribution as Charities are overflowing
- need to gain an understanding of the programs that DEEDI and BEC are undertaking within the Ipswich Community to allow Ipswich City to support and compliment.

Infrastructure Recovery

Impact assessment available to date	**Recovery progress to date**
In total, approximately 7,221 buildings in flood zone.	Overall impact to infrastructure is still being

750-1,000 houses identified as flood affected by QFS with rapid assessment continuing. Energex issued 1,181 Form 3's to properties inundated by flood waters	undertaken.
Approx 766 roads have sustained various levels of damage (ES)	2 remain closed due to damage as at the 3 Feb 2011 -Junction Road Karalee Lyndon Way to Bendemeer St, reconstruction work commenced on the 27/01/11 and planned to be completed by the 11 Feb. This work has been delayed due to rain and planned to be completed by the 18 Feb -Mt Crosby Weir Mt Crosby, Initial impact assessments being undertaken, with this expected to be completed by mid-February 2011 • Urban roads - first pass assessment 100% complete which identified the following actions to be taken. • Rural roads –first pass assessment 80% complete which identified the following actions to be taken • Bridges – Level 1 Inspection complete • Bridges – Level 2 inspection s to be carried out on 32 bridges • Road Pavements – Urgent pavement repairs to commence 14 Feb • Rural roads – Temporary repairs are complete to allow access to properties on maintained roads • Rural gravel roads – repair schedule currently being prepared. • Drainage & culverts – detailed assessments approx 5% complete. The Natural Disaster Relief and Recovery Arrangements (NDRRA) • Initial discussions have been had with Department of Infrastructure & Planning regarding their expectations of what detail is required in claims for " (NDRRA)" • The first claim, under the NDRRA, for emergent repair to be submitted by the 15 Feb 2011 • S additional contract staff have been employed to assist with the preparation of the documentation and inspections.
Numerous Council owned buildings and properties have been damaged. (HPR)	Initial impact assessments being undertaken, with this expected to be completed by mid-February 2011. Built Environment – Council buildings • Assessments are currently 90% complete, however is planned to be completed by COB 4 Feb 2011 Issues – Major costs to restore

	Open Space – Council Parks & Reserves • First Pass assessment is 100% complete Issues – Major damage to Riverside parks 11 Feb 2011 – No update available
State authorities continue to assess damage to state owned property. Approximately 85 Government owned units of residential accommodation. Of this there is 37 houses and 49 units and duplex style accommodation. Also 4 local schools were impacted, being Ipswich SHS, Bundamba SS, Brassall SS and East Ipswich SS	Restoration works are underway. All Schools opened for first day of school, with temporary class rooms established.
Water Services for the majority of Ipswich area were not impacted, except for; ⇒ Boiling of water for Marburg area ⇒ Discoloured water in Karalee Areas	Water supply is back to normal and available to all areas. 11/02/11: No update available
Sewerage Services were impacted by flood waters, in terms; (QUU) ⇒ 29 Pump stations being out of services ⇒ Bundamba and Goodna Wastewater treatment plants being out of service.	Restoration works have been undertaken, with the current status of infrastructure being; Next QUU update due on the 1/02/11. 4/02/11:No update available from QUU ⇒ Bundamba WRP has power returned to site. Primary treatment (screening) operational. Cleaning commenced within secondary treatment area. Pumps under repair by Nilsens. Currently achieving stage 1 treatment. ⇒ Goodna WRP has power returned to site. Primary treatment (screening) operational. Cleaning commenced within secondary treatment area. Pumps under repair by Nilsens. Currently achieving stage 1 treatment. ⇒ 11 sewerage pump stations operating on contingency (tankering and /or diesel pump) 11/02/11: No update available
Rosewood to Brisbane passenger Rail line closed. (QUU)	Track Ballast scouring occurred in several locations between Goodna and Rosewood this was restored on Saturday night. Goodna Station was inundated and restoration is in progress and expected to continue into Monday. Electrical location boxes for the signaling system were inundated in several locations including Goodna, Wacol, Redbank, East Ipswich and Ipswich restoration is continuing Monday. 4/02/11:No update available
Commercial Rail services disrupted by landslides and bridge wash outs.	Restoration works continuing.

Electricity supply was cut to large areas of Ipswich, including over 4,000 properties in unaffected areas as well as 1,181 inundated properties. 891 premises in the Ipswich City Council area. The majority of the 891 premises waiting for a Form 2 to be returned for reconnection, the majority of these premises are located in the following areas:- (1) Goodna - 222 (2) North Booval - 185 (3) Brassall - 68 (4) Karalee - 66 (5) Bundamba - 62 (6) East Ipswich - 54 (7) Barellan Point - 31 (8) Moores Pocket - 31 (9) Churchill - 22 (10) Gailes - 20 (11) North Ipswich - 20 (12) Riverview - 18 (13) Basin Pocket - 15	All unaffected areas have had power restored. Energex have been reinstating power to properties after receiving electrical certification. Numbers are not known at this time. 11/02/11: No update on the number of reconnections available from Energex. If there is a requirement for this reconnection information there will be a charge to Council.
Telstra network initial impact was mostly power related however all key sites were supported by generators. Key equipment within the Ipswich Exchange was not impacted by flood water. Only major damage to Telstra infrastructure was a roadside cabinet (RIM) at Bundamba which was inundated with water .	These services were fully restored on 21 Jan. Telstra currently has an additional 11 Telstra Field Technicians working in the Ipswich area taking the total resource number to 20. Where possible these 20 will be supported by additional resources from Brisbane. 11/02/11: No update available from Telstra

Tactical issues

- Numerous bulletins and media releases have been disseminated to various media outlets.
- Teams are being assembled to prioritise and implement recovery.
- Lack of availability of certified tradespeople – working with Brisbane and Sydney radio to supply extra tradespeople.
- Council crews have begun to repair damage to roads and streets.

Environmental Recovery

In total, approximately 8,663 properties in flood zone.	
Disposal of flood and building Debris. (HPR)	as at 31 Feb ⇒ 24015 tonnes now in landfill ⇒ All temporary stockpile sites have been cleaned up ⇒ 40 m^3 of asbestos collected to date with more waiting collection . no increase expected - continuing service ⇒ Ipswich City Council have coordinated the provision of waste bin and waste removal in various areas of the city. ⇒ As of the 28 January 2011 owners of inundated properties are to contact Council to arrange debris pickup. as at 4pm 10 Feb: 266 skip bin requests - 173 completed, all jobs allocated (including approx 70 jobs reallocated due to contractor no longer providing service), 5 had been cancelled by customers

	⇒ Boys Town crews to assist in the reinstatement of footpaths. ⇒ Removal of abandoned vehicles is commencing ⇒ 250 tyres collected to date ⇒ waste tyre collection now occurring ⇒ Street sweeping program to commence the week beginning the 31 January.
Disposal of Hazardous waste	estimated 1000 litres of chemicals collected, minimal increase expected - continuing service
Flooding of septic tanks in unsewered areas	Septic tank pump outs are being coordinated through Ipswich City Council, with approx 20,000 litres being disposed of from Karalee, Bundamba, Booval and Thagoona. Septic pumpouts now completed - waiting for data on final waste volumes disposed, occasional job occurring if necessary
Mosquito breeding (Vector control)	First round of treatment is complete. Follow up treatment is planned to be completed by the 11 February 2011.
Environment Impacts to River banks and catchments.	Assessment of impacts on Catchments is being undertaken with Council Hydrology staff undertaking assessments from 28 through to 31 January 2011, currently the field assessments are 66% complete and are planned to be completed by the 11 Feb. This information will be combined with that obtained by DERM to provide an overall assessment which will be recorded on Council spatial mapping system.

Tactical issues

⇒ Sporting Club rebuild strategy to be developed
⇒ Illegal dumping is occurring, with enforcement activities commencing.
⇒ Gaining access to properties were no debris removal has been undertaken is a issue now being addressed.
⇒ Development of the overall environmental impact needs to be undertaken.

Forward Planning

In total, approximately 8,663 properties in flood zone.	As of 4 Feb 2011
Key Issues	**Recovery Progress to Date**
Field Intelligence	Planning and Development staff provided extensive field intelligence for Health, Parks and Recreation and Engineering Services operations relating to damage assessments and debris removal / clean up activities.
Asset Inventories	Planning and Development staff undertook asset damage assessment and inventories for key elements of public infrastructure.
Approval Processes and Fees	Flood recovery assistance package relating to 'red tape' minimization, fast tracking of approvals and waiving and reducing application fees is in place for flood affected:- • residential areas; • business and industry areas; and

	• community / recreational and other (non residential / non business) uses. Special provisions enacted to enable rapid and thorough assessment of flood impacts on places of cultural heritage significance.

Tactical issues

⇒ Accurate information required as a matter of urgency to precisely determine the extent and depth of the 2011 Flood impacts.

⇒ All development applications received, but not yet decided have been reviewed for potential impacts from 2011 Flood.

⇒ All new development applications received are to be reviewed for potential impacts from 2011 Flood (NB: This may be liable to challenge given current planning scheme provisions).

⇒ Consideration to be given to use of new Department of Infrastructure and Planning (DIP) Temporary Planning Instrument 'template' to facilitate 'as is' rebuild of existing properties and possible extension to further consider 2011 Flood impacts for new developments.

⇒ To prepare Council evidence for Commission of Inquiry:-
- previous and current Ipswich / Moreton planning scheme provision being reviewed;
- major development applications within 2011 flood affected areas to be reviewed.

⇒ Major reviews to be undertaken (including incorporation of recommendations from Commission of Inquiry) for:-
- flood modelling and drainage problem assessments within Ipswich Local Government Area;
- relevant planning scheme provisions, including:-
  - flood regulation lines;
  - development constraints code provisions (eg building / development design and layout); and
  - potential land use changes (eg conversion of residential areas to non residential areas; and
- targeted acquisition (including the potential to utilise parks infrastructure land acquisition funds in tandem with available State and Commonwealth funding).

"Attachment a"
As at the 7 February 2011
Distribution Centres:

Name & Contact	Location & Contact	Services Provided	Opening Hours
St Vincent de Paul	Outreach Ipswich 3812 2055 Goodna 3010 1096	Clothing, furniture, linen, and access to food items	Outreach provided directly to flood affected to community.
Salvation Army	Riverview Farm BUNDAMBA Ph: 3282 1300	Immediate support with small grant for food and essential items. Application for provision of items not covered by insurance. Access to Counselling and Financial Counselling **Note:** Coal St Bundamba will operate as normal store with flood affected community being supported through the Riverview Farm. Whilst Riverview is being established community can access Salvation Army Coal Street.	Establishing staff and distribution mechanisms. Hours operation to be notified as soon as available. Anticipating will be operating by end of February.
Riverview Community Centre	138 Old Ipswich Rd RIVERVIEW Ph: 3816 2111	Clothing, bedding and furniture	9:00 am – 3:00 pm Monday - Friday
Redbank School of Arts	71 Brisbane Road GOODNA	Non perishable food items, clothing and furniture	12:00 pm – 7:00 pm 7 days/week
Shiloh Church Christian Care	72 Redbank Plains Rd GOODNA Ph: 3288 5966	Clothing, toys, and food parcels Welfare Support	9:00 – 3:00 pm Monday – Friday
Goodna	Basement Weeroona Pub GOODNA Brent: [redacted] Katrina: [redacted]	Clothing, cleaning materials, furniture, kitchen items	10:00 am – 2:00 pm Monday - Wednesday
Karalee	Karalee State School Summervilles Road KARALEE	Clothing, linen and furniture	10:00 am – 2:00 pm 7 days/week

The Queensland Government has established a system for capturing business and individual offers of assistance. All enquiries should be directed to the website or, alternatively, to the Dept of Communities Recovery Hotline that has revised scripting to receive offers of assistance via phone.

www.pledge.qld.gov.au/assist or 1800 173 349

The website will populate a database maintained by DCS and appropriate offers of assistance will be shared with District and Local disaster groups on a daily basis.

Community Meetings being held week commencing 7 February 2011:

BSA Floods Rebuilding:

Tuesday 8 February
Builders & Contractors 4:00 - 5:30 pm
Homeowners 6:00 – 8:00 pm
Brothers Leagues Club

Insurance Council of Australia:

Tuesday 8 February
7:00 pm – 9:00 pm
W G Hayden Humanities Centre (Auditorium)

Wednesday 9 February 2011
7:00 pm – 9:00 pm
Goodna State School
1 Albert Street, GOODNA
GOODNA

DDC 12 JANUARY 2011

ISSUES	RESOLVE
Attendees	Supt Pitman, Rachel Nolan MP, S/Sgt Goodner, Bruce Morton (Qld Health),Mark Kelly EMG, Eddie Bennet EMQ, Leanne Zischke D.E.T., Rick Brown (QBUILD), Annabell Johnston (Communities), Brook Winters (Communities), Tony Trace ICC, Melissa Jansen, Sgt Fox (RAAF).
Supt Pitman	• Further meetings to be held 1pm on Wednesday and Thursday • Recovery room commenced this morning and one issue is non access to banks -Centrelink in attendance • Good work done with local community • Mark Kelly –peak now downgraded to 20.5m expected at 3pm. 8658 houses affected, discussion on number of people evacuated and no of jobs SES attended. Further 10,000 sand bags and second recovery centre at Karalee. Ipswich attended 335 – 50 outstanding with some being call backs only • Community – Brook Winters – number of evacuation centres – non communication about the number available bringing concerns re feeding of people. Ripley Evacuation Centre is high needs due to elderly people • Supt – 10 officially registered evacuation centres in Ipswich. Very very good work being done re evacuation situation. Logistics are being finalised. Tony Price provided excellent assistance. • Indications that 1000's of people turning up and this was not the case however important for communication. • Today's peak and for tonight we need to look at reserves. St Josephs is now set up with staff assisting – • Tony - evacuation centres contacted and confirmation being completed on the appropriate contact person, looking at requirements and if possible, relocating some. Buying group working on shopping list with local businesses. Requests to DDMG have been submitted. S/Sgt Salton in office with ICC. Big food item is bread. • Supt Pitman – matrix prepared on evacuation unable to be maintained by QPS but need to ensure we work together to continue business. Status required this afternoon and another one at 5pm • Public Health – water and sewage being assess, council health inspectors attended but no incidents reported. • 2 surf live saving crews bought up from Gold Coast and will be based at SES HQ Ipswich • Eddie Bennet - QPS has taken over tasking helicopter support for Ipswich, Somerset and Toowoomba – 6 helicopters but one released to support EMQ. Requests direct to Brisbane MIR for tasking priorities. • Recovery group being set up at LDMG - Eddie Bennett, social and environmental recovery also needs to be considered.

	• Eddie Bennett – the recovery task has been split into 4 distinct groups • Communities – Nil evacuation issues - main issues is staff can't get in or out of the area – now 24 staff support. Fully operational at showgrounds. Ripley not advertising because it is for a specific group. • Annabelle - unable to get into Somerset area but liaising – process set up for people at Toogoolawah long term. Finance support provided over phone. Support to Gatton as well. Special permission to transport 8 staff, Red Cross to that area. Waiting to hear what support we can give to Fernvale. • Esk, Lowood and Toogoolawah isolated. Request for supplies to Coominya being completed. Esk/Toogoolawah longest area isolated. Rosewood – waiting for access. • Goodger – Nursing home set for occupants to be returned but some issues being addressed. No water in the facility. Police, ambulance and Fire working from Rosewood High school. • Rick – a couple of response calls for sand bagging at schools – waiting for water to recede. Minimal involvement at present. • Supt – affected housing figures only guestimated until figures provided now. • Tony Trace – included all houses where water touched houses – working on specifics of total/partial • RAAF – nil specific. Waiting mainly for recovery as lot of people can't get to work. Aircraft evacuated yesterday due to water on runway • Supt – seeking status of vehicle deployment - Goodger – nil at present as we are unable to get into the relevant areas. • Pitman – priorities identified – 1. Somerset Council Area 2. Re-supply issues with Esk Toogoolawah, Lowood and Coominya 3. Ipswich City 4. Flood peaks and the inundations 5. Police support for foot patrols increased to check re looting – upgraded and will do overnight and tomorrow. Teaming up with SES to assist • The management, coordination, information re evacuation details are expected and by midday tomorrow we should see the water receding to a range of 11 -13 m. • Bennett – Brisbane area is expecting a second peak. Brisbane expecting peaks on Thursday and Friday - we are only expecting one peak. Brisbane is fed through two different areas. • Supt – Need to focus on priorities. No DDMG tonight but local groups keeping watch – re-convene 1pm tomorrow. Tomorrow afternoon and Friday will be a significant stand down. QBUILD assist with inspection of houses. • QBUILD – electrical checks, building but not engineer checks of houses • Supt - Need to confirm the process of evacuation and know where the sources are coming from • Trace – one of the messages discussed this morning to get information out to the community that they just can't go back until

	the houses are inspected. • Supt – peak tonight will increase evacuations with some people wanting to return tomorrow afternoon. • Tony – looking at putting notices on each house stating not to be lived in until inspection clearance given • Nolan – clarify who is available to do the inspections as energex stating they do not have sufficient resources to complete same. • Tony – if we produced a list from energex it can be processed • Supt – sought status on any further alert messages going out • Kelly- message being sent off for approval by Trevor Nardi • Supt – seeking timeframe of message being put out. • Bennet – times out after 30 minutes. Slight change to wording. Sent to entire Ipswich government area. Some of the initial advice was sent outside set area but looking at reducing this to the specific area as not to raise alerts to unnecessary people • QAS – 7 high needs at Ripley - now removed to more suitable evacuation section. 4-5 calls from people with home oxygen • Supt – Goodger to send email to core group for 1pm meeting tomorrow and Friday • Johnstone – due to power loses request text or phone call.

"Peak" message not sent done over media channels

DDC 13 JANUARY 2011

ISSUES	RESOLVE
Attendees	Supt Pitman, Rachel Nolan MP, S/Sgt Goodger, Bernie Reinke, Melissa Janssen & Chris Hatch (RAAF), Mark Kelly EMG, Bruce Morton, Trevor Nardi, Terry Flanagan, Annabell Johnston (DOC), Wayne Wendt, Pam Lawe, Inspector Michael Ede, Tony Price (QBuild), Tony Trace ICC, Mark Stephens & Peter Dennis (QAS), Julie O'Halloran & David Sparks (DEEDI)
Supt Pitman	• Supt - Evacuation centres need strategy to monitor who/when people leave and return as some will be unable to return to their houses to live but will be there when possible to clean up. • Mark Kelly response – EMQ clean homes as we go • Supt Pitman - asking for information be aligned to give to occupants. LDMG evacuation centres need to be retained as they will need to provide food support etc whilst people clean etc their houses • Goodger – sitrep updates specific to homes affected • Kelly – electricians need to be organised. Some will want to collect personal items etc before complete clean out • Supt – Inspector Michael Ede needs the information re figures Need clarity for the sitrep - working with ICC to obtain these figures. • Supt – DDC does cover Somerset Council – has its meeting at 2.30 today. They are back at Esk and they have communication Expecting assistance calls • Supt – Lowood scenario critical, Kilcoy is OK, Linville now OK, Lowood has power back on, power to Fernvale street by street • Communities - teams in Somerset Dan • Supt – EMQ have got rapid response teams for support. • Tony (QB) - chasing up for electrical inspections – approx 40 electricians but servicing traditional clients eg Education etc. Also processing any requests for private residence. We are provided an address (by core group) and looked at if possible. We will get minimum working to allow them to get into house. If water went over switchboard it has to be replaced. Information comes back through council, applicants vetted and further information for decision to attend residents • Pitman - Trevor stats for evacuations centres could be a large number of families longer term absence • Trevor – shot term expected but can't be long term • Communities – sourcing accommodation through our recovery centres. For example for had a large number of dongers – we need to look at what is available locally • Tony (QB)- provide inspection and provide budget estimation and this allows communities to obtain tenders to compare. Have nil at

this stage due to other flooding. 6 inspectors back in from Monday. Only people without insurance is assisted. Hoping to get DOC housing inspections commenced on Monday. If DDC want structional inspections looking to find what engineers are available and should have that information tomorrow.

- Pam – Health –going quite well. Unable to release some people from hospital but seeking alternative accommodation. Riverview power won't be on until Friday and won't take residents back until Saturday. Moving 4 to relatives today.
- QAS – going well and not a lot of problems with delivery. Some staffing issues with people stranded. Response due to traffic congestion is a bit of a problem.
- Supt - excellent evacuation for Rosewood.
- QAS – identifying what medical centres are open to see if we can take patients to local clinics
- David (DEEDI) - business recovery for future with predicable issues – couple of intensified stock issues with stock running out of feed – this is our priority.
- Goodger – Warrego H/Way opened from Toowoomba to Ipswich 6a – 6p with weight restrictions on heavy vehicles
- Nolan – recommended request submitted through with specific information on agricultural requirements
- Supt – after the meeting provide specifics to see what we can assist in
- RAAF – ADF has a combined task force out of Enoggera for all of QLD. Allocated an element to support to Ipswich. Chris will have at least 100 people, mostly generally duties type. Have road vehicle support and some black hawk support. ADF 637 is engaged to help with immediate relief support – not engaged to look after the longer term recovery – here to stabilise probably a couple of week. Have people, equipment and trucks.
- Supt – Trevor, Tony – we need to make good use of this resource
- Bernie – (RAAF) - Area of operation has not yet been defined but at this stage with the ICC and around the edges but not to Esk. Here for LDMG.
- Chris (RAAF) – some specialist persons yet to come in, majority unskilled – once clarified we will focus on what is required.
- Supt – follow up discussion to identify a base
- Chris – everyone based at Amberly because they have all the support there however where the command task is we'll work from there.
- Bernie – anything beyond Chris's team will come back to me and JTF will review We prefer to do daylight hours only but 7 days a week. Available from tomorrows depending on what comes out today.
- Supt – contact details to be left with Robbie
- Bernie – besides Ipswich. Are there any other areas that need to be factored in that are critical beyond ICC.
- Supt – Toogoolawah, Kilcoy to the north, Kalbar and Boonah and

	Rosewood, Marburg and Lowood. Somerset Council • Bernie – request for of council boundaries. • Tony - Community Recovery – central office in Warf St evacuated and now operating out of showground re emergency assistance, also at Ipswich Girls, Ipswich Boys Grammar and Goodna. Teams in Somerset. Moving into [redacted], [redacted] and operating later today. A lot of our services are still not available due to flooding. Showground is a primary service area – Sth St is coordination area only. We invite relevant agencies in when need identified. Expect to be there for some weeks. This is the only place at present but other areas are being assessed. People can ph into the state-wide 1800173349 • Public health working with communities and dropped off pamphlets about issues for when you return to the home. • Supt - request some of them available for the local communities for when we get inquiries on what to do. • Pamphlet emailed to Robbie • Public health – water is a big issue. Warning to be sent this afternoon • Nardie – Red Cross getting more resources, daily food list done. Power is important issue at present. Origin energy is another issue in that we need to get that organisation operational. Craig Morsley over-viewing this and an update expected tomorrow. • Nardie – request old carpets etc to be placed on side of road for removal. Understand that we need to go back several time to pick up. Start date will be available tomorrow. • Supt – LDMG - 8a and 3a everyday Hayden 2nd floor 50 Sth St. Meeting here tomorrow at 1pm. Won't meet Sat and Sun. Reassess on Monday for meetings •

DDC 14 JANUARY 2011

ISSUES	RESOLVE
Attendees	Supt Pitman, Robbie Goodger (QPS), Mark Stephens (QAS); Melissa Jansen (RAAF), Ben Hayward (RAAF), Peter Dennis (QAS). Pam Lane (Qld Healther), David Sparks (DEEDI). Shane Williams (QPS), Lance Vercoe (QPS), Tony Trace (ICC), Trevor Nardi (ICC), Barry Pearce (QFRS); Tony Price (QBUILD), Mark Kelly (EMQ), Bruce Moreton (QH Public Healther); Chris Hatch (RAAF), Tony Smith (ARMY), Terry Flanagan (DOC)
Supt Pitman	• Flood map referenced, thanks to ICC for providing same. Approx 500 street locations affected, 132 streets still affected. • Sitrep – ICC have done some excellent work. As at 3.30am today nil houses still inundated. 300 – 400 yards still inundated. 760 houses evacuated and 1940 people evacuated. Houses impacted at peak was 2400, businesses 150 • Tony (ICC) – fly over being done that can be laid over our map and when done this will be provided. – new map • Supt – priorities sought from each area • Barry (QFS) – assist with recovery and maintaining core business requirements • Communities – Core business. Getting sufficient staff to set up another centre and more outreach commitment. 8 locations in total setting up another centre at Bundamaba TAFE tomorrow. Longer term - housing for people without insurance • ADF – Force establishment – getting some more task guidance and priorities • Public health – maintaining staff • Pam (Health) – maintaining emergency hospital services and focusing on flood related business. Core duties • Mark Kelley – working with LDMG and SES to return communities to dwellings • Tony (QB) – bringing all government infrastructure on line first and maintain core business for urgent business only • QAS – Core business and 42 stretcher patients from Chapel Hill to Riverview Gardens nursing home • David – (DEDI) – help businesses to start operating again – finance or vital supplies • Lance (QPS) – security of CBD • ICC – Evacuation centre and consolidation of Red Cross workers. • Supt – some scenarios need monitoring but need these matters understood and remain. People are our primary focus • Supt – status reports to DDMG sought • QFS – strike team available. Prioritise our response to recovery. Visiting approx 1800 homes. Mark Kelly - teams door knocking. QFS identifying houses that had been under water and taking

photos. EMQ – we need to talk to the owners to ascertain level of assistance including the 250 volunteers. Also looking at ADF

- Supt - Barry when status completed at the end of today the areas need to be mapped so we can ascertain, analyse data and provide the ability to prioritise.
- Tony (communities) – showgrounds and other evacuation reviews. Showgrounds has a large number of people. Next centre at TAFE will be bigger than showgrounds – additional to showgrounds. Considering centre for Rosewood. Control now set up at Hayden building, 7 days a week
- Public Health – inquiry re request submitted - confirmed. Staff at Lockyer. They can be deployed immediately. Request has gone through and now Health to liaise with ICC. Monitoring stats for any health issues – advice from GP and hospitals.
- Mark Kelley – home owner complete a form and this is matched with information received from QFS – if they don't want assistance we move on. Only door knock the affected houses only. Should finish door knock by lunch time tomorrow. Unable to accommodate our support staff so they are travelling each day. Stats are maintained on the request for jobs. Liaise with volunteers to ICC to assist with clean up of houses.
- Supt – seeking specific information – eg cleaning gear – what cleaning gear.
- Tony (QB) – electricians and building assessors – all our electrical and assessor contingency have been directed to attend government establishments
- Supt – replacement of electrical boxes. Further liaisons advised 3 organisation to assist with electrical requirements. We can act with ICC to Robbie to make contact to see what spare capacity they have and then how to direct their tasks. People need to know what they need to do when you have insurance and what to do if you have no insurance,
- Tony (QB) –will know more by middle of next week regarding electricians. By 4pm today should have a list of all affected houses from Ipswich and Inala. Tomorrow morning will have inspectors working with relevant people to establish if they can return or we need to relocate them. Set appointments for each of the tenants
- QAS – Chapel Hill is the biggest task.
- Pam – running a tetanus clinic from the hospital. Staffing not too bad. Lengthy trips due to road closures. Inquiry regarding fuel supply
- Tony (ICC) - being followed up and expecting fuel trucks through Ipswich this afternoon
- Pam – going down to one evacuation centre – showgrounds. ICC. ICC - Ripley will be right to close with only 3 people to come to the showgrounds
- DEEDI – Bris meats got their electricity connected as a result of Robbies phone calls – Supt - did push a few things with Energex and came to the party. Bris meats – 300 people now re-employed

	• DEEDI - One road block issue to liaise with Robbie after the meeting. Funding assistance available to small business and farmers. Ipswich and Goodna will be receiving applications and information sessions - get $5000 up front for their business and with more proof of hardship a further $20,000. $250,000 loan through the Qld Government is available however holding off on this proposal in the first instance. DEEDI – working very closing with ICC • ICC (Tony) – Consolidate evacuation centres to maintain – Karalee looking at high risk as a lot of people just don't have power – high meal centre. Found 20-30 local small areas looking for energex and seeking Robbie to follow this up • Supt - LDMG won't meet Saturday or Sunday unless required. Meet again on Monday. Recovery group will be working. Tony – response coordination team will be open – level 4. QFS from 6p – 6a. • Supt – some things will now return to normal policing response • Shane – Was at Rockhampton DDC before this. Some issues in recovery are what you have mentioned. Electricity is a high concern. One by QFS was solar panels damage caused to invertors. Some people go straight back into houses ignoring warnings. Hand out provided to people outlining what was available to them and how the process worked. • Supt – request Shane to obtain this information to utilise. Shane to follow up • Supt – Trevor, in recovery group recommend what may be used as a reference kit. • Lance – some concerns at evacuation centre at showgrounds - QPS now there 24 hours a day. Resources – going through the inundated areas to reduce the risk of looting – Ipswich to Goodna – police presence from 6p to 8a and rotated through with shifts. Inquiry re extended shopping hours • Supt – it was on the basis of groceries and this week-end approved Coles, Woolworths, IGA etc to work extra hours approved for Sat, Sun and Monday • ADF – series of tasks came through mainly garbage removal and will be put in place. Members currently familiarising themselves with the area. Numbers growing – need to ascertain how to achieve the best coverage. Engineer assistance coming on board so we need what tasks they can do. ICC disaster area. Primary focus is Ipswich but able to work outside this scope. Tony – need to establish definitions of flood. Chris looking at best place to set up, depending on where most tasks will come from. Tony – suggestion to set up show bag style to get information to relevant people. • Supt – wont be meeting Sat/Sun and may not be Monday – perhaps Tuesday and Thursday

DDC 18 JANUARY 2011

ISSUES	RESOLVE
Attendees	Supt Pitman, Robbie Goodger (QPS), Mark Stephens (QAS); Melissa Jansen (RAAF), Laurie Tony Price (QB), Ron Hemley (Main Rds and Transport), Annabelle Johnson (Communities), Jeff Peterson (RAAF), Russell Cross (Energex), David Preston (QPS), Kev Keillor (QPS), Col Neil (EMQ), Tony Price (Q-Build), Maurice Tauletta (Qld Rail), Jayne Barnes (QAS), Tom Parcsonace (QAS), Gary Madigan (Energex), Scott Notley (TMR), Tym Browne (Telstra), Gerry Costello (Qld Health), David Sparks (DEEDI), Cr Trevor Nardi (LDMG), Marg Byrne (Communities), Bruce Morton (Qld Health), Tony Trace (ICC), Robert Peterson (RAAF), Matthew Clarke (Dept Of Defence)
Supt Pitman	• Further meeting for 1pm Thursday • Check on priorities listed at last meeting • Trevor Nardi (ICC) – recovery committee set up re economics perspective, LDMG meeting tomorrow morning, cutting back on overnight housing. • Pitman – 2 evac centres still open and 61 still on overnight stays and 30 in Lowood. DOC's also looking at housing. Future – a lot of people staying in alternative accommodation and these will need assistance with housing and expect these numbers to grow. This will be more evident in the next few weeks/months. • ICC Trace – infrastructure aspect is being addressed and expect inspections to commence either this after or in the morning. • ICC Trevor – expect money cost in approx a week. • Tony QB – status update – State Government buildings is the focus -4 schools, Leichhardt, Brassall, Bremer and Bundamba being addressed for start of school. Housing – approx 85 owned buildings assessments and where possible getting gas and electricity back on. Damage to some is over $50,000 to repair and these are to be reported for a decision made on what action to take. Approx 30 people back in with basic needs. Area officer is capturing where all tenants are staying. • Pitman – inquired if electricians are available are they in a position to support other areas • Tony – yes if we can • Pitman – there would be an interest from the group for this to occur • Preston – Inquiry regarding the Ipswich evacuation centre finalising • ICC – Friday is the target to finalise evacuees from the Ipswich centre and reviewing a transition plan in consultation with DOCS. • Preston – suggested the use of Bremer High School for temp accommodation • Tony QB – request for use of Bremer would need to go back through education • ICC – issue to deal with transition is that some people at the

evacuation centre are quite settled with process and food supplies

- Energex – Russell – targeting to get transformers back on - dealing with some isolated pockets. Each transformer is logged as unstored and allocated to specific areas – physically checking house by house.
- Tony ICC offered to provide Energex with the same list provided by QFAS
- Energex – can correlate with current energex list.
- RAAF – we have our list to go through for clean up
- **Pitman – identify specific area/streets and request feedback on this matter for Thursday's meeting**
- Russell – Somerset challenges but waters coming down so hope to get into to get supply back to Fernvale. Wivenhoe Pk issues and urgent issues at Barellan - approsimately 30 clients but won't be able to get in for another week – looking at getting some individual generators.
- Pitman – Somerset are happy to get specific information to their customers via media
- Energex – caravan set up at Fernvale and was able to address inquiries from customers regarding the return of power. Restoration process being put together in flyers for distribution by councils. There is also the Master Electricians Number 1300889198. A lot of work in Karalee, Ipswich CBD is almost completed –
- Pitman - request numbers for Thursday's meeting regarding the number of businesses still seeking power in the CBD.
- Energex - Checks need to be completed by their own electrician. Only sights off are Coles (long term) and DOC's – power available to all CBD areas but need their own electrician to check and confirm
- Pitman - 755 people in Somset ???? ICC [redacted] -
- Energex – St Ives – transformer been cleaned and a lot of work for customers. People in Goodna at present checking them out
- Energex – most high voltage power is back but areas of where the ground is too wet they can't get to and some areas where lines are across the rivers or broken – may take into next week before on top of single customer line
- **Pitman – up to about 8 small community pockets -Somerset, Wivenhoe – sought an update for Thursday's – anything 8 and above and for Wivenhoe**
- Trace- how long will it take for Karalee to get power back on
- Energex – well advanced in Karalee – transformers are isolated for safety – all back except those inundated.
- Pitman – request to cross check with ICC
- Energex – have overlapped information from ICC and customers
- Andy Bickerton, Naomi Somerset and Tony joined by phone
- Telstra rep –30 NZ's have arrived to help. Disaster group in affected area and new manager for Lockyer area, fault lines around 2000 and expect an increase when people come home. Disaster

	group – going around and inspecting each business and checking main frames and the NZ team will check and replace big business areas. Physical checks have to be made – a number of pillars inundated. Cleaning groups tasked since Wednesday and cleaning and re-establishing. • **Tony Jacobs – still missing two mobile towers – network busy all the time and experiencing frequent drop outs. Lowood and Somerset – power was an issue to get the mobile towers up and running. TELSTRA to follow up and provide feedback for Thursday's meeting** • Telstra - Mobile towers run on back up battery for a limited time but due to calls utilised battery used up quickly. • Pitman – Fernvale/Lowood area have been out of service for 2-3 weeks so it is a timely priority to get a status • Ron – Main Rds – any Somerset issues – Tony - counterpart has been in contact with Sunshine area – a lot of large cracks and land slip areas underneath and above. Blackbutt Range a concern, Brisbane Valley H/Way, some bridges will need re building and may not be able to construct a temp route due to depth of gully. • Tony Jacobs request Ron contact Derek Deen Caboolture Office to see what assistance can be provided. • Ron – all roads open with caution – looking at restoration on Warrego and Ipswich m/ways. Mt Crosby Rd, Colleges Crossing and won't know what it is like until the water goes down. Expect mid next week before and assessment – side road is not adequate to cope with amount of traffic. • Pitman sought advice form ICC re main roads – nil other than Colleges Crossing – Nardi – this is a problem and something the Government needs to look at in future. • Pitman – no access means no access to get chemicals to the water plants • Pitman – large equipment to mines with wide loads – need to address road network to ascertain if the roads would be able to handle heavy transport so looking at getting mines progressing again. • David (DEEDI) -ICC and other agencies have been incredible in assisting smaller businesses. Getting cattle into abattoirs to canvass what roads are available to get the trucks through. Moving from problems to businesses operating to getting supplies in and out. Improvement identified. Good response from individuals helping each other and the same with larger businesses. • Pitman – seeking status Thursday's – looking at bigger players to get a status on where these are at • Communities – 12 community recovery centre – 9 in Ipswich , 3 in Somerset. Will re-establish to 4 recovery centres– 3 in Ipswich and 1 in Somerset. Ipswich Showgrounds, Bremer Tafe and park at Wacol and Fernavle recovery centre . Expect to transition from large to small in the next few days. • Tony Jacobs – inquiry re his area

- DOCS will probably set up in Fernvale and some are set up in schools so desire to move out of schools to allow them to get into school
- Tony Jacobs – Fernvale expected to close on Friday, Lowood centre - the school needs them out by Thursday and this is expected to close COB Wednesday – support with meals ceases on Friday.
- DOCS – have processed 3100 claims for personal hardship grant – 1.2 million dollar's 2717 grants for Ipswich as at 12 midday Monday. Estimate another 500 people per day onto that. Thank ICC for all the support they have given them. Applications for emergency assistance approx 20 in Somerset and 30 in Ipswich. These are the ones without insurance. Auditing all people per application, expect these figures to increase but there is specific criteria to meet the outcome.
- Essential needs grant applications up to $6000. Structural assistance – up to $14,000 and these are means tested. Does not include first car and home. Significant support form Centrelink, lifeline, QLD Health, Salvation Army, Red Cross. Significant area of need is counselling and needs are increasing – Fernvale/Lowood, Goodna and Ipswich area needing support.
- Qld Health – more counsellors offered through QLD health
- DOC-s we are encouraging any persons that can come to an evacuation centre to do so as it may be sometime before they can be visited.
- DOCS – team at Karalee has been there for a couple of days – not officially advertised as it is a school and need to close to allow them preparation for school
- Pitman – a number of people have approached me that have referenced the support in the highest regard
- Public Health – working in with ICC – supplying resources to ICC
- RAAF – Asbestos in Goodna is a concern
- Public Health- media put out in relation to asbestos
- Ipswich Hospital – fully operational by tomorrow. Unique infections from soil so community need to be encouraged to have it addressed rapidly. Out patients and elective surgery fully op tomorrow.
- QAS – Chapel Hill facility – residents returned. 90 people at Ripley have been returned to Riverview Gardens last Thursday. St Johns at Fernvale
- QR – some significant damage on rail – crews working since water went down – replacing electronics and electrics need to be replaced. Two test loco from Dara through and an electric train with Minister on board for test. Hopefully back on tomorrow. Not confirmed and not released. Richlands on line a week early to provide support.
- Ron inquired re Grantham – QR had no information on Grantham line as different organisation.
- ADF – since last meeting transition has stepped up. Extra 135 people, 335 people total and getting an extra 150 navy people, Priority is Goodna, Karalee, Nrth Booval and Brassall. At present

	committed to a 4 week period. Plant equipment provided for support. Seeking feedback on what work is required at Fernvale – nil available at present. If going longer than 4 weeks need to assess where to get staff from. Majority of work being done in Brisbane as we have to look at all of Queensland. • Pitman – request Somerset view – meet with ADF and will assist with 3 isolated areas and looking at 2 today – looking at clean up. QFAS almost finished wash down. • Pitman - request locations be relayed to ADF so they can follow up. • EMQ – SES status changed from operational to reckky again and 130 SES in Somerset area and getting to previously inaccessible area to ascertain what the situation is. SES going through Ipswich to provide response to ICC. 120 life savers also providing support to Ipswich today. • DOC – put out community recovery news – if you have information to include please email to Annabel and she will forward on. Put out every few days. Current as at 14/1/11 with a further one expected to be out on Friday. • Qld Education - Not sure which schools may not open and not sure about school bus run • Pitman – advice in QT indicating what schools will be open. Worth following up • Ron – for future Main Rds Office – we need to talk about communications due to restrictions experienced • Pitman – aware that each section is busy in their own way so we haven't harassed to ensure here. • ICC Tony Trace- Ipswich clean up with approximately 10,000 tons of debris. Average 4.5 tonnes per day. Goodna about 70-% complete, Karalae, Booval, at 30%. Started pumping out of septic tanks Karalee and Bundamba. About to commence VECTOR program.

DDC 20 JANUARY 2011

ISSUES	RESOLVE
Attendees	Insp Kev Keillor (QPS), Robbie Goodger (QPS), Maurice Tauletta (Qld Rail), Alex Pelerin (TMR), Paula Janssens (TMR), Ron Hemley (TMR), Tony Price (Q-Build), Lynn Shanahan (BSA), Tym Browne (Telstra), Bruce Morton (Qld Health), Russell Cross (Energex), David Sparks (DEEDI), Annabelle Johnstone (Communities), Cr Trevor Nardi (ICC LDMG), Rachel Nolan (MP), Tony Trace (ICC), Eddie Bennet (EMQ), Jeff Peterson (ADF), Tom Parsonage (QAS), Col Neil (EMQ), Peter Conelius (EMQ), Jerry Dudzinski (St Johns Ambulance)
Insp Keillor	• **Apologies from Supt Pitman and Insp Preston** • **1st item for follow up – Tony from Ipswich City Council – identify specific areas of streets and feedback, houses, infrastructure etc** • **Somerset – Pitman – up to about 8 small community pockets - Somerset, Wivenhoe – sought an update for Thursday's – anything 8 and above and for Wivenhoe** – communities/groups isolated. Small group west of Harlin access by 4wd on weekend. Community west of Esk Hampton Road – no issues. Another community east of Brisbane River down street of dam – dam releases. Access to 1 community. Up north community ongoing. All local council roads except for Hampton is State Controlled Road. Use of helicopter today to access areas isolated. Main roads gave all clear to open bridge. 15 tonne load limit on bridge only open for 12 hours. Temporary work to be conducted on bridge. Waste collection – domestic not provided a service. Ipswich Waste Service are providing services to the area. Flood debris waste – waiting confirmation from ADF if and when will be in Somerset. Haven't received confirmation. Water/sewerage – SEQ Water pumped to Lowood plant. Other water supplies functioning acceptably. Treatment plant will function. Towns for ADF to arrive to – Trucks and Loaders pick up furniture/carpet in rural area. Local contractors and volunteers cleaned town in Fernvale. Clarendon, Wivenhoe Pocket, Prenzlau – will take a long time to do. 3rd task – earthmoving equipment needs to cross 32 crossings in Mt Stanley road, need to be worked on. • **Tony Jacobs – still missing two mobile towers – network busy all the time and experiencing frequent drop outs. Lowood and Somerset – power was an issue to get the mobile towers up and running. TELSTRA to follow up and provide feedback for Thursday's meeting** – Telstra advised chased up at meeting and mobile based towers in Fernvale all up and running at 100 percent capacity. – Somerset found improvements over last few days. Definitely a lot better and not dropping out. • Firies identified Streets – 700 houses plus streets. Karalee area NAVY doing doorknocking checking on people and reporting back

	through the process. Also checking on the Businesses impacts. Treatment plant back on line. Water is fine – cloudy coloured water coming out of taps at Karalee will be rectifying. Sewerage is fine. Debris - Goodna 80% done, Karalee and North Booval 45%. Bundamba – David Street, Selwyn Street, Dianne Court biggest streets. Housing is other issue – keeping Showgrounds open for a little big longer. • QAS – there are some issues following storms last night (Wednesday 19/01/11) but nothing else to report. • TMR – buses for school next week. Colleges Crossing not pretty today. If bridge is there reckon can shift stuff and have it open on Saturday depending upon water level. Structural problems. Moggill Ferry – can't report on condition as it was damaged. Expecting high tide tonight (Thursday 20/01/11). Can't assess ramps at each side. Might be able to assess it on Friday. Mt Crosby Weir – structural issue of Weir – unsure of this matter. • Qld Rail – opening line from Ebenezer to Fishermans Island. Line up and running on Tuesday afternoon and storm hit. Still issues as stations affected at Goodna and Ipswich. • Energex – need to do electrical inspection at each site. Ipswich area is cleaned up. Work is now electrical for connections to houses. Using helicoptors for arranging poles to be flown in. Bit of work to do and a heap of people out there. • Telstra – getting New Zealanders in for 3 weeks. Impacted areas and high business zones to get up and running. Biggest fault areas Ipswich 108 at the moment, Goodna is at 75 highest in area. Jamboree at 176. • Communities – Ipswich City Council – Recovery centres at Showgrounds, Bremer Tafe and Wacol park. Wacol Park relocating to Goodna. 5000 personal hardship payments made to residents of Ipswich - 2 million in last week up to 12pm Thursday 20/01/11. Relocate and rehouse people who have been displaced, currently liaising with Somerset and Ipswich City Council's . 119 Staff out in the field working at recovery centres. Red Cross, Lifeline and Mental Health Team from Ipswich Hospital are great support and assisting. • Building Services – public housing 85 affected and 47 now back in houses. 38 not habitable. 5 under repair and 30 are not habitable to be further assessed for what to do with the properties. Building Services providing publication material to Ipswich area regarding re-building etc. Looking at conducting seminars in Ipswich area 5-10 minute presentation and question time from the floor. • Education Qld - Ipswich State High okay for Monday. Brassall State School – running for Monday and Year 7's over to Ipswich High School. Bundamba State School – limited access and up and running. East Ipswich – up and running. • SES – did 1800 tasks in the area in the last 6 days. • Rachel Nolan – everybody is working well and can't thank everybody enough.

	• Next Meeting Thursday 27th January at 1pm.

DDC 27 JANUARY 2011

ISSUES	RESOLVE
Attendees	Supt Garth Pitman (QPS), Insp Keillor (QPS), Insp Preston (QPS), Margaretta Burton (EMQ), Neil Vellacott (Energex), Jan Tooth (QAS), Maurice Tauletta (Qld Rail), Lynn Shanahan (BSA), Tony Price (Q-Build), Ron Hemley (TMR), David Sparks (DEEDI), Tony Trace (Ipswich City Council), Annabelle Johnstone (Communities), Bruce Morton (Qld Health), Cr Trevor Nardi (ICC)
Supt Pitman	• Supt Pitman gave a terms of Reference for Flood Enquiry • Somerset – now doing Recovery SITREP (Situation Report). • Ipswich City Council – Supt Pitman questioning if Situation Report available, is available - provided prior to meeting. • Cr Trevor Nardi – on recovery side of council, bulk of rubbish now collected on foothpaths. Skips are being organised. 2nd stage people staying at friends houses. 33 at evacuation centre approx 50 last night at showgrounds. All will have housing options when Evacuation Centre closes tomorrow (28/01/11). Recovery Centre will be open till 10 February 2011. Red Cross have been working with quite a large family group to relocate them. Laurie Munce doing economic and other committees will be established in the next week. Local Recovery Plan. Request copy of structure to Carl Wulff, Tony or Cr Trevor Nardi. Cr Nardi chairing recovery group. • Qld Health ??? - RFA's 6 for Somerset and 24 for Ipswich City Council. ADF been helping. Water and food all good and no outbreak. • Dept of Communities - Recovery Centres – smaller ones closing down Gailes/Riverview. Showgrounds, Max Employment Goodna, Bundamba TAFE closing 10 February 2011. Ipswich Showgrounds had 60 people on public holiday for follow up payments for Premier Relief. 8500 applications processed ($3 million) for whole of Ipswich disaster including Somerset (emergency financial assistance). Grants for utilities, sewerage, power can claim up to $4200. Working with Q-Build – wrap up assessments on structural. 300 Structural assessments to be done and 1700 for loss of essential household goods. Using flood map for the 1700 for loss of essential household goods. Fraud cases are popping up out in the Fernvale area, following up and small amounts. Goodna Child Safety are moving to Ipswich Courthouse in the next couple of weeks. • Businesses affected 500-750 in Ipswich. Somerset no good figures on this as yet. Staff shortages or not being able to operate. Trying to source cattle around all sorts of roads. Business to get back to normal aiming next 18 months. Ipswich City Council pitched in and been tremendous to get business recovery back on track. • TMR – 2 years in office and went for a swim up to the desks – in Clive Peters. Roads – emergent works finished. Ipswich area started recovery 10-15% into this. Routine type of stuff, challenge will be Lockyer Valley. Esk Hampton Road – still roads up there closed and

	Mt Sylvia. Fernvale Brisbane Valley Highway at Lowood – Caboolture look after this. Moggill Ferry believe both ramps are ready but not sure about the Ferry. Weir – not sure about this. Don't know if the Weir is open or not. • Q-Build – full on recovery mode now. Education sites – work full steam ahead. Dept Housing – unhabitable housing. 6 Sites currently working on. • Building Services - Recovery – huge register for tradies/builders enormous numbers 3000 registered but not activated. Some people have pulled out of register due to too much work and others ring up stating registered but have not had a call. Seminars mostly in affected areas – 2 portions (1st for contractors and 2nd for 6-7.30pm consumers) electrical, Timber Queensland, building inspectors for questions and referrals. Discussion will be what you can/can't do, should do etc. Master Builders are looking at a contract where you can waiver. Building Services are looking at a Special Contract for Emergency Repairs should be in the next week. • Qld Rail – Ipswich line fully operational. Replaced signal system which were affected. Lift at Goodna train station not operating. Transit centre clean and now safe. Coal line – now an issue providing QR National crews to get line up and running – maybe 6 months or longer. Running coal trains from Ebenezer. • QAS – 5 Victorian paramedics were up and have now flown back. • EMQ – quite active in local Government area and Somerset. Mark out there for another week or so. SES handed back to local areas to gain ownership. Ipswich area - 13 SES being deployed to Grantham for the next 2 weeks to assist with searches. Currently supporting local Governments. • Telstra?? – no backlog going pretty well. All resources for connections and meters have been replaced. High voltage supply for Fernvale has been restored. Transformers have to be cleaned and inspected. Tantivy Road sewerage pump was on yesterday. Adequate resources each day and strict on fatigue management. Resources from all over Australia. Patrolling lines with helicoptors and bikes. • Next Meeting - a date for end of February or early March



STATEMENT OF ACHIEVEMENT

Awarded to

Tony Trace

On successful completion of

SEM2016 Local Disaster Coordinator Induction

[redacted]

Bruce Grady
Assistant Director General
Emergency Management Queensland
Department of Community Safety

National Provider Number 4338
[redacted]
Brisbane Qld 4001

Date Award Issued: 20 December 2010

Award Number: 155338

Emergency Management EMQ Queensland

Queensland Government

Cairns Regional COUNCIL

UNISDR Making Cities Resilient Campaign

TUESDAY 30 NOVEMBER 2010

AGENDA

12 noon	Invitees arrive and seat – Civic Reception Room 2, Council Chambers
12.15pm	Mayor Val Schier to welcome and introduce Ms Margareta Wahlstrom
12.30pm	Ms Wahlstrom to give an overview of the Making Cities Resilient Campaign and to deliver key messages to the Local Disaster Management Group.
1.00pm	Presentation by Ms Wahlstrom
1.15 pm	Lunch
2.00 pm	Local Disaster Management Group Meeting commences (members and invited observers)
3:00pm	Leave for Airport

Please RSVP to Ann Le Comte on [redacted] or phone [redacted]

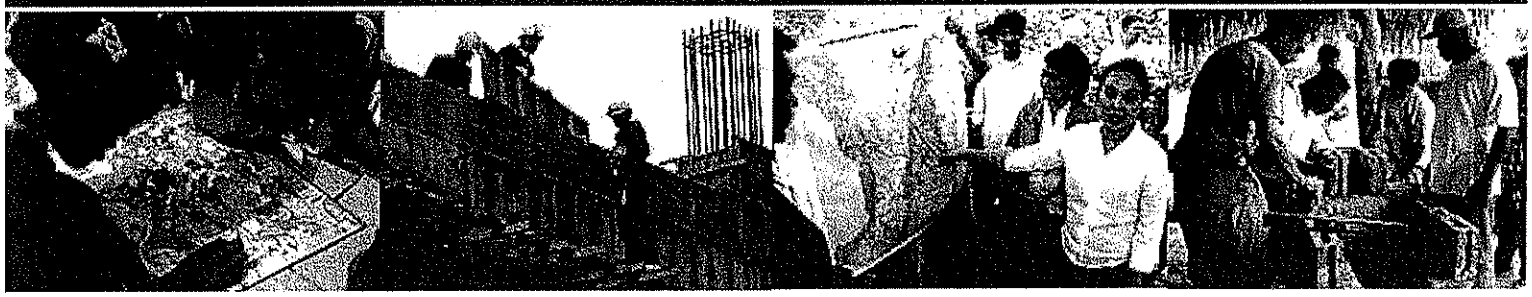
by Thursday 25 November 2010 for catering purposes.

#2986926

International Strategy for Disaster Reduction

Making Cities Resilient

My City is Getting Ready



2010-2011 World Disaster Reduction Campaign

Sign up today to make your **city** resilient to disasters

United Nations

Contents

Message from the Special Representative of the Secretary-General for Disaster Risk Reduction

Why are cities at risk?

- Natural hazards: an increasing concern for city planners
- What drives disaster risk in urban settings?
- Facts and figures

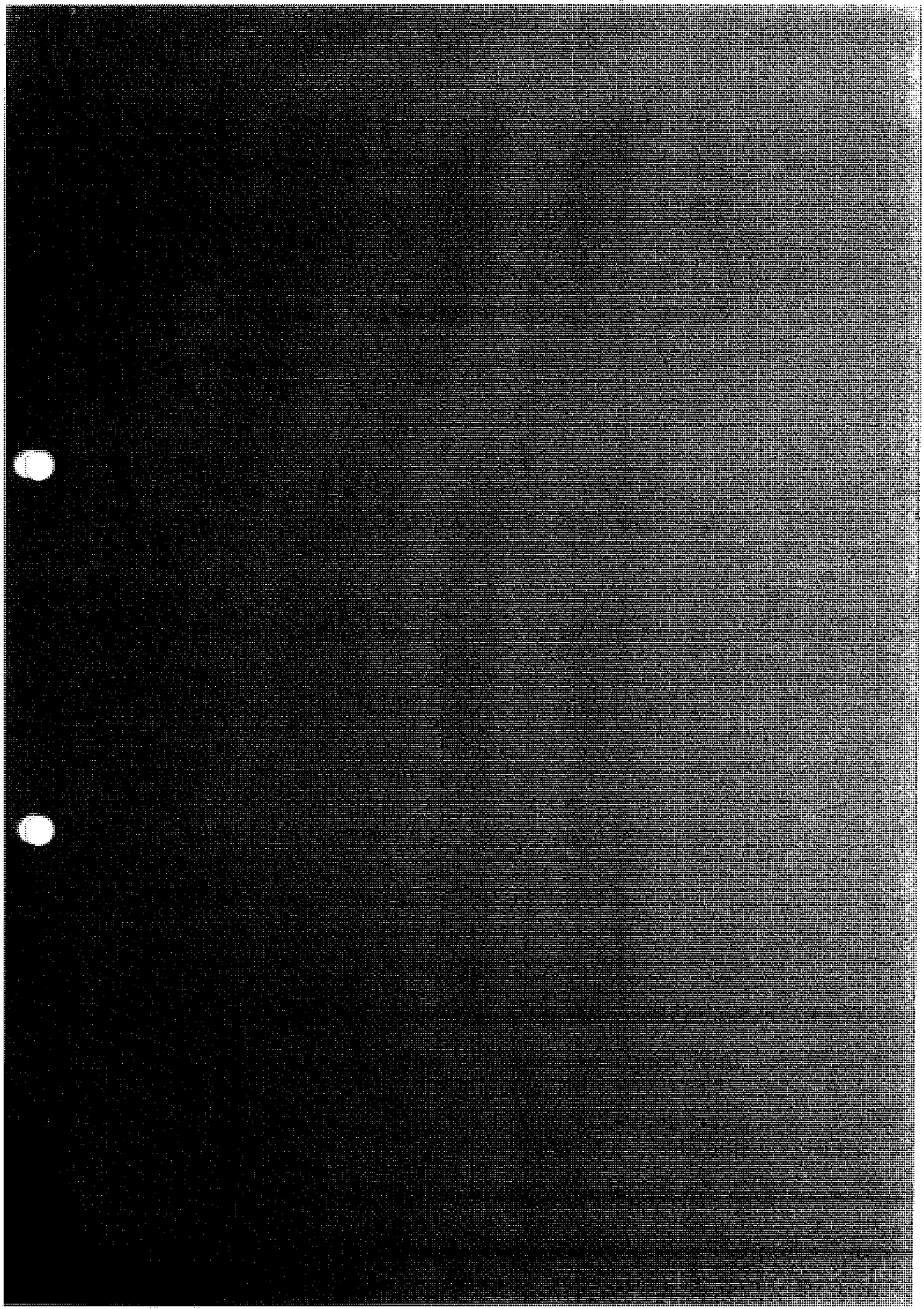
What is a disaster resilient city?

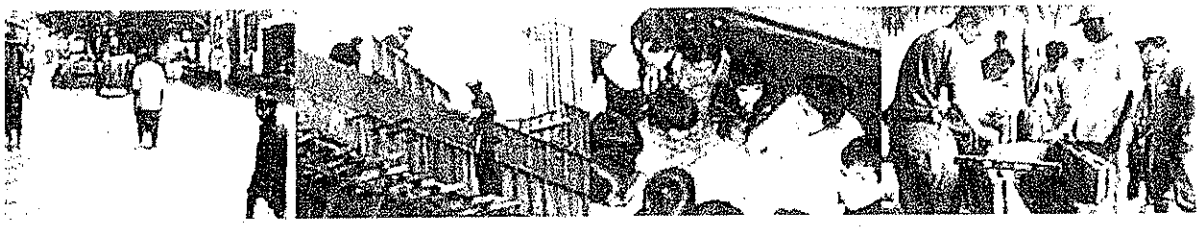
- A checklist: Ten essentials for making cities resilient
- Urban risk reduction as an opportunity – what are the benefits?

The Making Cities Resilient Campaign

- Main objectives of the campaign
- About the campaign partners
- Mayors and local governments – the keys to building resilient cities
- What can you do to make your city more resilient? Join the campaign!
- How to nominate a city for the campaign

More information





Is your city getting ready?

More than half of the world's population now lives in cities or urban centres. Urban settlements are the lifelines of society. They serve as nations' economic engines, they are centres of technology and innovation and they are living evidence of our cultural heritage. But cities can also become generators of new risks: failed infrastructure and services, environmental urban degradation, increasing informal settlements and almost a billion slum dwellers around the world. This makes many urban citizens more vulnerable to natural hazards.

The United Nations International Strategy for Disaster Reduction is working with its partners to raise awareness and commitment for sustainable development practices that will reduce disaster risk and increase the wellbeing and safety of citizens - to invest today for a better tomorrow. Building on previous campaigns focusing on education and the safety of schools and hospitals, ISDR partners are launching a new campaign in 2010: Making Cities Resilient. The campaign will seek to convince city leaders and local governments to commit to a checklist of Ten Essentials for Making Cities Resilient and to work alongside local activists, grassroots networks and national authorities.

UNISDR and its partners have developed this checklist as a starting point for all those who want to join in the campaign. Equally important is that commitment to these Ten Essentials will empower local governments and other agencies to implement the Hyogo Framework for Action 2005-2015: Building the Resilience of Nations and Communities to Disasters, adopted by 168 governments in 2005. Good urban and local governance is the key to this resilience!

Urban risk reduction delivers many benefits. When successfully applied as part of sustainable urbanization, resilient cities help reduce poverty, provide for growth and employment, and deliver greater social equity, fresh business opportunities, more balanced ecosystems, better health and improved education.

I call on mayors and local governments to join in the Making Cities Resilient Campaign 2010-2011: My City is Getting Ready Campaign and to consider how they can implement as many of the Ten Essentials for Making Cities Resilient as possible. They are the closest institutional level to citizens and are elected leaders, expected to respond to the needs and safety of their constituencies. Their participation and leadership are vital. I also call on civil society, planners and urban professionals from different sectors, national authorities and community groups to help develop innovative solutions and to engage with the local governments to reduce risk and to encourage good governance by working together.

The success of the campaign will be measured by how many mayors and local governments join and commit as Champions, Resilient City Role Models and Participants; how many lasting partnerships and local alliances among citizen groups and grassroots organizations, academia and private sector develop; how many cities introduce new plans or changes to reduce risk.

The tragic 2010 earthquake disaster in Haiti's capital Port-au-Prince and other cities was a wake-up call, followed by the earthquake and tsunami in Chile. Inaction is not an answer.

This information kit outlines the characteristics of a disaster resilient city and identifies what constitutes urban risk. It provides important facts and figures about disaster risk and describes the Making Cities Resilient Campaign 2010-2011. It informs mayors, local governments and other local actors about what they can do now to make their cities safer from disasters and how to get involved in the campaign.

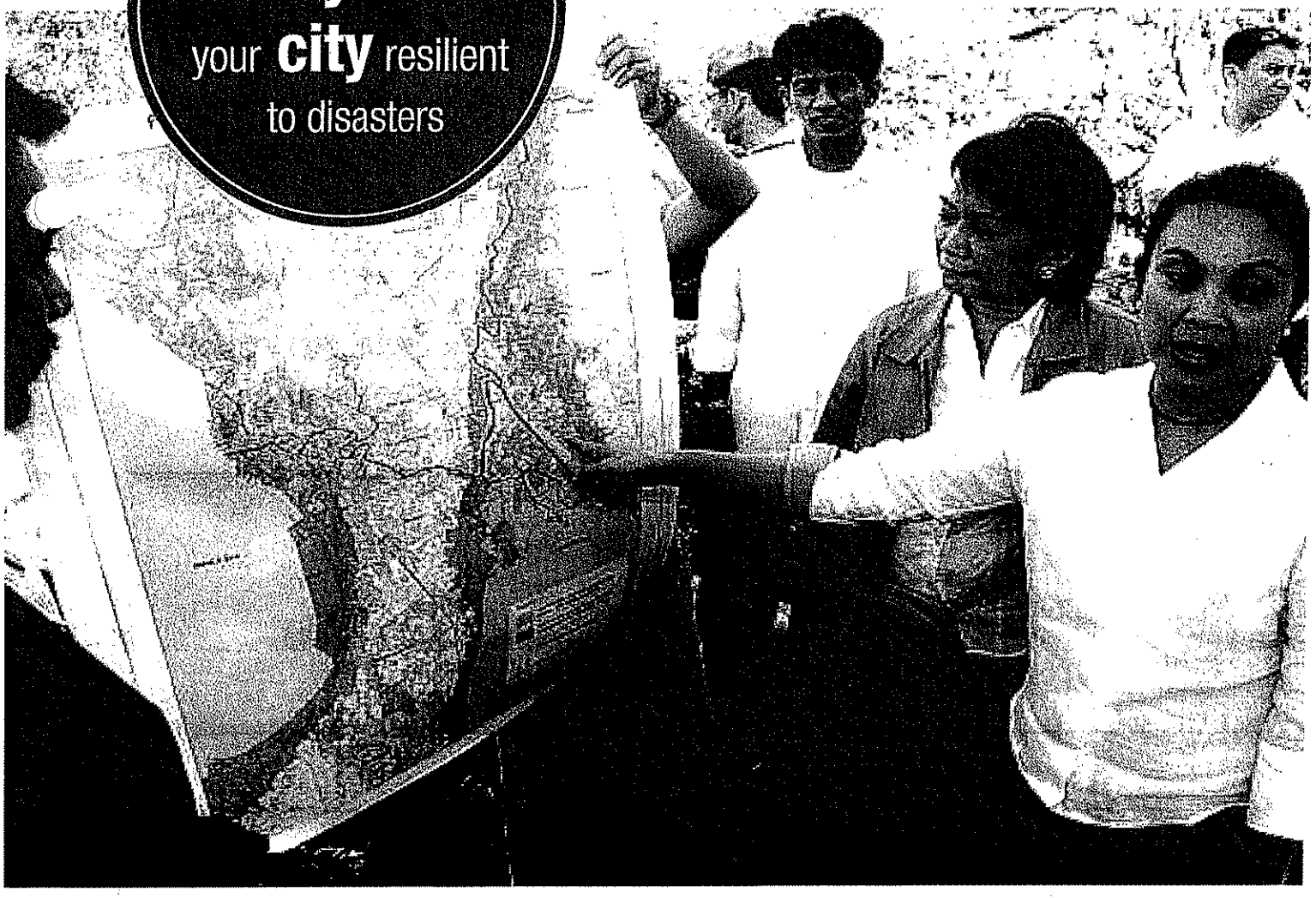
Margareta Wahlström,
Special Representative of the Secretary-General for Disaster Risk Reduction, United Nations International Strategy for Disaster Reduction

"I urge local authorities to accelerate all efforts to make cities safer to prevent the loss of lives and assets.

I have been travelling to many places around the world, witnessing for myself how local governments can contribute to [..] global challenges. It is not only the national governments. It is not only the President or Prime Minister or Government Ministers who can address climate change, sustainable economic development, poverty and disease. We need support and participation of local leaders: mayors, governors, county chiefs."

Message from the United Nations Secretary-General,
Mr. Ban Ki-moon
Incheon, 11 August 2009

Sign up today to make your **city** resilient to disasters



Raising awareness activities in the Philippines.

Why Are Cities at Risk?

Natural hazards: an increasing concern for city planners

Rapid urbanization has brought prosperity and opportunity to many people. This is the case where cities are well planned and well governed, keeping up with needed expansion in infrastructure and services. There are many rapidly growing cities where vulnerability has been reduced or controlled by good governance. One of these, for example, is Curitiba in Brazil: a city which has grown from a population of around 150,000 in 1950 to 2.5 million today. It has innovative environmental policies – including flood protection – and a high-quality living environment. A second Brazilian city, Porto Alegre, has grown sevenfold since 1950, and now has 3.5 million citizens, with strong grassroots organisations and the right to influence public investment priorities. This deliberate policy of citizen participation in local government has paid off, leaving the people of Porto Alegre with comparable environmental indicators and much the same life expectancy as city-dwellers in Western Europe or North America[1].

But these are the exceptions, the success stories. The big picture is more alarming. When combined with the impact of extreme climate events and increased poverty – as many as a billion people now live in urban slums and in extreme poverty - the increased crowding of cities has also created new stresses. More and more people are settling in potential danger zones such as on unstable hills, volcanic flanks or earthquake faults, flood plains and coastal areas. They do so because planners and local governments fail to provide alternatives, because they cannot afford safer land, or because they need to be closer to their sources of income.

Natural hazards should be of major concern to urban planners and managers. The impacts of these events are increasingly costly in terms of lost lives and property.

In the first decade of the 21st century (2000-2009), earthquakes accounted for nearly 60 per cent of the people killed by disasters, according to the Centre for Research on Epidemiology of Disasters (CRED). Climate related disasters such as flooding, flash floods, tropical cyclones, drought, wildfires and heat waves now affect more people worldwide. Climate change is accelerating and the melting of glaciers has severe consequences, among them glacial lake outbursts and flash floods. Sea level rise will put hundreds of cities in low-elevation coastal zones, and low-lying small islands, at risk of disaster, according to the Inter-governmental Panel on Climate Change.

UN-HABITAT estimates there are 3,351 cities located in low-elevation coastal zones around the world. Of the top 30 cities, 19 are in river deltas. The top ten, in terms of population exposed to coastal flood hazard, are Mumbai, Guangzhou, Shanghai, Miami, Ho Chi Minh City, Kolkata, Greater New York, Osaka-Kobe, Alexandria and New Orleans.



1 Menegat, Rualdo (2002), "Environmental management in Porto Alegre", *Environment and Urbanization*, Vol. 14, No. 2, October, pp 181–206.

An overview of natural hazards and urban concerns

Natural hazards affect cities in different ways but there is potential for disaster as city authorities struggle to manage overcrowding, rapid urbanization, and environmental degradation.



Earthquake

Urban concerns: Many densely built and populated cities lie on earthquake belts. Non-engineered and poorly-built or badly-maintained buildings cannot withstand the force of seismic shocks, and are more likely to collapse. Most earthquake deaths are due to building collapses.



Landslide

Urban concerns: A growing number of badly built or makeshift homes that have sprung up on or below steep slopes, on cliffs or at river mouths in mountain valleys, combined with poor drainage or slope protection, means that more people are exposed to catastrophic landslides, triggered by rainfall saturation or seismic activity.



Volcanic Eruption

Urban concerns: Settlements on volcano flanks or in historic paths of mud/lava flows put millions of people at risk. Adequate early warning systems and constructions to withstand ash and lahar flows are concerns for urban and rural areas near volcanoes.



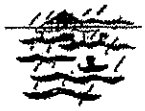
Tsunami

Urban concerns: Many cities have been built along tsunami-prone coasts. Adequate construction, early warning systems and evacuation plans are primary measures to address these.



Tropical Cyclone

Urban concerns: Many urban areas are exposed to cyclones, strong winds and heavy rain. Wind resistant constructions, early warning systems with advice for households to lock up windows and secure property and, if necessary, evacuate are primary measures (see also flood).



Flood

Urban concerns: Flash floods are a growing urban hazard because concrete and compacted earth will not absorb water, because open spaces have been colonised, because engineering works have diverted river flows, because city drainage systems are inadequate. Housing on river banks or near deltas, may be badly built or dangerously sited.



Fire

Urban concerns: Urban fires stem from industrial explosions or earthquakes. Accidental fires are serious, especially in informal settlements. Fire risks are increasing due to high density building, new construction materials, more high-rise buildings, and greater use of energy in concentrated areas. Uncontrolled wildfires can reach urban areas.



Drought

Urban concerns: Drought is an increasing slow onset disaster that triggers migration to urban areas, putting pressure on housing, employment, basic services and the food supply from surrounding countryside. Many slums in Africa are filled with rural families driven from their villages by prolonged drought or conflict.

What drives disaster risk in urban settings?

"Through the campaign towards safer cities and urban risk reduction, we can save lives, achieve gains towards the Millennium Development Goals, help protect natural resources, the urban heritage and the economic activities..."

Rishi Raj Lumsali, *Chairperson of the Association of District Development Committee of Nepal*

Rising urban populations and increased density

Today, more than 3 billion people - half the world's population - live in urban areas. People are moving to cities in greater numbers than at any time in history, pulled by hope of better opportunities or pushed from rural areas by poverty, environmental degradation, conflicts, floods or drought. Natural increase is also a large contributor to urban population growth and density. High population density is a significant risk driver where the quality of housing, infrastructure and services is poor.

It need not be so. Many high density residential areas in Europe, Japan and North America are indeed safe, and protect citizens from storms and quakes. This is not the case of an increasing number of informal settlements. By the middle of the 21st century, the total urban population of the developing world is expected to more than double in number, increasing from 2.3 billion in 2005[2] to 5.3 billion in 2050. Nearly three quarters of the urban population and most of the largest cities are now in low- and middle-income nations: a sevenfold increase since the 1950s[3].

Weak urban governance

How this large and rapidly growing urban population is served and governed have major implications for development, and for reducing disaster risk. In high-income nations, a comprehensive web of infrastructure and institutions help reduce risks from disasters and disaster impacts. Urban populations there take for granted that they have institutions, infrastructure, services and regulations that protect them from disasters – including extreme weather, floods, fires and technological accidents. These institutions also supply everyday needs: health care services integrated with emergency services and sewer and drainage systems that serve daily requirements but also can cope with storms. But only a very small proportion of urban centres in low- and middle-income nations have a comparable web of institutions, infrastructure, services and regulations. In cases of poor urban governance, local authorities are unable to provide infrastructure, services or safe land for housing. A weak and poorly - resourced local government that lacks investment capacity and competence that is not engaged in participatory and strategic urban and spatial planning on behalf of low-income citizens in informal settlements, will not embrace the challenge of resilience, and will increase the vulnerability of much of the urban population. Cities such as Mumbai and Bangalore have a high proportion of people living in slums or informal settlements without basic services. But these cities certainly have enough prosperity to address such issues thanks to the central government which has allocated a very large capital sum to support city governments[4].

Unplanned urban development

Challenges posed by the rapid growth of many cities and the decline of others, the expansion of the informal sector and the role of cities in both causing and mitigating climate change, all require strong urban planning systems. Many cities in Latin America, Africa and Asia have doubled their size in less than 30 years. UN-HABITAT projected that by 2015, 12 of the 15 largest cities worldwide will be in developing countries. Much of the urban expansion takes place outside the official and legal frameworks of building codes, land use regulations and land transactions. Existing planning instruments are often unrealistic. Sustainable urbanization requires comprehensive steps to manage risk and emergency plans; and to enforce urban planning regulations and building codes on the basis of realistic standards, without excluding the poor.

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2 UN-HABITAT (2009), *Planning Sustainable Cities: Global Report on Human Settlements 2009*, Earthscan, London and Sterling, VA.
3 Satterthwaite, David (2007), *The Transition to a Predominantly Urban World and its Underpinnings*, Human Settlements.
4 Dodman, David, Jorgelina Hardoy and Satterthwaite, David (2009), "Urban Development and Intensive and Extensive Risk", background paper for the *ISDR Global Assessment Report on Disaster Risk Reduction 2009*, International Institute for Environment and Development (IIED), London.

Lack of available land for low-income citizens

Most of the urban poor are more exposed to hazards and disasters because they live in informal settlements on unsafe sites where basic services are often lacking. Currently, one in four households lives in poverty in the developing world, 40% being in African cities. In the developing world, 25 to 50% of the people live in informal settlements or slums in and around urban centres, and this number is are growing by 25 million people per year[5].

Inappropriate construction

Inappropriate construction puts millions needlessly in danger. Many die or are seriously injured when buildings collapse after earthquakes, landslides, severe storms, flash floods and tsunamis. Up to 80% of deaths from natural disasters occur in buildings that collapse during earthquakes, according to available statistics.

Building codes and regulations set minimum standards for safety, including for fire protection and resistance to natural hazards in many countries. Building practices and the enforcement of the regulations are essential and are often the missing link. Cutting of costs, lack of incentive or distorting incentives, coupled with corruption, are the main reasons why even well-designed buildings may collapse. Informal settlements and illegal or non-engineered constructions shelter the greater part of city dwellers in developing countries. Even if they have money, people with no property rights or insecure tenure will not invest in safe structures or improvements.

Upgrading critical infrastructure and public buildings would be a minimum requirement for sustainable urbanizations and resilience. Safe schools and hospitals would provide necessary shelter and services. Storm drainage would reduce floods and landslides - and at low cost.

Concentration of economic assets

Economic growth has been fastest in coastal regions and near large navigable rivers, at risk from flooding, sea level rise and extreme weather events which could become more frequent and intense due to climate change. Economic assets tend to be clustered in large cities. Disasters there can have devastating effects on the local and national economy, as well as in lost lives and severe injuries, such as during the Great Hanshin Awaji earthquake that destroyed the port and much of the city of Kobe in Japan, in 1995. Kobe City has recovered completely and has since put in place a comprehensive and innovative set of policies and actions to deal with disaster risk.

Ecosystems decline

Ecosystems provide substantial benefits and services to cities and local governments. Yet as a result of unplanned urban development and economic growth, many ecosystems have been significantly altered and exploited, leading to a dangerous imbalance. Squatter encroachment on waterways and a shortage of appropriate drainage systems have exposed many urban areas to flash floods. Deforestation has led to hillside erosion, making people vulnerable to landslides triggered by heavy rains, and the use of concrete has changed the capacity of soil to absorb flash floods. 60% of ecosystem services are in decline while consumption is increasing at a rate of more than 80% [6]. Fewer than half of the cities in the world have urban environment plans[7].



5 International Strategy for Disaster Reduction (ISDR) (2009), *Global Assessment Report on Disaster Risk Reduction*, United Nations, Geneva.
6 Millennium Ecosystem Assessment (2005), *Ecosystems and Human Well-Being: Current State and Trends: Findings of the Condition and Trends Working Group*. Island Press, Washington D.C.
7 Alber, Gotelind and Jollands, Nigel (2009), "Cities, their energy use, and washing lines", *Urban World*, Volume 1 Issue 4, pp. 8-10.

Facts and Figures

Not only are cities home to over three billion people, but they are the economic engines of our societies and account for most nations' wealth. In fact, most of the global GDP of US$ 39.4 trillion (2007 figure, in constant 2000 US$) is generated in urban environments.[1]

Projected losses from earthquakes in megacities...

Istanbul: *A large earthquake in Istanbul would be expected to kill 40,000 persons, injure 200,000 and leave a staggering 400,000 households in need of shelter. About 40,000 buildings would be uninhabitable or suffer total collapse through "pancake type failure". Another 300,000 more would have moderate to severe damages. The direct monetary losses due to building damage alone would add up to US$ 11 billion.*

Tehran: *The North Tehran and Mosha faults situated towards the northern side of Greater Tehran and the Ray Fault on the southern limits of the city have the potential to generate Mw= 7.2 and 6.7 respectively. This, according to the earthquake scenarios developed under the JICA-CEST, 1999-2000, could produce a death toll of 120,000 to 380,000 if either of the two faults were to move, because of the vulnerability of existing structures.*

Mumbai: *Several studies suggest that one of the most vulnerable elements exposed in Mumbai is its building stock, which certainly contributes to the increasing risk of its population. The Mumbai region is entirely urban and the building stock exhibits a rich mix of several different technologies. A moderately low earthquake intensity level of VII (MSK scale) in the city could produce a death toll of 34,000 if it was to happen early in the morning. The flood risk is high.*

Kathmandu City: *A large influx of migrants has increased pressure on the local authorities to provide housing and basic services. The old part of town is particularly vulnerable due to: a) poor living conditions in high density neighbourhoods, b) poor capacity of the buildings to withstand seismic forces, c) narrow roadways that limit access in an emergency response, and d) limited water provision along with intricate electrical installations where fires can easily take hold*[8].

In small urban centres

Many people in Africa, Asia and Latin America live in tens of thousands of small urban centres and in hundreds of thousands of large villages that have several thousand inhabitants and that might also be considered as small urban centres. The extent to which their populations face disaster needs consideration – especially given the over-concentration in the literature on large cities or mega-cities. Far more people live in small urban centres in low- and middle-income nations than in mega-cities.

Some of Turkey's biggest builders have readily admitted to using shoddy materials and bad practices in the urban construction boom. In an interview in 2009 with the Turkish publication *Referans*, a billionaire Turkish developer described how in the 1970s, salty sea sand and scrap iron were routinely used in buildings made of reinforced concrete. "At that time, this was the best material," he said, according to a translation of the interview. "Not just us, but all companies were doing the same thing. If an earthquake occurs in Istanbul, not even the army will be able to get in."

Source: *In megacities, 'rubble in waiting'; Millions are put at risk by flimsy housing built in populous quake zones, by Andrew C Revkin, International Herald Tribune, 26 February 2010.*

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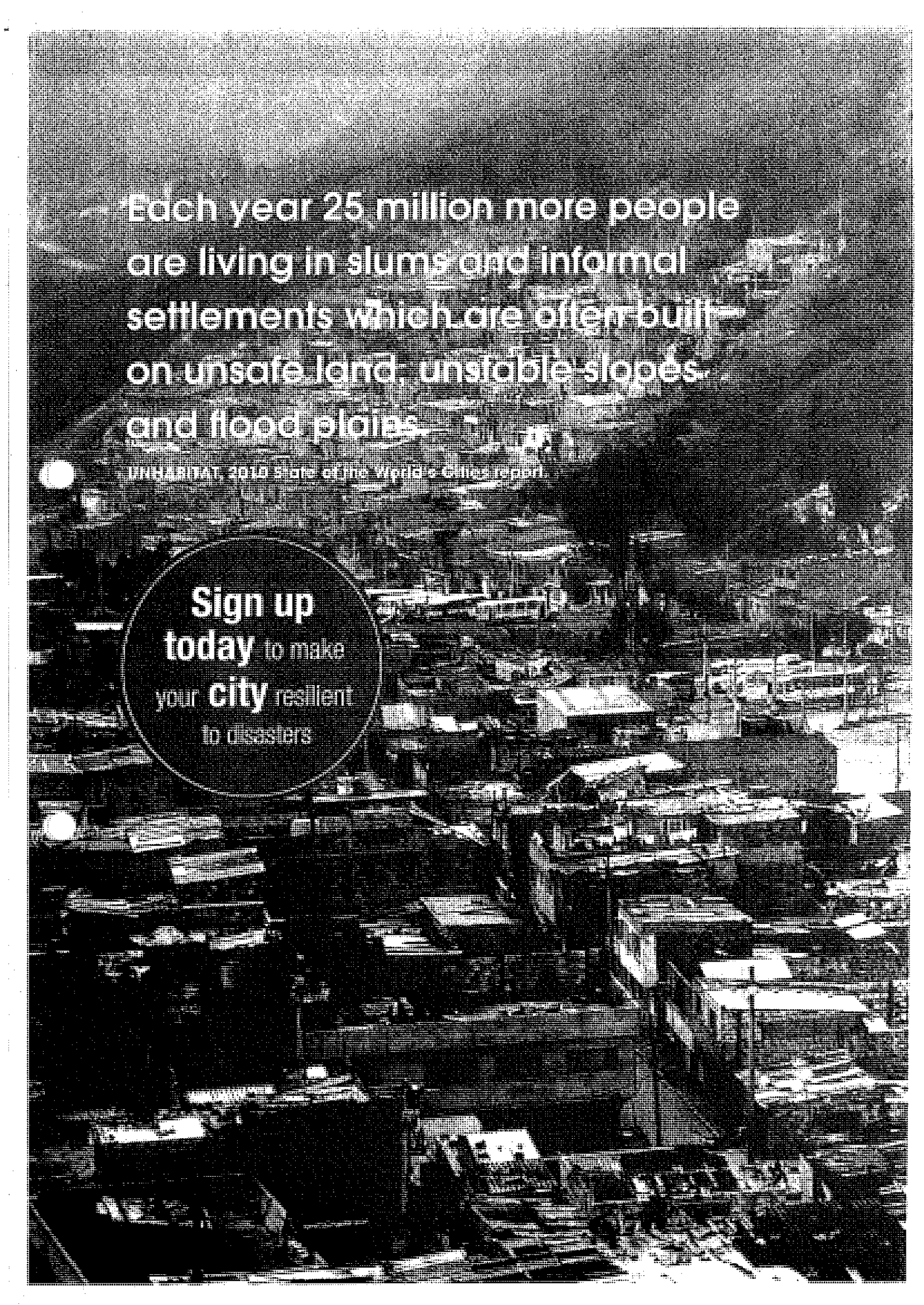
8 Earthquakes and Megacities Initiative (2010), *Megacities Disaster Risk Management Knowledge Base* (MDRM-KB), http://www.pdc.org/emi/emihome.html.

9 Development Data Platform (DDP) (2008), Population data: UN Population Division, *Development Data Group World Population Prospects, 2006.* Revision, World Bank, Washington D.C.


Each year 25 million more people are living in slums and informal settlements which are often built on unsafe land, unstable slopes and flood plains
UNISDR/IDAT, 2010 State of the World's Cities report
Sign up today to make your city resilient to disasters

What is a Disaster Resilient City?

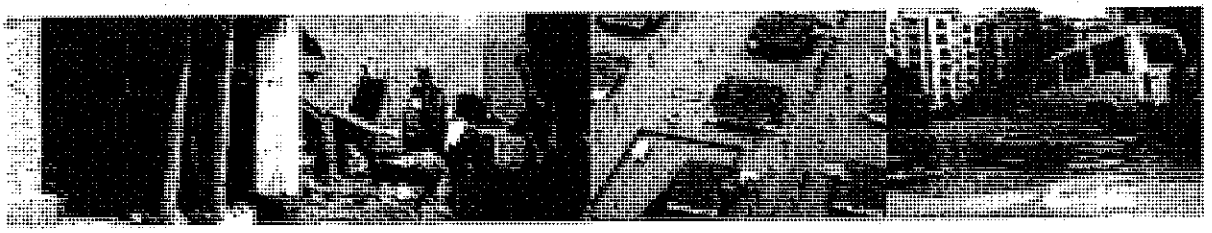
Some definitions

There are a number of actions that local governments, citizens and the private sector can undertake to make a city more resilient. Natural hazards will always occur in different magnitude and severity, but they do not need to turn into devastation. Is your city ready?

A disaster resilient city:

- Is one where people participate, decide and plan their city together with the local government authorities, based on their capacities and resources
- Has a competent and accountable local government that caters for sustainable urbanization with participation from all groups
- Is one where many disasters are avoided because the whole population lives in homes and neighborhoods served by good infrastructure (piped water, good sanitation and drainage, all-weather roads, electricity) and services (health care, schools, garbage collection, emergency services), in structures that meet sensible building codes, without the need for informal settlements on flood plains or steep slopes because no other land is available
- Understands its dangers, and develops a strong, local information base on hazards and risks, on who is exposed and who is vulnerable
- Has taken steps to anticipate disaster and protect assets – people, their homes and possessions, cultural heritage, economic capital – and is able to minimize physical and social losses arising from extreme weather events, earthquakes or other hazards
- Has committed the necessary resources and is capable of organizing itself before, during and after a natural hazard event
- Is able to quickly restore basic services as well as resume social, institutional and economic activity after such an event
- Understands that most of the above is also central to building resilience to climate change.

One important factor for successful urban disaster risk reduction is the relationship between the city government and those within its jurisdiction who are most at risk



The cost of a disaster-safe hospital or health facility is negligible when included in early design considerations. For the vast majority of new health facilities, incorporating comprehensive disaster protection from earthquake and weather events into designs from the beginning will add only 4% to the total cost[12].

What is a city? *To an economist, a city is an engine for economic growth, a haphazard arrangement of physical assets and potential rewards. To a politician or a planner, a city is a place of connections: a network of roads, electrical cables, piped water and drains. To the urban workforce, and the migrants attracted to the city, it offers shelter, safety and a source of livelihood. To property owners, developers and planners, a city is its housing, its stock of physical assets. To someone who lives in a city – and that includes all of the above and many more - a city is a physical and cultural arena, a place of political freedom, a source of cultural and intellectual vitality. And all of this is at risk from a storm surge, a cyclone, a catastrophic volcanic eruption, or a set of powerful earthquake waves racing through the bedrock at 7,000 kilometres an hour.*

Resilience means the ability of a system, community or society exposed to hazards to resist, absorb, accommodate to and recover from the effects of a hazard in a timely and efficient manner, including through the preservation and restoration of its essential basic structures and functions[10].

Sustainable urbanization is understood as a process which promotes an integrated, gender-sensitive and pro-poor approach to the social, economic and environmental pillars of sustainability. It is based on participatory planning and decision making processes, and inclusive governance. More specifically, the principles of sustainable urbanization involve[11]:

(i) Accessible and pro-poor land, infrastructure, services, mobility and housing;
(ii) Socially inclusive, gender sensitive, healthy and safe development;
(iii) Environmentally sound and carbon-efficient built environment;
(iv) Participatory planning and decision making processes;
(v) Vibrant and competitive local economies promoting decent work and livelihoods;
(vi) Assurance of non-discrimination and equitable rights to the city; and
(vii) Empowering cities and communities to plan for and effectively manage adversity and change- to build resilience. (UN-HABITAT World Urban Campaign, 2009)

The second session of the Global Platform for Disaster Risk Reduction in June 2009 highlighted targets for the implementation of the Hyogo Framework for Action. By 2011 national assessments of the safety of existing education and health facilities should be undertaken, and by 2015 concrete action plans for safer schools and hospitals should be developed and implemented in all disaster-prone countries. By 2015, all major cities in disaster-prone areas should include and enforce disaster risk reduction measures in their building and land use codes. Targets were also proposed for national risk assessments, municipal disaster recovery plans, early warning systems, water risks, and the enforcement of building codes.



Haiti, Earthquake 2010

10 United Nations International Strategy for Disaster Reduction (UNISDR) (2009), UNISDR Terminology on Disaster Risk Reduction, UNISDR, Geneva.
11 UN-HABITAT (2009) World Urban Campaign.
12 WHO, PAHO, UNISDR (2008), *2008-2009 World Disaster Reduction Campaign 'Hospitals Safe from Disasters'*. www.safehospitals.info.

TEN-POINT CHECKLIST – ESSENTIALS FOR MAKING CITIES RESILIENT

The campaign proposes a checklist of *Ten Essentials for Making Cities Resilient* that can be implemented by mayors and local governments. The checklist derives from the five priorities of the *Hyogo Framework for Action 2005-2015: Building the Resilience of Nations and Communities to Disasters*, a key instrument for implementing disaster risk reduction. Achieving all, or even some, of these ten essentials will help cities to become more resilient. Have your City Council and local government sign up to this!

- Put in place organization and coordination to understand and reduce disaster risk, based on participation of citizen groups and civil society. Build local alliances. Ensure that all departments understand their role in disaster risk reduction and preparedness.
- Assign a budget for disaster risk reduction and provide incentives for homeowners, low-income families, communities, businesses and the public sector to invest in reducing the risks they face.
- Maintain up-to-date data on hazards and vulnerabilities, prepare risk assessments and use these as the basis for urban development plans and decisions. Ensure that this information and the plans for your city's resilience are readily available to the public and fully discussed with them.
- Invest in and maintain critical infrastructure that reduces risk, such as flood drainage, adjusted where needed to cope with climate change.
- Assess the safety of all schools and health facilities and upgrade them as necessary.
- Apply and enforce realistic, risk-compliant building regulations and land-use planning principles. Identify safe land for low-income citizens and develop upgrading of informal settlements, wherever feasible.
- Ensure that education programmes and training on disaster risk reduction are in place in schools and local communities.
- Protect ecosystems and natural buffers to mitigate floods, storm surges and other hazards to which your city may be vulnerable. Adapt to climate change by building on good risk reduction practices.
- Install early warning systems and emergency management capacities in your city and hold regular public preparedness drills.
- After any disaster, ensure that the needs of the survivors are placed at the centre of reconstruction with support for them and their community organizations to design and help implement responses, including rebuilding homes and livelihoods.

Sign up today to make your **city** resilient to disasters

Urban risk reduction as an opportunity – what are the benefits?

Cities that proactively seek to reduce disaster risk, as part of their sustainable urbanization efforts, can benefit greatly in the following ways: saved lives and property in case of disaster with dramatic reduction in fatalities and serious injuries

- Protected development gains and less diversion of city resources to disaster response and recovery
- Active citizen participation and local democracy
- Increased investment in houses, buildings and other properties, in anticipation of fewer disaster losses
- Increased capital investments in infrastructure, including retrofitting, renovation and renewal
- Business opportunities, economic growth and employment as safer, better-governed cities attract more investment
- Balanced ecosystems, which foster provisioning and cultural ecosystem services such as fresh water and recreation
- Overall better health and wellbeing
- Improved education in safer schools.

The Hyogo Framework for Action 2005-2015: Building the Resilience of Nations and Communities to Disasters

Australia?

The Hyogo Framework for Action was adopted by 168 Member States in Japan in 2005 to build the resilience of nations and communities by the year 2015. The five priorities are equally important for urban settings:



Make disaster risk reduction a priority in urban practices

Know urban risks and take actions

Build understanding and awareness of urban risks

Reduce urban risks

Prepare your city and be ready to act

www.preventionweb.net/english/hyogo/

The Making Cities Resilient Campaign

Main objectives of the campaign

In this campaign, the term 'city' refers to urban areas in general, encompassing the responsibility of 'local governments' of different scales, whether regional, provincial, metropolitan, townships or villages.

The aim is to get 100 mayors to commit to at least one of the Ten Essentials for Making Cities Resilient by 2011; and to involve hundreds of participating local governments and as many citizens as possible to pledge to join the hospital and school safety initiative.

The vision of the campaign is to achieve resilient, sustainable urban communities.

The campaign will urge local governments to take action now to reduce cities' risks to disasters.

The objectives of the *Making Cities Resilient* Campaign are threefold, and can be achieved through building long-lasting partnerships:

Know more
Raise the awareness of citizens and governments at all levels of the benefits of reducing urban risks

Invest wisely
Identify budget allocations within local government funding plans to invest in disaster risk reduction activities

Build more safely
Include disaster risk reduction in participatory urban development planning processes and protect critical infrastructure



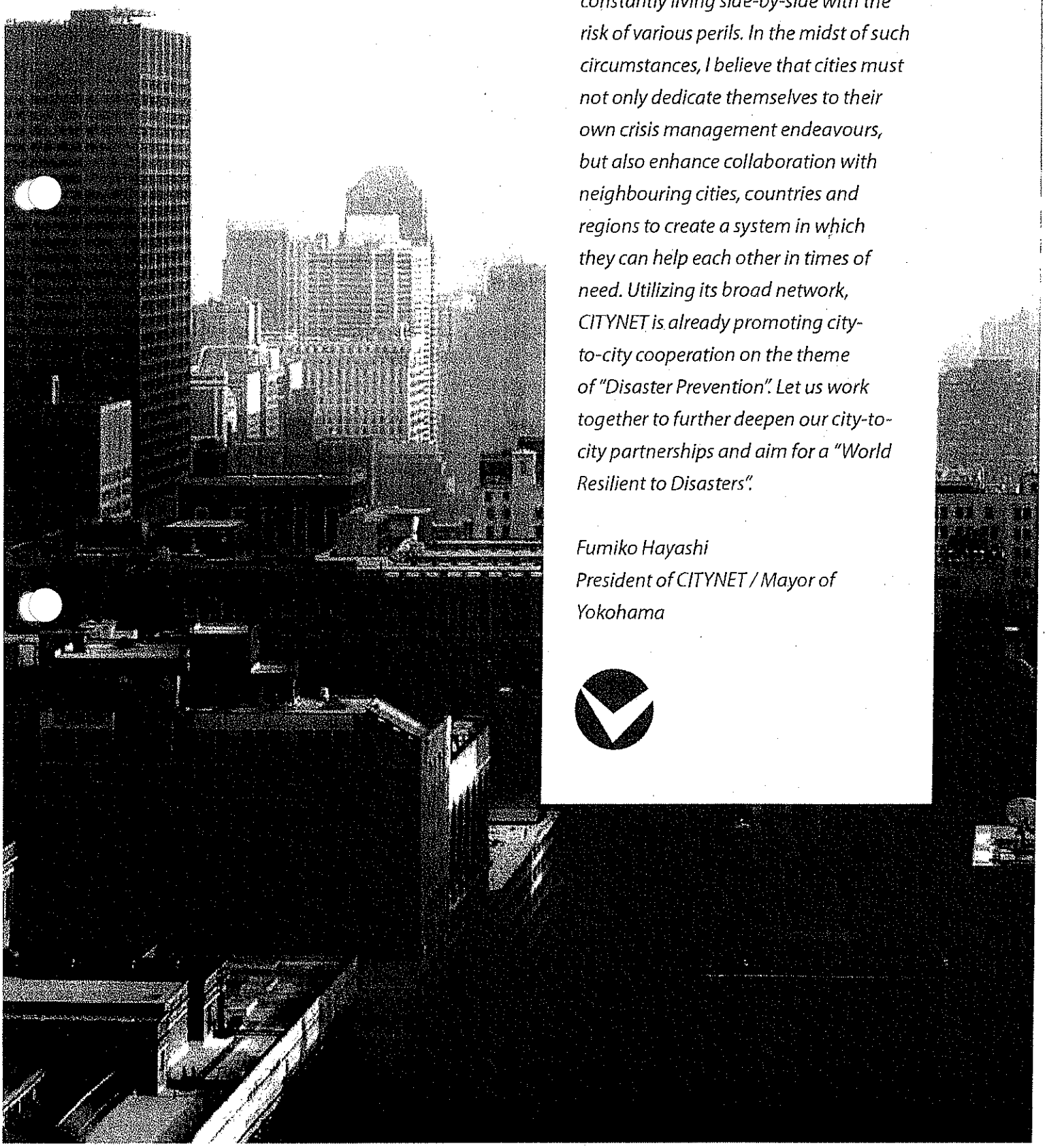
"My City is getting ready" is a rallying call for all mayors and local governments to make as many cities as possible as resilient as possible. It is also a call for local community groups, citizens, planners, academia and the private sector to join these efforts.

While the campaign addresses citizens – those who live in urban areas and who elect the decision makers who can take the necessary steps to make their cities safer – the campaign's principal target groups are mayors and local governments of cities of different sizes, characteristics, locations and risk profiles. Mayors and local governments are the agencies who can take action and make our cities safer. Mobilizing these important actors in the disaster risk reduction process is essential to making cities resilient.

The campaign slogan has meaning for everyone. Whatever the city, the message to reduce risk will resonate with all citizens worldwide. For example, Sao Paulo is Getting Ready! Kobe is Getting Ready! Istanbul is Getting Ready! Santa Tecla is getting ready!

Sign up to the One Million Safe Schools and Hospitals Initiative

People in unsafe schools, hospitals and health facilities are at the greatest risk when a disaster strikes. We can improve the safety of schools, hospitals and health facilities to address the increasing risk due to climate change and other disasters - natural and man-made.
The One Million Safe Schools and Hospitals Initiative of the campaign encourages everyone to make a pledge for a school or hospital and to make them safer now. Anyone can make a pledge. Everyone can contribute. Be an advocate, a leader or a champion for safe schools and hospitals.
http://www.safe-schools-hospitals.net



"In recent years, cities around the world are being faced with threats such as large-scale disasters and diseases including influenza, and we are constantly living side-by-side with the risk of various perils. In the midst of such circumstances, I believe that cities must not only dedicate themselves to their own crisis management endeavours, but also enhance collaboration with neighbouring cities, countries and regions to create a system in which they can help each other in times of need. Utilizing its broad network, CITYNET is already promoting city-to-city cooperation on the theme of "Disaster Prevention". Let us work together to further deepen our city-to-city partnerships and aim for a "World Resilient to Disasters".

Fumiko Hayashi
President of CITYNET / Mayor of Yokohama

About the campaign partners

The secretariat of the United Nations International Strategy for Disaster Reduction (UNISDR) is the coordinator of the Making Cities Resilient Campaign 2010-2011, but its local, regional and international partners and participating cities and local governments are the drivers and owners of the campaign. A number of committed mayors, other high-level public figures and "role-model" local governments will be identified and help UNISDR and its partners to promote and implement the campaign.

Central to ISDR's partnering initiative for the campaign is the spread of local government alliances for disaster risk reduction. Active members of this global alliance will become campaign promoters in their areas of influence. They will draw upon one another's expertise as well as provide support and give substance to the advocacy, political and technical dimensions of the campaign.

Join the alliance as a supporter by sending your information to: **isdr-campaign@un.org** or sign up on the website under **www.unisdr.org/campaign**.

UN-HABITAT is a key partner in the campaign along with many other UN organizations, city associations and organizations, especially the United Cities for Local Governments, ICLEI and the City Alliance. NGO networks and grassroots organizations that participate in the ISDR system have already signed up. Resilient Cities platforms or task forces will support the campaign in the regions.

Furthermore, the Making Cities Resilient Campaign 2010-2011 is linked to UN-HABITAT's World Urban Campaign on "Sustainable Urbanization". Both campaigns adhere to the same principles, contributing towards the same long-term goal of sustainable development. Many of the communication tools and participating cities will be the same. The *Making Cities Resilient Campaign* objective is to ensure that the important principles of the *Hyogo Framework for Action* are integrated into the local environment. The next step is to turn words into action.

The Asia Regional Task Force on Urban Risk Reduction has developed a guideline to implement the Hyogo Framework locally, to assist local governments to become resilient. It is already used by the task force members in capacity building efforts with city officials. Another planning tool to support risk reduction will be developed by the partners in the campaign, led by UN-HABITAT and UNISDR. Capacity building and training opportunities will be provided by the participating partners and cities - and be developed further during the campaign.

Many other global and regional initiatives will be highlighted during the two-year campaign and many proven practices of urban risk policies will be available on line.

To learn more about campaign activities and partners, visit the website at **www.unisdr.org/campaign**



Mayors and local governments – the keys to building resilient cities

Mayors and local governments hold key positions in building resilience to disasters within their communities. Mayors provide leadership for the well-being of their constituencies. Local governments deliver essential services such as health, education, transport and water. They issue construction permits, manage public works and plan and control urban development, all of which provide opportunities to ensure safer development that can reduce a community's vulnerability to disasters.

Local governments devise and create developments that affect millions of people in cities everywhere. The campaign calls on mayors and local governments to work with their constituencies, and include risk-reducing initiatives in their strategic planning processes, as a way to get ready for future natural hazards with confidence and resilience.

Mayors and local governments can play a role in helping cities to get ready to meet future risks. National governments, local community and professional associations, international, regional and civil society organizations, donors, the private sector, academia and all citizens must also be engaged. All of these stakeholders need to play their respective roles in building disaster resilient cities, and local government is critical in order to achieve success.

"Disaster preparedness and risk mitigation are key priorities in guiding good city planning, design, development, and daily administration. Our cities need commitment and support from the national government through policy that empowers us to undertake the necessary and decisive actions to prevent and reduce human and other losses. With such decentralization allowing for better integrated urban development, not only can we create sustainable cities, regions and countries, but also resilient people."

***Dr. Fauzi Bowo**, Governor, Jakarta, Indonesia*

"It is sad that yet another city is in a serious disaster with thousands of lives lost in Haiti. It convinces me that this campaign is more urgent than ever before. I put myself in the shoes of the local government leaders and it cannot be anything easy.... All this calls for a real campaign for safer cities and building resilience."

District Chairman Rev. Sam Ebukele L'Kwisk *(Uganda)*

Mayors and local governments can reduce risk in the following ways:

- Sign up to and work towards the Ten Essentials checklist, make a public announcement and share your experience, good practice and progress with participants in the campaign and other cities
- Work closely with your central government to implement nationally planned approaches to urban planning, local development and disaster risk reduction
- Create local partnerships and alliances with your citizens and community groups
- Engage your local and national universities to provide advice on hazard monitoring and risk assessment and conduct research on ways for your city to build resilience
- Focus on your poor and high-risk communities and take the campaign goals and messages to grassroot communities
- Organize public hearings, discussions, drills and other awareness raising activities during the International Day for Disaster Reduction or on the anniversaries of past disasters.
- Use the campaign and Ten Essentials for Making Cities Resilient to address climate change challenges and your "green agenda".

What can you do to make your city more resilient? Join the campaign!

Local government associations

- Put disaster risk reduction at the top of your agenda
- Partner with UNISDR to reach out to local authorities
- Support implementation of the campaign at the local government and community levels.

National governments

- Set up and foster multi-stakeholder national platforms for disaster risk reduction that include local governments or their associations
- Give consideration to local governance and sustainable urbanization issues
- Ensure that your ministries and institutions take risk reduction into account in their planning and policy making
- Encourage economic development in rural areas and smaller cities in order to reduce the pressure of accelerated migration to high-risk peripheral areas and slums
- Make disaster risk reduction a national and local priority and clearly identify institutional responsibilities for reducing risk at all levels.

Community associations

- Sign up to the campaign and encourage your organization to participate in it
- Promote active engagement of community members in the campaign, using the campaign's promotional and informational resources
- Build partnership in projects with local government, NGOs, the private sector etc. to make your local area safer
- Share local knowledge and experience with other actors; support activities such as planning, risk assessments and mapping, maintenance of critical infrastructure, safer land use and enforcement of building standards
- Collaborate in measuring progress through participative monitoring.

UN, international or regional organizations, NGOs

- Sign up as a campaign partner and commit to support local governments to build resilience to disasters
- Strive to develop better tools and methodologies for urban risk reduction in any of the *Ten Essentials for Making Cities Resilient* areas
- Advocate for increased urban risk reduction at the local level
- Encourage greater involvement of local actors in regional and international policy development
- Strengthen the links between NGOs, local governments and community-based organizations.

Donors

- Ensure that disaster risk reduction is part of your programme planning and budget allocations; and include this for sustainable urbanization, climate adaptation, development, humanitarian, disaster response and reconstruction programmes
- Fund projects that focus on making cities resilient to disasters.

Private sector

- Make sure your business is not increasing disaster risk or degrading the environment
- Partner in projects with your local government or communities where you conduct your enterprise to make your city safer – only a resilient city can support sustainable economic growth
- Commit resources to research and development projects on urban risk reduction.

Academia

- Adapt the science agenda to emphasize this paramount research topic and advance the state-of-the art in urban risk reduction
- Introduce urban risk profiling and risk reduction processes as part of the courses and research in several disciplines, including urban planning
- Collaborate with regional and local governments in applied research projects on risk assessments and risk reduction; test and apply your methods, models and findings in local government environments
- Go public with your knowledge and make your expertise available to local governments and the public at large.







Sign up today to make your **city** resilient to disasters

How to nominate a city for the campaign

- The campaign wants to highlight the good practice and successes that cities have experienced in the course of their individual risk reduction efforts. Leading by example is often the most compelling way to engage others. Showing what is possible and making clear the benefits that can be had from making a city resilient to urban risks is what the campaign is all about.

- Perhaps your city would be an ideal Role Model City in the Making Cities Resilient Campaign. We want to showcase exemplary Resilient City Role Models that have demonstrated leadership in, and commitment to reducing urban risks. Role Model Cities will be asked to commit some time to support the campaign in two meaningful ways:

  1. Raise awareness and advocate for local government needs at the highest levels
  2. Promote and support implementation of disaster risk reduction in your country

Become a Resilient Cities Champion!

- Are you a mayor or local government leader? As a Champion and goodwill ambassador for resilient cities everywhere, nominate a community leader, mayor, governor or other influential figure in your community who is willing to support UNISDR and our partners during the campaign to encourage, help and support others.

Become a Role Model City!

- Has your local government already made good progress towards resilience? Is your city or local government willing to showcase its good practice in building resilience and safety in at least five out of the *Ten Essentials for Making Cities Resilient*? Is your local government willing to provide opportunities to other local governments to learn from your experiences? Become a *Role Model City* and share your success with the world. Role Models will be featured prominently throughout the campaign.

Become a Resilient Cities Participant!

- If you are a local government that is in the early stages of risk reduction planning and management, make a pledge to improve resilience and safety to disasters and let the campaign know about it.

- If you are a community group, NGO or other active member of your city who wants to commit to and support the campaign goals and work with your local government to increase the disaster resilience.

The nomination process

- To become a Resilient Cities Champion, a Resilient Cities Role Model or a Resilient Cities Participant you have to start with the nomination process. You will find nomination forms and all of the information you need on the website (www.unisdr.org/campaign).

To nominate a Resilient City Role Model – cities and local governments

- Send your nomination proposal to UNISDR, explaining why the nominated city can serve as a role model demonstrating good practice in building resilience. If accepted, UNISDR will invite the nominated city to be officially designated as a Resilient Cities Role Model in the campaign. UNISDR will then work with the city to identify opportunities for Role Model activities as well as publish the results of the cooperation and good practices for the duration of the campaign. For further details, contact isdr-campaign@un.org.

To nominate a Resilient Cities Participant – cities and local governments

- Cities and local governments that are interested in participating in the campaign but that might not wish to become a Resilient Cities Role Model can instead pledge their commitment to improve in any of the Ten Essentials for Making Cities Resilient. A letter from the mayor's office to UNISDR will confirm this pledge and UNISDR will list the city as a Resilient Cities Participant in the campaign. UNISDR will regularly update all participating cities on campaign and partner activities. Further information is available at www.unisdr.org/campaign.

To nominate a Resilient Cities Champion and goodwill ambassador - cities and local governments

- Campaign partners, national platforms and city councils can nominate a person to become a *Resilient Cities Champion* and goodwill ambassador during the 2010-2011 Campaign in their personal capacity. This is a non-remunerated designation, which requires the nominee to provide leadership and visibility.

WHY SHOULD A LOCAL GOVERNMENT SIGN UP TO THE CAMPAIGN - SOME BENEFITS

- Save lives and livelihoods through proper planning and preparedness
- Work towards sustainable urbanization
- Help protect natural resources, your urban heritage and economic activity
- Provide expertise, participate in or host city-to-city-learning events on how to reduce disaster risk in specific areas, putting your city "on the map"
- Be part of high visibility events to discuss critical issues with national and global counterparts, such as linking disaster risk reduction to climate change adaptation, Millennium Development Goals, safe schools and hospitals and financing issues
- Be eligible to receive the UN Sasakawa Award for Disaster Reduction 2010-2011, which recognizes examples of local governments' good practice and innovation. The award recipient will be linked to high-profile media events
- Have your good practice included and disseminated in publications, on the website and in the print and broadcast media
- Show leadership by working towards a more resilient city/township and initiate the all-important first steps
- Gain access to expertise, partners, learning opportunities and consider the possibility of "twinning" with another Role Model city
- Gain increased visibility and prestige for political leadership and innovation

Contacts

For more information

www.unisdr.org/campaign

www.preventionweb.net

Email: **isdr-campaign@un.org**

Campaign network and Global Alliance workspace: **http://groups.preventionweb.net/scripts/wa-PREVENTIONWEB.exe?A0=RESILIENT-CITIES**



United Nations
International Strategy for Disaster Reduction

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www.unisdr.org

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www.unisdr.org/europe

UNISDR Regional Office Arab States
isdr-arabstates@un.org
www.unisdr.org/arabstates

www.unisdr.org/campaign

United Nations
International Strategy for Disaster Reduction

Making Cities Resilient:
My City is Getting Ready

World Disaster Reduction
Campaign 2010-11

www.unisdr.org/campaign

Is your city ready?



Information and modalities for
nomination and participation for

Cities and Local Governments

The World Disaster Campaign 2010-2011 "Making Cities Resilient" aims at getting Mayors, local governments and national authorities to take actions towards making cities resilient as part of sustainable urbanizations.

A ten-point action plan of "ten essentials for city resilience" (Annex 1) is the guiding tool for local governments to undertake actions throughout the campaign to reduce risks. It builds on the priorities set out in the international blueprint *"Hyogo Framework for Action 2005-2015: Building the resilience of communities and nations to disasters"*. The capacity of local government officials and institutions to make cities resilient is a high priority to advance the local implementation.

This document explains the modalities how cities / local governments can sign-up to the campaign. For further information on the campaign, see www.unisdr.org/campaign.

[illegible]

[illegible] and [illegible] are invited to play a leadership role in the Campaign in different ways:

- as [illegible] at international and national levels
- in their own cities and nationally, as [illegible] for [illegible] and [illegible] implementation at the local level and
- in pledging for innovation, partnerships and initiatives that will help their cities to become safer, more disaster resilient.

UNISDR and participating partner organizations will provide support to publicizing success and practice, provide space for learning and meeting, to mobilize expertise and resources, and seek to influence policy makers at all levels. There will be no ear-marked resources to support specific activities by participating cities, which would be undertaken directly with the local government themselves with their local or other partners.

Participating cities will be encouraged to contribute resources and know-how to other cities in the campaign within their reach and capacity. City-to-city collaboration, twinning and networks will be promoted throughout the campaign.

Campaign Partners

UN-Habitat and other UN agencies, World Bank, United Cities and Local Governments (UCLG), CityNet, ICLEI, World Mayors Council on Climate Change, Earthquake Megacities Initiatives (EMI), International Federation of Red Cross and Red Cross Societies (IFRC), Global Network for Civil Society Organizations for Disaster Risk Reduction, GROOTS International, Huairou Commission and others to come.

How to sign-up to the campaign?

The campaign is aimed at reaching at least thousand cities to sign-up to the ten campaign essentials and identify activities and plans to improve the city resilience. It aims at Mayors / Governors / Commissioners and City Councils in the first instance. But the campaign is also addressing technical staff and national authorities responsible for local and urban development planning and disaster risk management and reduction.

The term 'city' refers to urban areas in general, and the term 'local government' includes both urban and rural communities of different scales (i.e. regional, provincial, metropolitan, cities, towns, municipalities, districts and villages).

Identify your area of action during the campaign and beyond

"Participating Cities" in the Campaign

All cities and local governments that are interested in participating in the campaign are encouraged to sign-up through isdr-campaign@un.org. By doing so, they will be requested to send the nomination form (Annex 2) and to identify area of action in the campaign in relation to the "ten essentials for city resilience" (Annex 1).

A letter from the Mayor's office to UNISDR shall confirm the participation in the campaign, indicating which other organizations the city will engage during the campaign.

Community groups, National Associations of local governments, academia and others can initiate the nomination process through contacting the Mayor's office.

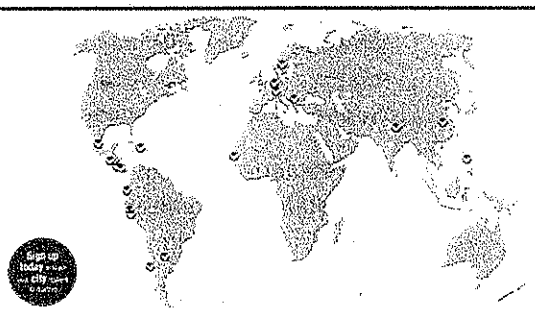
By sending the nomination form to UNISDR and the mayor's letter the city / local government automatically participates in the campaign and will be added to the web-based campaign city map. The name, the city profile and focus areas will be displayed.

A campaign certificate that will be either signed virtually or in a signing ceremony will complete the sign-up process.

UNISDR encourages the Mayor's office to seek the approval of the City Council to be officially involved as a "participating city" in the campaign. The local government shall inform the central government about the participation and notify the official Hyogo Framework for Action focal point or the National Platform for Disaster Risk Reduction (contact information can be requested from UNISDR secretariat.)

Put your city on the resilient cities map!

The city will have the possibility to actively exchange experiences with other campaign cities. All participating cities and local governments will be regularly updated by UNISDR on the campaign activities and other activities initiated by partners.



Participating Cities as of May 2010

Role model city and local government

Cities or local governments that already demonstrated good practices and innovation in becoming more resilient to disasters can express their interest to become a "role model" city in the campaign.

Cities or local governments that are interested to showcase results or initiated processes for change in at least five areas out of the ten essential actions in the resilient cities "ten-point checklist of Essentials for Making Cities Resilient" (Annex 1) shall send, in addition to the nomination form, a clear motivation letter to UNISDR explaining why this city or local government could serve as "role model" in the campaign. At least one additional stakeholder (from the academic, civil society or the private sector) shall be involved as an active partner of the designated city / local government in the campaign.

UNISDR with support from an international multi-disciplinary advisory panel, will review all submissions. Assigned cities or local governments will receive a formal recognition as "role model" in the campaign.

The selected "role model" city and local government will define with UNISDR what the opportunities are for them to:

- Share their experience with other cities, through organizing city-to-city learning with study tours or training components;
- Preparing audiovisuals presenting innovative solutions for urban/local risk reduction; organizing policy dialogues;
- "Twinning up" with other cities during the campaign and similar activities.

Shared Responsibility

No specific funding will be provided by UNISDR to sponsor projects and initiatives by cities and local governments as part of the campaign. The cities themselves and partners are expected to support the organization of events, conferences and meetings focusing on the campaign. Specific proposals, of particular relevance to the campaign objectives, may be considered under exceptional circumstances for funding and on a case by case basis. Many partners in the campaign are available to provide support to specific requests.

UNISDR and campaign partners will cater with national, multi-lateral and bi-lateral development organizations to prioritize projects and funding for urban risk reduction. All such information will be made available on the campaign website.

Champions are actively promoting the objectives of the campaign

"Champion" and good-will ambassador nomination:

Partners in the Campaign, National Platforms or city councils can recommend a personality to UNISDR as a "Champion" for the Making Cities Resilient Campaign. This provides for leadership and visibility; it is also a non-remunerated designation. The characteristics for such a nominee should be as follows:

- A high profile leader with the ability to mobilize others and influence policy or action at the national, local and/or community level (i.e. Mayor, Governor, community leader, artist, etc).
- Associated to a local government (i.e. province, district, city, municipality, township or village) with relevant experience in disaster risk reduction or demonstrated commitment to the Campaign objectives.
- Be committed to contribute time to support the campaign in their own capacity, by participating in international, regional and/or national high-profile meetings, dialogues and awareness raising events.
- Be able to effectively convey messages to reach people at risk as well as policy and decision makers.

The nominated Champion should be willing to:

- Participate in at least one high-profile event during the campaign, regionally or internationally, as spokes person for resilient cities;
- Promote disaster resilience and the campaign objectives with the national Association of local governments or similar forums, including to seek increased resources for this topic from national budgets;
- Provide opportunities for or prepare video clips from successful disaster reduction initiatives and other forms of messages for media use;
- Receive or approach other Mayors or local or national decision makers to promote city resilience.

General Selection Criteria

The selection of "Champions" and "role model" cities for the campaign will, in addition, be based on the principle of equitable and balanced representation (i.e. distribution among countries, regions, size of cities, regional / provincial / municipal government, geographic and hazard conditions, etc.).

UNISDR support to the campaign

As the coordinator of the campaign, UNISDR will cater for regional and global partnerships of support for the campaign cities - "Champions", "role model" and participating cities - and UNISDR will in particular provide support to the following activities:

Organization of and other at the global and regional level.

for local governments on urban risk in collaboration with training centres and academia, promoting capacity development and learning opportunities for cities and local governments in each region.

and support.

High-visibility and

The for Disaster Risk Reduction 2010-2011, which will prioritize nominations from cities who participate in the Campaign.

For more information, please visit the campaign website

URL: www.unisdr.org/campaign

Contact one of the UNISDR offices:

UNISDR Secretariat Geneva
E-mail: isdr-campaign@un.org

UNISDR Regional Office Africa, Nairobi
Email: isdr-africa@unep.org

UNISDR Regional Office Americas, Panama
Email: eird@eird.org

UNISDR Regional Office for Arab States, Cairo
Email: isdr-arabstates@un.org

UNISDR Regional Office Asia and Pacific, Bangkok
Email: isdr-bkk@un.org

UNISDR Regional Office Europe, Brussels
Email: isdr-europe@un.org

Annex I

A Ten-point checklist for local governments[1] - Ten essentials for making cities resilient

...e campaign proposes a Ten-point checklist of Ten Essentials for Making Cities Resilient to serve as a guide for commitment by Mayors.

Have your City Council and local government sign up to this!

Ten-point Checklist - Essentials for Making Cities Resilient[1]

1. Put in place organization and coordination to understand and reduce disaster risk within the local government, based on participation of citizen groups and civil society-build local alliances. Ensure that all departments understand their role and contribution to disaster risk reduction and preparedness.

2. Assign a budget for disaster risk reduction and provide incentives for homeowners, low-income families, communities, businesses and public sector to invest in reducing the risks they face.

3. Maintain up-to-date data on hazards and vulnerabilities, prepare risk assessments and use these as the basis for urban development plans and decisions. Ensure that this information and the plans for your city's resilience are readily available to the public and fully discussed with them.

4. Invest in and maintain infrastructure that reduces risk, such as flood drainage, adjusted where needed to cope with climate change.

5. Assess the safety of all schools and health facilities and upgrade these as necessary.

6. Apply and enforce realistic, risk-compliant building regulations and land use planning principles. Identify safe land for low-income citizens and develop upgrading of informal settlements, wherever feasible.

7. Ensure education programmes and training on disaster risk reduction are in place in schools and local communities.

8. Protect ecosystems and natural buffers to mitigate floods, storm surges and other hazards to which your city may be vulnerable. Adapt to climate change by building on good risk reduction practices.

9. Install early warning systems and emergency management capacities in your city and hold regular public preparedness drills in which everyone participates.

10. After any disaster, ensure that the needs of the survivors are placed at the centre of reconstruction with support for them and their community organizations to design and help implement responses, including rebuilding homes and livelihoods.

[1] The Checklist builds on the priorities identified in the *Hyogo Framework for Action 2005-2015: Building the Resilience of Nations and Communities to Disasters* - www.unisdr.org/hfa

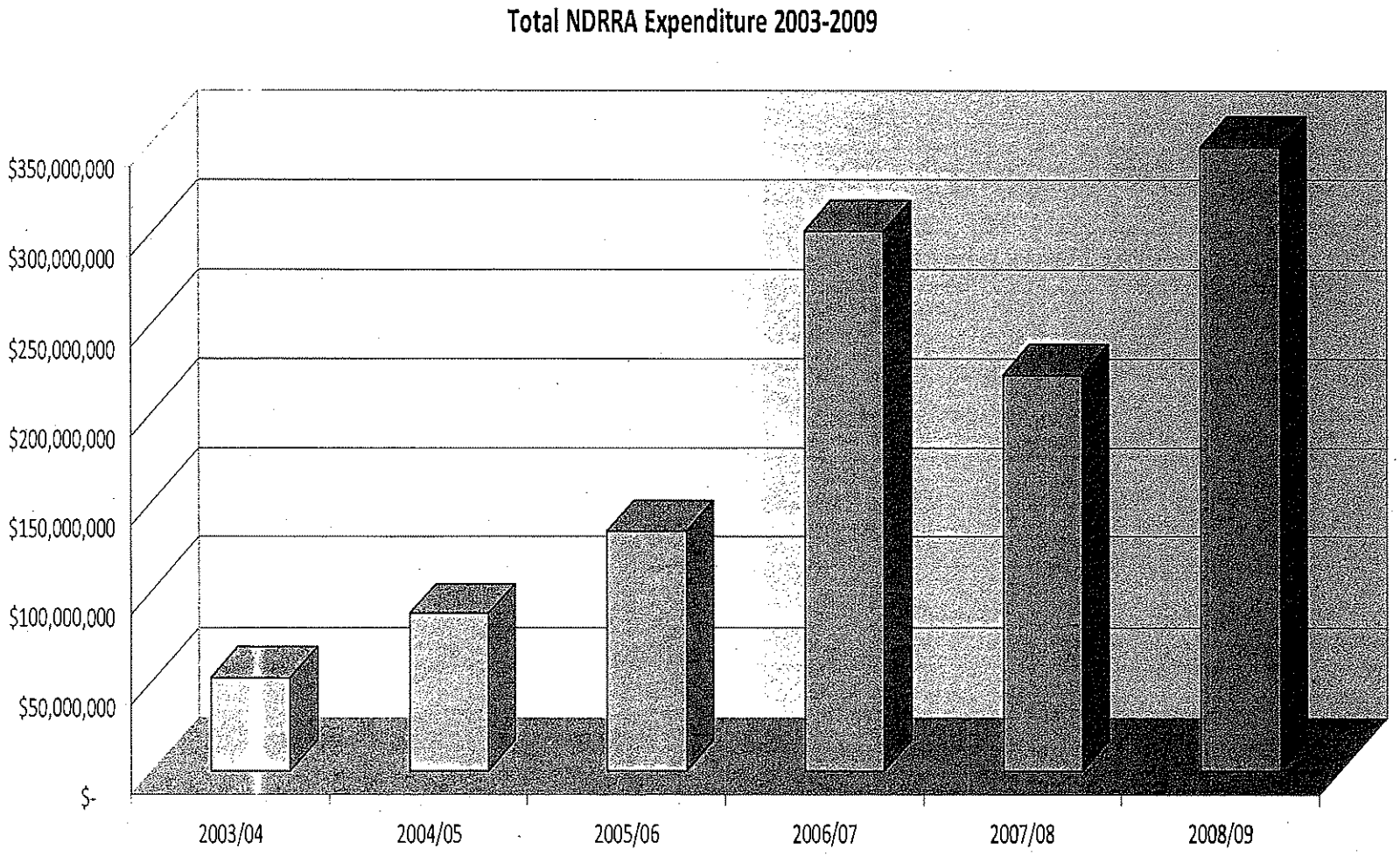
Please send the nomination form and the mayor's letter to isdr-campaign@un.org. Nominations will be accepted on an ongoing basis throughout 2010-11.

City / Local Government (Please indicate the year the numbers were provided.)	
City name	
Location (short description)	
Size (year)	
Population (year)	
GDP	
Hazard type(s)	
Name of Mayor / Commissioner / Governor / Community leader	
Which part of the city administration will be the focal point for the Campaign?	
Contact details Focal Point	
Name	
Function	
Address	
Email	
Telephone	
Fax	
Which local institutions will be engaged in the Campaign? (In addition to this local government)	
Major Disaster Risks	

Achievements and plans in relation to the ten essentials areas *status* *progress achievements* *activities plans* *to improve the current situation*	
Essential 1 – Risk reducing organization and coordination in place	Status - Please select
Progress and achievements -	
Plans -	
Essential 2 – Budget assigned	Status - Please select
Progress and achievements -	
Plans -	
Essential 3 – Risk assessment prepared	Status - Please select
Progress and achievements -	
Plans -	
Essential 4 – Investment in risk reducing infrastructure	Status - Please select
Progress and achievements -	
Plans -	
Essential 5 – Safe schools and health facilities	Status - Please select
Progress and achievements -	
Plans -	
Essential 6 – Risk-compliant building regulation and land use applied	Status - Please select
Progress and achievements -	
Plans -	
Essential 7 – Education programmes and training in place	Status - Please select
Progress and achievements -	
Plans -	
Essential 8 – Ecosystems and natural buffers protected	Status - Please select
Progress and achievements -	
Plans -	
Essential 9 – Early warning systems installed	Status - Please select
Progress and achievements -	
Plans -	
Essential 10 – Needs-based (survivors) reconstruction	Status - Please select
Progress and achievements -	
Plans -	


TYNONG
FIRE
CFA

The impact is just bigger

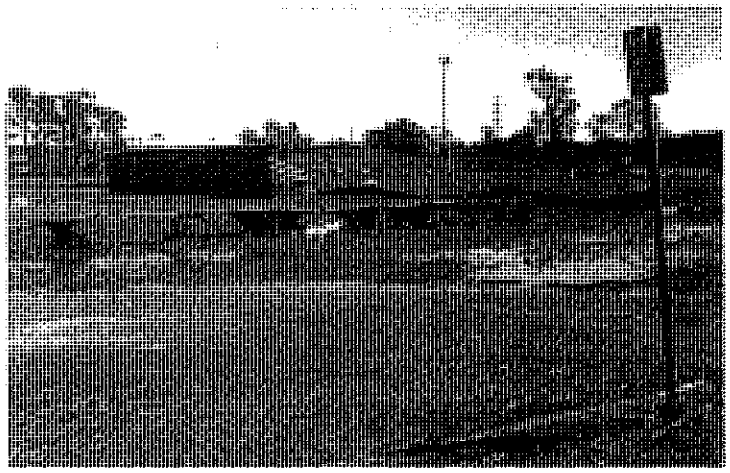


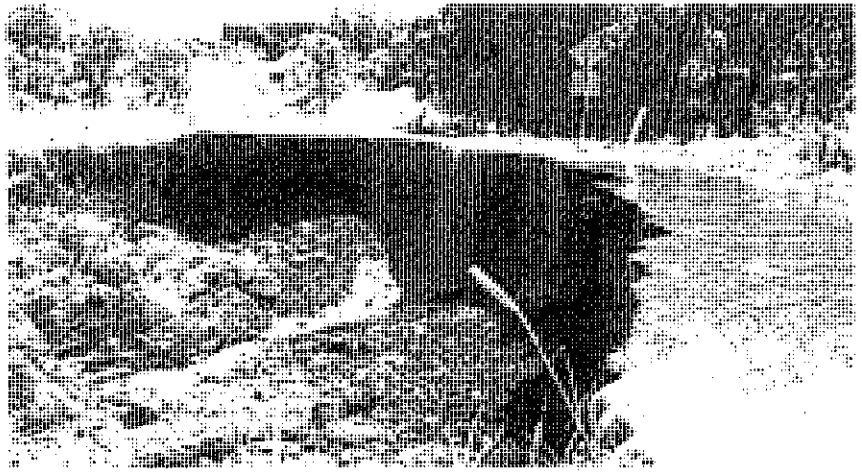
Community Resilience

"The aim is to strengthen communities, individuals, businesses and institutions to minimise the effects of disasters on Australia".

Recently we have been lucky!!!









Are we ready for this?

State warns of fire threat

RED ALERT Worst day for fires since Ash Wednesday

as Individuals?



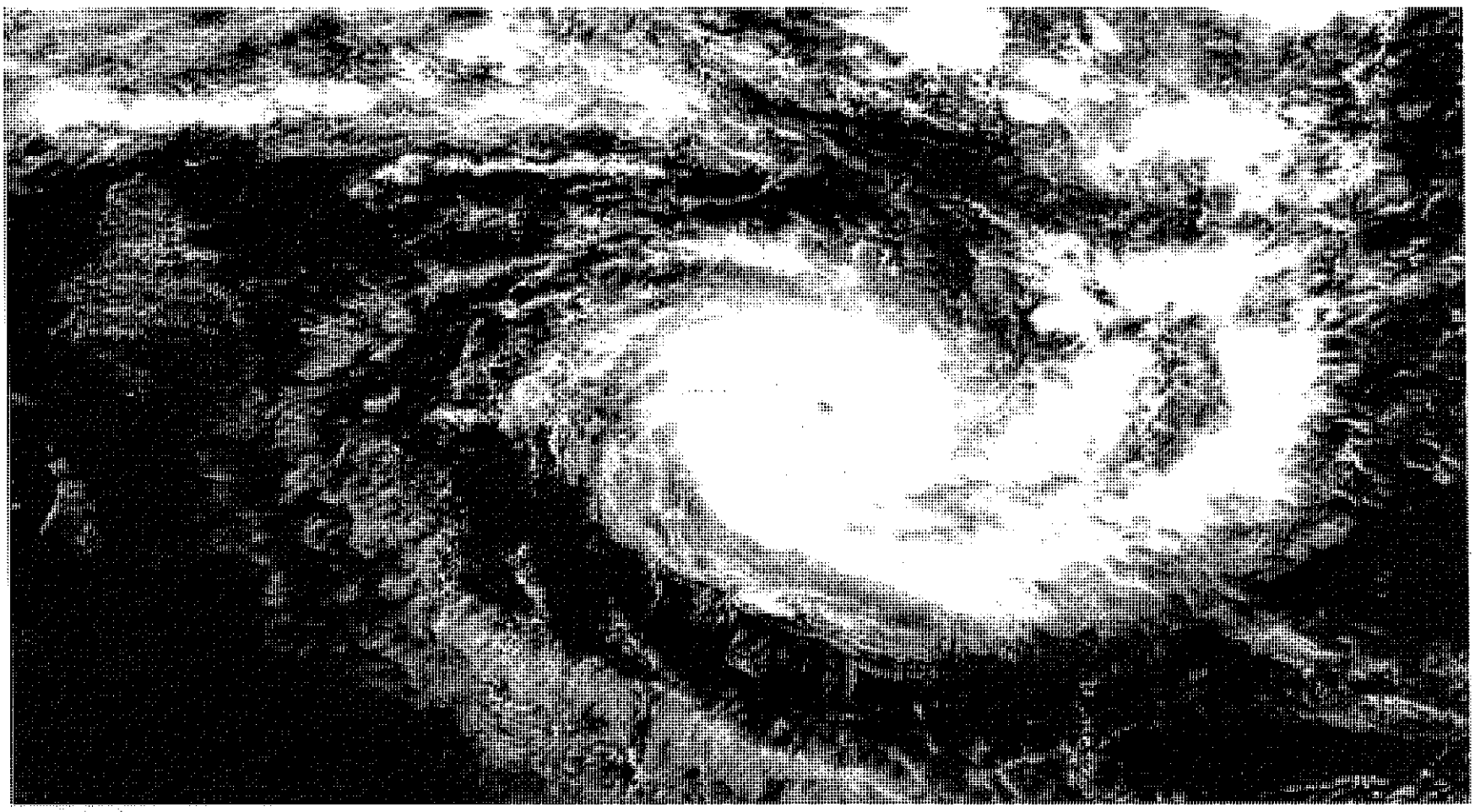
As a Neighbourhood?



As a Community?



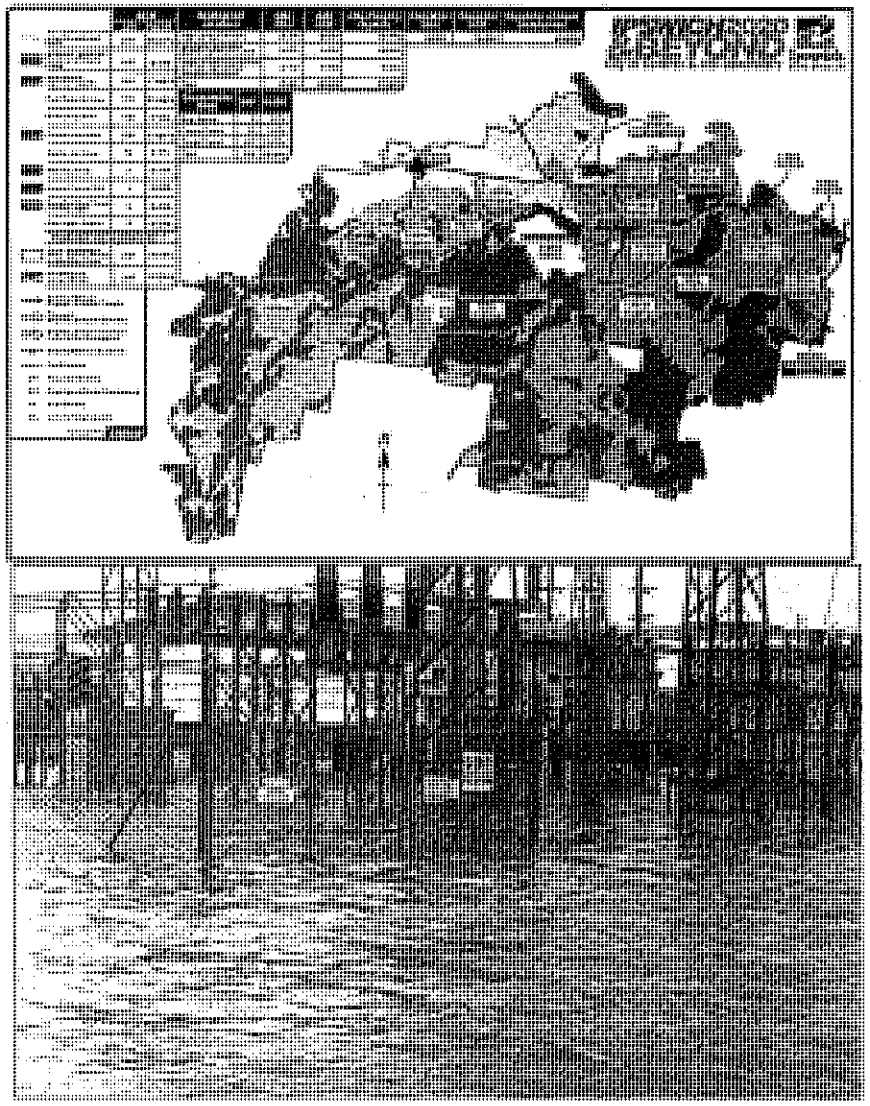
As a State?



Strategic Planning

Does our current Strategic Planning allow for Community Resilience?

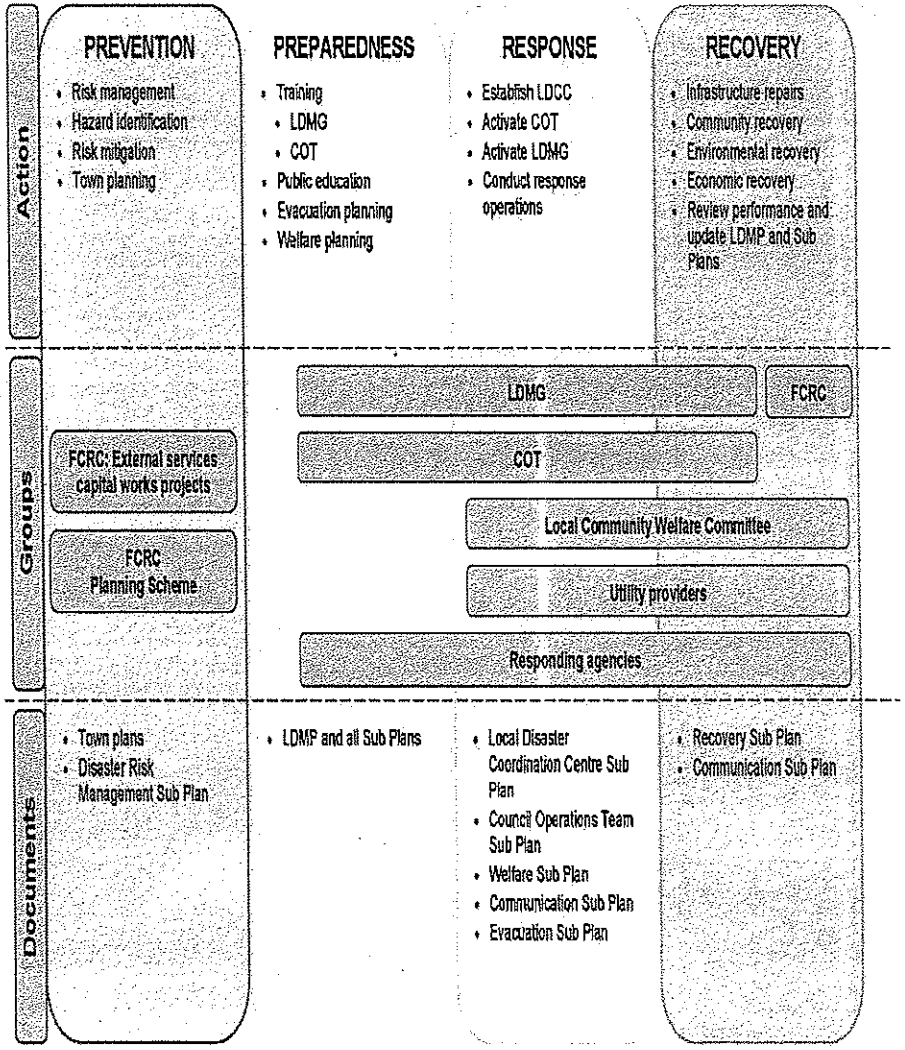
- Does our Planning Scheme require mitigation of Natural hazards for future developments? What building standards are we requiring?
- As part of our Economic Development Strategy, are Business Continuity Plans required for Ipswich Businesses?
- Are we building Required Infrastructure? Is it being strategically located?
- Where does community resilience appear in our "Community Plan"? Do we have the necessary strategic relationships established?



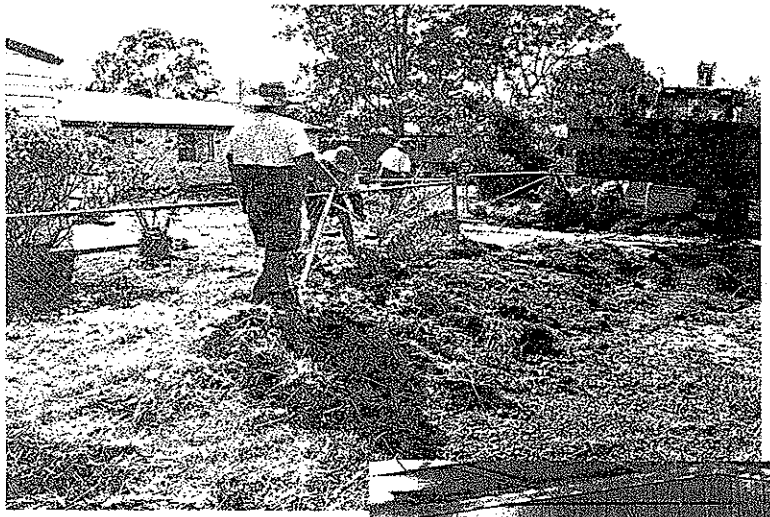
People

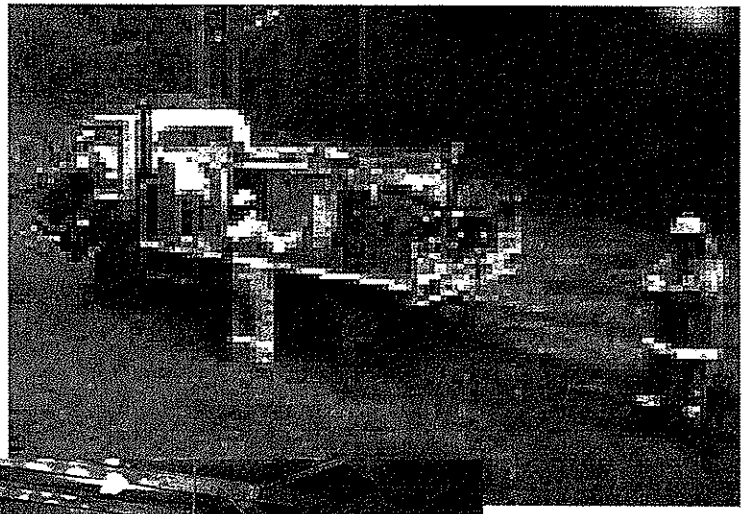
How do we ensure that we have the required people to deliver community resilience?

- Establish roles & accountabilities
- Establish Competency based training programs
- Volunteer management Strategies



Council & Community Volunteers

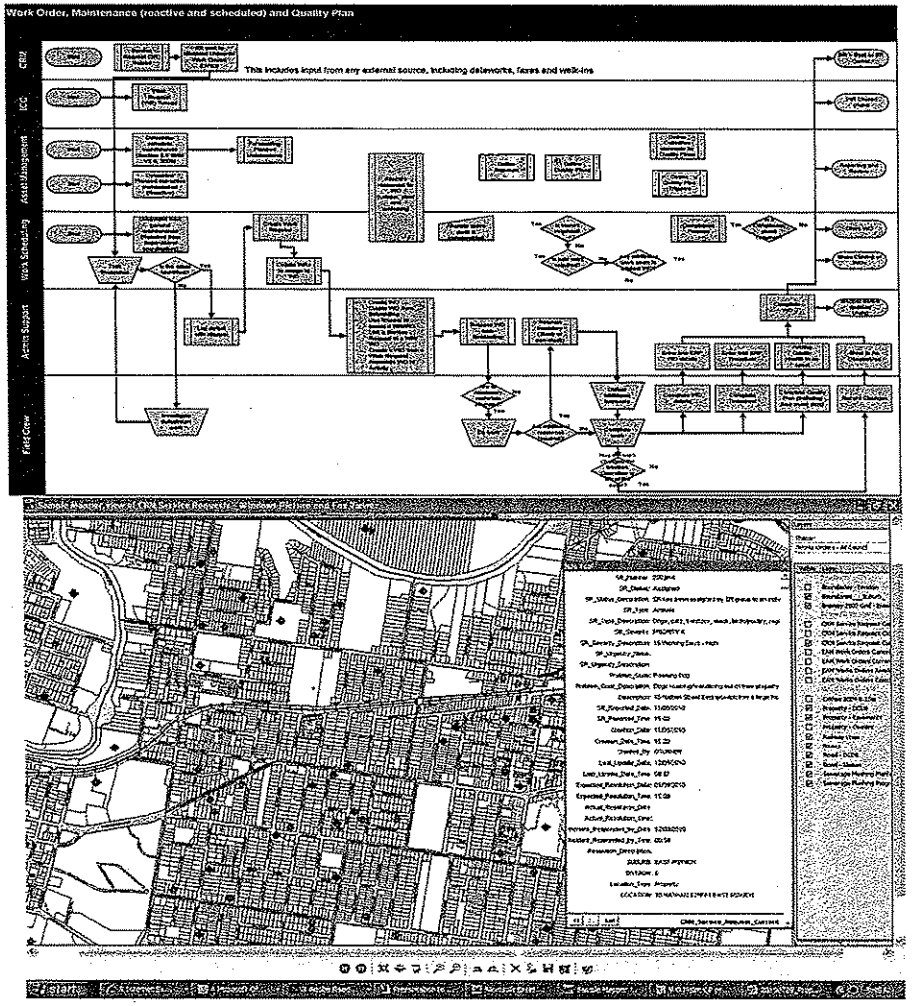






Process Management & Innovation

- Fine tune processes
- Need to leverage of currently available functionality to improve the way which we manage events.
- Identify the Gaps

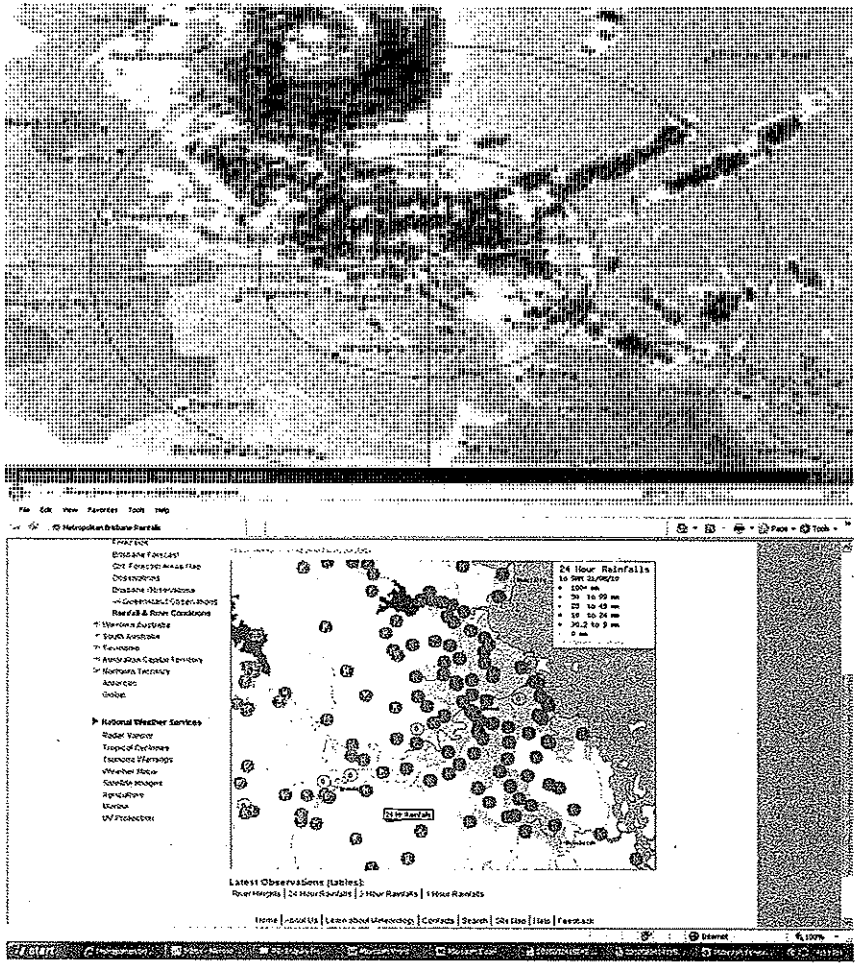


Knowledge & Information

Need to turn all the data which is currently available from various external sources,

And combine them with our data and models

to create event action plans



Into Forward Plans



Sustainability & Success

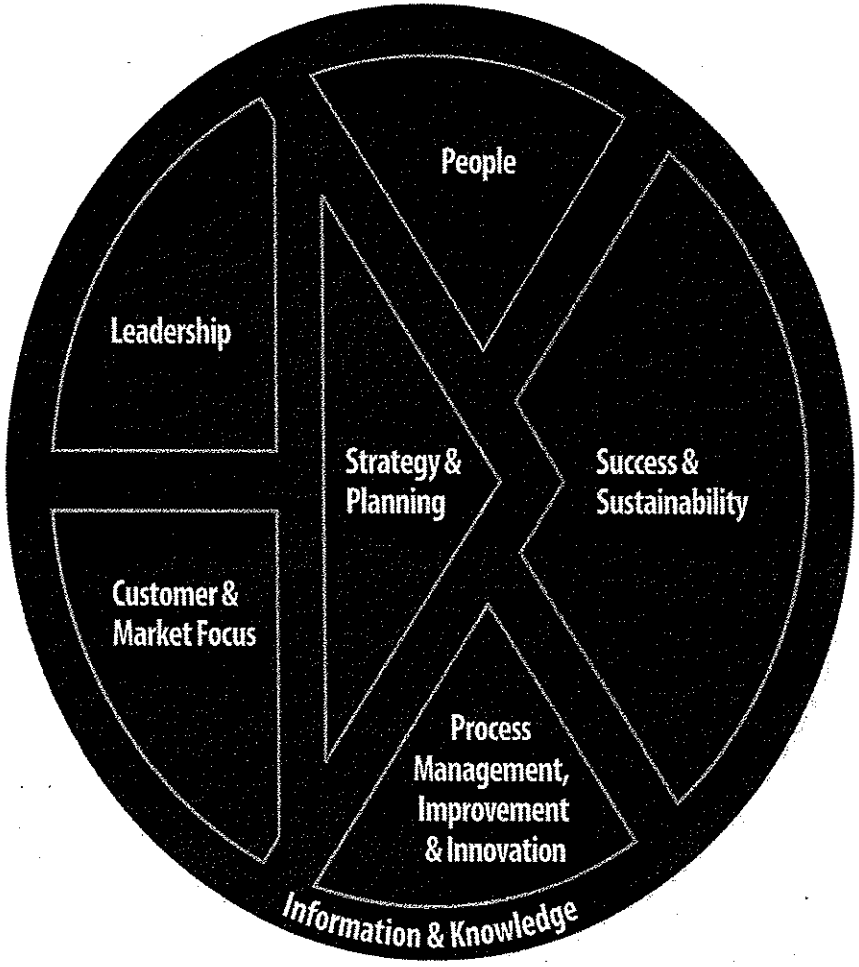
"The ability to prevent, prepare, respond to and recover from disasters is a significant component of overall resilience which encompasses social economic, environmental and governance elements".

National Resilience Strategy Actions:-

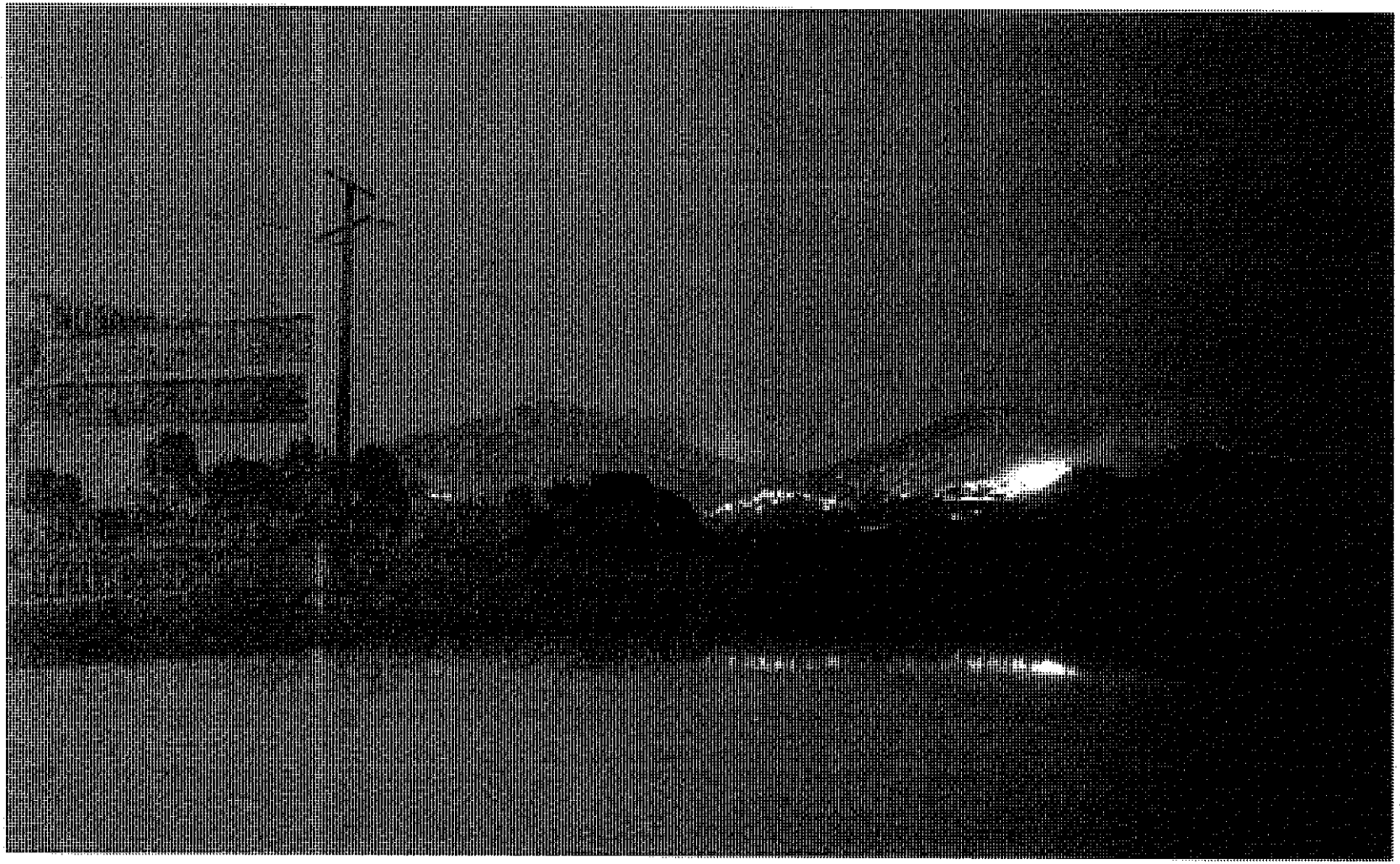
- **1. Community Understanding of Weather Related Risks**
- **2. Risk Appropriate Land Use Planning & Zoning**
- **3. Risk Appropriate Mitigation Measures**
- **4. Risk Appropriate Property protection Standards**
- **5. Financial Risk Mitigation in the Community**
- **6. Community Emergency & Recovery Planning**

The last piece - Leadership

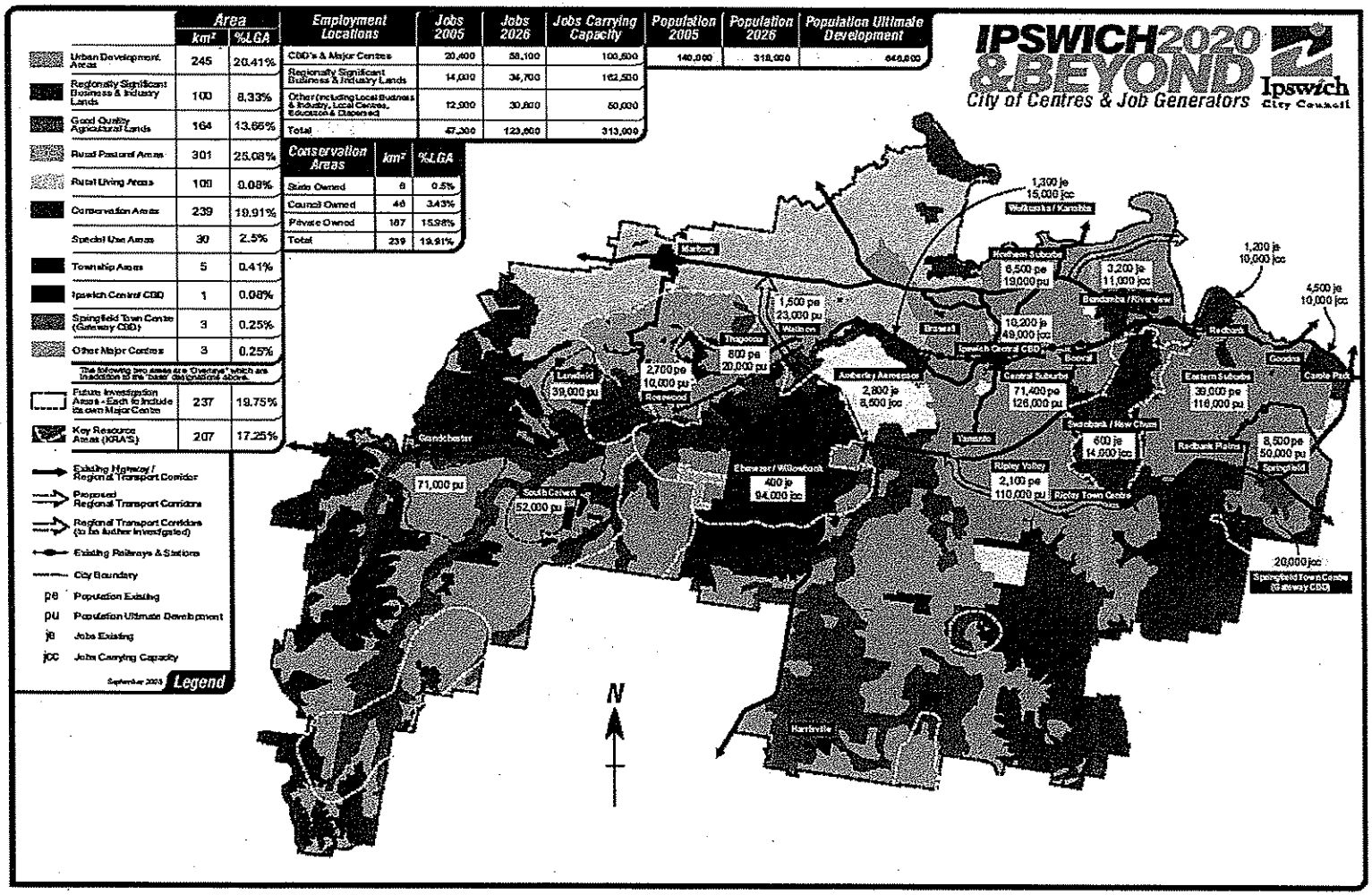
- Educate & build Resilient Communities
- Ensure Natural Hazard mitigation forms a integral part of all Planning activities
- Maintain a competent, well trained and resourced Workforce, both Council & Volunteer Agencies
- Continuous Improvement – learn on lessons learnt
- Use our Knowledge & Information resources to make better informed decisions
- Prepare our community



Are we ready for this?



Or this? (update with modified picture)



Any Questions?



TT:LK
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City Works Committee	
Mtg Date: 09/08/10	OAR:
Authorisation: Ross Drabble	

ITEM 4

2 August 2010

MEMORANDUM

TO: CHIEF OPERATING OFFICER (ENGINEERING SERVICES)

FROM: BUSINESS SUPPORT MANAGER

RE: APPLICATIONS FOR NATIONAL DISASTER RESILIENCE PROGRAM

INTRODUCTION:

This is a report by the Business Support Manager dated 2 August 2010 concerning Council's applications for Community Resilience Funding.

BACKGROUND:

On the 4th June 2010, Emergency Services Minister Neil Roberts launched the second round (Round 2) of the joint Federal and State government-funded Natural Disaster Resilience Program confirming the availability of up to $14 million in grants were available to enhance resilience from disasters including cyclones, flooding and bushfires. The Natural Disaster Resilience Program (NDRP) is a four year disaster risk reduction and community resilience grants program which focuses on Queensland's unique natural hazard risk profile.

The NDRP enables eligible organisations, including state agencies, local governments and community organisations to apply for funding available on a competitive basis. The funding arrangement is on a 1/3 contribution by the Federal, State and the applicant.

The NDRP vision is to "reduce Queensland communities vulnerability to natural hazards by supporting local governments and other stakeholders to build community resilience". The NDRP achieves this through a number of strategies;

- Reducing community vulnerability to natural hazards
- Supporting community stakeholders build community resilience and increase community self-reliance
- Promoting innovation through building partnerships between sectors
- Supporting volunteering
- Encouraging a regional or catchment area approach to mitigation and potential impacts due to climate change
- Ensuring NDRP funding is used in an efficient way.

Priorities for NDRP Round 2 are:
(1) Target NDRP funding to Queensland's highest natural hazard risks (flooding, storm surge and cyclone, severe storm and bushfire);
(2) Enhance community preparedness for natural events through community education and

.../2

awareness raising; and,
(3) Strategic targeting to increase resilience across sectors.
(4) volunteer capacity building initiatives.

Round 1 of the NDRP was well-received with the Department of Community Safety receiving 58 applications from across Queensland, with more than $7 million approved for a wide variety of projects and initiatives. Ipswich City Council made application for 7 initiatives in this round, of which 2 initiatives were approved, being;

- Increasing the Flood Resilience of the Rosewood Township
- Increasing the Flood Resilience of Lower James Street area, Goodna – Planning Study

APPLICATIONS FOR ROUND 2:

For the NDRP Round 2 of Funding, Ipswich City has identified the following initiatives (in order of Priority) for funding consideration;

Initiative Name	Outcomes
Increasing the Flood Resilience of Greater Thagoona	▪ Build a regional catchment model ▪ Identify mitigation options and explore to concept stage taking into account infrastructure roads & rail ▪ evaluate options on a risk basis to arrive at optimum solution that can be recommended for implementation.
Update of Ipswich Natural Disaster Risk management Study and Ipswich Disaster Management Plan	▪ Phase 1 - Interim Natural Disaster Management Study which takes account of community resilience impacts ▪ Phase 2 - Updated flood modelling for both regional and local flood events ▪ Phase 2 - flood risk management plan including sub-plans for individual catchments where warranted ▪ Phase 3 – Updated Natural Disaster Risk Management Plan ▪ Phase 3 - Updated Ipswich Local Disaster Management Plan
Development of the Brisbane River and Bremer River Event Modelling and action plans - Joint Applicant with Brisbane City Council(BCC) and Somerest Regional Council(SRC)	Build Inundation Maps across 10 event profiles to identify; ▪ Critical Infrastructure impacts ▪ Isolated areas, and ▪ Evacuation zone mapping to enable the development of event action plans for use by LDMG and SES in response to future events.
Pilot for the calibration of	Investigation of a minimum of 2 sites within Ipswich City

critical crossings to Alert / Floodwise monitoring systems – Joint Application with Brisbane City Council(BCC) and Gold Coast City Council	(6-8 overall) to validate the proposed road closure management system for use in natural events.
Feasibility Pilot for Event Surveillance Cameras	▪ use Marburg Detention Basin and Rosewood Detention Basin as pilot sites for the usage of remote surveillance cameras as a management solution for key infrastructure during events.
Floodway upgrade at Grey's Plains Road, Mount Mort	▪ Improve the resilience of Greys Plains Road and of the community depending on it for access to and egress from their properties, as part of the overall Ipswich City Natural disaster Mitigation Programme.

RECOMMENDATION:

A. That the report be received and the contents noted.

B. That Council submit applications for funding under the Natural Disaster Resilience Program for the implementation of the identified initiatives detailed in the report by the Business Support Manager dated 2 August 2010.

Tony Trace
BUSINESS SUPPORT MANAGER – ENGINEERING SERVICES

I concur with the recommendation/s contained in this report.

Ross Drabble
CHIEF OPERATING OFFICER (ENGINEERING SERVICES)

City Works Committee	
Mtg Date: 29/11/2010	OAR: Yes
Authorisation: ***Ross Drabble***	

TT:TT
H:\Admin\Reports\Ctee\10\11 Nov\22 Nov\Funding Applications for Community Resilence.doc

ITEM 4
18 November 2010

MEMORANDUM

TO: CHIEF OPERATING OFFICER (ENGINEERING SERVICES)

FROM: BUSINESS SUPPORT MANAGER

RE: APPLICATIONS FOR NATIONAL DISASTER RESILIENCE PROGRAM

INTRODUCTION:

This is a report by the Business Support Manager dated 18 November 2010 concerning Council's applications for Community Resilience Funding.

BACKGROUND:

On the 4 June 2010, Emergency Services Minister Neil Roberts launched the second round (Round 2) of the joint Federal and State government funded Natural Disaster Resilience Program confirming the availability of up to $14 million in grants were available to enhance resilience from disasters including cyclones, flooding and bushfires. The Natural Disaster Resilience Program (NDRP) is a four (4) year disaster risk reduction and community resilience grants program which focuses on Queensland's unique natural hazard risk profile.

The NDRP enables eligible organisations, including state agencies, local governments and community organisations to apply for funding available on a competitive basis. The funding arrangement is on a 1/3 contribution by the Federal, State and the applicant.

The NDRP vision is to "reduce Queensland communities vulnerability to natural hazards by supporting local governments and other stakeholders to build community resilience". The NDRP achieves this through a number of strategies;

- Reducing community vulnerability to natural hazards
- Supporting community stakeholders, build community resilience and increase community self-reliance
- Promoting innovation through building partnerships between sectors
- Supporting volunteering
- Encouraging a regional or catchment area approach to mitigation and potential impacts due to climate change
- Ensuring NDRP funding is used in an efficient way.

.../2

Priorities for NDRP Round 2 are:

(1) Target NDRP funding to Queensland's highest natural hazard risks (flooding, storm surge and cyclone, severe storm and bushfire);
(2) Enhance community preparedness for natural events through community education and awareness raising; and,
(3) Strategic targeting to increase resilience across sectors.
(4) Volunteer capacity building initiatives.

APPLICATIONS FOR ROUND 2:

For the NDRP Round 2 of Funding, Ipswich City identified the 6 initiatives (in order of Priority) for funding consideration and has been successful in obtaining the following contributions from the Community Resilience Fund;

Initiative Name	Outcomes	Contribution Approved
Increasing the Flood Resilience of Greater Thagoona	▪ Build a regional catchment model ▪ Identify mitigation options and explore to concept stage taking into account infrastructure roads and rail ▪ evaluate options on a risk basis to arrive at optimum solution that can be recommended for implementation.	• State $116,600 • Federal $116,600
Update of Ipswich Natural Disaster Risk management Study and Ipswich Disaster Management Plan	▪ Phase 1 - Interim Natural Disaster Management Study which takes account of community resilience impacts ▪ Phase 2 - Updated flood modelling for both regional and local flood events ▪ Phase 2 - flood risk management plan including sub-plans for individual catchments where warranted ▪ Phase 3 – Updated Natural Disaster Risk Management Plan ▪ Phase 3 - Updated Ipswich Local Disaster Management Plan	• State $29,000 • Federal $29,000
Development of the Brisbane River and Bremer River Event Modelling and action plans - Joint Applicant with Brisbane City Council(BCC) and Somerest Regional Council(SRC)	Build Inundation Maps across 10 event profiles to identify; ▪ Critical Infrastructure impacts ▪ Isolated areas, and ▪ Evacuation zone mapping to enable the development of	• State $187,500 • Federal $187,500

.../3

Initiative Name	Outcomes	Contribution Approved
	event action plans for use by LDMG and SES in response to future events.	
Pilot for the calibration of critical crossings to Alert / Floodwise monitoring systems	Rectification of identified Alert Flood Warning Monitoring system gaps within Ipswich City to validate the proposed road closure management system for use in natural events.	• State $166,752 • Federal $166,752
Feasibility Pilot for Event Surveillance Cameras	Use Marburg Detention Basin and Rosewood Detention Basin as pilot sites for the usage of remote surveillance cameras as a management solution for key infrastructure during events.	• State $31,000 • Federal $31,000
Floodway upgrade at Grey's Plains Road, Mount Mort	Improve the resilience of Greys Plains Road and of the community depending on it for access to and egress from their properties.	• State $140,000 • Federal $140,000

Also to note, Ipswich River Improvement Trust also received $200,000 funding contribution to the Woogaroo Creek Catchment Study and Flood Risk management study.

RECOMMENDATION:

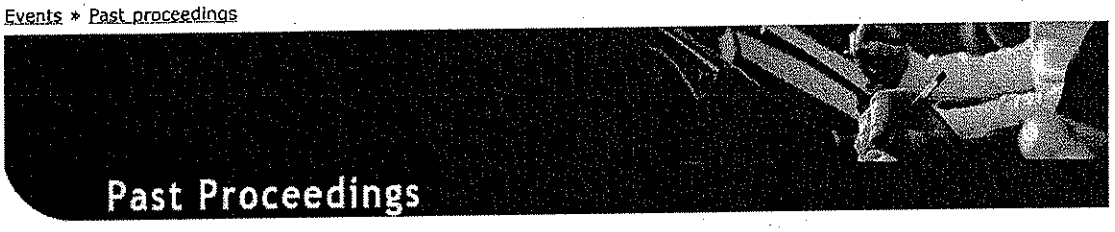
That the report be received and the contents noted.

Tony Trace
BUSINESS SUPPORT MANAGER – ENGINEERING SERVICES

I concur with the recommendation contained in this report.

Ross Drabble
CHIEF OPERATING OFFICER (ENGINEERING SERVICES)

Events » Past proceedings



Proceedings and speakers' presentations are only listed with the prior consent of presenters. Individual presentation notes can also be found using the search function within the LGAQ Library.

Past Annual Conference Proceedings

2009 Annual Conference
Brisbane
24 - 27 August

Preliminary Agenda 2009
Proceedings 2009

2008 Annual Conference
Cairns
1 - 4 September

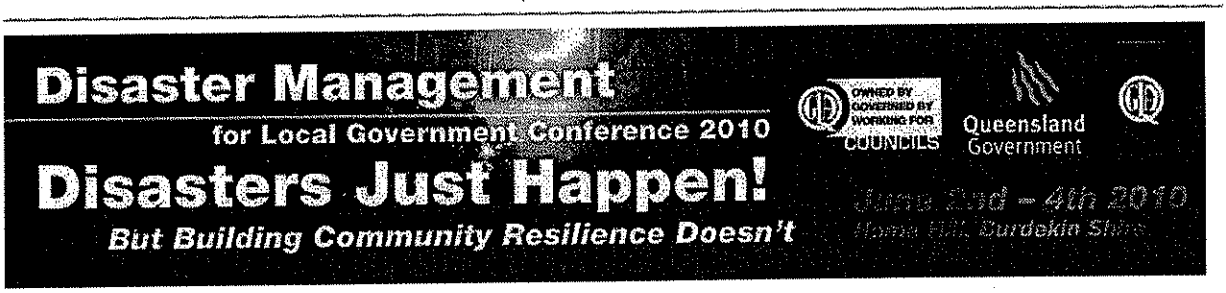
Preliminary Agenda 2008
Proceedings 2008

Recently added proceedings

« Back

2010 Disaster Management Conference - Proceedings and Notes

Events



2010 Disaster Management Conference - Proceedings and Notes

Disasters Just Happen But Building Community Resilience Doesnt

Where:**Burdekin Memorial Hall, Home Hill**
When: **02-06-2010 to 04-06-2010**

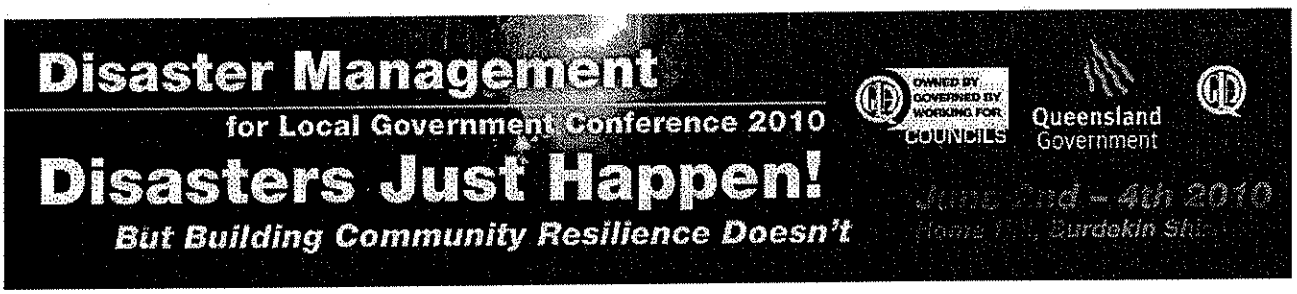
Proceedings and Notes

Day 1 - Wednesday 2 June 2010 - Technical Tours

Day 2 - Thursday 3 June 2010 - Building Resilience through better prepardness and planning

Day 3 - Friday 4 June 2010 - Responding and Recovering - Now and in the Future

Disaster Management, Day 2: Thursday, 3 June

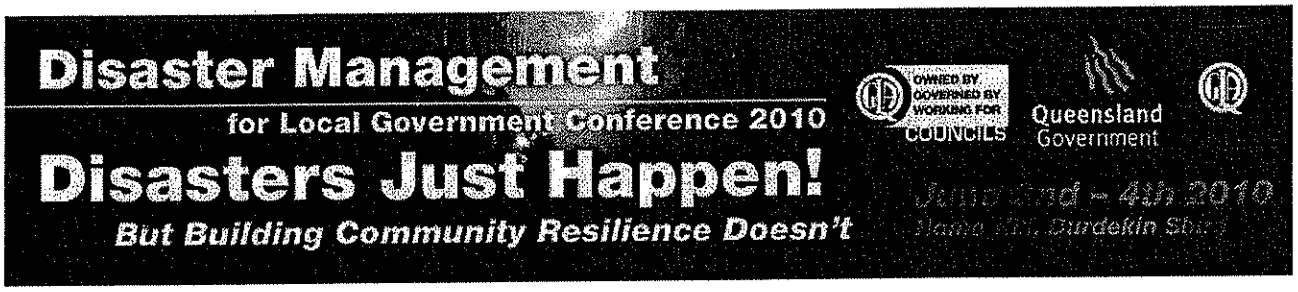


Day 2: **Thursday, 3 June – Building Resilience through better Preparedness and Planning**

Time	Sessions	
8:00am – 9:30am	*Registration and Trade Expo*	
8:15am – 9:30am	*Natural Disaster Resilience Program (NDRP) Workshop*	
9.30am	*Welcome to Conference* **Mr Greg Hoffman** PSM, Director – Policy and Representation, LGAQ	
9:30am – 9:45am	*Opening Address* **Cr Paul Bell** AM, President, LGAQ	
9:45am – 10:00am	*Welcome to the Burdekin Shire* **Cr Lyn McLaughlin** Mayor, Burdekin Shire Council	
10:00am - 10:30am	*The Disaster Management Landscape* **Mr Jim McGowan** Director General, Department of Community Safety *The Disaster Management Landscape by Jim McGowan*	
11:15am – 12:30pm	*Stream 1 – Disaster Management Planning & Policy* **Mr Mike Shapland** Director – Disaster Management, Emergency Management Queensland, Department of Community Safety *Disaster Management Planning by Mike Shapland* **Mr Bruce Grady**	*Stream 2 - Disaster Management Systems & Tools* **Ms Chris Madsen** Software Developer, QITPlus *Disaster Management Systems & Tools by Chris Madsen* **Mr Neil Polglase** Director, Corporate Services, Murweh Shire Council *Disaster Management Systems & Tools by Neil Polglase*

	Deputy Chief Emergency Management Queensland **Supt Scott Trappett** Manager Disaster and Major Events Planning Branch Queensland Police Service *Disaster Management Planning & Policy by Supt Scott Trappett*	**Mr Peter Hillcoat** Disaster Management Program Officer, Brisbane City Council *Disaster Management Systems & Tools by Peter Hillcoat*
1:15pm - 1:30pm	*Key Sponsor Presentation* **Mr Louis Boyle** Telstra	
1:30pm - 2:55pm	*Frank, Fearless and Future Focused* **Panel Facilitator:** Mr Greg Hoffman PSM – Director, Policy and Representation, LGAQ **Panel Members:** Cr Lyn McLaughlin – Mayor, Burdekin Shire Council Mr Jim McGowan - Director General, Department of Community Safety Mr Bruce Grady – Acting Chief Officer, Emergency Management Queensland. Supt Scott Trappett – Disaster and Major Events Branch, Queensland Police Service Mr Michael Dickinson – Disaster Management Alliance Project Officer, LGAQ	
3:30pm - 4:00pm	*"Getting Competent" or Rafferty's Rules?* **Mr Alan White** Director, Department of Community Safety **Mr Peter McNamee** Manager – Training, Gold Coast City Council *Getting Competent by Peter McNamee*	
4:00pm - 5:00pm	*Lessons from the South* **Mr Joe Buffone** Deputy Commissioner, Victorian Emergency Services *Lessons from the South by Joe Buffone*	

Disaster Management, Day 3



Day 3: **Friday, 4 June – Responding and Recovering – Now and in the Future**

9:00am – 10:25am	*Lessons from the Field* *Community and Psycho-Social Recovery – from just surviving... to thriving* **Phil Carney,** Director, Department of Communities *Lessons from the Field by Phil Carney* • *Recovery of Essential Infrastructure – if it's broke, can't we fix it better?* **Mr Geoff Bowes** Area Operations Manager, Ergon Energy *Lessons from the Field by Geoff Bowes* • *Recovering Local Economies – it's the life blood of the community!* **Mr Robert Clark** Chief Executive Officer, Hinchinbrook Shire Council *Lessons from the Field by Robert Clark* **Mr Gerard Byrne** Acting Manager, Regional Corporate Capabilities, DEEDI *Lessons from the Field by Gerard Byrne*
11:00am – 11:30am	*Changing Climates are Changing the Response Rules?* **Mr Jim Davidson** Regional Director Qld, Bureau of Meteorology *Changing Climates are Changing the Response Rules by Jim Davidson* **Mr Peter Baddiley**

	Manager, Water and the Environment, Bureau of Meteorology
11:30am – 12:00pm	*Assessing Risks and Hazards – Old News or New Wisdom?* **Mr Bruce Hankinson** Managing Director, Raft Risk Solutions *Assessing Risks and Hazards by Bruce Hankinson*
12:00pm – 12:30pm	*"Committed to Building Community Resilience"* **Hon Neil Roberts MP** Minister for Police, Corrective Services and Emergency Services
12:30pm – 1:00pm	*Conference Communiqué* **Mr Greg Hoffman PSM** Director – Policy and Representation, LGAQ
1:00pm	*Conference Close* **Cr Paul Bell AM** President, LGAQ

Kerrie Tillack

Subject:	Disaster Management Joint Information Sessions
Location:	QPS Headquarters - Roma St
Start:	Mon 19/07/2010 9:00 AM
End:	Mon 19/07/2010 1:00 PM
Recurrence:	(none)

Location: Ground Floor Conference Room

Police Headquarters

200 Roma Street, Brisbane

Date: Monday July 19th 2010

Time: 0900-1300

From: [redacted]
Sent: Friday, 11 June 2010 11:39 AM
To: [redacted]
Cc:
Subject: Disaster Management Joint Information Sessions

To all.

The following information and request for advice was provided to the Ipswich DDC yesterday by the Disaster and Major Event Planning Branch

Brisbane.

Can you please check the date and times provided at the bottom of the advice and provide your urgent advice by return email as to the suitability of the proposed time and date for this joint information session.

Your response would be appreciated by **COB, Wednesday 15 June** to meet the time frames outlined below.

A **formal invitation** with a confirmed time, date and place will be sent to you shortly following receipt of your feedback. This invitation will request advice of attendee numbers from your council / agency / organisation to assist with catering and ensure the proposed venue is suitable.

CHANGES TO THE DISASTER MANAGEMENT ARRANGEMENTS – JOINT INFORMATION SESSIONS

Background:

In 2009 the Department of Community Safety (DCS) commissioned an independent review of disaster management legislation and policy. The review assessed the appropriateness of the Disaster Management Act 2003, policies, guidelines and plans, as well as management and accountability issues relating to the State Emergency Service.

Recommendations resulting from the Review were made to ensure that the Government is able to deliver better outcomes in the areas of speed, efficiency and effectiveness of responses to communities impacted by disaster events.

The recommendations include amendments to the Disaster Management Act 2003 (DMA) and the Public Safety Preservation Act 1986 (PSPA), and operational and policy changes of disaster management in Queensland.

The recommendations were endorsed by Cabinet on 8 February 2010. These recommendations, in part, shift substantial disaster management operational responsibilities from Emergency Management Queensland (EMQ) to the QPS.

A Bill to amend the DMA and PSPA was introduced in the Legislative Assembly on 8 June 2010. It is anticipated that legislative changes will take effect by the 1 November 2010.

A joint Department of Community Safety / QPS project implementation team will be conducting a series of information sessions across the State to ensure all relevant stakeholders are made aware of the changes to the disaster management arrangements.

Proposed joint information session details:

The following joint information session has been proposed for your district (venue details are still to be confirmed):

Monday July 19th

0900 – 1300

Presentation in Brisbane to:

- *LDMGs as invited by DDCs*
- *DDMGs as invited by DDCs (Brisbane, Ipswich, Redcliffe)*

- *QPS officers as invited by DDCs*
- *EMQ officers as invited by EMQ Regional Director*

This proposed Information Session is specifically targeted at:

- Local Government Mayors, Councillors, CEOs and Disaster Management Officers
- Members of Local Disaster Management Groups
- Members of District Disaster Management Groups
- Regional EMQ staff
- Regional QPS staff

and will cover the following issues:

- The changes to the *Disaster Management Act 2003* and the *Public Safety Preservation Act 1986*
- How these legislation changes will affect you
- How the state-wide policy changes will affect you
- When the changes will occur

Due to relatively large number of attendees from a diverse range of agencies and organisations for the 11 planned joint information sessions around the State, and the imperative to provide this information as soon as practicable, a minimal amount of flexibility exists to the proposed date for your district. .

The DM Bill was introduced into the Legislative Assembly on Tuesday 8 June. You would be interested to know that the DM Bill and the Explanatory Notes are now published on the following link:

http://www.parliament.qld.gov.au/view/legislativeAssembly/tabledPapers/tabledPapers.asp?Type=2&DateFrom=&DateTo=

This means that these are open source documents and their contents are no longer subject to 'Cabinet-in-Confidence'.

It is not anticipated that any significant changes will be made to the Bill prior to its enactment.

Thankyou

Robbie Goodger

Senior Sergeant

District Duty Officer

Operations Officer DDMG

Ipswich District

Yamanto Complex

Ph 38171406

goodger.robbies@police.qld.gov.au

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Prepare for more storms: SES

By **YVONNE GARDINER**
yvonne.gardiner@qt.com.au

AN HOUR or so of work around the home could guard against major damage during the current storm season.

This is the message Ipswich State Emergency Service local controller Arie van den Ende is pushing as hard as he can.

"October is the start of storm season. It'll go through until around May," he said.

"We've been told we're going to have above-average rainfall and more storms.

"If you live anywhere near trees, please check your gutters.

"A build-up of leaves could cause water damage to the house when it rains."

Mr van den Ende says this is damage that is easily preventable.

"The rubbish will wash into the downpipe and block it," he said.

"People should also check that their roofs are sound.

"An hour's work over the weekend will avoid hardship."

With three new trucks and a swag of updated computer equipment, the Ipswich SES is better equipped than ever to deal with emergencies.

"The new computer program will give the SES a quicker response capability," Mr van den Ende said.

"The new trucks are purpose built for storm activations and are capable of carrying equipment for flooding, like a large quantity of sandbags."

Local SES groups are on the look-out for volunteers to cope with what looks certain to be the busiest time of the year.

"We've got a stable membership in groups at Goodna, Ipswich, Marburg and Rosewood, but we always need more," Mr van den Ende said.

"SES members are trained and insured to cover roofs with tarps and other vital emergency work – they are not there to do routine maintenance like cleaning gutters."

Ipswich Councillor Trevor Nardi is chairman of the Local Disaster Management Group, which includes the SES, emergency services and council representatives.

Cr Nardi said the group's biggest issue last year was minor flooding.

"The indication is that we could be in for a wet season," he said.

"Everything is in place and we're ready to go at any time."

Call SES on 3810 7839 for membership details.

Anyone needing the SES during an emergency should call 132 500.

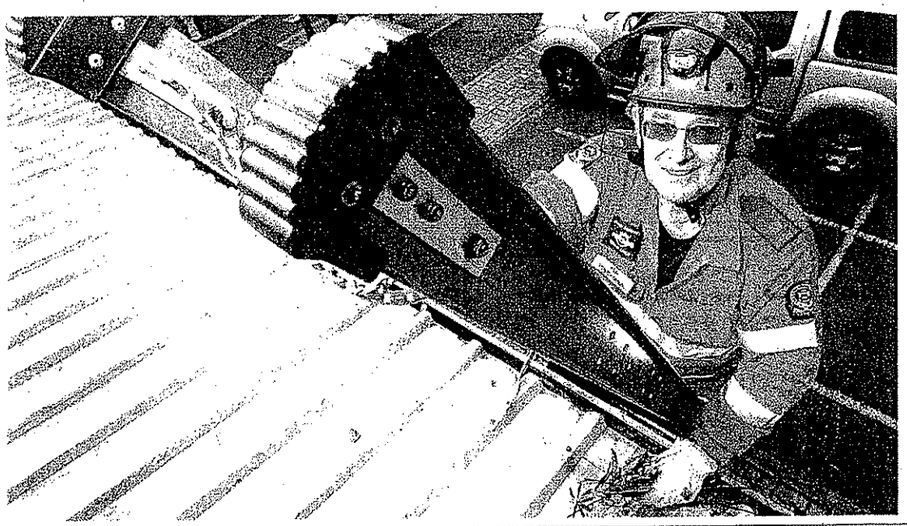


Photo : Claudia Baxter
0C0710BH

Ipswich SES deputy group leader Ken Ord urges householders, already hit with wild, wet weather, to prepare for more storms this season by clearing their gutters and checking roofs are sound.

Be ready for a stormy summer

By **YVONNE GARDINER**
yvonne.gardiner@qt.com.au

WITH severe storms predicted this year and the probability of heavy rain, Ipswich residents are advised to prepare now.

Local Disaster Management Group (LDMG) chairman Councillor Trevor Nardi said people should not be overly anxious about the dire warnings.

"I think if an event was to occur, residents will have timely advice," he said.

"Residents should however have an emergency plan and items like a radio and torch.

"We now have a lot better ability to model events like the 1974 flood – the current computers can model events like storms and floods to a much better degree, which allows us to better understand the local and major flooding issues.

"We also have far better information coming to us from other agencies like the weather bureau and that information allows us to make a better judgment of which areas are being affected."

Cr Nardi said the city's media, including radio, provided valuable information in the event of storms or floods.

"The LDMG (council) will handle the storm events like November 2008 but, if we had a 1974-style event, then the district level would take over, which is run by the police and we would play a supporting role," he said.

"We have many areas all over Ipswich which can be affected to some degree by storms but a 1974-style event usually affects the Bremer River and tributaries that flow into it."

To prepare for storms, householders should make sure the gutters and downpipes on their homes are free of leaves and not blocked.

Loose items should be secured during storm season – items like building materials, tables and chairs, and kids' play equipment.

Premier Anna Bligh has directed all State Government agencies to be on alert and prepared over summer after a senior meteorologist briefed Cabinet about one of the most potentially busy storm seasons since the 1970s.

Bureau of Meteorology regional director Jim Davidson said Queensland could experience up to six cyclones over summer and well above average rainfalls.

Queenslanders should be prepared for not only cyclonic conditions but potential flooding.

they are not there to do routine maintenance like cleaning gutters."

Ipswich Councillor Trevor Nardi is chairman of

6000 HOUSES IN FLOODZONE

Prepare for the worst NOW, warns SES

NATURAL disaster experts say floods from a predicted cyclone in the upcoming storm season could affect 6000 homes in the Ipswich area.

That's six times more homes than were inundated during the notorious floods in January 1974.

With weather forecasters predicting a weather event similar to the 74 floods, authorities say now is the time for people to prepare.

PETER FOLEY
pfoley@qt.com.au

The State Emergency Service (SES) says residents have to take steps themselves rather than wait for rescue crews to help them.

The Ipswich Local Disaster Management Group (LDMG) met yesterday at SES headquarters to assess the city's flood readiness.

The LDMG is made up of natural disaster experts from groups including the council, ambulance, police, fire service and the State Government.

QT 27-10-10

To Page 2



RESCUE: Ipswich SES in action in 2010.

Page 2

QT 27/1/10

Residents urged to be ready for flood threat

From Page 1

LDMG deputy chairman Trevor Nardi said that in 1974 just over 1000 properties were affected. Now it could be 6000.

Cr Nardi said flood monitors were being tested, alerts refined and Ipswich Showgrounds investigated as an emergency assembly point.

Emergency Management Queensland (EMQ) regional director Eddie Bennet said there was "a big chance of the similar weather event to the 74 floods".

"The Bureau of Meteorology (BoM) is forecasting severe storms and tropical cyclones," Mr Bennet said.

"Some of the weather websites are predicting seven or more cyclones but the bureau is saying six, with one crossing the coast in the south east.

"So there's more storms, that means more rain and that means more flooding. There are a lot of parallels with the 74 floods."

BE PREPARED

Step 1: Prepare your household emergency plan
Step 2: Prepare an emergency kit and evacuation kit
Step 3: Prepare your home
Step 4: Tune into warnings on the radio

SES Ipswich controller Are van den Ende said some people were already taking steps to get ready for flooding.

"We've had a large number of requests for sandbags," Mr van den Ende said.

"We've been giving out 20 a day so the 800 stacked up the back is decreasing all the time."

He was also looking at inflatable sandbags for elderly people.

He said people should realise the SES was there to rescue people, not perform tasks such as moving furniture out of flooded homes.

"The SES will be busy taking care of people; they won't be able to do things like move furniture," he said.

"The focus is on lives not furniture."

He said people had to be prepared to move if need be and take into account items such as medication and pets and making sure cars were moved to higher ground.

"People should have a plan of where they are going to move to if they are in inundated areas," he said. "We've got to get people to think about it. It's not the sort of thing people think about every day.

"They have to decide: do I stay, do I go, when I go, do I take my furniture?."

Meanwhile, the third trial of Queensland's new emergency alert system was conducted at Esk on Monday night.

The $15 million telephone-based emergency system alerts all residents who have a billing address in an affected area.

1/11/10



NEW GEAR: SES groups were presented with new trucks by the Ipswich City Council at a ceremony yesterday. Pictured (at front) are Jeff Lindsay, Rob Probst, Arie van den Ende, Howard Hancock and Beth Suhr.
Photo: Rob Williams OC311OWF

Timely replacement for SES

THREE purpose-built trucks have replaced the SES fleet in time for what could be a busy summer period for the city's volunteers.

The Isuzu dual cabs can seat seven people and have 750kg lifters and room for vital emergency equipment.

Valued at $93,000 each, the trucks are a marked improvement on the old trucks, which will be auctioned.

Deputy Mayor Victor Attwood made the presentation to the SES at their Ipswich headquarters yesterday. "Council fully supports the SES and the work they do to help residents during natural disasters, traffic accidents, at crime scenes and much more," Cr Attwood said.

"We depend on the SES to be there in times of need, so ensuring they have the right equipment to do their jobs is important and necessary."

City Works Committee chairman Councillor Trevor Nardi said the trucks contained emergency roof repair equipment and could carry up to two tonnes of sandbags.

A fourth truck is due to be delivered in about four months.

The total value of the equipment provided by Ipswich City Council is $357,000.

SES local controller Arie van den Ende said the new trucks were better suited to cope with emergency calls from people affected by storms.

He encouraged residents to check their roofs to ensure they are ready for summer.

[redacted]

Flooding fears on the rise

QT 8/12/10

FLOODING across Queensland and New South Wales could spread to five states this week.

The news came as Ipswich City Council received more than $1.3 million in State and Federal funding to start disaster risk reduction in six locations.

City Works Committee chairman Trevor Nardi said council applied for funding to ensure appropriate work was undertaken to minimise the risks and damage from natural disasters, such as flooding.

"The projects are due to commence in the next 12 months," he said as rain continued to fall across the Ipswich region.

Weather Channel meteorologist Tom Saunders said a second burst of heavy rain this week was likely to cause havoc.

"By the end of the week five states could have flooding," Mr Saunders said.

"There is no doubt that this is one of the most significant rain events of the past few decades."

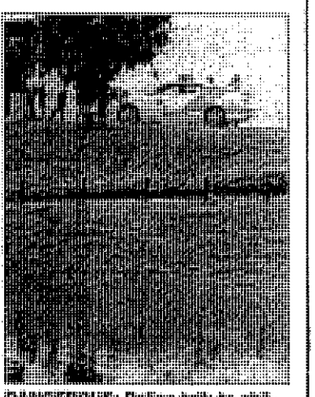
Bremer River peaked at 11 metres at 3pm and more rain predicted



ROAD? WHAT ROAD?: Troy and Kerri Tuloff with their daughters Zara and Taya witness the effects of the Bremer River flooding over the One Mile Bridge, One Mile yesterday. Photo: Sarah Harvey DE27LOHL



DICEY: People drive through floodwater in Ipswich. DE27LOHL



DANGEROUS: Police talk to children swimming in floodwater at Jim Finimore Oval. DE27LOHL

City prepares for worse

PETER FOLEY
pfoley@qt.com.au

IPSWICH'S Local Disaster Management Group (LDMG) convened yesterday to determine the city's response to possible floods.

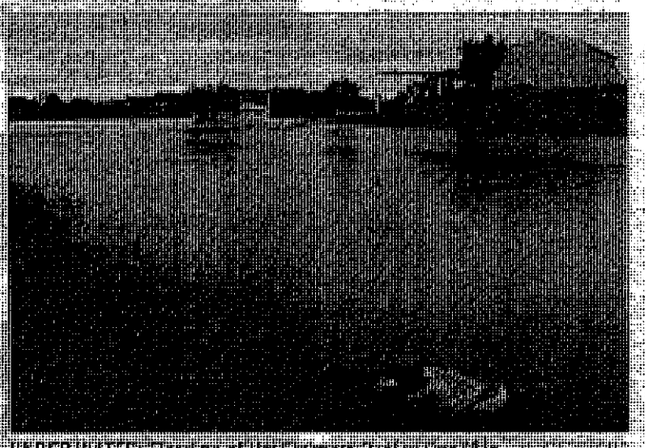
LDMG deputy chairman Trevor Nardi said the group was acting in part on rainfall forecasts from the Bureau of Meteorology (BoM).

"BoM is saying we could take an increase overnight. This would lead to minor to moderate flooding," Cr Nardi said.

"It's all precautionary, but we're better off being on the front foot than the back foot."

Heavy falls led to an upgrade of the flood level at David Trumpy Bridge over the Bremer River, which peaked at 11 metres about 3pm.

That's similar to 2008 when [illegible] flooding [illegible] time shouldn't be as bad because [illegible] coming down Bundamba Creek to back up the Bremer.



UNDER WATER: Flooding at Jim Finimore Oval at One Mile. [illegible]

However, he spent yesterday afternoon advising residents and business owners in flood-prone areas including around Bundamba Creek to be on standby in case levels rose [illegible].

"The LDMG has a meeting just before Christmas and we went into what they call the 'fish forward position'. That means we're aware of the situation, we're monitoring it and we've got people on standby in case the situation gets worse.

"We're still in that position. The [illegible] stand up."

[illegible] Bridge went under water [illegible] to the road approaching it.

"There will be expense, but I can't really put a figure on it yet," he said. "At this stage I would think it would be in the tens of thousands rather than a hundred thousand or more.

"What we're doing at the moment is mainly fixing the major roads straight away.

"After we settle down early in the New Year we'll look at the rest of the damage and what needs to be done to fix that.

"I understand the damage at the Kholo Bridge is on the Brisbane side. College's Crossing is sure to be damaged again as well, but we'll assess that later on.

"I don't think it will be as bad as last time because the water is being released from Wivenhoe at a slower rate that last time."

MORE FLOOD PHOTOS, www.qt.com.au

THE QUEENSLAND TIMES
Thursday, January 6, 2011 $1

ALL YOU NEED FO

GET SET FOR MORE WET

Crossing may close for 4th time

ZANE JACKSON
zane.jackson@qt.com.au

THE Ipswich region should brace itself for more wet and wild weather in the coming days with forecasters predicting a return of heavy rain.

Bureau of Meteorology (BOM) modelling shows rain and thunderstorms are likely to drench the region well into next week.

It comes as bad news for residents in Ipswich and areas like the Lockyer Valley, Somerset and Scenic Rim, which have recently suffered extensive flooding.

With Wivenhoe Dam almost 100 per cent, there are fears the rain will force dam gates to reopen and flood Colleges Crossing for the fourth time in recent months.

The crossing, which links Ipswich's northern suburbs and the Brisbane suburbs of Mt Crosby and Karana Downs, has just reopened after closing for weeks.

Ipswich City Council Mayor Paul Pisasale said he was just as frustrated as the nearby residents about the closures and called on the state-controlled crossing to be given an upgrade.

"It needs to be improved. It goes under too many times, and it's not good enough for our growing city," Cr Pisasale said.

Member for Moggill Bruce Flegg's electorate borders the crossing. He said the crossing was not a quiet rural road but one that carries about 10,000 cars a day.

"Colleges Crossing is a vital link for our local community and it is all too often closed due to rising water levels," Dr Flegg said.

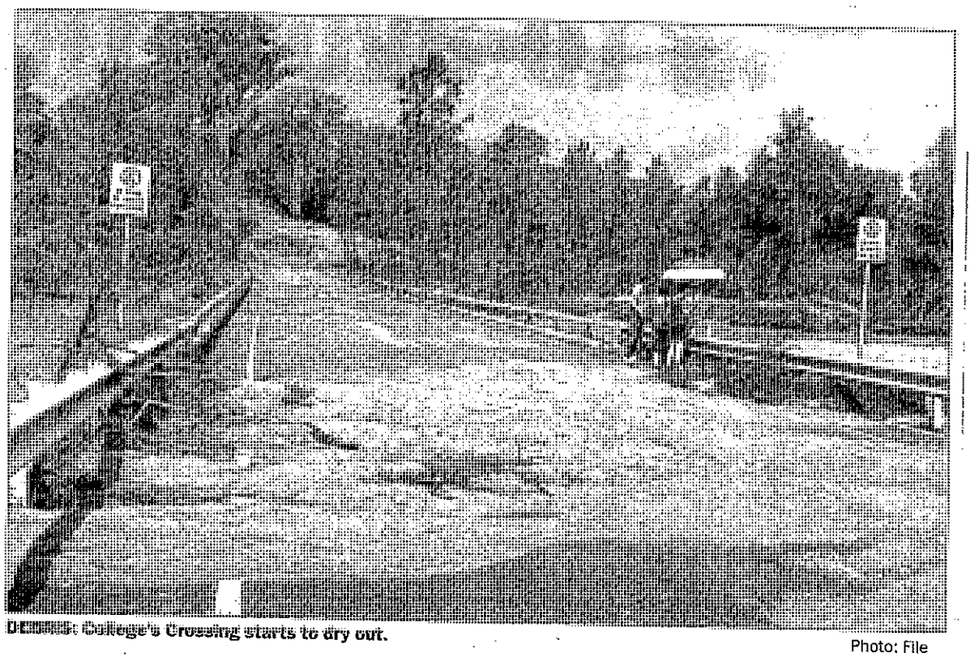
Ipswich City Council's works committee chairman Trevor Nardi said the overall cost of the flood clean-up for Ipswich at this stage was between $750,000 and $1 million.

Cr Nardi said Colleges Crossing was expected to cost $45,000 to repair.

It cost about $100,000 to fix last time it flooded.

Karana Downs resident Sue

To Page 5



College's Crossing starts to dry out.

Photo: File

TT:KT
H:\Admin\Reports\Ctee\10\05 May\Changes to the Disater Management Act.doc

City Works Committee	
Mtg Date: 17/05/10	OAR: Yes
Authorisation: Ross Drabble	

LATE ITEM 12

'The Chairperson has determined this matter is of real urgency and approval has been given to refer this report to the City Works Committee meeting as a late item'

12 May 2010

MEMORANDUM

TO: CHIEF OPERATING OFFICER (ENGINEERING SERVICES)

FROM: BUSINESS SUPPORT MANAGER

RE: CHANGES TO THE DISASTER MANAGEMENT ACT

INTRODUCTION:

This is a report by the Business Support Manager dated 12 May 2010 concerning the proposed changes to the Disaster Management Act.

BACKGROUND:

On the 4 May 2010, the Department of Community Safety (DCS), in conjunction with LGAQ, held a series of workshops for Queensland to discuss the outcomes of the recent Disaster Management Review.

The State Government commissioned a review of Queensland's disaster management arrangements following recent natural (Victoria Bushfires, SEQ Storms, Cyclone Larry) and man-made (Oil spill in Moreton Bay) disaster events which have occurred.

This review was undertaken by an independent consultancy which has now reported to the Government. The report on the Review made recommendations to the Government about ways to deliver better outcomes in efficiency and effectiveness of responses to communities impacted by disaster events.

The recommendations include amendments to the *Disaster Management Act 2003* (DMA), the *Public Safety Preservation Act 1986* (PSPA), policy and operational arrangements for disaster management in Queensland. These proposed legislative and operational changes will affect the local, district and state levels of the disaster management system.

The recommendations of the review (refer to Attachment A) were presented by;
Mr Gary Mahon , Assistant Director-General, DCS
Deputy Commissioner Ian Stewart, Queensland Police Service
Mr Bruce Grady, A/Chief Officer, Emergency Management Queensland
to representatives from SEQ Councils.

.../2

Legislative changes are expected to go to parliament by June 2010 and finalised by September 2010, prior to next storm season. Changes are being operationalised within the state framework in the coming months. Ipswich City Council will be asked to provide further input once these procedures and implementation papers are drafted. Interim arrangements will be put in place for the next storm season as it is expected that the changes will take up to 12 months to fully implement.

OUTLINE OF CHANGES THAT AFFECT IPSWICH CITY:

The key points of the recommendations that are considered to have a impact on Ipswich City's Disaster management activities, are;

a) Role of Emergency Management Queensland (EMQ) has been defined within the proposed Disaster Management framework. No longer focussed on response, EMQ's role will now be primarily in developing, maintaining and continually improving Queensland Disaster Management framework and effectiveness.

   Queensland Police Service will coordinate the response to the majority of disaster events (excluding events like Swine Flu), with EMQ providing a support role during response to events.

b) Lead agencies and nominated Leaders (Chairperson and Deputy Chairperson of the Local Disaster Management Group {LDMG}, and Local Disaster Coordinator[new position]) to be identified and provided appropriate training and familiarisation of their role requirements.

   Focus will be placed on ensuring that these key people are adequately knowledgeable and competent within their roles and /or have sufficient support mechanisms in place to respond to events. Training programs and exercises will be developed, as well as the establishment of KPIs and peer reviews to ensure the delivery of this recommendation.

c) Need to develop and implement a MOU between EMQ and Council. The aim is to clarify existing support and operational arrangements, including how the SES is to be activated during local or state events.

d) Greater focus to be placed on Preparation and Prevention activities of Disaster management, particularly community resilience and education. This will require greater focus by council in developing and implementing risk mitigation strategies, including incorporation of disaster management strategies in infrastructure and community planning. Federal and State funding requirements have already started to reinforce delivery of this strategy with funding going to risk reduction projects.

e) State Disaster Management Group (SDMG) membership has been revised, with LGAQ becoming a full member.

f) Creation of a new role on the LDMG - Local Disaster Coordinator, to be performed by CEO or delegated staff.

There is no longer a requirement for the LDMG to have an Executive Officer under the *Disaster Management Act*. However, consideration needs to be given to how the Coordination Centre is maintained and administration support is provided to response agencies during an event, similar to the changed role of the Executive Officer - SDMG.

g) District Disaster Coordinator to provide strategic direction to LDMG, to provide guidance in ensuring capacity and ability to respond to events, but also to ensure district response activities / requirements are met.

ATTACHMENTS:

Name of Attachment	Attachment
Attachment A Summary of proposed changes to the *Disaster Management Act*	Attachment A

RECOMMENDATION:

A. That the report be received and the contents noted.

B. That Ipswich City Council undertake a review of its Disaster Management framework, the roles and responsibilities within and its current support and operational arrangements with the local State Emergency Service.

Tony Trace
BUSINESS SUPPORT MANAGER – ENGINEERING SERVICES

I concur with the recommendation/s contained in this report.

Ross Drabble
CHIEF OPERATING OFFICER (ENGINEERING SERVICES)

Summary of proposed policy and legislative changes to the disaster management arrangements

1. Key policy changes include:

   a) where disaster events cross fixed geographical lines, **disaster district boundaries** may be redefined by the SDMG for the duration of an event where necessary to provide for flexibility of response;

   b) planning and consultation be undertaken by Emergency Management Queensland (EMQ) with all levels of the Disaster Management system to ensure that necessary risk-based disaster evacuation plans are prepared at Local, District and State levels, supported by necessary community education and preparedness programs;

   c) an examination of the feasibility (including a cost analysis) of introducing a statewide information and communications system, and the integration of all control/coordination centres involved in disaster management in Queensland;

   d) lead Agencies and nominated leaders at each level of the disaster management arrangements, for each of the four key elements of recovery be identified and provided with the appropriate training and familiarisation of their role to ensure the adequacy of planning at District and Local level throughout Queensland;

   e) lead Agencies be responsible for maintaining strong relationships with counterparts at the Federal Government level to ensure necessary Federal support for State and Local recovery initiatives after disaster events;

Legislative changes

2. Of greatest significance and legislative change, is the **increased operational role proposed for QPS (see State Disaster Coordinator, para 5a below), correlating with a role variation for Emergency Management Queensland (EMQ) during the response to a disaster event.** The QPS will coordinate the response to the event at the State level. EMQ's role will primarily be in developing, maintaining, and continually improving the State's Disaster Management (DM) framework and effectiveness, with a support role during the response to a disaster event.

3. A new position will be created for a **State Recovery Coordinator**. The creation of this role will give the Chairperson SDMG the capacity to appoint an appropriate and senior person if necessary to the circumstances to coordinate the agencies and processes to support disaster affected communities in the reconstruction of physical infrastructure and the restoration of social, economic and environmental recovery in the mid and long term. The appointment of a state recovery coordinator could, for example, be from a state government agency, industry or an eminent person.

4. Further notable changes include:

   - The development and implementation of Memoranda of Understanding between EMQ and local governments which reflects the partnership that exists in present arrangements and clarifies the management and deployment of the State Emergency Service to better describe the responsibility of the local government role in the State Emergency Service (SES) function for their respective jurisdiction, as part of their disaster response capability;

     - The purpose of this amendment is to facilitate negotiations between the state government and local governments on roles, responsibilities and support of the SES. The amendment is a clarification of existing support arrangements and is not intended to change existing arrangement councils have in place to provide support to their respective SES units. The proposed amendment to the DMA will better describe current practice.

   - extending the duration of a disaster declaration to 14 days with extensions by regulation of up to 14 days (currently disaster declarations will end in 7 days unless extended by regulation of up to 7 days);

- allowing a district disaster coordinator, or the Minister and Premier, to declare a disaster verbally with the declaration to be recorded in writing as soon as practicable;
- changing the criteria for disaster situation declarations to allow for proactive disaster declaration; and
- an amendment to allow an emergency situation declaration to be made under the *Public Safety Preservation Act 1986* where a natural hazard, such as a landslide, occurs.

5. The key operational changes include:

SDMG level

a) **A new role of a "State Disaster Coordinator"** – previously there has not been any one agency or person with the ultimate responsibility for coordinating the response to state disasters (other than specific hazards such as pandemic, biological, terrorism etc). This role will generally be performed by a Senior Commissioned Police Officer (Assistant Commissioner) appointed by the Chairperson SDMG. However, for certain situations, the Chairperson of SDMG will have authorisation to nominate another senior public official to this role, in consultation with the Commissioner QPS. This role will commence when legislation takes affect.

b) **A change of role for the Executive Officer to the SDMG.** This XO role has previously been performed by the ED EMQ, although was not specified in the DM Act. The previous functions of the XO have been assigned to either EMQ, the SDMG, or to a SDMG support role. The QPS is responsible to assign an executive officer to support the group in the performance of its functions. The functions associated with improving the DM system will be provided by EMQ generally. This role will commence when legislation takes affect.

c) EMQ will have a member role to the SDMG.

d) **New SDMG member role for the Local Government Association of Queensland** (LGAQ). The DCS and LGAQ are strengthening the DM alliance and strategic disaster management initiatives.

e) Chairperson SDMG in practice has been the Director-General, Department of the Premier and Cabinet, this will be **formalised in the DMA**.

DDMG level

f) The Chairpersons of the DDMGs in practice have been the DDCs, who are Police Officers. This will be **formalised in the DMA.**

g) The **XO to the DDMGs** will be Police Officers. This role has previously been performed by EMQ staff. The QPS has more capacity and is better resourced to fulfil this role.

h) EMQ will maintain a member role to DDMGs.

i) Local governments will continue their membership roles to DDMGs.

LDMG level

j) Chairperson of LDMG will remain as Mayor or Councillor, experienced and trained in DM.

k) Deputy Chairperson of LDMG, (Mayor or Councillor) experience and trained in DM.

l) **EMQ will maintain membership role** not coordination of response.

m) **New position: Local Disaster Coordinator**, will be performed by the CEO or delegated local government staff member.

From: Wayne Bichel
Sent: Thursday, 23 December 2010 11:15 AM
To: Tony Trace
Subject: Stores Stock - Flood Event

Hi Tony

I have asked Brian to confirm stock in the stores this morning in case of flood event.

Heaps of Barrier Mesh, Sand Bags, Batteries, Traffic Cones etc. Light of Star Pickets, we are getting a extra delivery of star pickets today.
Just in case.....

Cheers
Wayne Bichel | Strategic Supply Manager
IPSWICH CITY COUNCIL
[redacted] Ipswich Queensland 4305 Australia
T| [redacted] **F|** [redacted] **M|** [redacted]
E| [redacted]
W| www.ipswich.qld.gov.au

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Tony Trace

From: Tony Trace

Sent: Monday, 3 January 2011 6:05 PM

To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted] Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: RE: Dam Releases Update

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY, IPSWICH CITY, SCENIC RIM and SOMERSET Council Areas.

Issued at 5:54 pm Monday, 3 January 2011.

Thunderstorms are moving towards the north. They are forecast to affect Grandchester and Rosewood by 6:25 pm and Hatton Vale and Marburg by 6:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.

* Secure loose outdoor items.

* Avoid driving, walking or riding through flood waters.

* Seek shelter, preferably indoors and never under trees.

* Avoid using the telephone during a thunderstorm.

* Beware of fallen trees and powerlines.

* For emergency assistance contact the SES on 132 500.

From: Tony Trace
Sent: Sunday, 2 January 2011 10:10 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: Dam Releases Update

ainfall

The current BOM forecast for SE Qld over the next week is for light showers, although there is a chance of storms on Wednesday and Thursday next week. The catchments remain wet and are likely to generate additional runoff in the event of rain.

Wivenhoe Dam

At 09:00 on Sunday 2 January 2011, Wivenhoe Dam gates are fully closed and fish recovery has commenced. Upon completion of this operation, a regulator will be fully opened to manage continuing low inflows to the dam.

Impacts of Wivenhoe Dam Releases

It is expected that the flow in the mid Brisbane R will fall below Colleges Crossing by Monday morning, which will then allow required repairs to commence.

From: Tony Trace
Sent: Friday, 31 December 2010 10:50 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Dam Releases Update

Forecast:

There has been no significant rainfall since Wednesday 29 December 2010.

The current BOM forecast for SE Qld over the next few days is mostly fine with a few light showers, although there is a chance of storms on Tuesday and Wednesday next week.

The catchments remain wet and are likely to generate additional runoff in the event of rain.

Wivenhoe Dam

Releases were gradually increased during Wednesday and Thursday morning until the combined release and Lockyer flow reached about 1,600m3/s (140,000 ML/d) in the middle Brisbane River. Note this is similar to the flows in the releases made in mid-October and earlier in December 2010.

This release will be maintained until late Friday 31 December 2010, when the shut down procedure will commence and gates are expected to be fully closed by Sunday 2 January 2010. The proposed gate closure sequence will be such that the releases will mimic the natural pre-dam recessional flows.

At 0500 on Friday 31 December 2010, the level had fallen slightly to 68.40m AHD and was releasing about 1,550m3/s (132,000ML/d)

Impacts of Wivenhoe Dam Releases

Twin Bridges, Savages Crossing, Colleges Crossing, Burtons Bridge and Kholo Bridge are currently closed due to inundation and will remain so until at least Sunday 2 January 2011.

From: Tony Trace
Sent: Wednesday, 29 December 2010 9:10 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: RE: Sitrep # 10 Update

Catchment Update:

There has no rain been recorded across the catchments for the last twelve hours, and the forecast is only a shower or two for today & tomorrow.

The rivers/creeks continue to fall moderately and all local bridges except Stokes X-ing (+0.80mm), Kalbar Weir (1.28m) and the ones influenced by the release from Wivenhoe.Dam releases are now clear of water. Riverheart parkland should be clear later the morining.

Council staff are undertaking damage assessments on infrastructure before officially opening to normal use.

Wivenhoe Dam Release.
Lockyer Ck outflow peaked at midday Tuesday and Wivenhoe gates were commenced to be re-opened at 1500 Tuesday, releasing on the back of the Lockyer recession. It is intended to gradually increase the Wivenhoe releases during Tuesday and Wednesday so that the combined release and Lockyer flow is maintained at about 1600m3/s (140,000 ML/day) in the mid Brisbane R. Note this is similar to the flows in the mid Brisbane in mid October and mid December 2010. This will be maintained until at least Saturday when it is expected that shut down procedure will commence. Gate closure sequencing will be such that the releases will mimic the natural pre-dam flows.

Twin Bridges, Savages Crossing, Colleges Crossing, Burtons Bridge and Kholo Bridge are currently closed and will remain so until at least Sunday. There is no current expectation that either Mt Crosby Weir Bridge or Fernvale Bridge will be impacted by the current event. At this stage, it is estimated that the flow at Burtons Bridge will fall below the bridge deck on Sunday morning

Current Damage Reported:

As water levels fall, Council staff are undertaking damage assessments on infrastructure before officially opening to normal use. Current damage reported are:

- Khole Bridge pavement severly damaged on bridge deck. BCC to assess once clear of water. Will remain closed until repaired.
- College Crossing pavement severly damaged on approaches from Ipswich. DTMR to assess

once clear of water.

- Cribb Park platoon broke loose from moorings. Has been secured at the junction of the Brisbane river awaiting retrevial.
- Grey Plains Rd is practically impassable due to the loss of gravel to the approaches to the bridge. We have closed the bridge by means of signage and plan to have the necessary machinery and gravel tomorrow to reopen it.
- Damage to Road Network pavements will continue to be repaired by council crews. There are some very large sections in places and Traffic Hazard Ahead signs are being placed with necessary.
- Level 1 Bridge inspections have been undertaken by DTMR on Seven Mile Bridge, and will soon be done on 1 mile and 3 mile bridges.

Awaiting damage assessments on the remaining bridges as well as Riverheart parklands walkways. Will provide update once received.

From: Tony Trace
Sent: Tuesday, 28 December 2010 6:45 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: Sitrep # 10 Update

There has no rain of note been recorded across the catchments for the last six hours.

The rivers/creeks seem to be falling consistently across the catchments with the exception of Wivenhoe downstream to Colleges which is recording minor increases relative to the dam outflow predictions.

Catchment Update

Grandchester 0.78 m f 4.120 m Below Bridge

Kuss Road 3.3 m f 3.460 m Below Bridge

Spressers Bridge 4.17 m f 1.130 m Below Bridge

Rosewood WWTP 3.88 m f 2.420 m Below Bridge

Greys Plains Rd 0.99 m f 1.200 m Below Bridge

Adams Bridge 1.69 m f 0.000 m FALSE

Stokes Xing 1.9 m f 1.040 m Over Bridge

Rosewood 7 Mile 4.18 m f 0.520 m Below Bridge

Walloon 5 Mile 4.72 m f 0.400 m Below Bridge

3 Mile 18.75 m f 0.550 m Below Bridge

1 Mile - Old 13.8 m f 0.860 m Over Bridge

1 Mile - New 13.8 m f 3.400 m Below Bridge

Brassall 10 m f 3.800 m Below Bridge

Sydney Street 10 m f 0.450 m Below Street 0.250 m Below Bridge

Ipswich 7.4 m f 16.700 m Below Bridge

Kalbar Weir 76.33 m f 1.640 m Over Bridge

Harrisville 5.08 m f 0.420 m Below Bridge

Peak Xing 1.41 m f 3.640 m Below Bridge

Blackstone Bridge 16.59 m f 4.210 m Below Bridge

Bundamba Schoo 12.98 m f 3.350 m Below Bridge

Marburg DT 0.75 m f 2.750 m Below dam top

Rosewood DT 0.1 m f 0.000 m FALSE

Burtons Bridge 6.38 m r 13.460 m Below Bridge

Kholo Bridge 12.24 m r 0.340 m Over Bridge

Mt Crosby Weir 9.19 m r 3.210 m Below Bridge

Colleges Xing 6.76 m r 3.360 m Over Bridge

From: Tony Trace
Sent: Tuesday, 28 December 2010 9:58 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew

Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject:

Today:

No rain has been recorded across the catchment over the past 12 hours.
Ipswich gauge is still rising and should peak within the next hour or so around the previous 8.40m level. Several bridges are now clear or clearing shortly and will require inspection prior to removal of Road Closed signage etc..

Catchment Summary:

Western Ck -

- Grandchester 1.23m (F), 3.67m below bridge
- Kuss Rd 4.66m (F), 2.1m below bridge
- Spressers Br. 5.52 (F), .22m over bridge
- Rosewood WWTP 5.93m (F), .37m below bridge

Franklin vale -

- Greys Plains Rd 1.69m (F), .5m below bridge

Bremer -

- Adams Br 2.01m (F)
- Stokes Xing 2.60m (F), 1.74m above causeway
- Rosewood 5.42m (F), .72m over bridge (7 Mile)
- Walloon 7.30m (F), 2.18m over bridge (5 Mile)
- Three Mile 20.90m (S), 1.6m over bridge
- One Mile 14.90m (R), 1.96m above old bridge, 2.3m below new bridge
- Brassall 10.9m (R), 2.9m below bridge
- Sydney Street 10.9m (R), .45m over Sydney St, .65m over bridge
- Ipswich 8.15m (R)

Warrill -

- Kalbar 78.11m (F), 3.42m above weir
- Harrisville 5.54m (F), .04m above bridge
- Amberley 7.12m (S).

Purga -

- Peak Xing 1.81m (F), 3.24m below bridge
- Loamside 6.02m (F)

Bundamba -

- Ripley 50.42m (F)
- Harding 23.23m (F)

- Blackstone 17.69m (F)
- Bundamba School 13.83m (F), 2.50m below bridge
- Hanlon Street 6.05m (S)

Woogaroo -

- Upper Woogaroo .60m (S)
- Opossum 21.00m (F)

Detention Basins -

- Marburg basin .95m (F)
- Rosewood basin .15m (S)

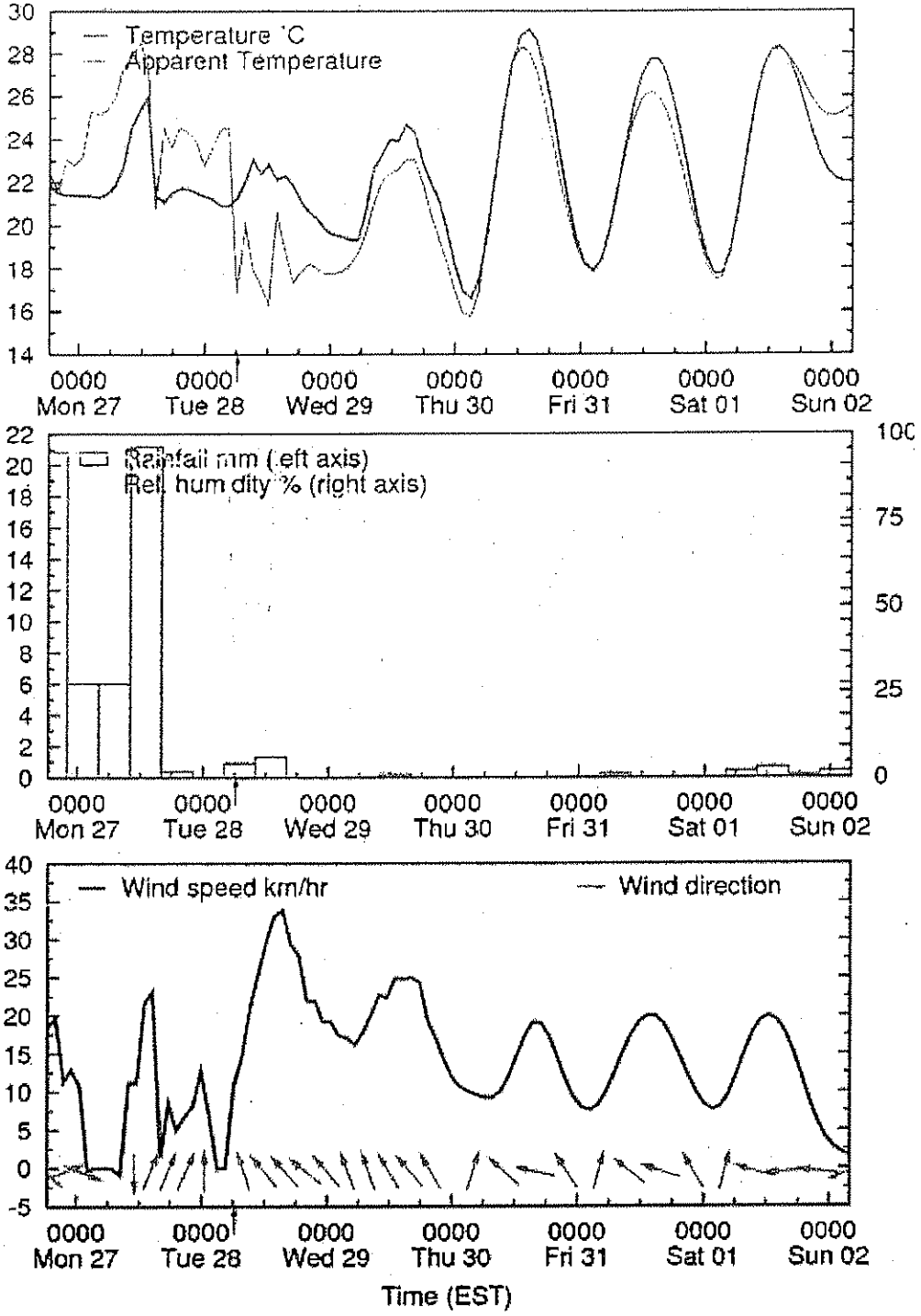
Brisbane -

- Wivenhoe TW 31.14m (R)
- Savages 7.05m (R)
- Burtons 5.72m (R)
- Kholo 11.08m (R) .82m below bridge
- Mt Crosby 8.99m (S) 3.41m below bridge
- Colleges Xing 6.31m (R) 2.75m above bridge.

Forecast for Tuesday

Mostly fine. Only a shower or two. Moderate S to SE winds. Mostly fine Max 25

Wednesday	Shower or two	Min 20	Max 26
Thursday	Fine	Min 20	Max 28
Friday	Fine	Min 20	Max 29
Saturday	Mostly fine	Min 18	Max 29
Sunday	Few showers	Min 18	Max 30
Monday	Showers	Min 20	Max 31


Temperature °C
Apparent Temperature
Rainfall mm (left axis)
Rel. humidity % (right axis)
Wind speed km/hr
Wind direction
0000 Mon 27
0000 Tue 28
0000 Wed 29
0000 Thu 30
0000 Fri 31
0000 Sat 01
0000 Sun 02
Time (EST)

Tony Trace

From: Tony Trace

Sent: Tuesday, 4 January 2011 12:00 PM

To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Karen Gosselin

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: Deployment of Ipswich Resources to assist Impacted Areas

Ipswich SES Units:

The South East District SES Units have been asked to help with the cleanup to the West of us.

10 members from the Ipswich SES unit together with 10 from the Logan unit are presently deployed in Chinchilla.
1 bus, 1 truck, 1 troop carrier and a trailer were sent along to assist our teams in the field.
This task force is call 'Taskforce Delta' and will return Thursday afternoon.

A second deployment of 7 members from our unit is set to leave Ipswich tomorrow for Condamine.
1 truck, 1 troopy and a trailer will go with this taskforce.
This taskforce is due to return on Monday.

A third taskforce will leave Ipswich over the weekend.

Further Requests for Support:

As flood waters start to recede and affected councils start looking at rebuilding their communities, it is anticpated that Ipswich City (as a unaffected community) will receive requests for assistance. Initial indications are that these requests may take the form of;
- Support for clean up activities - including personnel and equipment
- Support for vector control - including mosquito fogging, slashing and mowing
- Disaster Management support - to provide relief opportunities for key personnel
- Core business support - may include support for payroll, finance, rates and other core business areas

Once specific requests for support are received through the disaster management system, I will contacted to see if we are able to respond to specific requests.

At this time I will contact the area of council which is best suited to provide the required resources to determine whether or not we are in a position to provide requested asistance. If we are able to, then the State Disaster Coordination Centre will then match the request/offer of support and coordinate the logistics.

Tony Trace

From: Tony Trace
Sent: Tuesday, 4 January 2011 4:11 PM
To: Trevor Nardi; Ross Drabble; Tony Dileo
Subject: FW: WEATHER LATER THIS WEEK

FYI - some more heavy weather expected this week.

From: Arie Van den Ende
Sent: Tuesday, 4 January 2011 3:16 PM
To: Tony Trace
Subject: Fw: WEATHER LATER THIS WEEK

From: Eddie Bennet [redacted]
To: [redacted]
Sent: Tue Jan 04 11:47:56 2011
Subject: WEATHER LATER THIS WEEK

All,

SDCC has received preliminary notification from the BoM of a potential severe weather warning which is currently likely to be issued on Wednesday. BoM early forecast is that the South East is likely to be affected by heavy rain on Wednesday night and Thursday during the dey amounting to 50-100mls. The Sunshine Coast and Burnett region is likely to receive 100-200 mls by the end of Thursday.

This is a trend at present and requires further analysis, depending on how the situation develops. Any formel notification or warning will be issued as soon as possible and put on the BoM website at that time.

I am providing this as a preliminary indication for your information.

Predicted rainfall can be viewed at:

http://www.bom.gov.au/jsp/wall/rainfall/pme.jsp

Regards

Eddie Bennet
Regional Director
South Eastern Region
Emergency Management Queensland
State Emergency Service

[redacted]
[redacted] Eagleby 4207
[redacted]
[redacted]

This correspondence is for the named persons only. It may contain confidential or privileged information or both. No confidentiality or

All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qld

Tony Trace

From: Tony Trace

Sent: Thursday, 6 January 2011 9:27 AM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted] 'Robbie Goodger'; 'Steve Hompes'; [redacted] 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey

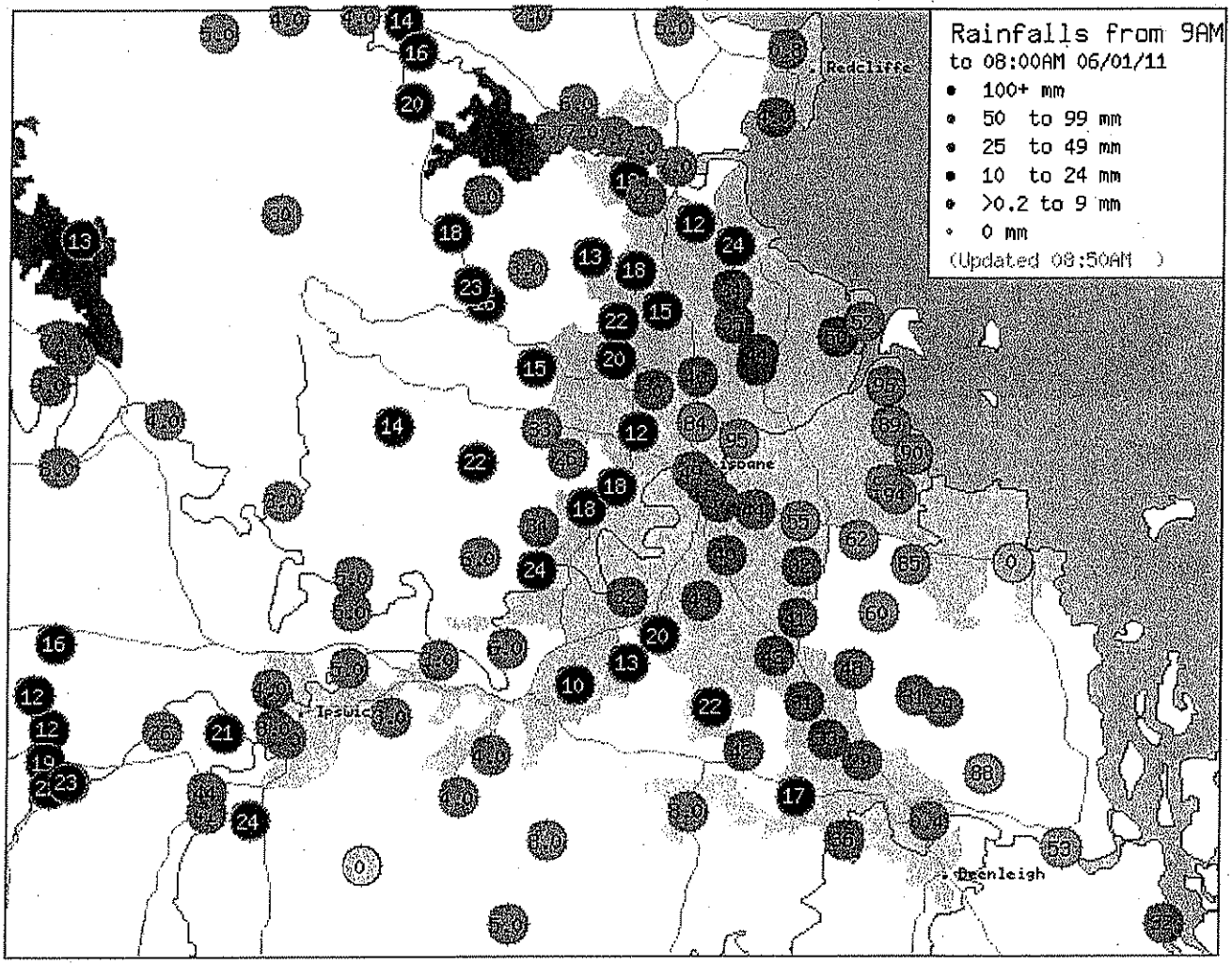
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: Catchmnet update 6th January 2011 & 8 day Forecast for SEQ

Attachments: Stream Heights 06-01-11.pdf

Overnight

From last night's storms, we have received up to 40mm of rain across the catchment in the last 24 hours. There has been very little rainfall in the last 3 hours. Attached is the current status of stream heights.



Forecast

SE Qld rainfall forecast for the next 8 days suggests that;

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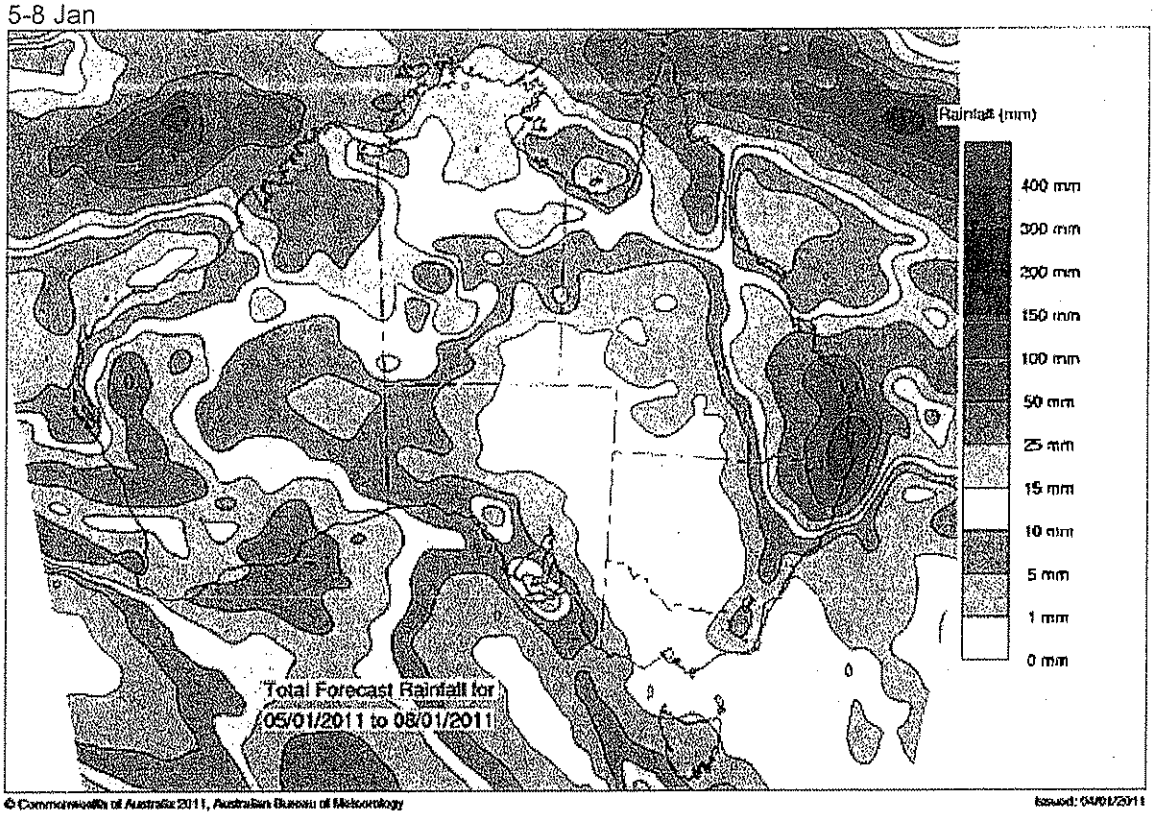
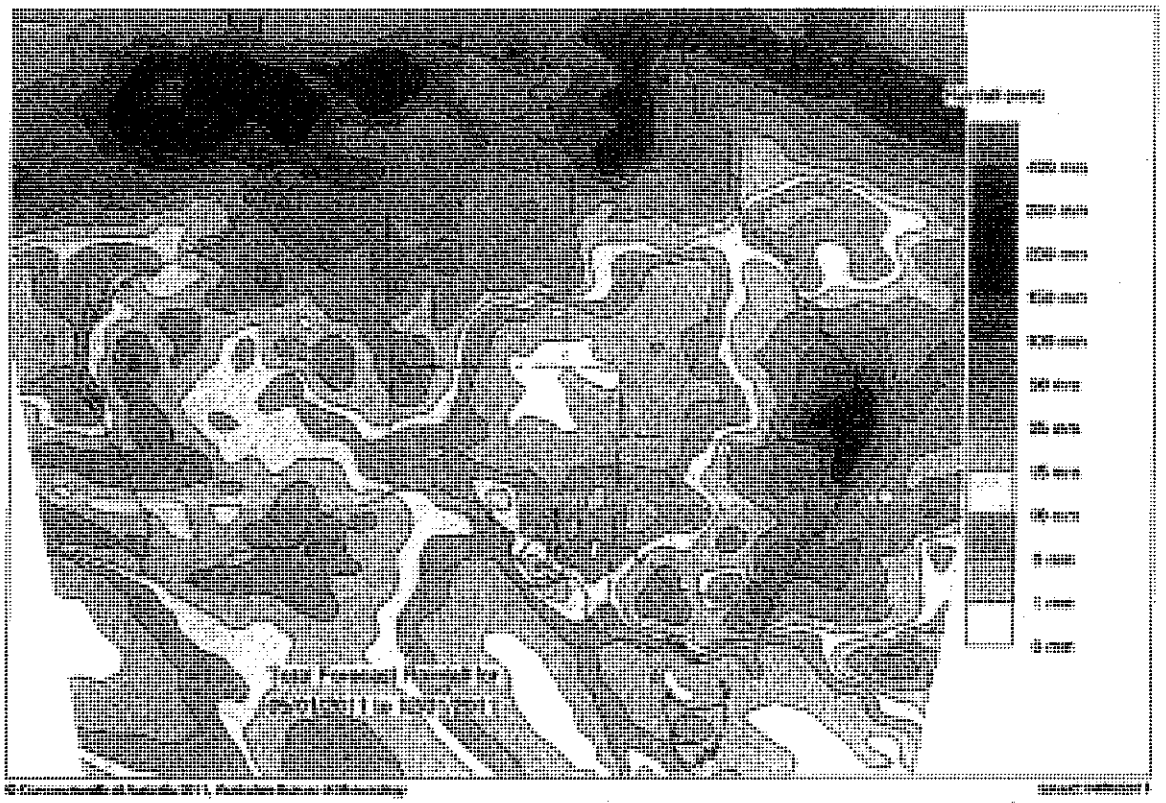
This will mean that we can expect to see further stream rises as well as localised flooding.

SEQWater is establishing their flood centre this morning, with the view of commencing releases later today. It is expected that initially the release will be in the range of 300m3/sec, which will see Colleges Crossing closed again, but will depend on future rainfalls. Update as to closure timing will be provided as information received.

5-8 Jan



5-12 Jan



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Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: Catchmnet update

Local rainfall recieved today (mainly in the western areas) has seen water levels rising in the Warrill, Bremer and Western streams. The situation will be monitored and resources have been allocated should closure of bridges be required.

Impacts of Wivenhoe Dam Releases

SEQ Water will commence opening Wivenhoe at 1800 Thursday and ramp up to about 300m3/s by 2200. This would limit mid Brisbane flows to just under 400m3/s (Burtons capacity 450m3/s), which will close Colleges Crossing sometime tomorrow morning.

If rainfall increases and Lockyer and local runoff also increase, SEQ Water will close/reduce Wivenhoe releases accordingly to ensure that that 450m3/s is not exceeded unless deemed necessary.

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Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Catchmnet update 6th January 2011 & 8 day Forecast for SEQ

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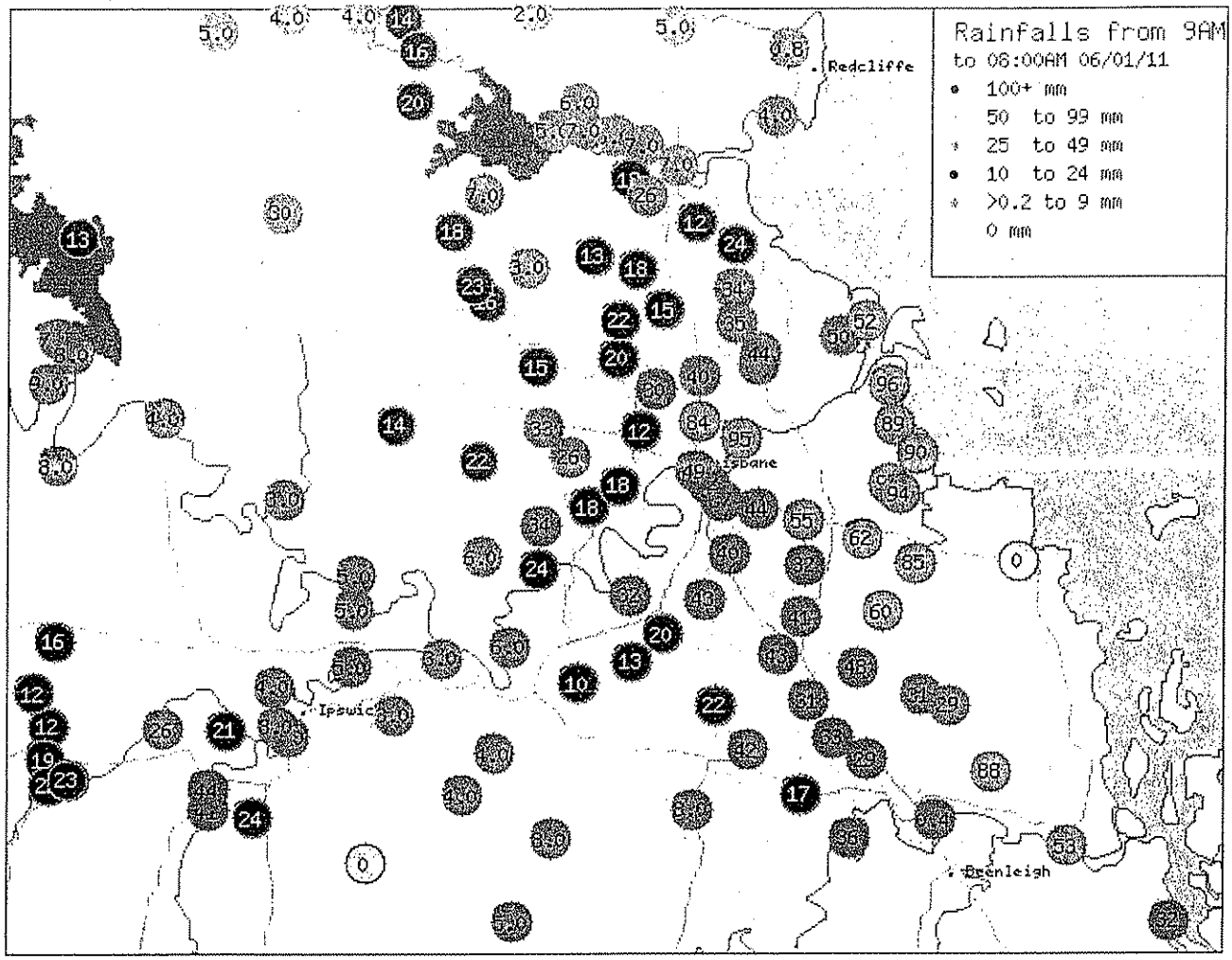

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5-8 Jan

☒

5-12 Jan

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Tony Trace

From: Tony Trace

Sent: Friday, 7 January 2011 5:22 AM

To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: Catchmnet Update:- 7th January 2011 @ 5:00am

Attachments: Stream Heights 07-01-11.pdf

Catchment Update:

Steady falls since 9am yesterday has seen a further 15-35mm fall into the catchments, on top of the falls received on Wednesday night (15-45mm). Highest falls have been recorded at Colleges (36mm) and Bundamba (34mm) since 9am yesterday.

This has lead to minor flooding in the western area of Ipswich City, particularly the Warrill and upper Bremer creeks, which has caused several bridges and roads to be closed during the night. The current view of the catchments is as follows;

Grandchester	4.9	m	**3.820**	**m**	1.08	m	f	3.820	m	Below Bridge
Kuss Road	6.76	m	**2.040**	**m**	4.72	m	f	2.040	m	Below Bridge
Spressers Bridge	5.3	m	**0.170**	**m**	5.47	m	f	0.170	m	Over Bridge
Rosewood WWTP	6.3	m	**0.370**	**m**	5.93	m	f	0.370	m	Below Bridge
Greys Plains Rd	2.19	m	**1.200**	**m**	0.99	m	f	1.200	m	Below Bridge
Adams Bridge	1.91	m	s	0.000	m					
Stokes Xing	0.86	m	**1.640**	m	2.5	m	f	1.640	m	Over Bridge
Rosewood 7 Mile	4.7	m	**0.660**	m	5.36	m	f	0.660	m	Over Bridge
										Slowing

Walloon 5 Mile	4.8	m	1.580	m	6.38	m	r	1.580	m	Over Bridge	Nearly Peaked
3 Mile	19.3	m	4.200	m	15.1	m	r	4.200	m	Below Bridge	Slowing
1 Mile - Old	12.94	m	4.540	m	8.4	m	r	4.540	m	Below Bridge	
1 Mile - New	17.2	m	8.800	m	8.4	m	r	8.800	m	Below Bridge	
Brassall	13.8	m	11.500	m	2.3	m	r	11.500	m	Below Bridge	
Sydney Street	10.45	m	8.150	m	2.3	m	r	8.150	m	Below Street	7.950	m	Below Bridge
Ipswich	24.1	m	22.550	m	1.55	m	f	22.550	m	Below Bridge	
Kalbar Weir	74.69	m	74.690	m	m	r	74.690	m	Below Bridge		
Harrisville	5.5	m	1.460	m	4.04	m	f	1.460	m	Below Bridge	
Amberley	4.44	m	r	0.000	m						
Peak Xing	5.05	m	4.290	m	0.76	m	r	4.290	m	Below Bridge	
Loamside	1.61	m	r	0.000	m						
Ripley	49.62	m	s	0.000	m						
Harding Street	20.88	m	s	0.000	m						
Blackstone Bridge	20.8	m	5.260	m	15.54	m	f	5.260	m	Below Bridge	
Bundamba School	16.33	m	4.150	m	12.18	m	s	4.150	m	Below Bridge	
Hanlon Street	1.7	m	f	0.000	m						
Marburg DT	3.5	m	2.650	m	0.85	m	s	2.650	m	Below Bridge	
Rosewood DT	0.1	m	s	0.000	m						
Upper Woogaroo	0.4	m	s	0.000	m						
O'Possum Ck	20.15	m	f	0.000	m						
Wivenhoe TW	28.3	m	r	0.000	m						
Savages Xing	4.11	m	r	0.000	m						

Burtons Bridge	19.84	m	**17.500**	**m**	2.34	m	r	17.500	m	Below Bridge
Kholo Bridge	11.9	m	**3.020**	**m**	8.88	m	s	3.020	m	Below Bridge
Mt Crosby Weir	12.4	m	**4.600**	**m**	7.8	**m**	s	4.600	m	Below Bridge
Colleges Xing	3.4	m	**0.140**	**m**	3.26	m	s	0.140	m	Below Bridge

LEGEND:	f = falling
S = steady	
r = rising	
p = peaked	

Roads that have been closed, include;

- Spressers Bridge
- Stokes Crossing
- 7 Mile Bridge
- 5 Mile Bridge
- Hiddenvale rd
- cummings rd
- hornbuckles rd
- rosewood-warrill view rd

Forecast for Friday:
Current rain areas near the coast will develop back inland over the SE region during Friday. Rain at times. Light to moderate E to SE winds.Max *26*

Saturday :- Light rain at times. Min *21* Max *26*

Sunday:- Rain, local thunder. Min *21* Max *26*

Monday:- Rain, local thunder. Min *21* Max *26*

Tuesday:- Rain, local thunder. Min *20* Max *27*
Wednesday :- Showers. Min *20* Max *28*
Thursday :- A few showers Min *20* Max *29*

Further update later this morning.

From: Tony Trace
Sent: Thursday, 6 January 2011 12:47 PM
To: [redacted]

[redacted]

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Catchmnet update

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Subject: Catchmnet update 6th January 2011 & 8 day Forecast for SEQ

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Forecast

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5-8 Jan



5-12 Jan



Tony Trace

From: Tony Trace

Sent: Monday, 10 January 2011 5:55 AM

To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: RE: Weather System update @6:00am 10th January 2011

Current Forecast

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER Issued at 5:00am on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane. - IS STILL IN AFFECT.

Synoptic Situation: At 4am EST, an upper level low was located over the southern Capricornia. A surface trough was located near the Fraser coast. Both of these systems are moving slowly west.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast district, far southern parts of the Wide Bay and Burnett District and eastern parts of the Darling Downs and Granite Belt district. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

Intense rain activity has been coming in from the East and Northeast, but has so far mostly skirted to the north of the city, there is more rain in this system potentially coming from the East which is more aligned to the catchment, effects of this are starting to be seen now.

Expectation of in excess of 200 mm of rain within the next 24 hours, in our catchment area. Heavy rain will relate to increased flows in all streams with particular concerns for smaller creeks such as Bundamba, Six Mile and Woogaroo.

As a result of the proposed increased releases from Wivenhoe , the prediction of the following level has been provided **(peak expected Tuesday 11/1/01)** :

Mt Crosby Weir: 17m
Colleges Crossing: 14.5m (Calculations for Colleges Xing based on previous relationships between Mt Crosby Weir, Colleges and Moggill indicate a approximate predicted level)
Ipswich : 8m (backflow from Brisbane River)

Ipswich Catchment Update

Over the past 2 hours we have received up to 5mm of rain in the catchment, predominently in the eastern area, with only 1-2mm in the southern part of the catchment.

Most of the streams (upper reaches of Bremer and all creeks) are falling, except for the Bremer from 3 Mile (slowing) downstream and the Brisbane River.

Current view of Catchment crossing, is as follows;

Grandchester	4.9m	**2.720m**	2.18F	2.720m	Below Bridge
Kuss Road	6.76m	**6.760m**	0X	6.760m	Below Bridge
Spressers Bridge	5.3m	**0.180m**	5.12S	0.180m	Below Bridge
Rosewood WWTP	6.3m	**0.180m**	6.48F	0.180m	Over Bridge
Greys Plains Rd	2.19m	**1.200m**	0.99S	1.200m	Below Bridge
Adams Bridge			1.85F	0.000m	
Stokes Xing	0.86m	**1.540m**	2.4F	1.540m	Over Bridge
Rosewood 7 Mile	4.7m	**0.480m**	5.18F	0.480m	Over Bridge
Walloon 5 Mile	4.8m	**1.160m**	5.96S	1.160m	Over Bridge
3 Mile	19.3m	**4.300m**	15R	4.300m	Below Bridge
1 Mile - Old	12.94m	**2.340m**	10.6R	2.340m	Below Bridge
1 Mile - New	17.2m	**6.600m**	10.6R	6.600m	Below Bridge
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Sydney Street	10.45m	**4.600m**	5.85R	4.600m	Below Street
Ipswich	24.1m	**19.200m**	4.9R	19.200m	Below Bridge
Kalbar Weir	74.69m	**0.900m**	75.59S	0.900m	Over Bridge
Harrisville	5.5m	**2.580m**	2.92F	2.580m	Below Bridge
Amberley			4.34	0.000m	
Peak Xing	5.05m	**3.690m**	1.36S	3.690m	Below Bridge
Loamside			3.27F	0.000m	
Ripley			50.37F	0.000m	
Harding Street			23.68S	0.000m	
Blackstone Bridge	20.8m	**2.810m**	17.99S	2.810m	Below Bridge
Bundamba School	16.33m	**2.450m**	13.88S	2.450m	Below Bridge
Hanlon Street			5.25R	0.000m	
Marburg DT	3.5m	**2.150m**	1.35F	2.150m	Below Bridge
Rosewood DT			0.25	0.000m	
Upper Woogaroo			0.65S	0.000m	
O'Possum Ck			21.7F	0.000m	
Wivenhoe TW			37.54R	0.000m	
Savages Xing			12.09R	0.000m	
Burtons Bridge	19.84m	**10.400m**	9.44RS	10.400m	Below Bridge
Kholo Bridge	11.9m	**5.180m**	17.08RS	5.180m	Over Bridge
Mt Crosby Weir	12.4m	**0.620m**	13.02RS	0.620m	Over Bridge
Colleges Xing	3.4m	**7.260m**	10.66R	7.260m	Over Bridge

Infrastructure Update:

Tthe following local roads have been closed due to localised flooding;

- Ivan lane Ironbark
- Schultz's Road ironbark
- Haigslea Kalabar Road
- Ebenezer Road

- Rosewood Warrill view Road, Rosewood
- Rosewood Laidley rd Grandchester
- Strongs bridge closed
- 5 Mile Bridge

The following Bridges have been closed on the Brisbane River, due to Wivenhoe Dam Release and flows from Lockyer Catchment.

- Brisbane Valley Highway
- Kholo Bridge
- Mt Crosby Weir
- Colleges Crossing

Community Update:

Due to the continuing rising water levels at Colleges Crossing due to the significant rainfalls in the Lockyer catchment, it has been decided to assist the residents of the Caretaker's House at Colleges in voluntary evacuation of this residence. Initial view is that they will be going to friends.

Wivenhoe Releases:

Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe this morning. Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 7,500m3/s and, at this stage, the dam will reach at least 73.0 m AHD during Tuesday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows is the lower Brisbane will be limited to 4,000m3/s. This is below the limit of urban damages in the City reaches.

The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day). Gate opening will start to be increased from noon today and the release is expected increase to at least 2,600m3/s during Tuesday morning.

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam.

Operations Update:

- At the present time, the Ipswich City Local Disaster Management Group remains at Lean Forward - Level 1 and will meet early this morning.
- Local Disaster Co-ordination centre is operational.
- Road Crews are closing crossings and roads as required to ensure the safety of the public.
- We will continue to monitor the event, and will provide updated information as it becomes known.

Tony Trace

From: Tony Trace

Sent: Friday, 7 January 2011 5:52 AM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace

Subject: Severe Weather Warning for Southeast Coast

TOP PRIORITY FOR IMMEDIATE BROADCAST - For people in the Southeast Coast and eastern parts of the Wide Bay and Burnett districts.

SEVERE WEATHER WARNING for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation Issued at 5:25 am on Friday 7 January 2011

Synoptic Situation: At 0420am EST, an upper level low occurs over the Capricorn region at present and will contribute to further rain areas over southeastern region today.

Some heavy falls may occur about the eastern Burnett, Wide Bay and northern parts of the Sunshine coast later today with the potential for flash flooding and this may contribute to existing flooding situation.

From: Tony Trace
Sent: Friday, 7 January 2011 5:22 AM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Catchmnet Update:- 7th January 2011 @ 5:00am

Catchment Update:

Steady falls since 9am yesterday has seen a further 15-35mm fall into the catchments, on top of the falls received on Wednesday night (15-45mm). Highest falls have been recorded at Colleges (36mm) and Bundamba (34mm) since 9am yesterday.

This has lead to minor flooding in the western area of Ipswich City, particularly the Warrill and upper Bremer creeks, which has caused several bridges and roads to be closed during the night. The current view of the catchments is as follows;

Grandchester	4.9	m	**3.820**	m	1.08	m	f	3.820	m	Below Bridge
Kuss Road	6.76	m	**2.040**	m	4.72	m	f	2.040	m	Below Bridge
Spressers Bridge	5.3	m	**0.170**	m	5.47	m	f	0.170	m	Over Bridge
Rosewood WWTP	6.3	m	**0.370**	m	5.93	m	f	0.370	m	Below Bridge
Greys Plains Rd	2.19	m	**1.200**	m	0.99	m	f	1.200	m	Below Bridge
Adams Bridge	1.91	m	s	0.000	m					
Stokes Xing	0.86	m	**1.640**	m	2.5	m	f	1.640	m	Over Bridge	
Rosewood 7 Mile	4.7	m	**0.660**	m	5.36	m	f	0.660	m	Over Bridge
Walloon 5 Mile	4.8	m	**1.580**	m	6.38	m	r	1.580	m	Over Bridge	Slowing Nearly Peaked
3 Mile	19.3	m	**4.200**	m	15.1	m	r	4.200	m	Below Bridge	Slowing
1 Mile - Old	12.94	m	**4.540**	m	8.4	m	r	4.540	m	Below Bridge
1 Mile - New	17.2	m	**8.800**	m	8.4	m	r	8.800	m	Below Bridge
Brassall	**13.8**	m	**11.500**	m	2.3	m	r	11.500	m	Below Bridge
Sydney Street	10.45	m	**8.150**	m	2.3	m	r	8.150	m	Below Street	7.950	m	Below Bridge
Ipswich	24.1	m	**22.550**	m	1.55	m	f	22.550	m	Below Bridge
Kalbar Weir	74.69	m	**74.690**	m	m	r	74.690	m	Below Bridge	
Harrisville	5.5	m	**1.460**	m	4.04	m	f	1.460	m	Below Bridge

Amberley		4.44	m		r		0.000	m		
Peak Xing	5.05	m	**4.290**	m	0.76	m	r	4.290	m	Below Bridge
Loamside		1.61	m		r		0.000	m		
Ripley		49.62	m		s		0.000	m		
Harding Street		20.88	m		s		0.000	m		
Blackstone Bridge	20.8	m	**5.260**	**m**	15.54	m	f	5.260	m	Below Bridge
Bundamba School	16.33	m	**4.150**	**m**	12.18	m	s	4.150	m	Below Bridge
Hanlon Street		1.7	m		f		0.000	m		
Marburg DT	3.5	m	**2.650**	**m**	0.85	m	s	2.650	m	Below Bridge
Rosewood DT		0.1	m		s		0.000	m		
Upper Woogaroo		0.4	m		s		0.000	m		
O'Possum Ck		20.15	m		f		0.000	m		
Wivenhoe TW		28.3	m		r		0.000	m		
Savages Xing		4.11	m		r		0.000	m		
Burtons Bridge	19.84	m	**17.500**	**m**	2.34	m	r	17.500	m	Below Bridge
Kholo Bridge	11.9	m	**3.020**	**m**	8.88	m	s	3.020	m	Below Bridge
Mt Crosby Weir	12.4	m	**4.600**	**m**	7.8	m	s	4.600	m	Below Bridge
Colleges Xing	3.4	m	**0.140**	**m**	3.26	m	s	0.140	m	Below Bridge
LEGEND:							f = falling			
S = steady										
r = rising										
p = peaked										

Roads that have been closed, include;

- Spressers Bridge
- Stokes Crossing
- 7 Mile Bridge
- 5 Mile Bridge

- Hiddenvale rd
- cummings rd
- hornbuckles rd
- rosewood-warrill view rd

Forecast for Friday:
Current rain areas near the coast will develop back inland over the SE region during Friday. Rain at times. Light to moderate E to SE winds.Max *26*

Saturday :- Light rain at times. Min *21* Max *26*

Sunday:- Rain, local thunder. Min *21* Max *26*

Monday:- Rain, local thunder. Min *21* Max *26*

Tuesday:- Rain, local thunder. Min *20* Max *27*
Wednesday :- Showers. Min *20* Max *28*
Thursday :- A few showers Min *20* Max *29*

Further update later this morning.

From: Tony Trace
Sent: Thursday, 6 January 2011 12:47 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Catchmnet update

Local rainfall recieved today (mainly in the western areas) has seen water levels rising in the Warrill, Bremer and Western streams. The situation will be monitored and resources have been allocated should closure of bridges be required.

Impacts of Wivenhoe Dam Releases

SEQ Water will commence opening Wivenhoe at 1800 Thursday and ramp up to about 300m3/s by 2200. This would limit mid Brisbane flows to just under 400m3/s (Burtons capacity 450m3/s), which will close Colleges Crossing sometime tomorrow morning.

If rainfall increases and Lockyer and local runoff also increase, SEQ Water will close/reduce Wivenhoe releases accordingly to ensure that that 450m3/s is not exceeded unless deemed necessary.

From: Tony Trace
Sent: Thursday, 6 January 2011 9:27 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly';

[redacted] 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Catchmnet update 6th January 2011 & 8 day Forecast for SEQ

Overnight

From last night's storms, we have received up to 40mm of rain across the catchment in the last 24 hours. There has been very little rainfall in the last 3 hours. Attached is the current status of stream heights.

Forecast

SE Qld rainfall forecast for the next 8 days suggests that;

- including the rains received last night, we can expect falls in the region of 100-150mm before the end of this week, and
- SE corner will recieve similar amounts over the next week as well.

This will mean that we can expect to see further stream rises as well as localised flooding.

SEQWater is establishing their flood centre this morning, with the view of commencing releases later today. It is expected that initially the release will be in the range of 300m3/sec, which will see Colleges Crossing closed again, but will depend on future rainfalls. Update as to closure timing will be provided as information received.

5-8 Jan

5-12 Jan

Tony Trace

From: Tony Trace

Sent: Friday, 7 January 2011 10:48 AM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace

Subject: RE: Severe Weather Warning for Southeast Coast

Catchment Update:

So far today we have received 10mm across Ipswich City from Rosewood to Greenbank, with nothing falling in the upper catchments. While we have seen most of the stream activity expected and have strated to see levels fall in the upper reaches, with peaks nearly reached at 3 Mile and 1 Mile below minor flood levels, we may see some further small rises as localised run-off enters the streams. Further rainfall is expected as the weather system continues to move inland.

The following **road closures are still in place** at the moment. The relevant road signage has been put in place to advise the travelling public. Inspections are being undertaken throughout the network to determine the status

Strong's Road	Lanefield	(Strong's Bridge)	
Hlddenvale Road	Hiddenvale	(Cummins Bridge & Floodway)	**OPEN**
Ipswich Rosewood Road	Rosewood	(7 Mile Bridge)	**OPEN**
Rosewood Warrill View	Rosewood	(Spressers Bridge & Floodway's)	**OPEN**
Haigslea Amberley Road	Amberley	(5 Mile Bridge)	
Albert Street	Goodna		
Sydney Street	Brassall		**Open**

Also, Colleges Crossing was closed @ 8:30am (Note: given the rainfall in the lockyer and upper Brisbane catchment as well as the level of predicted rainfall, it can be expected that the crossing and park will remain closed until late next week as releases from Wivenhoe Dam are increased back to previous levels around the 1500m3/sec.)

Maintenance Crews are attending to severe potholes, focusing on the City's strategic road network.

Forecast:

Further to the forecast provided this morning, please find attached further forecast data below - of particular importance is the predicted levels of rainfall expected over Sunday (approx 100mm) and further falls of 50mm daily on Monday and Tuesday. Given the current saturation of the catchments, this level of rainfall will see a high liklihood of increased occurance of flooding.

LDMG Status:

Given the forecasted rainfall, the Deputy Chairperson has requested that the LDMG level of activation will be moved from "alert" to *LEAN FORWARD ONE*.

As such, member agencies are requested to review their level of readiness, including recourcing levels and availability.

LDMG members are notified that they should be prepared for the possibility of being required to attend full brieging meeting on Sunday or Monday, depending on how this weather system develops.

Tony Trace

From: Tony Trace

Sent: Saturday, 8 January 2011 12:01 PM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted] Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Subject: Severe Weather Warning

SEVERE WEATHER WARNING has been issued by BOM for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Synoptic Situation: At 12pm EST, a low level trough was located off the southern coast and is expected to affect coastal areas this afternoon and move further inland overnight.

As such, rain areas are expected to return to the Southeast Coast and Wide Bay and Burnett districts from this afternoon, and increase to moderate to heavy falls at times tonight and Sunday. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

From: Tony Trace
Sent: Saturday, 8 January 2011 9:00 AM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Catchment Update 8th January 2011

Catchment Update:

Only 1-2mm of rain was received across Ipswich City's catchments overnight, though the continued runoff from earlier rains during yesterday led to expected small rises in most streams, all below minor flood level. All streams are currently conitnuing to fall, with exception to the Bremer still rising at One Mile as waters from the warrill and upper bremer continue to move thru the stream.

Wivenhoe Update

At 0600 Saturday, Wivenhoe Dam was 68.45 m AHD and rising steadily with all five gates open and releasing about 890 m3/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam It is intended to ramp up the release from Wivenhoe to 1,200m3/s by midday Saturday 08/01/2011. Further assessments will be undertaken to determine increases

above this level. However, given the high likelihood of significant inflows in the next week, this may be increased.

Infrastructure Update:

All Roads are now open, with the exeception of Colleges Crossing and Kholo Bridge (closed at 7:45am today).

The projected Wivenhoe release of 1,200m3/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected but they could potentially be affected if the predicted rainfall totals eventuate.

Forecast for Saturday

A morning shower or two increasing to rain periods with possible thunder during the afternoon. Moderate SE to NE winds.

Sunday	Rain periods, possible thunder.	Min 21	Max 26
Monday	Rain periods, possible thunder.	Min 21	Max 26
Tuesday	Rain periods, possible thunder.	Min 21	Max 26
Wednesday	Shower or two.	Min 22	Max 27
Thursday	Shower or two.	Min 22	Max 28
Friday	Shower or two.	Min 21	Max 28

Weather Outlook:

As it can be seen, the advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday: Rain light at times 5-50mm with higher falls along the coast

Sunday: Widespread rain with totals between 50-100mm

Monday: Widespread rain again with totals between 50-100mm

Tuesday: Rain easing with totals between 25-50mm

From: Tony Trace
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Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: RE: Severe Weather Warning for Southeast Coast

Catchment Update:

So far today we have received 10mm across Ipswich City from Rosewood to Greenbank, with nothing falling in the upper catchments. While we have seen most of the stream activity expected and have strated to see levels fall in the upper reaches, with peaks nearly reached at 3 Mile and 1 Mile below minor flood levels, we may see some further small rises as localised run-off enters the streams. Further rainfall is expected as the weather system continues to move inland.

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Maintenance Crews are attending to severe potholes, focusing on the City's strategic road network.

Forecast:

Further to the forecast provided this morning, please find attached further forecast data below - of particular importance is the predicted levels of rainfall expected over Sunday (approx 100mm) and further falls of 50mm daily on Monday and Tuesday. Given the current saturation of the catchments, this level of rainfall will see a high liklihood of increased occurance of flooding.

LDMG Status:

Given the forecasted rainfall, the Deputy Chairperson has requested that the LDMG level of

activation will be moved from "alert" to *LEAN FORWARD ONE*.

As such, member agencies are requested to review their level of readiness, including recourcing levels and availability.

LDMG members are notified that they should be prepared for the possibility of being required to attend full brieging meeting on Sunday or Monday, depending on how this weather system develops.

Tony Trace

From: Tony Trace

Sent: Sunday, 9 January 2011 2:28 PM

To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted] Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted] Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted] Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Subject: RE: Severe Weather Warning

SEVERE WEATHER WARNING is still in place, for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett, and eastern Darling Downs and Granite Belt District.

Synoptic Situation: At 10am EST, an upper level low was located offshore of the Capricorn coast. A surface trough was located offshore of the southern Queensland coast. Both of these systems are expected to move closer to the coast today.

Rain areas and thunderstorms are expected to increase further through the Southeast Coast district and southern parts of the Wide Bay and Burnett district today. The heavy rain areas are expected to move into the eastern parts of the Darling Downs and Granite Belt District overnight. Some heavy falls are likely which may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: Rainfall over 100mm was recorded in the last 24 hours about parts of the Sunshine Coast and Hinterland.

Catchment Update:

In the 5 hours since 9am this morning, we have seen falls of around 20-30mm across the Ipswich catchment.

This has resulted in some minor rises to streams. The situation will continue to be monitored.

Forecast for Ipswich:

Sunday - Rain periods, heavy at times, with possible thunder. Moderate E to SE winds. Max 26

Monday - Rain periods, possible thunder. Min 21 Max 25
Tuesday - Rain periods, possible thunder. Min 21 Max 26
Wednesday - A few showers. Min 21 Max 27
Thursday - A shower or two. Min 20 Max 28
Friday - A shower or two. Min 19 Max 28
Saturday - Mostly fine, possible shower. Min 18 Max 30

From: Tony Trace
Sent: Saturday, 8 January 2011 12:01 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
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further inflow to the dam It is intended to ramp up the release from Wivenhoe to 1,200m3/s by midday Saturday 08/01/2011. Further assessments will be undertaken to determine increases above this level. However, given the high likelihood of significant inflows in the next week, this may be increased.

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Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: RE: Severe Weather Warning for Southeast Coast

Catchment Update:

So far today we have received 10mm across Ipswich City from Rosewood to Greenbank, with nothing falling in the upper catchments. While we have seen most of the stream activity expected and have strated to see levels fall in the upper reaches, with peaks nearly reached at 3 Mile and 1 Mile below minor flood levels, we may see some further small rises as localised run-off enters the streams. Further rainfall is expected as the weather system continues to move inland.

The following **road closures are still in place** at the moment. The relevant road signage has been put in place to advise the travelling public. Inspections are being undertaken throughout the network to determine the status

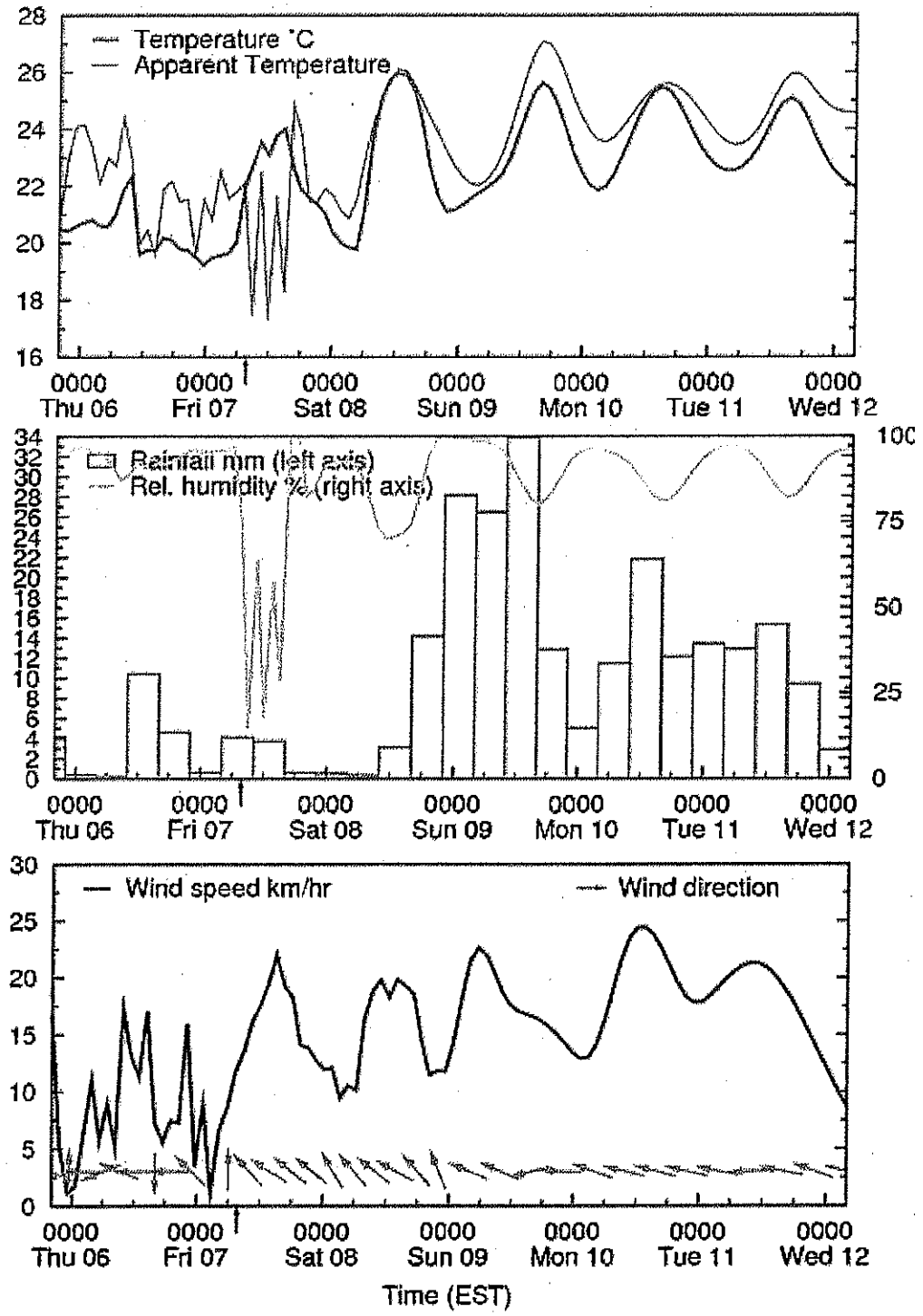
Strong's Road	Lanefield	(Strong's Bridge)	
Hiddenvale Road	Hiddenvale	(Cummins Bridge & Floodway)	**OPEN**
Ipswich Rosewood Road	Rosewood	(7 Mile Bridge)	**OPEN**
Rosewood Warrill View	Rosewood	(Spressers Bridge & Floodway's)	**OPEN**
Haigslea Amberley Road	Amberley	(5 Mile Bridge)	
Albert Street	Goodna		
Sydney Street	Brassall		**Open**

Also, Colleges Crossing was closed @ 8:30am (Note: given the rainfall in the lockyer and upper Brisbane catchment as well as the level of predicted rainfall, it can be expected that the crossing and park will remain closed until late next week as releases from Wivenhoe Dam are increased back to previous levels around the 1500m3/sec.)

Maintenance Crews are attending to severe potholes, focusing on the City's strategic road network.

Forecast:

Further to the forecast provided this morning, please find attached further forecast data below - of particular importance is the predicted levels of rainfall expected over Sunday (approx 100mm) and further falls of 50mm daily on Monday and Tuesday. Given the current saturation of the catchments, this level of rainfall will see a high liklihood of increased occurance of flooding.



LDMG Status:

Given the forecasted rainfall, the Deputy Chairperson has requested that the LDMG level of activation will be moved from "alert" to *LEAN FORWARD ONE*.

As such, member agencies are requested to review their level of readiness, including recourcing levels and availability.

LDMG members are notified that they should be prepared for the possibility of being required to attend full brieging meeting on Sunday or Monday, depending on how this weather system develops.

Tony Trace

From: Tony Trace

Sent: Monday, 3 January 2011 6:11 PM

To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted] Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted] Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: RE: Dam Releases Update

Note: Colleges Crossing will open tonight at 7pm after repairs are completed.

From: Tony Trace
Sent: Monday, 3 January 2011 6:05 PM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: RE: Dam Releases Update

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY, IPSWICH CITY, SCENIC RIM and SOMERSET Council Areas.

Issued at 5:54 pm Monday, 3 January 2011.

Thunderstorms are moving towards the north. They are forecast to affect Grandchester and Rosewood by 6:25 pm and Hatton Vale and Marburg by 6:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.

* Secure loose outdoor items.

* Avoid driving, walking or riding through flood waters.

* Seek shelter, preferably indoors and never under trees.

* Avoid using the telephone during a thunderstorm.

* Beware of fallen trees and powerlines.

* For emergency assistance contact the SES on 132 500.

From: Tony Trace
Sent: Sunday, 2 January 2011 10:10 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted] Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: Dam Releases Update

ainfall

The current BOM forecast for SE Qld over the next week is for light showers, although there is a chance of storms on Wednesday and Thursday next week. The catchments remain wet and are likely to generate additional runoff in the event of rain.

Wivenhoe Dam

At 09:00 on Sunday 2 January 2011, Wivenhoe Dam gates are fully closed and fish recovery has commenced. Upon completion of this operation, a regulator will be fully opened to manage continuing low inflows to the dam.

Impacts of Wivenhoe Dam Releases

It is expected that the flow in the mid Brisbane R will fall below Colleges Crossing by Monday morning, which will then allow required repairs to commence.

From: Tony Trace
Sent: Friday, 31 December 2010 10:50 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted] 'Robbie Goodger'; 'Steve Hompes'; [redacted] 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Dam Releases Update

Forecast:

There has been no significant rainfall since Wednesday 29 December 2010.

The current BOM forecast for SE Qld over the next few days is mostly fine with a few light showers, although there is a chance of storms on Tuesday and Wednesday next week.

The catchments remain wet and are likely to generate additional runoff in the event of rain.

Wivenhoe Dam

Releases were gradually increased during Wednesday and Thursday morning until the combined release and Lockyer flow reached about 1,600m3/s (140,000 ML/d) in the middle Brisbane River. Note this is similar to the flows in the releases made in mid-October and earlier in December 2010.

This release will be maintained until late Friday 31 December 2010, when the shut down procedure will commence and gates are expected to be fully closed by Sunday 2 January 2010. The proposed gate closure sequence will be such that the releases will mimic the natural pre-dam recessional flows.

At 0500 on Friday 31 December 2010, the level had fallen slightly to 68.40m AHD and was releasing about 1,550m3/s (132,000ML/d)

Impacts of Wivenhoe Dam Releases

Twin Bridges, Savages Crossing, Colleges Crossing, Burtons Bridge and Kholo Bridge are currently closed due to inundation and will remain so until at least Sunday 2 January 2011.

From: Tony Trace
Sent: Wednesday, 29 December 2010 9:10 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted] 'Robbie Goodger'; 'Steve Hompes'; [redacted] 'Annabelle Johnstone'; [redacted] Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted] Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted] Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: RE: Sitrep # 10 Update

Catchment Update:

There has no rain been recorded across the catchments for the last twelve hours, and the forecast is only a shower or two for today & tomorrow.

The rivers/creeks continue to fall moderately and all local bridges except Stokes X-ing (+0.80mm), Kalbar Weir (1.28m) and the ones influenced by the release from Wivenhoe.Dam releases are now clear of water. Riverheart parkland should be clear later the morining.

Council staff are undertaking damage assessments on infrastructure before officially opening to normal use.

Wivenhoe Dam Release.
Lockyer Ck outflow peaked at midday Tuesday and Wivenhoe gates were commenced to be re-opened at 1500 Tuesday, releasing on the back of the Lockyer recession. It is intended to gradually increase the Wivenhoe releases during Tuesday and Wednesday so that the combined release and Lockyer flow is maintained at about 1600m3/s (140,000 ML/day) in the mid Brisbane R. Note this is similar to the flows in the mid Brisbane in mid October and mid December 2010. This will be maintained until at least Saturday when it is expected that shut down procedure will commence. Gate closure sequencing will be such that the releases will mimic the natural pre-dam flows.

Twin Bridges, Savages Crossing, Colleges Crossing, Burtons Bridge and Kholo Bridge are currently closed and will remain so until at least Sunday. There is no current expectation that either Mt Crosby Weir Bridge or Fernvale Bridge will be impacted by the current event. At this stage, it is estimated that the flow at Burtons Bridge will fall below the bridge deck on Sunday morning

Current Damage Reported:

As water levels fall, Council staff are undertaking damage assessments on infrastructure before officially opening to normal use. Current damage reported are:

- Khole Bridge pavement severly damaged on bridge deck. BCC to assess once clear of water. Will remain closed until repaired.
- College Crossing pavement severly damaged on approaches from Ipswich. DTMR to assess once clear of water.
- Cribb Park platoon broke loose from moorings. Has been secured at the junction of the Brisbane river awaiting retrevial.
- Grey Plains Rd is practically impassable due to the loss of gravel to the approaches to the bridge. We have closed the bridge by means of signage and plan to have the necessary machinery and gravel tomorrow to reopen it.
- Damage to Road Network pavements will continue to be repaired by council crews. There are some very large sections in places and Traffic Hazard Ahead signs are being placed with necessary.
- Level 1 Bridge inspections have been undertaken by DTMR on Seven Mile Bridge, and will soon be done on 1 mile and 3 mile bridges.

Awaiting damage assessments on the remaining bridges as well as Riverheart parklands walkways. Will provide update once received.

From: Tony Trace
Sent: Tuesday, 28 December 2010 6:45 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted] Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: Sitrep # 10 Update

There has no rain of note been recorded across the catchments for the last six hours.

The rivers/creeks seem to be falling consistently across the catchments with the exception of Wivenhoe downstream to Colleges which is recording minor increases relative to the dam outflow predictions.

Catchment Update

Grandchester 0.78 m f 4.120 m Below Bridge

Kuss Road 3.3 m f 3.460 m Below Bridge

Spressers Bridge 4.17 m f 1.130 m Below Bridge

Rosewood WWTP 3.88 m f 2.420 m Below Bridge

Greys Plains Rd 0.99 m f 1.200 m Below Bridge

Adams Bridge 1.69 m f 0.000 m FALSE

Stokes Xing 1.9 m f 1.040 m Over Bridge

Rosewood 7 Mile 4.18 m f 0.520 m Below Bridge

Walloon 5 Mile 4.72 m f 0.400 m Below Bridge

3 Mile 18.75 m f 0.550 m Below Bridge

1 Mile - Old 13.8 m f 0.860 m Over Bridge

1 Mile - New 13.8 m f 3.400 m Below Bridge

Brassall 10 m f 3.800 m Below Bridge

Sydney Street 10 m f 0.450 m Below Street 0.250 m Below Bridge

Ipswich 7.4 m f 16.700 m Below Bridge

Kalbar Weir 76.33 m f 1.640 m Over Bridge

Harrisville 5.08 m f 0.420 m Below Bridge

Peak Xing 1.41 m f 3.640 m Below Bridge

Blackstone Bridge 16.59 m f 4.210 m Below Bridge

Bundamba Schoo 12.98 m f 3.350 m Below Bridge

Marburg DT 0.75 m f 2.750 m Below dam top

Rosewood DT 0.1 m f 0.000 m FALSE

Burtons Bridge 6.38 m r 13.460 m Below Bridge

Kholo Bridge 12.24 m r 0.340 m Over Bridge

Mt Crosby Weir 9.19 m r 3.210 m Below Bridge

Colleges Xing 6.76 m r 3.360 m Over Bridge

From: Tony Trace
Sent: Tuesday, 28 December 2010 9:58 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject:

Today:

No rain has been recorded across the catchment over the past 12 hours.
Ipswich gauge is still rising and should peak within the next hour or so around the previous 8.40m level. Several bridges are now clear or clearing shortly and will require inspection prior to removal of Road Closed signage etc..

Catchment Summary:

Western Ck -

- Grandchester 1.23m (F), 3.67m below bridge
- Kuss Rd 4.66m (F), 2.1m below bridge
- Spressers Br. 5.52 (F), .22m over bridge
- Rosewood WWTP 5.93m (F), .37m below bridge

Franklin vale -

- Greys Plains Rd 1.69m (F), .5m below bridge

Bremer -

- Adams Br 2.01m (F)
- Stokes Xing 2.60m (F), 1.74m above causeway
- Rosewood 5.42m (F), .72m over bridge (7 Mile)
- Walloon 7.30m (F), 2.18m over bridge (5 Mile)
- Three Mile 20.90m (S), 1.6m over bridge
- One Mile 14.90m (R), 1.96m above old bridge, 2.3m below new bridge
- Brassall 10.9m (R), 2.9m below bridge
- Sydney Street 10.9m (R), .45m over Sydney St, .65m over bridge
- Ipswich 8.15m (R)

Warrill -

- Kalbar 78.11m (F), 3.42m above weir
- Harrisville 5.54m (F), .04m above bridge
- Amberley 7.12m (S).

Purga -

- Peak Xing 1.81m (F), 3.24m below bridge
- Loamside 6.02m (F)

Bundamba -

- Ripley 50.42m (F)
- Harding 23.23m (F)
- Blackstone 17.69m (F)
- Bundamba School 13.83m (F), 2.50m below bridge
- Hanlon Street 6.05m (S)

Woogaroo -

- Upper Woogaroo .60m (S)
- Opossum 21.00m (F)

Detention Basins -

- Marburg basin .95m (F)
- Rosewood basin .15m (S)

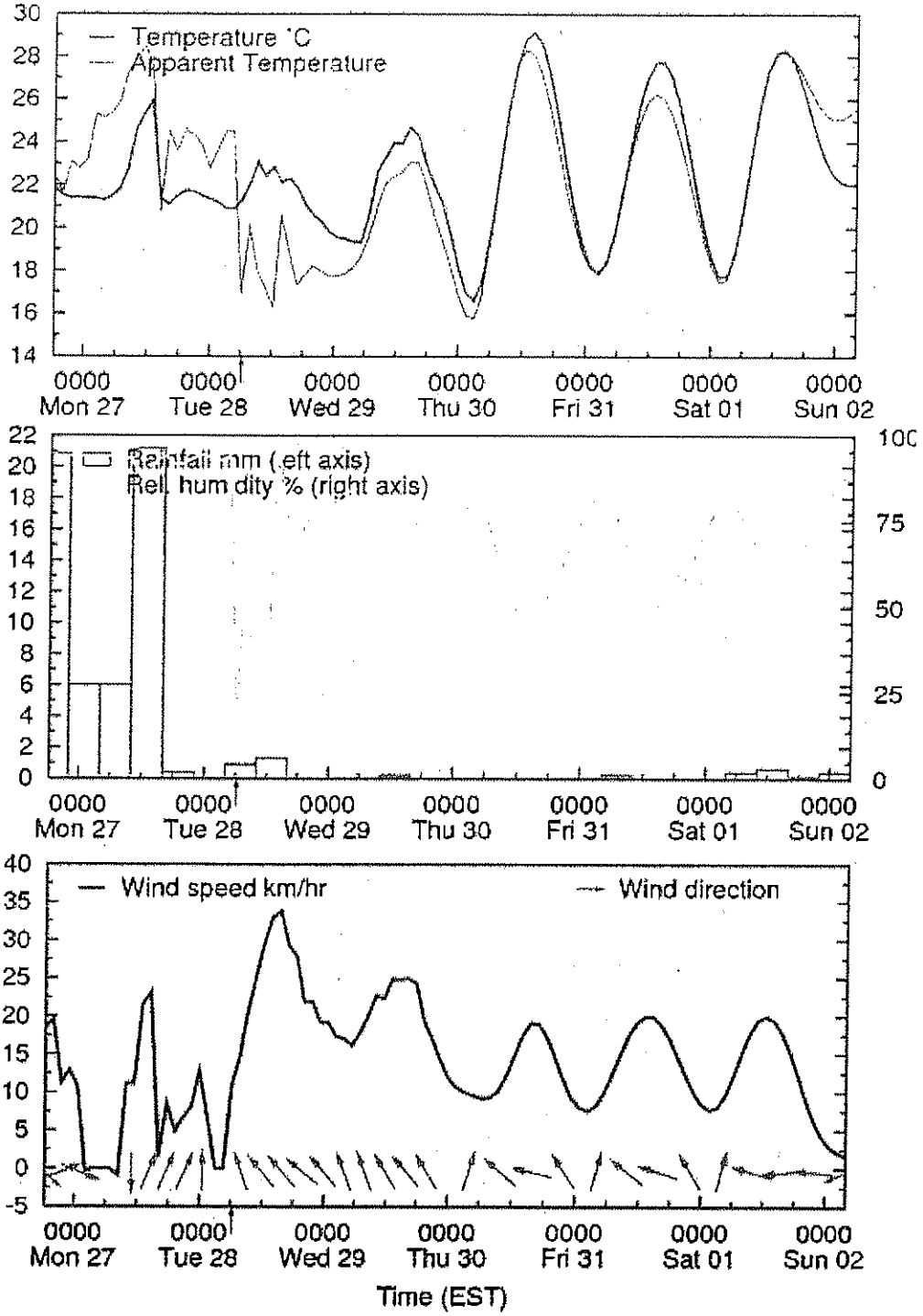
Brisbane -

- Wivenhoe TW 31.14m (R)
- Savages 7.05m (R)
- Burtons 5.72m (R)
- Kholo 11.08m (R) .82m below bridge
- Mt Crosby 8.99m (S) 3.41m below bridge
- Colleges Xing 6.31m (R) 2.75m above bridge.

Forecast for Tuesday

Mostly fine. Only a shower or two. Moderate S to SE winds. Mostly fine Max 25

Wednesday	Shower or two	Min 20	Max 26
Thursday	Fine	Min 20	Max 28
Friday	Fine	Min 20	Max 29
Saturday	Mostly fine	Min 18	Max 29
Sunday	Few showers	Min 18	Max 30
Monday	Showers	Min 20	Max 31


Temperature °C
Apparent Temperature
Rainfall mm (left axis)
Rel. humidity % (right axis)
Wind speed km/hr
Wind direction
0000 Mon 27
0000 Tue 28
0000 Wed 29
0000 Thu 30
0000 Fri 31
0000 Sat 01
0000 Sun 02
Time (EST)

Tony Trace

From: Tony Trace

Sent: Sunday, 9 January 2011 4:48 PM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted] 'Robbie Goodger'; 'Steve Hompes'; [redacted] 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Cc: Tony Trace

Subject: Weather System update

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER Issued at 2:48 PM on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane.

Very heavy rainfall is being recorded in a rainband that stretches from Gympie to the northern suburbs of Brisbane and inland to Dalby. Totals of up to 25 to 50 millimetres have been recorded in the last hour within this rainband with the heaviest rainfall currently in the upper reaches of the Caboolture River and Kilcoy Creek.

This rainband is expected to move south during this afternoon and during Sunday night. Fast rises and flash flooding are possible during tonight in the Caboolture and Pine River catchments and in the Brisbane Metropolitan creeks.

Ipswich Catchment Update

We have had up to 30mm across most of the catchment in the last 12 hours, but not much more than a few heavy showers over the last 3 hours.This has led to a number of streams having rises but generally below minor flood level.

Current stream heights:

Site	Bridge 1	Difference	Data 16:00:00 PM		
Grandchester	4.9m	0.800m	4.1F	0.800m	Below Bridge
Kuss Road	6.76m	4.040m	2.72S	4.040m	Below Bridge
Spressers Bridge	5.3m	1.880m	3.42RS	1.880m	Below Bridge
Rosewood WWTP	6.3m	1.970m	4.33RS	1.970m	Below Bridge
Greys Plains Rd	2.19m	0.850m	1.34S	0.850m	Below Bridge
Adams Bridge			1.7SR	0.000m	
Stokes Xing	0.86m	1.540m	2.4R	1.540m	Over Bridge
Rosewood 7 Mile	4.7m	1.080m	3.62R	1.080m	Below Bridge
Walloon 5 Mile	4.8m	4.700m	3.46RS	4.700m	Below Bridge
3 Mile	19.3m	7.850m	11.45S	7.850m	Below Bridge
1 Mile - Old	12.94m	4.790m	8.15S	4.790m	Below Bridge
1 Mile - New	17.2m	9.050m	8.15S	9.050m	Below Bridge
Brassall	13.8m	9.850m	3.95S	9.850m	Below Bridge
Sydney Street	10.45m	6.600m	3.85S	6.600m	Below Street
Ipswich	24.1m	20.500m	3.6S	20.500m	Below Bridge
Kalbar Weir	74.69m	0.800m	75.49S	0.800m	Over Bridge
Harrisville	5.5m	3.200m	2.35	3.200m	Below Bridge
Amberley				0.000m	

Peak Xing	5.05m	4.090m	0.96S	4.090m	Below Bridge
Loamside			3.82S	0.000m	
Ripley			50.47F	0.000m	
Harding Street			22.93RS	0.000m	
Blackstone Bridge	20.8m	4.010m	16.79R	4.010m	Below Bridge
Bundamba School	16.33m	3.600m	12.73F	3.600m	Below Bridge
Hanlon Street			4.15S	0.000m	
Marburg DT	3.5m	1.900m	1.6F	1.900m	Below Bridge
Rosewood DT			0.2F	0.000m	
Upper Woogaroo			0.7F	0.000m	
O'Possum Ck			22.35R	0.000m	
Wivenhoe TW			35.69S	0.000m	
Savages Xing			10.47S	0.000m	
Burtons Bridge	19.84m	11.980m	7.86S	11.980m	Below Bridge
Kholo Bridge	11.9m	3.240m	15.14S	3.240m	Over Bridge
Mt Crosby Weir	12.4m	1.080m	11.32S	1.080m	Below Bridge
Colleges Xing	3.4m	5.710m	9.11S	5.710m	Over Bridge

LEGEND:
F= Falling
S = steady
R= Rising
RS = Rising Slowly
P = Peaked

Infrastructure Update:

Tthe following local roads have been closed due to localised flooding;

- Ivan lane and schultzs rd ironbark water over road
- haigslea malabar rd closed 1.20pm
- ebenezer rd and rosewood warrill view rd have water over road
- rosewood laidley rd grandchester water over road

Wivenhoe Releases:
Releases from Wivenhoe Dam will be maintained at the current 1400m3/sec levels for at least the next 12 hours. This will reassessed as the flows from the Upper Brisbane River and Somerest Dam are better understood. Colleges Crossing and Kholo bridge are currently closed.

Forecast:
- Depending on how this weather system moves overnight, as it currently appears to be heading more SW and may move north of the Ipswich area. It is likely that expected rainfall is likely to cause minor flooding in the river catchments; and as such it is likely that we will closures of bridges similar to last week.
- Heavy rainfall expected in the Wivenhoe Dam catchment which require an increase to current release levels, which may impact on the Mt.Crosby Wier. SEQWater will advise of any changes to release volumes.
- At the present time, the Ipswich City Local Disaster Management Group remains at Lean Forward - Level 1
- We will continue to monitor the event, and will provide updated information as it becomes known.

From: Tony Trace
Sent: Sunday, 9 January 2011 2:28 PM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted] 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony

Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Subject: RE: Severe Weather Warning

SEVERE WEATHER WARNING is still in place, for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett, and eastern Darling Downs and Granite Belt District.

Synoptic Situation: At 10am EST, an upper level low was located offshore of the Capricorn coast. A surface trough was located offshore of the southern Queensland coast. Both of these systems are expected to move closer to the coast today.

Rain areas and thunderstorms are expected to increase further through the Southeast Coast district and southern parts of the Wide Bay and Burnett district today. The heavy rain areas are expected to move into the eastern parts of the Darling Downs and Granite Belt District overnight. Some heavy falls are likely which may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: Rainfall over 100mm was recorded in the last 24 hours about parts of the Sunshine Coast and Hinterland.

Catchment Update:

In the 5 hours since 9am this morning, we have seen falls of around 20-30mm across the Ipswich catchment.

This has resulted in some minor rises to streams. The situation will continue to be monitored.

Forecast for Ipswich:

Sunday - Rain periods, heavy at times, with possible thunder. Moderate E to SE winds. Max 26

Monday - Rain periods, possible thunder. Min 21 Max 25
Tuesday - Rain periods, possible thunder. Min 21 Max 26
Wednesday - A few showers. Min 21 Max 27
Thursday - A shower or two. Min 20 Max 28
Friday - A shower or two. Min 19 Max 28
Saturday - Mostly fine, possible shower. Min 18 Max 30

From: Tony Trace
Sent: Saturday, 8 January 2011 12:01 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests;

[redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Subject: Severe Weather Warning

SEVERE WEATHER WARNING has been issued by BOM for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Synoptic Situation: At 12pm EST, a low level trough was located off the southern coast and is expected to affect coastal areas this afternoon and move further inland overnight.

As such, rain areas are expected to return to the Southeast Coast and Wide Bay and Burnett districts from this afternoon, and increase to moderate to heavy falls at times tonight and Sunday. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

From: Tony Trace
Sent: Saturday, 8 January 2011 9:00 AM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Catchment Update 8th January 2011

Catchment Update:

Only 1-2mm of rain was received across Ipswich City's catchments overnight, though the continued runoff from earlier rains during yesterday led to expected small rises in most streams, all below minor flood level. All streams are currently conitnuing to fall, with exception to the Bremer still rising at One Mile as waters from the warrill and upper bremer continue to move thru the stream.

Wivenhoe Update

At 0600 Saturday, Wivenhoe Dam was 68.45 m AHD and rising steadily with all five gates open and releasing about 890 m3/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam It is intended to ramp up the release from Wivenhoe to 1,200m3/s by midday Saturday 08/01/2011. Further assessments will be undertaken to determine increases above this level. However, given the high likelihood of significant inflows in the next week, this may be increased.

Infrastructure Update:

All Roads are now open, with the exeception of Colleges Crossing and Kholo Bridge (closed at

7:45am today).

The projected Wivenhoe release of 1,200m3/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected but they could potentially be affected if the predicted rainfall totals eventuate.

Forecast for Saturday

A morning shower or two increasing to rain periods with possible thunder during the afternoon. Moderate SE to NE winds.

Sunday	Rain periods, possible thunder.	Min 21	Max 26
Monday	Rain periods, possible thunder.	Min 21	Max 26
Tuesday	Rain periods, possible thunder.	Min 21	Max 26
Wednesday	Shower or two.	Min 22	Max 27
Thursday	Shower or two.	Min 22	Max 28
Friday	Shower or two.	Min 21	Max 28

As it can be seen, the advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday: Rain light at times 5-50mm with higher falls along the coast

Sunday: Widespread rain with totals between 50-100mm

Monday: Widespread rain again with totals between 50-100mm

Tuesday: Rain easing with totals between 25-50mm

From: Tony Trace
Sent: Friday, 7 January 2011 10:48 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: RE: Severe Weather Warning for Southeast Coast

Catchment Update:

So far today we have received 10mm across Ipswich City from Rosewood to Greenbank, with nothing falling in the upper catchments. While we have seen most of the stream activity expected and have strated to see levels fall in the upper reaches, with peaks nearly reached at 3 Mile and 1 Mile below minor flood levels, we may see some further small rises as localised run-off enters the streams. Further rainfall is expected as the weather system continues to move inland.

The following **road closures are still in place** at the moment. The relevant road signage has been put in place to advise the travelling public. Inspections are being undertaken throughout the network to determine the status

Strong's Road	Lanefield	(Strong's Bridge)	
Hiddenvale Road	Hiddenvale	(Cummins Bridge & Floodway)	**OPEN**
Ipswich Rosewood Road	Rosewood	(7 Mile Bridge)	**OPEN**
Rosewood Warrill View	Rosewood	(Spressers Bridge & Floodway's)	**OPEN**
Haigslea Amberley Road	Amberley	(5 Mile Bridge)	
Albert Street	Goodna		
Sydney Street	Brassall		**Open**

Also, Colleges Crossing was closed @ 8:30am (Note: given the rainfall in the lockyer and upper Brisbane catchment as well as the level of predicted rainfall, it can be expected that the crossing and park will remain closed until late next week as releases from Wivenhoe Dam are increased back to previous levels around the 1500m3/sec.)

Maintenance Crews are attending to severe potholes, focusing on the City's strategic road network.

Forecast:

Further to the forecast provided this morning, please find attached further forecast data below - of particular importance is the predicted levels of rainfall expected over Sunday (approx 100mm) and further falls of 50mm daily on Monday and Tuesday. Given the current saturation of the catchments, this level of rainfall will see a high liklihood of increased occurance of flooding.

LDMG Status:

Given the forecasted rainfall, the Deputy Chairperson has requested that the LDMG level of activation will be moved from "alert" to *LEAN FORWARD ONE*.

As such, member agencies are requested to review their level of readiness, including recourcing levels and availability.

LDMG members are notified that they should be prepared for the possibility of being required to attend full brieging meeting on Sunday or Monday, depending on how this weather system develops.

Tony Trace

From: Tony Trace

Sent: Sunday, 9 January 2011 7:31 PM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted] 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace

Subject: RE: Severe Weather Warning for Southeast Coast

Current BOM Warning

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER Issued at 7:05 PM on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane.

A rainband stretches from Gympie to the northern suburbs of Brisbane and inland to Dalby. Rainfall totals of up 180 millimetres have been recorded in the Sunshine Coast region in the six hours to 7pm. The heaviest rainfall in the past two hours has been in the Killcoy, Stanley and Upper Mary catchments, with totals up to 60 millimetres recorded. The rainband is expected to move south during Sunday night.

Fast river rises have occurred in the Caboolture River resulting in minor flooding at Caboolture. Further rises in the Caboolture River and Pine River catchments are expected overnight Sunday.

Further flooding is possible in the Brisbane and Ipswich metropolitan creeks overnight Sunday.

Flood warnings are current for the Mary River, Sunshine Coast streams and the Upper Brisbane and Lower Brisbane rivers.

Catchment Update:

We have received up to 30mm of rain in the catchment in the last 3 hours, the heaviest falls have been in the northern parts of the catchments. Rises have been fast and are falling almost as quick as they are rising. Predicted rain could have a significant impact on both major streams and the creeks, areas of most concern are the creeks in the eastern areas due to their nature of flash flooding .

Current Catchment Levels are as follows;

Site	Bridge 1	Difference	Data		
Grandchester	4.9m	1.570m	3.33S	1.570m	Below Bridge
Kuss Road	6.76m	4.040m	2.72S	4.040m	Below Bridge
Spressers Bridge	S.3m	1.080m	4.22R	1.080m	Below Bridge
Rosewood WWTP	6.3m	0.420m	5.88R	0.420m	Below Bridge

Greys Plains Rd	2.19m	0.950m	1.24S	0.950m	Below Bridge
Adams Bridge			2.05R	0.000m	
Stokes Xing	0.86m	1.690m	2.55R	1.690m	Over Bridge
Rosewood 7 Mile	4.7m	0.460m	4.24RS	0.460m	Below Bridge
Walloon 5 Mile	4.8m	4.700m	3.76R	4.700m	Below Bridge
3 Mile	19.3m	7.600m	11.7RS	7.600m	Below Bridge
1 Mile - Old	12.94m	4.640m	8.3S	4.640m	Below Bridge
1 Mile - New	17.2m	8.900m	8.3R	8.900m	Below Bridge
Brassall	13.8m	9.600m	4.2	9.600m	Below Bridge
Sydney Street	10.45m	6.250m	4.2	6.250m	Below Street
Ipswich	24.1m	20.300m	3.8	20.300m	Below Bridge
Kalbar Weir	74.69m	1.020m	75.71S	1.020m	Over Bridge
Harrisville	5.5m	1.120m	4.38RS	1.120m	Below Bridge
Amberley				0.000m	
Peak Xing	5.05m	3.940m	1.11S	3.940m	Below Bridge
Loamside			3.82S	0.000m	
Ripley			50.27F	0.000m	
Harding Street			23.38RS	0.000m	
Blackstone Bridge	20.8m	3.260m	17.54RS	3.260m	Below Bridge
Bundamba School	16.33m	2.900m	13.43R	2.900m	Below Bridge
Hanlon Street			4.38R	0.000m	
Marburg DT	3.5m	1.350m	2.15RS	1.350m	Below Bridge
Rosewood DT			0.2S	0.000m	
Upper Woogaroo			0.65F	0.000m	
O'Possum Ck			22.05F	0.000m	
Wivenhoe TW			35.91R	0.000m	
Savages Xing			10.81RS	0.000m	
Burtons Bridge	19.84m	11.620m	8.22RS	11.620m	Below Bridge
Kholo Bridge	11.9m	3.560m	15.46RS	3.560m	Over Bridge
Mt Crosby Weir	12.4m	0.840m	11.56R	0.840m	Below Bridge
Colleges Xing	3.4m	6.010m	9.41R	6.010m	Over Bridge

Infrastructure Update:

The following **road closures are still in place** at the moment. The relevant road signage has been put in place to advise the travelling public.

- Ivan lane and schultzs rd ironbark water over road
- haigslea malabar rd closed 1.20pm
- ebenezer rd and rosewood warrill view rd have water over road
- rosewood laidley rd grandchester water over road

Wivenhoe Releases:

Also, Colleges Crossing and Kholo Bridages remain closed.

Due to the high rainfall recieved in the Wivenhoe Dam catchment during today, and taking into

account predicted falls, SEQWater is looking to significantly increase the releases within the next 24 hours, above the current 1400m3/sec, to reduce the dam level back to full supply levels.

Possible impacts would be the Mt Crosby Weir will be closed as well as infrastructure at Colleges Croosing may be affected. Assessments will be done once further infromation is received from SEQWater.

Forecast:

The BOM rainfall forecast for the next few days is:-

Overnight/Monday:	Very heavy rain periods
Tuesday:	Rain periods
Wednesday	A few showers
Thursday	A shower or two.
Friday	A shower or two.
Saturday	Mostly fine.

LDMG Status:

The LDMG level of activation remains *LEAN FORWARD ONE*.

LDMG members are notified that they should be prepared for the possibility of being required to attend full brieging meeting on Monday, depending on how this weather system develops.

Situation will continue to monitored during the night and updates provided as new information comes available.

Tony Trace

From: Tony Trace

Sent: Sunday, 9 January 2011 9:46 PM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted] 'Robbie Goodger'; 'Steve Hompes'; [redacted] 'Annabelle Johnstone'; 'Colin Chapman'; [redacted] Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted] Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted] Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Cc: Tony Trace

Subject: RE: Weather System update

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER Issued at 7:05 PM on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane. - IS STIIL IN PLACE.

A rainband stretches from Gympie to the northern suburbs of Brisbane and inland to Dalby. Rainfall totals of up 180 millimetres have been recorded in the Sunshine Coast region in the six hours to 7pm. The heaviest rainfall in the past two hours has been in the Killcoy, Stanley and Upper Mary catchments, with totals up to 60 millimetres recorded. The rainband is expected to move south during Sunday night.

Community Update:

Due to the continuing rising water levels at Colleges Crossing due to the significant rainfalls in the Lockyer catchment, it has been decided to assist the residents of the Caretaker's House at Colleges in voluntary evacuation of this residence. Initial view that they will be going to friends.

Ipswich Catchment Update

In the last 3 hours we have up to 20mm of rainfall, which has mainly fallen in the northern areas of Ipswich region.

Infrastructure Update:

Tthe following local roads have been closed due to localised flooding;

- Ivan lane Ironbark
- schultzs rd ironbark
- haigslea malabar rd
- ebenezer rd and rosewood warrill view rd have water over road
- rosewood laidley rd grandchester water
- Rosewood warrill view closed at 8.25pm near treatment plant
- strongs bridge closed

Wivenhoe Releases:
Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe Monday morning. Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 7,500m3/s and, at this stage, the dam will reach at least 73.0 m AHD during Tuesday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows is the lower Brisbane will be limited to 4,000m3/s. This is below the limit of urban damages in the City reaches.

The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day). Gate opening will start to be

increased from noon Monday and the release is expected increase to at least 2,600m3/s during Tuesday morning.

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam.

Forecast:

- The radar shows weather system starting to swing south as predicted by BOM, which will see a increase in rainfall levels during the remainder of the night.
- It is likely that expected rainfall is likely to cause minor flooding in the river catchments; and as such it is likely that we will closures of bridges similar to last week.
- Heavy rainfall expected in the Wivenhoe Dam catchment which require an increase to current release levels, which will impact on the Mt.Crosby Wier. SEQWater will advise of any changes to release volumes.
- At the present time, the Ipswich City Local Disaster Management Group remains at Lean Forward - Level 1
- We will continue to monitor the event, and will provide updated information as it becomes known.

From: Tony Trace
Sent: Sunday, 9 January 2011 4:48 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: Tony Trace
Subject: Weather System update

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER Issued at 2:48 PM on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane.

Very heavy rainfall is being recorded in a rainband that stretches from Gympie to the northern suburbs of Brisbane and inland to Dalby. Totals of up to 25 to 50 millimetres have been recorded in the last hour within this rainband with the heaviest rainfall currently in the upper reaches of the Caboolture River and Kilcoy Creek.

This rainband is expected to move south during this afternoon and during Sunday night. Fast rises and flash flooding are possible during tonight in the Caboolture and Pine River catchments and in the Brisbane Metropolitan creeks.

Ipswich Catchment Update

We have had up to 30mm across most of the catchment in the last 12 hours, but not much more than a few heavy showers over the last 3 hours.This has led to a number of streams having rises but generally below minor flood level.

Current stream heights:

Site	Bridge 1	Difference	Data 16:00:00 PM		
Grandchester	4.9m	0.800m	4.1F	0.800m	Below Bridge
Kuss Road	6.76m	4.040m	2.72S	4.040m	Below Bridge
Spressers Bridge	5.3m	1.880m	3.42RS	1.880m	Below Bridge
Rosewood WWTP	6.3m	1.970m	4.33RS	1.970m	Below Bridge

Greys Plains Rd	2.19m	0.850m	1.34S	0.850m	Below Bridge
Adams Bridge			1.75R	0.000m	
Stokes Xing	0.86m	1.540m	2.4R	1.540m	Over Bridge
Rosewood 7 Mile	4.7m	1.080m	3.62R	1.080m	Below Bridge
Walloon 5 Mile	4.8m	4.700m	3.46RS	4.700m	Below Bridge
3 Mile	19.3m	7.850m	11.45S	7.850m	Below Bridge
1 Mile - Old	12.94m	4.790m	8.15S	4.790m	Below Bridge
1 Mile - New	17.2m	9.050m	8.15S	9.050m	Below Bridge
Brassall	13.8m	9.850m	3.95S	9.850m	Below Bridge
Sydney Street	10.4Sm	6.600m	3.85S	6.600m	Below Street
Ipswich	24.1m	20.500m	3.6S	20.500m	Below Bridge
Kalbar Weir	74.69m	0.800m	75.49S	0.800m	Over Bridge
Harrisville	5.Sm	3.200m	2.3S	3.200m	Below Bridge
Amberley				0.000m	
Peak Xing	5.0Sm	4.090m	0.96S	4.090m	Below Bridge
Loamside			3.82S	0.000m	
Ripley			50.47F	0.000m	
Harding Street			22.93RS	0.000m	
Blackstone Bridge	20.8m	4.010m	16.79R	4.010m	Below Bridge
Bundamba School	16.33m	3.600m	12.73F	3.600m	Below Bridge
Hanlon Street			4.15S	0.000m	
Marburg DT	3.5m	1.900m	1.6F	1.900m	Below Bridge
Rosewood DT			0.2F	0.000m	
Upper Woogaroo			0.7F	0.000m	
O'Possum Ck			22.35R	0.000m	
Wivenhoe TW			35.69S	0.000m	
Savages Xing			10.47S	0.000m	
Burtons Bridge	19.84m	11.980m	7.86S	11.980m	Below Bridge
Kholo Bridge	11.9m	3.240m	15.14S	3.240m	Over Bridge
Mt Crosby Weir	12.4m	1.080m	11.32S	1.080m	Below Bridge
Colleges Xing	3.4m	5.710m	9.11S	5.710m	Over Bridge

LEGEND:

F= Falling
S = steady
R= Rising
RS = Rising Slowly

P = Peaked

Infrastructure Update:

Tthe following local roads have been closed due to localised flooding;

- Ivan lane and schultzs rd ironbark water over road
- haigslea malabar rd closed 1.20pm
- ebenezer rd and rosewood warrill view rd have water over road
- rosewood laidley rd grandchester water over road

Wivenhoe Releases:

Releases from Wivenhoe Dam will be maintained at the current 1400m3/sec levels for at least the next 12

hours. This will reassessed as the flows from the Upper Brisbane River and Somerest Dam are better understood. Colleges Crossing and Kholo bridge are currently closed.

Forecast:

- Depending on how this weather system moves overnight, as it currently appears to be heading more SW and may move north of the Ipswich area. It is likely that expected rainfall is likely to cause minor flooding in the river catchments; and as such it is likely that we will closures of bridges similar to last week.
- Heavy rainfall expected in the Wivenhoe Dam catchment which require an increase to current release levels, which may impact on the Mt.Crosby Wier. SEQWater will advise of any changes to release volumes.
- At the present time, the Ipswich City Local Disaster Management Group remains at Lean Forward - Level 1
- We will continue to monitor the event, and will provide updated information as it becomes known.

From: Tony Trace
Sent: Sunday, 9 January 2011 2:28 PM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Subject: RE: Severe Weather Warning

SEVERE WEATHER WARNING is still in place, for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett, and eastern Darling Downs and Granite Belt District.

Synoptic Situation: At 10am EST, an upper level low was located offshore of the Capricorn coast. A surface trough was located offshore of the southern Queensland coast. Both of these systems are expected to move closer to the coast today.

Rain areas and thunderstorms are expected to increase further through the Southeast Coast district and southern parts of the Wide Bay and Burnett district today. The heavy rain areas are expected to move into the eastern parts of the Darling Downs and Granite Belt District overnight. Some heavy falls are likely which may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: Rainfall over 100mm was recorded in the last 24 hours about parts of the Sunshine Coast and Hinterland.

Catchment Update:

In the 5 hours since 9am this morning, we have seen falls of around 20-30mm across the Ipswich catchment.

This has resulted in some minor rises to streams. The situation will continue to be monitored.

Forecast for Ipswich:

Sunday - Rain periods, heavy at times, with possible thunder. Moderate E to SE winds. Max 26

Monday - Rain periods, possible thunder. Min 21 Max 25

Tuesday - Rain periods, possible thunder. Min 21 Max 26
Wednesday - A few showers. Min 21 Max 27
Thursday - A shower or two. Min 20 Max 28
Friday - A shower or two. Min 19 Max 28
Saturday - Mostly fine, possible shower. Min 18 Max 30

From: Tony Trace
Sent: Saturday, 8 January 2011 12:01 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Subject: Severe Weather Warning

SEVERE WEATHER WARNING has been issued by BOM for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Synoptic Situation: At 12pm EST, a low level trough was located off the southern coast and is expected to affect coastal areas this afternoon and move further inland overnight.

As such, rain areas are expected to return to the Southeast Coast and Wide Bay and Burnett districts from this afternoon, and increase to moderate to heavy falls at times tonight and Sunday. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

From: Tony Trace
Sent: Saturday, 8 January 2011 9:00 AM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Catchment Update 8th January 2011

Catchment Update:

Only 1-2mm of rain was received across Ipswich City's catchments overnight, though the continued runoff from earlier rains during yesterday led to expected small rises in most streams, all below

minor flood level. All streams are currently conitnuing to fall, with exception to the Bremer still rising at One Mile as waters from the warrill and upper bremer continue to move thru the stream.

Wivenhoe Update

At 0600 Saturday, Wivenhoe Dam was 68.45 m AHD and rising steadily with all five gates open and releasing about 890 m3/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam It is intended to ramp up the release from Wivenhoe to 1,200m3/s by midday Saturday 08/01/2011. Further assessments will be undertaken to determine increases above this level. However, given the high likelihood of significant inflows in the next week, this may be increased.

Infrastructure Update:

All Roads are now open, with the exeception of Colleges Crossing and Kholo Bridge (closed at 7:45am today).

The projected Wivenhoe release of 1,200m3/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected but they could potentially be affected if the predicted rainfall totals eventuate.

Forecast for Saturday

A morning shower or two increasing to rain periods with possible thunder during the afternoon. Moderate SE to NE winds.

Sunday	Rain periods, possible thunder.	Min 21	Max 26
Monday	Rain periods, possible thunder.	Min 21	Max 26
Tuesday	Rain periods, possible thunder.	Min 21	Max 26
Wednesday	Shower or two.	Min 22	Max 27
Thursday	Shower or two.	Min 22	Max 28
Friday	Shower or two.	Min 21	Max 28

As it can be seen, the advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday: Rain light at times 5-50mm with higher falls along the coast

Sunday: Widespread rain with totals between 50-100mm

Monday: Widespread rain again with totals between 50-100mm

Tuesday: Rain easing with totals between 25-50mm

From: Tony Trace
Sent: Friday, 7 January 2011 10:48 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted] 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: RE: Severe Weather Warning for Southeast Coast

Catchment Update:

So far today we have received 10mm across Ipswich City from Rosewood to Greenbank, with nothing falling in the upper catchments. While we have seen most of the stream activity expected and have strated to see levels fall in the upper reaches, with peaks nearly reached at 3 Mile and 1 Mile below minor flood levels, we may see some further small rises as localised run-off enters the streams. Further rainfall is expected as the weather system continues to move inland.

The following **road closures are still in place** at the moment. The relevant road signage has been put in place to advise the travelling public. Inspections are being undertaken throughout the network to determine the status

Strong's Road	Lanefield	(Strong's Bridge)	
Hlddenvale Road	Hiddenvale	(Cummins Bridge & Floodway)	**OPEN**
Ipswich Rosewood Road	Rosewood	(7 Mile Bridge)	**OPEN**
Rosewood Warrill View	Rosewood	(Spressers Bridge & Floodway's)	**OPEN**
Haigslea Amberley Road	Amberley	(5 Mile Bridge)	
Albert Street	Goodna		
Sydney Street	Brassall		**Open**

Also, Colleges Crossing was closed @ 8:30am (Note: given the rainfall in the lockyer and upper Brisbane catchment as well as the level of predicted rainfall, it can be expected that the crossing and park will remain closed until late next week as releases from Wivenhoe Dam are increased back to previous levels around the 1500m3/sec.)

Maintenance Crews are attending to severe potholes, focusing on the City's strategic road network.

Forecast:

Further to the forecast provided this morning, please find attached further forecast data below - of particular importance is the predicted levels of rainfall expected over Sunday (approx 100mm) and further falls of 50mm daily on Monday and Tuesday. Given the current saturation of the catchments, this level of rainfall will see a high liklihood of increased occurance of flooding.

LDMG Status:

Given the forecasted rainfall, the Deputy Chairperson has requested that the LDMG level of activation will be moved from "alert" to *LEAN FORWARD ONE*.

As such, member agencies are requested to review their level of readiness, including recourcing levels and availability.

LDMG members are notified that they should be prepared for the possibility of being required to attend full brieging meeting on Sunday or Monday, depending on how this weather system develops.

Tony Trace

From: Tony Trace

Sent: Monday, 10 January 2011 12:32 AM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted] 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Allan Roebuck; [redacted] Michael Thompson; Annette Schoone; Brooke de Jong; [redacted] Arie Van den Ende; Daryl Hickey; Errol Pearce (Barry); Rosewood Room

Cc: Kerrie Tillack

Subject: LDMG Meeting

Given the current Predictions and rainfall already received within the Ipswich Area, a meeting of the LDMG has been called for 8:30am in the Rosewood Room on Level 1 of the Hayden Building.

If you are unable to attend, please send your apologies or delegate. An update will be circulated after the meeting.

Tony Trace

From: Tony Trace

Sent: Monday, 10 January 2011 12:23 AM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted] Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: RE: Weather System update

Current Forecast

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER Issued at 11:02 PM on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane. - IS STILL IN AFFECT.

A rainband stretches from Gympie to the northern suburbs of Brisbane and inland to Dalby. Rainfall totals of up 260 millimetres have been recorded in the Sunshine Coast region since 9am Sunday. Rainfall has generally eased in the past two hours, however, further heavy rainfall is expected overnight and during Monday.

Forecast from BOM is that the Upper level trough is definitely moving south and broadening, expected to reach between the Sunshine Coast and the Border within the next 3-4 hours. Expect a general increase in rainfall over the next 3 to 4 hours with likely rain intensifying from about 3am onwards across the catchment.

Expectation of in excess of 200 mm of rain within the next 24 hours, in our catchment area. Heavy rain will relate to increased flows in all streams with particular concerns for smaller creeks such as Bundamba, Six Mile and Woogaroo.

As a result of the proposed increased releases from Wivenhoe , the prediction of the following level has been provided **(peak expected Tuesday 11/1/01)** :

Mt Crosby Weir: 17m
Colleges Crossing: 14.5m (Calculations for Colleges Xing based on previous relationships between Mt Crosby Weir, Colleges and Moggill indicate a approximate predicted level)
Ipswich : 8m (backflow from Brisbane River)

Ipswich Catchment Update

In the last 2 hours we have had only 1 - 2mm , which has mainly fallen in the northern areas of Ipswich region. As such, we have seen falls in Western Creek and are still seeing rises in the Bremer, Warrill and Purga as previous run-off moves thru the system.

Current view of Catchment crossing, is as follows;

Grandchester	4.9m	0.920m	3.98R	0.920m	Below Bridge
Kuss Road	6.76m	6.760m	0	6.760m	Below Bridge
Spressers Bridge	5.3m	0.380m	4.92S	0.380m	Below Bridge
Rosewood WWTP	6.3m	0.280m	6.58S	0.280m	Over Bridge
Greys Plains Rd	2.19m	1.050m	1.14S	1.050m	Below Bridge
Adams Bridge			2.07F	0.000m	
Stokes Xing	0.86m	1.840m	2.7R	1.840m	Over Bridge
Rosewood 7 Mile	4.7m	0.400m	5.1R	0.400m	Over Bridge
Walloon 5 Mile	4.8m	0.160m	4.96R	0.160m	Over Bridge
3 Mile	19.3m	6.550m	12.75R	6.550m	Below Bridge
1 Mile - Old	12.94m	3.840m	9.1R	3.840m	Below Bridge
1 Mile - New	17.2m	8.100m	9.1R	8.100m	Below Bridge
Brassall	13.8m	9.150m	4.65R	9.150m	Below Bridge
Sydney Street	10.45m	5.800m	4.6S	5.800m	Below Street
Ipswich	24.1m	20.050m	4.05	20.050m	Below Bridge
Kalbar Weir	74.69m	1.020m	75.71F	1.020m	Over Bridge
Harrisville	5.5m	2.840m	2.66R	2.840m	Below Bridge
Amberley				0.000m	
Peak Xing	5.05m	3.840m	1.21S	3.840m	Below Bridge
Loamside				0.000m	
Ripley			50.52R	0.000m	
Harding Street			23.53S	0.000m	
Blackstone Bridge	20.8m	2.860m	17.94F	2.860m	Below Bridge
Bundamba School	16.33m	2.350m	13.98S	2.350m	Below Bridge
Hanlon Street			4.65R	0.000m	
Marburg DT	3.5m	1.150m	2.35F	1.150m	Below Bridge
Rosewood DT			0.3S	0.000m	
Upper Woogaroo			0.8S	0.000m	
O'Possum Ck			21.8S	0.000m	
Wivenhoe TW			36.51R	0.000m	
Savages Xing			11.67R	0.000m	
Burtons Bridge	19.84m	10.840m	9R	10.840m	Below Bridge
Kholo Bridge	11.9m	4.300m	16.2R	4.300m	Over Bridge
Mt Crosby Weir	12.4m	0.230m	12.17R	0.230m	Below Bridge
Colleges Xing	3.4m	6.460m	9.86R	6.460m	Over Bridge

Infrastructure Update:

Tthe following local roads have been closed due to localised flooding;

- Ivan lane Ironbark
- Schultz's Road ironbark
- Haigslea Kalabar Road
- Ebenezer Road
- Rosewood Warrill view Road, Rosewood

- Rosewood Laidley rd Grandchester
- Strongs bridge closed
- 5 Mile Bridge

The following Bridges have been closed on the Brisbane River, due to Wivenhoe Dam Release and flows from Lockyer Catchment.

- Kholo Bridge
- Mt Crosby Weir
- Colleges Crossing

Community Update:

Due to the continuing rising water levels at Colleges Crossing due to the significant rainfalls in the Lockyer catchment, it has been decided to assist the residents of the Caretaker's House at Colleges in voluntary evacuation of this residence. Initial view is that they will be going to friends.

Wivenhoe Releases:

Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe Monday morning. Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 7,500m3/s and, at this stage, the dam will reach at least 73.0 m AHD during Tuesday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows is the lower Brisbane will be limited to 4,000m3/s. This is below the limit of urban damages in the City reaches.

The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day). Gate opening will start to be increased from noon Monday and the release is expected increase to at least 2,600m3/s during Tuesday morning.

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam.

Operations Update:

- At the present time, the Ipswich City Local Disaster Management Group remains at Lean Forward - Level 1 and will meet early Monday morning.
- Local Disaster Co-ordination centre is operational and manned by LDC.
- Road Crews are closing crossings and roads as required to ensure the safety of the public.
- We will continue to monitor the event, and will provide updated information as it becomes known.

From: Tony Trace
Sent: Sunday, 9 January 2011 4:48 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: Tony Trace
Subject: Weather System update

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER Issued at 2:48 PM on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane.

Very heavy rainfall is being recorded in a rainband that stretches from Gympie to the northern suburbs of Brisbane and inland to Dalby. Totals of up to 25 to 50 millimetres have been recorded in the last hour within this rainband with the heaviest rainfall currently in the upper reaches of the Caboolture River and Kilcoy Creek.

This rainband is expected to move south during this afternoon and during Sunday night. Fast rises and flash flooding are possible during tonight in the Caboolture and Pine River catchments and in the Brisbane Metropolitan creeks.

Ipswich Catchment Update

We have had up to 30mm across most of the catchment in the last 12 hours, but not much more than a few heavy showers over the last 3 hours.This has led to a number of streams having rises but generally below minor flood level.

Current stream heights:

Site	Bridge 1	Difference	Data 16:00:00 PM		
Grandchester	4.9m	**0.800m**	4.1F	0.800m	Below Bridge
Kuss Road	6.76m	**4.040m**	2.72S	4.040m	Below Bridge
Spressers Bridge	5.3m	**1.880m**	3.42RS	1.880m	Below Bridge
Rosewood WWTP	6.3m	**1.970m**	4.33RS	1.970m	Below Bridge
Greys Plains Rd	2.19m	**0.850m**	1.34S	0.850m	Below Bridge
Adams Bridge			1.75R	0.000m	
Stokes Xing	0.86m	**1.540m**	2.4R	1.540m	Over Bridge
Rosewood 7 Mile	4.7m	**1.080m**	3.62R	1.080m	Below Bridge
Walloon 5 Mile	4.8m	**4.700m**	3.46RS	4.700m	Below Bridge
3 Mile	19.3m	**7.850m**	11.45S	7.850m	Below Bridge
1 Mile - Old	12.94m	**4.790m**	8.15S	4.790m	Below Bridge
1 Mile - New	17.2m	**9.050m**	8.15S	9.050m	Below Bridge
Brassall	13.8m	**9.850m**	3.95S	9.850m	Below Bridge
Sydney Street	10.45m	**6.600m**	3.85S	6.600m	Below Street
Ipswich	24.1m	**20.500m**	3.6S	20.500m	Below Bridge
Kalbar Weir	74.69m	**0.800m**	75.49S	0.800m	Over Bridge
Harrisville	5.5m	**3.200m**	2.3S	3.200m	Below Bridge
Amberley				0.000m	
Peak Xing	5.05m	**4.090m**	0.96S	4.090m	Below Bridge
Loamside			3.82S	0.000m	

Ripley			50.47F	0.000m	
Harding Street			22.93RS	0.000m	
Blackstone Bridge	20.8m	4.010m	16.79R	4.010m	Below Bridge
Bundamba School	16.33m	3.600m	12.73F	3.600m	Below Bridge
Hanlon Street			4.15S	0.000m	
Marburg DT	3.Sm	1.900m	1.6F	1.900m	Below Bridge
Rosewood DT			0.2F	0.000m	
Upper Woogaroo			0.7F	0.000m	
O'Possum Ck			22.35R	0.000m	
Wivenhoe TW			35.69S	0.000m	
Savages Xing			10.47S	0.000m	
Burtons Bridge	19.84m	11.980m	7.86S	11.980m	Below Bridge
Kholo Bridge	11.9m	3.240m	15.14S	3.240m	Over Bridge
Mt Crosby Weir	12.4m	1.080m	11.32S	1.080m	Below Bridge
Colleges Xing	3.4m	5.710m	9.11S	5.710m	Over Bridge

LEGEND:
F= Falling
S = steady
R= Rising
RS = Rising Slowly
P = Peaked

Infrastructure Update:

Tthe following local roads have been closed due to localised flooding;

- Ivan lane and schultzs rd ironbark water over road
- haigslea malabar rd closed 1.20pm
- ebenezer rd and rosewood warrill view rd have water over road
- rosewood laidley rd grandchester water over road

Wivenhoe Releases:
Releases from Wivenhoe Dam will be maintained at the current 1400m3/sec levels for at least the next 12 hours. This will reassessed as the flows from the Upper Brisbane River and Somerest Dam are better understood. Colleges Crossing and Kholo bridge are currently closed.

Forecast:
- Depending on how this weather system moves overnight, as it currently appears to be heading more SW and may move north of the Ipswich area. It is likely that expected rainfall is likely to cause minor flooding in the river catchments; and as such it is likely that we will closures of bridges similar to last week.
- Heavy rainfall expected in the Wivenhoe Dam catchment which require an increase to current release levels, which may impact on the Mt.Crosby Wier. SEQWater will advise of any changes to release volumes.
- At the present time, the Ipswich City Local Disaster Management Group remains at Lean Forward - Level 1
- We will continue to monitor the event, and will provide updated information as it becomes known.

From: Tony Trace
Sent: Sunday, 9 January 2011 2:28 PM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted] Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Subject: RE: Severe Weather Warning

SEVERE WEATHER WARNING is still in place, for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett, and eastern Darling Downs and Granite Belt District.

Synoptic Situation: At 10am EST, an upper level low was located offshore of the Capricorn coast. A surface trough was located offshore of the southern Queensland coast. Both of these systems are expected to move closer to the coast today.

Rain areas and thunderstorms are expected to increase further through the Southeast Coast district and southern parts of the Wide Bay and Burnett district today. The heavy rain areas are expected to move into the eastern parts of the Darling Downs and Granite Belt District overnight. Some heavy falls are likely which may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: Rainfall over 100mm was recorded in the last 24 hours about parts of the Sunshine Coast and Hinterland.

Catchment Update:

In the 5 hours since 9am this morning, we have seen falls of around 20-30mm across the Ipswich catchment.

This has resulted in some minor rises to streams. The situation will continue to be monitored.

Forecast for Ipswich:

Sunday - Rain periods, heavy at times, with possible thunder. Moderate E to SE winds. Max 26

Monday - Rain periods, possible thunder. Min 21 Max 25
Tuesday - Rain periods, possible thunder. Min 21 Max 26
Wednesday - A few showers. Min 21 Max 27
Thursday - A shower or two. Min 20 Max 28
Friday - A shower or two. Min 19 Max 28
Saturday - Mostly fine, possible shower. Min 18 Max 30

From: Tony Trace
Sent: Saturday, 8 January 2011 12:01 PM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted] 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted] Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Subject: Severe Weather Warning

SEVERE WEATHER WARNING has been issued by BOM for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Synoptic Situation: At 12pm EST, a low level trough was located off the southern coast and is expected to affect coastal areas this afternoon and move further inland overnight.

As such, rain areas are expected to return to the Southeast Coast and Wide Bay and Burnett districts from this afternoon, and increase to moderate to heavy falls at times tonight and Sunday. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

From: Tony Trace
Sent: Saturday, 8 January 2011 9:00 AM
To: Tony Trace; Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted] Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams
Subject: Catchment Update 8th January 2011

Catchment Update:

Only 1-2mm of rain was received across Ipswich City's catchments overnight, though the continued runoff from earlier rains during yesterday led to expected small rises in most streams, all below minor flood level. All streams are currently conitnuing to fall, with exception to the Bremer still rising at One Mile as waters from the warrill and upper bremer continue to move thru the stream.

Wivenhoe Update

At 0600 Saturday, Wivenhoe Dam was 68.45 m AHD and rising steadily with all five gates open and releasing about 890 m3/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam It is intended to ramp up the release from Wivenhoe to 1,200m3/s by midday Saturday 08/01/2011. Further assessments will be undertaken to determine increases above this level. However, given the high likelihood of significant inflows in the next week, this may be increased.

Infrastructure Update:

All Roads are now open, with the exeception of Colleges Crossing and Kholo Bridge (closed at 7:45am today).

The projected Wivenhoe release of 1,200m3/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge,

Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected but they could potentially be affected if the predicted rainfall totals eventuate.

Forecast for Saturday

A morning shower or two increasing to rain periods with possible thunder during the afternoon. Moderate SE to NE winds.

Sunday	Rain periods, possible thunder.	Min 21	Max 26
Monday	Rain periods, possible thunder.	Min 21	Max 26
Tuesday	Rain periods, possible thunder.	Min 21	Max 26
Wednesday	Shower or two.	Min 22	Max 27
Thursday	Shower or two.	Min 22	Max 28
Friday	Shower or two.	Min 21	Max 28

As it can be seen, the advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday: Rain light at times 5-50mm with higher falls along the coast

Sunday: Widespread rain with totals between 50-100mm

Monday: Widespread rain again with totals between 50-100mm

Tuesday: Rain easing with totals between 25-50mm

From: Tony Trace
Sent: Friday, 7 January 2011 10:48 AM
To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; [redacted] Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted] Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel
Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams; Tony Trace
Subject: RE: Severe Weather Warning for Southeast Coast

Catchment Update:

So far today we have received 10mm across Ipswich City from Rosewood to Greenbank, with nothing falling in the upper catchments. While we have seen most of the stream activity expected and have strated to see levels fall in the upper reaches, with peaks nearly reached at 3 Mile and 1

Mile below minor flood levels, we may see some further small rises as localised run-off enters the streams. Further rainfall is expected as the weather system continues to move inland.



The following **road closures are still in place** at the moment. The relevant road signage has been put in place to advise the travelling public. Inspections are being undertaken throughout the network to determine the status

Strong's Road	Lanefield	(Strong's Bridge)	
HIddenvale Road	Hiddenvale	(Cummins Bridge & Floodway)	**OPEN**
Ipswich Rosewood Road	Rosewood	(7 Mile Bridge)	**OPEN**
Rosewood Warrill View	Rosewood	(Spressers Bridge & Floodway's)	**OPEN**
Haigslea Amberley Road	Amberley	(5 Mile Bridge)	
Albert Street	Goodna		
Sydney Street	Brassall		**Open**

Also, Colleges Crossing was closed @ 8:30am (Note: given the rainfall in the lockyer and upper Brisbane catchment as well as the level of predicted rainfall, it can be expected that the crossing and park will remain closed until late next week as releases from Wivenhoe Dam are increased back to previous levels around the 1500m3/sec.)

Maintenance Crews are attending to severe potholes, focusing on the City's strategic road network.

Forecast:

Further to the forecast provided this morning, please find attached further forecast data below - of particular importance is the predicted levels of rainfall expected over Sunday (approx 100mm) and further falls of 50mm daily on Monday and Tuesday. Given the current saturation of the catchments, this level of rainfall will see a high liklihood of increased occurance of flooding.



LDMG Status:

Given the forecasted rainfall, the Deputy Chairperson has requested that the LDMG level of activation will be moved from "alert" to *LEAN FORWARD ONE*.

As such, member agencies are requested to review their level of readiness, including recourcing levels and availability.

LDMG members are notified that they should be prepared for the possibility of being required to attend full brieging meeting on Sunday or Monday, depending on how this weather system develops.

Tony Trace

From: Tony Trace

Sent: Monday, 10 January 2011 12:40 PM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted]; 'Robbie Goodger'; 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: RE: Weather System update @ 12pm 10th Janaury 2011

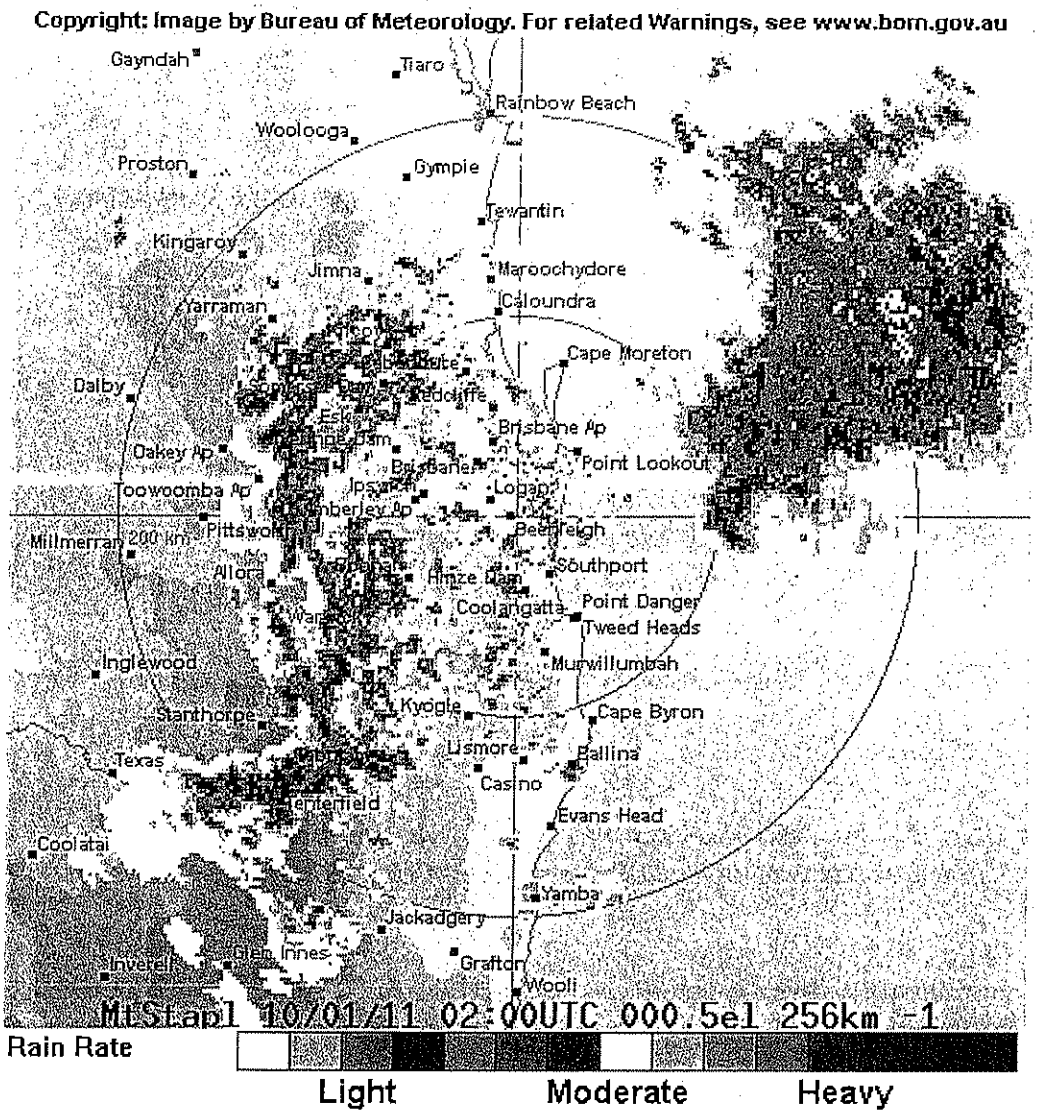
Current Forecast

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER Issued at 10:00am on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane. - IS STILL IN AFFECT.

Synoptic Situation: At 10am EST, an upper level low was located over the southwest of the Capricornia District. A surface trough was located off the southeast coast. Both of these systems are moving slowly west.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast district, far southern parts of the Wide Bay and Burnett District and eastern parts of the Darling Downs and Granite Belt district. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

The heavy rain areas and thunderstorms are expected to contract southwards into the Southeast Coast district and southeast parts of the Darling Downs and Granite Belt district during Tuesday.



As a result of the proposed increased releases from Wivenhoe , the prediction of the following level has been provided **(peak expected Tuesday 11/1/01)** :

Mt Crosby Weir: 17m
Colleges Crossing: 14.5m (Calculations for Colleges Xing based on previous relationships between Mt Crosby Weir, Colleges and Moggill indicate a approximate predicted level)
Ipswich : 9.5 m (backflow from Brisbane River) revised up from previous 8m

Ipswich Catchment Update

In the last 2 hours we have had only 1 - 2mm , which has mainly fallen in the northern areas of Ipswich region. As such, we have seen falls in Western Creek and are still seeing rises in the Bremer, Warrill and Purga as previous run-off moves thru the system.

Current view of Catchment crossing, is as follows;

Grandchester	4.9m	**1.270m**	3.63R	1.270m Below Bridge
Kuss Road	6.76m	**6.760m**	0X	6.760m Below Bridge
Spressers Bridge	S.3m	**0.380m**	4.92R	0.380m Below Bridge
Rosewood WWTP	6.3m	**0.220m**	6.08F	0.220m Below Bridge
Greys Plains Rd	2.19m	**0.250m**	2.44R	0.250m Over Bridge

Adams Bridge			4.23R	0.000m	
Stokes Xing	0.86m	**2.690m**	3.55R	2.690m	Over Bridge
Rosewood 7 Mile	4.7m	**0.220m**	4.92S	0.220m	Over Bridge
Walloon 5 Mile	4.8m	**1.140m**	5.94F	1.140m	Over Bridge
3 Mile	19.3m	**3.400m**	15.9S	3.400m	Below Bridge
1 Mile - Old	12.94m	**1.140m**	11.8R	1.140m	Below Bridge
1 Mile - New	17.2m	**5.400m**	11.8R	5.400m	Below Bridge
Brassall	13.8m	**6.450m**	7.35R	6.450m	Below Bridge
Sydney Street	10.45m	**3.100m**	7.35R	3.100m	Below Street
Ipswich	24.1m	**17.900m**	6.2R	17.900m	Below Bridge
Kalbar Weir	74.69m	**1.420m**	76.11R	1.420m	Over Bridge
Harrisville	5.5m	**2.420m**	3.08R	2.420m	Below Bridge
Amberley				0.000m	
Peak Xing	5.05m	**1.590m**	3.46R	1.590m	Below Bridge
Loamside			4.6R	0.000m	
Ripley			52.82R	0.000m	
Harding Street			24.13S	0.000m	
Blackstone Bridge	20.8m	**2.360m**	18.44R	2.360m	Below Bridge
Bundamba School	16.33m	**2.050m**	14.28F	2.050m	Below Bridge
Hanlon Street			6.35R	0.000m	
Marburg DT	3.5m	**1.800m**	1.7F	1.800m	Below Bridge
Rosewood DT			0.25S	0.000m	
Upper Woogaroo			11.15R	0.000m	
O'Possum Ck			22.75R	0.000m	
Wivenhoe TW			39.53R	0.000m	
Savages Xing			13.61R	0.000m	
Burtons Bridge	19.84m	**9.300m**	10.54R	9.300m	Below Bridge
Kholo Bridge	11.9m	**6.120m**	18.02R	6.120m	Over Bridge
Mt Crosby Weir	12.4m	**1.410m**	13.81R	1.410m	Over Bridge
Colleges Xing	3.4m	**7.910m**	11.31R	7.910m	Over Bridge

Infrastructure Update:

Tthe following local roads have been closed due to localised flooding;

- Ivan lane Ironbark
- Schultz's Road ironbark
- Haigslea Kalabar Road
- Ebenezer Road
- Rosewood Warrill view Road, Rosewood
- Rosewood Laidley rd Grandchester
- Strongs bridge closed
- 5 Mile Bridge closed
- 7 mile Bridge closed
- Riverside Drive, Kholo
- Redbank Plains Rd @ Cricket Club (Six Mile Creek)
- Ipswich Boonah Rd

- Ripley Rd going into Scenic Rim
- Cedar Rd, Redbank Plains
- Jones & Harris St, Bellbird Park (water over road)

The following Bridges have been closed on the Brisbane River, due to Wivenhoe Dam Release and flows from Lockyer Catchment.

- Brisbane Valley Highway
- Kholo Bridge
- Mt Crosby Weir
- Colleges Crossing

Community Update:

Due to the continuing rising water levels at Colleges Crossing due to the significant rainfalls in the Lockyer catchment, it has been decided to assist the residents of the Caretaker's House at Colleges in voluntary evacuation of this residence. Initial view is that they will be going to friends.

Wivenhoe Releases:

Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe Monday morning. Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 7,500m3/s and, at this stage, the dam will reach at least 73.0 m AHD during Tuesday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows is the lower Brisbane will be limited to 4,000m3/s. This is below the limit of urban damages in the City reaches.

The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day). Gate opening will start to be increased from noon Monday and the release is expected increase to at least 2,600m3/s during Tuesday morning.

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam.

Operations Update:

- At the present time, the Ipswich City Local Disaster Management Group remains at Lean Forward - Level 1 and will meet later Monday afternoon .
- Local Disaster Co-ordination centre is operational and manned by LDC.
- Road Crews are closing crossings and roads as required to ensure the safety of the public.
- We will continue to monitor the event, and will provide updated information as it becomes known.

Tony Trace

From: Tony Trace

Sent: Monday, 10 January 2011 9:13 PM

To: Trevor Nardi; Ross Drabble; Carl Wulff; Paul Pisasale; 'Brad Commens'; 'Craig Smith'; 'Mark Kelly'; [redacted] 'Steve Hompes'; [redacted]; 'Annabelle Johnstone'; 'Colin Chapman'; [redacted]; Cheryl Bromage; Tony Dileo; David Baker; Craig Maudsley; Andrew Harvey; Allan Roebuck; Business Services & Support Requests; [redacted]; Rob Hooper; Michael Thompson; Mark Sines; Annette Schoone; Brooke de Jong; [redacted]; Arie Van den Ende; Karen Gosselin; Daryl Hickey; Greg Sandry; Wayne Bichel

Cc: David Morrison; Paul Tully; Victor Attwood; Heather Morrow; Cheryl Bromage; Andrew Antoniolli; Charlie Pisasale; Sheila Ireland; David Pahlke; Jim Lindsay; John Adams

Subject: Situation Report

Attachments: Stream Heights 10-01-11 2100hrs.pdf

Current Forecast

Issued at 7:50 pm on Monday 10 January 2011

Synoptic Situation: At 7pm EST, an upper level low was located over the west of the Wide Bay and Burnett district. A surface trough was located off the east Queensland coast. The upper low is forecast to move southwest over the southern interior of Queensland while the surface trough remains slow moving.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast, Darling Downs and Granite Belt, far southern parts of the Wide Bay and Burnett and eastern parts of the Maranoa and Warrego districts this evening and overnight. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

The heavy rain areas and thunderstorms are expected to contract into the Southeast Coast and eastern parts of the Darling Downs and Granite Belt districts during Tuesday. These conditions should gradually ease later in the day.

Recent events: In the 24 hours to 9am EST Monday, Maleny received 321mm, West Bellthorpe 310 mm and Peachester 298 mm.
In the 7 hours since 9am EST Monday, Redbank Creek received 126mm, Toowoomba Airport 88mm and Mt Castle 80mm.

As a result of the proposed increased releases from Wivenhoe, the following predicted levels are:

Mt. Crosby 18.4m
Colleges Crossing 16.6m (based on the relationship between Moggill & Mt. Crosby, it is a approximate predicted)
Ipswich Gauge 12.6m

There has been little to no rain recorded across the Ipswich catchments in the last couple of hours

Infrastructure Update

The following local roads have been closed due to local flooding:
Ivan Lane, Ironbark
Schultz's Road, Ironbark
Haigslea Kalabar Road
Ebenezer Road
Rosewood Warrill View Road, Rosewood
Rosewood Laidley Road, Grandchester
Strongs Bridge closed
5 mile Bridge closed
7 mile Bridge closed
Riverside Drive Kholo
Redbank Plains Road @ Cricket Club (Six Mile Creek)
Ipswich Boonah Road
Ripley Road going into Senic Rim
Cedar Road, Redbank Plains
Jones & Harris St, Bellbird Park

The following bridges have been closed on the Brisbane River due to Wivenhoe Dam release and flows from Lockyer catchment
Brisbane Valley Highway
Kholo Bridge
Mt Crosby Weir
Colleges Crossing

Operations Update:

- At the present time, the Local Disaster Management Group remains at Lean Forward (Level 1) and will convene again at 0800hrs Tuesday 11th January.
- Local Disaster Co-ordination Centre is still operational and manned by LDC
- Road Crews are continuing to close crossings and roads as required for the continuing public safety.
- The monitoring of the event and updated information will be provided.
- Communication to community.

BOM EMAILS		
No.	**Date.**	**Description**
1.	9:48am 7 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
2.	5:20pm 7 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
3.	3:39pm 11 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
4.	4:05pm 11 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
5.	5:06pm 11 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
6.	6:09pm 11 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
7.	6:48pm 11 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
8.	6:52pm 11 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
9.	3:18pm 12 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
10.	5:44pm 12 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
11.	7:23pm 13 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
12.	7:33pm 13 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
13.	11:34pm	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary

	13 Dec 10	
14.	10:42am 14 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
15.	12:48pm 14 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
16.	3:53pm 14 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
17.	4:28pm 14 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
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19.	5:39pm 14 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
20.	6:03pm 14 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
21.	6:43pm 14 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
22.	6:52pm 14 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
23.	6:53pm 14 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
24.	7:22pm 14 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
25.	10:02am 15 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
26.	2:19pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
27.	3:14pm	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1

	15 Dec 10	
28.	3:52pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
29.	4:11pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
30.	4:58pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
31.	5:44pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
[illegible]	6:45pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
33.	6:55pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
34.	6:59pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
35.	7:46pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
36.	8:13pm 15 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
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38.	11:41am 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
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40.	12:23 pm 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
41.	12:30pm	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1

	16 Dec 10	
42.	12:59pm 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
43.	1:14pm 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
44.	1:53pm 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
45.	2:25pm 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
46.	2:29pm 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
47.	2:54pm 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
48.	3:19pm 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
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60.	10:01pm 16 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
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72.	5:46pm 17 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
73.	6:17pm 17 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
7[illegible]	6:56pm 17 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
75.	7:32pm 17 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
76.	8:39pm 17 Dec 10	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
77.	11:24am 18 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
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105.	8:13am 24 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
106.	8:30am 24 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
107.	9:07am 24 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
108.	11:12am 24 Dec 10	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
109.	4:45pm 24 Dec 10	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
110.	7:58am 25 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
111.	10:17am	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary

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112.	1:21pm 25 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
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114.	4:10pm 25 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
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118.	11:19pm 25 Dec 10	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
119.	4:45am 26 Dec 10	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
120.	6:51am 26 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
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126.	6:24pm 26 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
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131.	10:14am 27 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
132.	11:01am 27 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
133.	11:41am 27 Dec 10	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
134.	11:45am 27 Dec 10	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
135.	2:30pm 27 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
136.	4:18pm 27 Dec 10	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
137.	4:21pm 27 Dec 10	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
138.	5:58pm 27 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
139.	9:24pm	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs

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140.	1:01am 28 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
141.	5:36am 28 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
142.	7:33am 28 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
143.	10:53am 28 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
1	12:04pm 28 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
145.	12:11pm 28 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
146.	7:52pm 28 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
147.	6:49am 29 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
148.	8:20am 29 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
149.	2:39pm 29 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
150.	8:00pm 29 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
151.	6:10am 30 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
152.	7:24am 30 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
153.	2:56pm	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary

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154.	3:07pm 30 Dec 10	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
155.	3:11pm 30 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
156.	8:56am 31 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
157.	6:52pm 31 Dec 10	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
158.	8:47am 1 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
159.	7:13pm 2 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
160.	12:15pm 3 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
161.	12:48pm 3 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
162.	1:09pm 3 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
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168.	6:30pm 3 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
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180.	10:46am 6 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
181.	10:47am	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs

	6 Jan 11	
182.	10:58am 6 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
183.	2:28pm 6 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
184.	3:26pm 6 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
185.	4:50pm 6 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
186.	5:25pm 6 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
187.	5:28pm 6 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
188.	9:33pm 6 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
189.	10:54pm 6 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
190.	5:25am 7 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
191.	7:15am 7 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
192.	8:26am 7 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
193.	11:25am 7 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
194.	12:22pm 7 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
195.	3:32pm	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1

	7 Jan 11	
196.	3:37pm 7 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
197.	4:25pm 7 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
198.	7:37pm 7 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
199.	10:50pm 7 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
2[illegible]	4:52am 8 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
201.	9:06am 8 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
202.	10:44am 8 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
203.	11:00am 8 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
204.	4:21pm 8 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
205.	5:12pm 8 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
206.	10:19pm 8 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
207.	4:40am 9 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
208.	9:14am 9 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
209.	10:54am	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1

	9 Jan 11	
210.	11:08am 9 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
211.	1:58pm 9 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
212.	2:51pm 9 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
213.	4:55pm 9 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
214.	10:56pm 9 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
215.	10:58pm 9 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
216.	12:36am 10 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
217.	4:58am 10 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
218.	10:28am 10 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
219.	11:02am 10 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
220.	11:04am 10 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
221.	11:41am 10 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
222.	4:17pm 10 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
223.	5:06pm	Email from Aifs Operational Manager re BOM: 5evere Weather Warning 1

	10 Jan 11	
224.	6:13pm 10 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
225.	6:30pm 10 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
226.	7:51pm 10 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
227.	9:44pm 10 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
2[illegible]	10:57pm 10 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
229.	12:07am 11 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
230.	12:39am 11 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
231.	4:07am 11 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
232.	5:04am 11 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
233.	7:41am 11 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
234.	7:59am 11 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
235.	9:29am 11 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
236.	10:59am 11 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
237.	1:59pm	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1

	11 Jan 11	
238.	3:24pm 11 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
239.	5:00pm 11 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
240.	8:06pm 11 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
241.	10:00pm 11 Jan 11	Email from Aifs Operational Manager re BOM: Severe Weather Warning 1
242.	12:19am 12 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
243.	4:03am 12 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
244.	7:21am 12 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
245.	7:34am 12 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
246.	7:57am 12 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
247.	11:57am 12 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
248.	4:30pm 12 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
249.	8:12pm 12 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
250.	12:28am 13 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
251.	3:53am	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs

	13 Jan 11	
252.	7:36am 13 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
253.	8:41am 13 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
254.	10:57am 13 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
255.	12:57pm 13 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
2[illegible]	3:05pm 13 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
257.	5:42pm 13 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
258.	10:07pm 13 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
259.	6:22am 14 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
260.	7:10am 14 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
261.	8:36am 14 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
262.	1:24pm 14 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
263.	5:05pm 14 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
264.	7:25pm 14 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
265.		Misc page- second page of email located in the bundle after 7:25pm 14 Jan 11 but before 8:16am 15 Jan 11

266.	8:17pm 14 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
267.	8:16am 15 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
268.	11:31am 15 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
269.	1:39pm 15 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
270.	6:17pm 15 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
271.	6:36pm 15 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
272.	7:22am 16 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
273.	10:58am 16 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
274.	7:34am 17 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
275	8:24am 17 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
276.	3:28pm 17 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
277.	6:43pm 17 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
278.	8:36am 18 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
279.	10:51am 18 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary

280.	12:49pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
281.	1:23pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
282.	1:57pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
283.	2:32pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
284.	2:54pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
285.	3:05pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
286.	3:41pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
287.	3:48pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
288.	4:17pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
289.	4:19pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
290.	4:43pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
291.	5:29pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
292.	6:57pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
293.	11:11pm 18 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary

294.	8:18am 19 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
295.	10:30am 19 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
296.	11:04am 19 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
297.	3:27pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
298.	3:47pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
299.	4:28pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
300.	4:37pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
301.	4:48pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
302.	5:26pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
303.	5:55pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
304.	6:13pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
305.	6:16pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
306.	6:22pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
307.	7:09pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1

308.	7:26pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
309.	7:39pm 19 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
310.	8:05pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
311.	8:36pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
312.	8:40pm 19 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
313.	9:14pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
314.	10:41pm 19 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
315.	10:54pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
316.	11:34pm 19 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
317.	11:44pm 19 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
318.	1:06am 20 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
319.	7:33am 20 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
320.	7:57am 20 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
321.	9:46am 20 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary

322.	11:55am 20 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
323.	12:54pm 20 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
324.	1:50pm 20 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
325.	2:19pm 20 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
326.	2:24pm 20 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
327.	2:55pm 20 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
328.	3:54pm 20 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
329.	4:32pm 20 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
330.	4:49pm 20 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
331.	5:11pm 20 Jan 11	Email from Aifs Operational Manager re BOM: Severe Thunderstorm Warning- SE Qld 1
332.	5:55pm 20 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
333.	6:51am 21 Jan 11	Email from Aifs Operational Manager re BOM: FLDWARN for Lower Brisbane and Bremer Rs
334.	8:45am 21 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary
335.	4:56pm 21 Jan 11	Email from Aifs Operational Manager re BOM: Queensland Flood Warning Summary

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 7 December 2010 9:48 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 9:48 AM on Tuesday the 7th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE PAROO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Renewed rises and minor flooding occurring at Diamantina Lakes. Minor flood levels remain steady downstream at Monkira.

Warrego River: Minor flooding easing on the Ward and Warrego Rivers.

Moonie River: Minor flooding nearing a peak in the Nindigully area.

Border Rivers: Minor flooding easing on Macintyre Brook at Inglewood Weir.

Ipswich Creeks & Bremer River: Some small renewed rises prolonging minor flooding on Laidley and Warrill Creeks and on the Bremer River upstream of Ipswich.

Sunshine Coast and Hinterland: Moderate flooding continues at Jordan St on the Mooloolah River and at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 7 December 2010 5:20 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 5:19 PM on Tuesday the 7th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Renewed rises and minor flooding occurring at Diamantina Lakes. Minor flood levels remain steady downstream at Monkira.

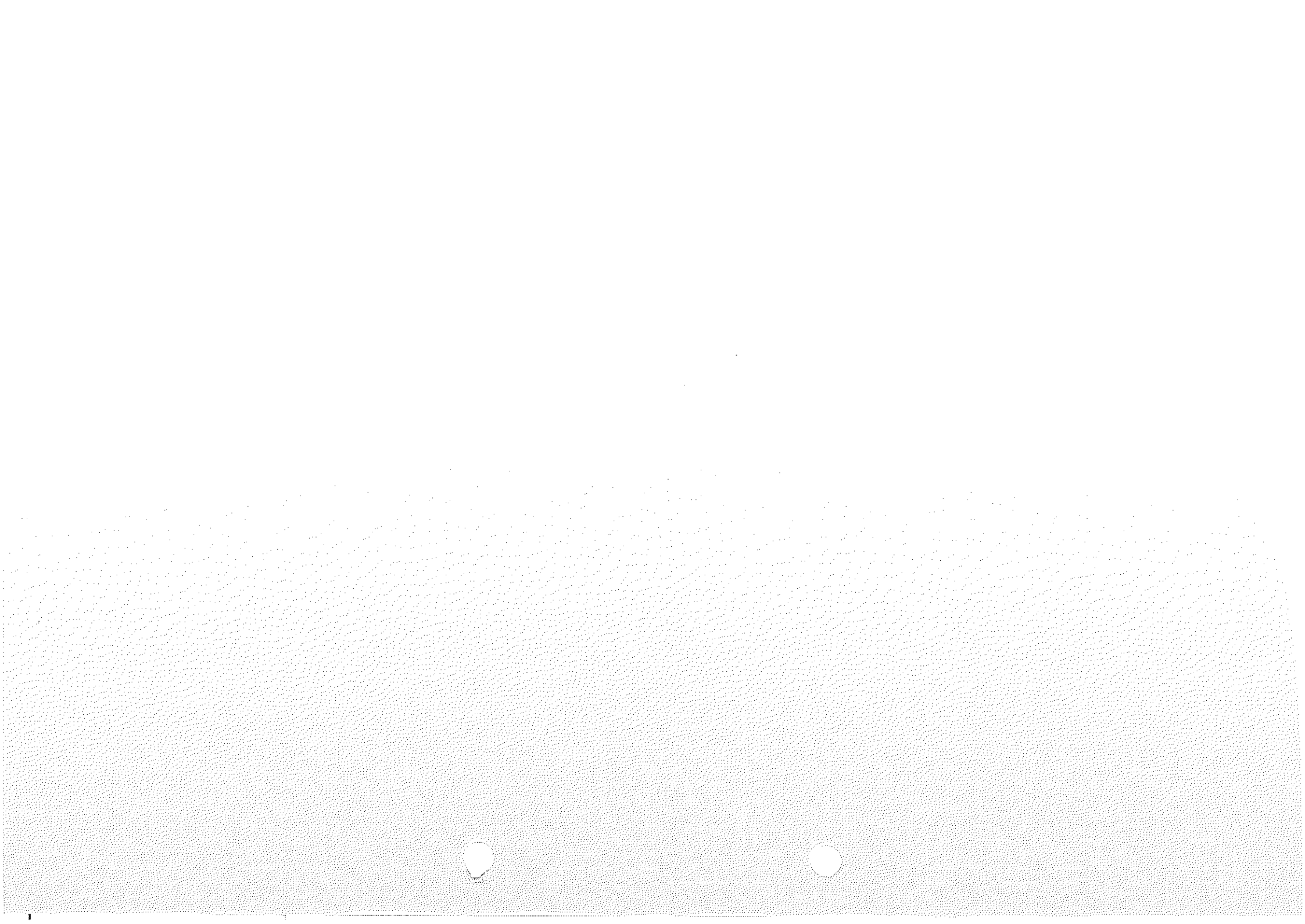
Moonie River: Minor flooding nearing a peak in the Nindigully area.

Ipswich Creeks & Bremer River: Some small renewed rises prolonging minor flooding on Laidley and Warrill Creeks and on the Bremer River upstream of Ipswich.

Sunshine Coast and Hinterland: Moderate flooding continues at Jordan St on the Mooloolah River and at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 11 December 2010 3:39 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in the BRISBANE CITY, REDLAND and parts of the GOLD COAST CITY, LOGAN CITY, MORETON BAY and SOMERSET Council Areas.

Issued at 3:37 pm Saturday, 11 December 2010.

Severe thunderstorms are likely to produce very heavy rainfall and flash flooding in the warning area over the next several hours.

Locations which may be affected include Brisbane CBD, Logan City, Cleveland, Strathpine, Redcliffe and Dayboro.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:40 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3822

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 11 December 2010 4:05 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in the MORETON BAY, REDLAND and parts of the BRISBANE CITY, GOLD COAST CITY, LOGAN CITY, SUNSHINE COAST, SOMERSET and SOUTH BURNETT Council Areas.

Issued at 4:03 pm Saturday, 11 December 2010.

Severe thunderstorms are likely to produce very heavy rainfall and flash flooding in the warning area over the next several hours.

Locations which may be affected include Brisbane CBD, Cleveland, Strathpine, Redcliffe, Caboolture and Kilcoy.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:05 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 11 December 2010 5:06 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in the MORETON BAY and parts of the BRISBANE CITY, GYMPIE, SUNSHINE COAST, SOMERSET, SOUTH BURNETT and REDLAND Council Areas.

Issued at 5:04 pm Saturday, 11 December 2010.

Severe thunderstorms are likely to produce very heavy rainfall and flash flooding in the warning area over the next several hours.

Locations which may be affected

include Redcliffe, Caboolture, Kilcoy and Strathpine.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:05 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 11 December 2010 6:09 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in the SUNSHINE COAST and parts of the GYMPIE, MORETON BAY and SOMERSET Council Areas.

Issued at 6:07 pm Saturday, 11 December 2010.

Severe thunderstorms are likely to produce very heavy rainfall and flash flooding in the warning area over the next several hours.

Locations which may be affected include Bribie Island, Beerwah, Maleny, Maroochydore, and Caloundra.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:10 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 11 December 2010 6:48 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 6:47 pm Saturday, 11 December 2010.

The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 11 December 2010 6:52 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:51 PM on Saturday the 11th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO THE NSW BORDER FLOOD WARNING FOR THE BALONNE RIVER FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER PRELIMINARY FLOOD WARNING FOR MACINTYRE RIVER AND TRIBUTARIES

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Moonie River: Minor flooding remains steady in the Nindigully area.

Macintyre River: Minor flooding rising at Terrewah.

Burdekin River: Minor flooding easing on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3706

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 12 December 2010 3:18 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 3:17 PM on Sunday the 12th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO BRISBANE FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE KOLAN RIVER FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Minor flooding is rising in the Southwood area.

Macintyre River: Moderate flooding is occurring at Terrewah.

Burnett River: Major flooding is rising on the Degilbo Creek at Coringa. Minor flooding is rising on the Boyne River at Derra.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 12 December 2010 5:44 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 5:43 PM on Sunday the 12th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BOYNE, BARAMBAH AND LOWER BURNETT CATCHMENTS FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO BRISBANE FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE KOLAN RIVER FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Minor flooding is rising in the Southwood area.

Macintyre River: Moderate flooding is occurring at Terrewah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 13 December 2010 7:23 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in parts of the LOCKYER VALLEY, IPSWICH CITY, SOUTHERN DOWNS and SCENIC RIM Council Areas.

Issued at 7:22 pm Monday, 13 December 2010.

The Bureau of Meteorology warns that, at 7:25 pm, severe thunderstorms were detected on weather radar near Cunninghams Gap. These thunderstorms are slow moving. Very heavy rainfall and flash flooding are likely.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 8:25 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 13 December 2010 7:33 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in parts of the LOCKYER VALLEY, IPSWICH CITY, SOUTHERN DOWNS, SCENIC RIM and TOOWOOMBA Council Areas.

Issued at 7:32 pm Monday, 13 December 2010.

The Bureau of Meteorology warns that, at 7:35 pm, severe thunderstorms were detected on weather radar near Allora and Cunninghams Gap. These thunderstorms are slow moving. Very heavy rainfall and flash flooding are likely.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 8:35 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 13 December 2010 11:34 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:33 PM on Monday the 13th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR FLINDERS RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR WEIR RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Moderate flooding nearing a peak at Southwood. Minor flooding continues downstream in the Nindigully area.

Macintyre River: Minor flooding easing at Terrewah.

Sunshine Coast: Isolated moderate flooding continues on Paynter Creek at Diddillibah and on the Mooloolah River at Jordan Street.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns.
Minor flooding rising on the the Bowen River at Myuna.

Gregory River: Minor flooding at Burrum Highway.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3703



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 10:42 AM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:41 AM on Tuesday the 14th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER
BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING
FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Moderate flooding nearing a peak at Southwood. Minor flooding continues downstream in the Nindigully area.

Macintyre River: Minor flooding at Bengalla, Kildonan and Goondiwindi.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns.

Warrill Creek: Moderate flooding at Harrisville.

Flinders River: Minor flood levels falling at Richmond.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 12:48 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 12:47 PM on Tuesday the 14th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR BURNETT CATCHMENT
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER
BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD
WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE
WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Macintyre River: Minor flooding at Bengalla, Kildonan and Goondiwindi.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns.

Warrill Creek: Moderate flooding at Harrisville.

Flinders River: Minor flood levels falling at Richmond.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/
. Flood Warnings are also available on telephone 1300 659 219 at a low call cost of
27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 3:53 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 3:52 PM on Tuesday the 14th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER
BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD
WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Macintyre River: Minor flooding at Bengalla, Kildonan and Goondiwindi.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns.

Warrill Creek: Minor flooding at Harrisville and Churchbank Weir.

Flinders River: Minor flood levels falling at Richmond.

Mary River: Minor flooding between Gympie and Home Park.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/
. Flood Warnings are also available on telephone 1300 659 219 at a low call cost of
27.5 cents, more from mobile, public and satellite phones.

ICC.005.3700

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 4:28 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in the IPSWICH CITY and parts of the BRISBANE CITY, LOCKYER VALLEY, MORETON BAY, SCENIC RIM and SOMERSET Council Areas.

Issued at 4:27 pm Tuesday, 14 December 2010.

The Bureau of Meteorology warns that, at 4:25 pm, severe thunderstorms were detected on weather radar near Rosewood and Amberley.

These thunderstorms are moving towards the north.

They are forecast to affect Marburg by 4:55 pm and Highvale by 5:25 pm.

Very heavy rainfall and flash flooding are likely.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:30 pm.

A more general severe thunderstorm warning is also current for parts of the Herbert and Lower Burdekin and Central Coast and Whitsundays districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 5:21 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the BRISBANE CITY, MORETON BAY and SOMERSET Council Areas.

Issued at 5:20 pm Tuesday, 14 December 2010.

The Bureau of Meteorology warns that, at 5:25 pm, severe thunderstorms were detected on weather radar near the D'Aguilar Ranges and southern Lake Wivenhoe.
These thunderstorms are moving towards the north. They are forecast to affect Esk by 5:55 pm and Lake Somerset by 6:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:20 pm.

A more general severe thunderstorm warning is also current for parts of the Southeast Coast district.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3814

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 5:39 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the MORETON BAY and SOMERSET Council Areas.

Issued at 5:38 pm Tuesday, 14 December 2010.

The Bureau of Meteorology warns that, at 5:35 pm, severe thunderstorms were detected on weather radar near northern Lake Wivenhoe. These thunderstorms are moving towards the north. They are forecast to affect Lake Somerset by 6:05 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:40 pm.

A more general severe thunderstorm warning is also current for parts of the Wide Bay and Burnett and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 6:03 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 6:02 pm Tuesday, 14 December 2010.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe]. The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3812

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 6:43 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY, SOMERSET and TOOWOOMBA Council Areas.

Issued at 6:41 pm Tuesday, 14 December 2010.

The Bureau of Meteorology warns that, at 6:45 pm, severe thunderstorms were detected on weather radar near Helidon.

These thunderstorms are moving towards the north.

They are forecast to affect the area north of Gatton by 7:15 pm and the area southwest of Esk by 7:45 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:45 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 6:52 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY, SOMERSET, SOUTH BURNETT and TOOWOOMBA Council Areas.

Issued at 6:51 pm Tuesday, 14 December 2010.

The Bureau of Meteorology warns that, at 6:50pm, severe thunderstorms were detected on weather radar northeast of Toowoomba. Thunderstorms are moving towards the north. They are forecast to affect Hampton by 7:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:50 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 6:53 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY, SOMERSET and TOOWOOMBA Council Areas.

Issued at 6:52 pm Tuesday, 14 December 2010.

Thunderstorms are moving towards the north.

They are forecast to affect Hampton by 7:25 pm and the area west of Toogoolawah by 7:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:55 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 14 December 2010 7:22 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 7:21 pm Tuesday, 14 December 2010.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe].

The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 10:02 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:01 AM on Wednesday the 15th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER
BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD
WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding rising slowly at Diamantina Lakes.

Macintyre River: Minor flooding occurring in the Goondiwindi area, between Kildonen and Terrewah.

Bremer River: Minor flooding occurring between Rosewood and the Five Mile Bridge at Walloon.

Mary River: Minor flooding easing at Home Park.

Burnett River: Minor flooding easing on Three Moon Ck at Abercorn, on the Boyne River at Derra, and on the Burnett River at Marriages.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 2:19 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the GOLD COAST CITY, GYMPIE, SUNSHINE COAST and SCENIC RIM Council Areas.

Issued at 2:18 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 2:25 pm, severe thunderstorms were detected on weather radar near the area south of Gympie, Border Ranges National Park, and Goomboorian. These thunderstorms are moving towards the northeast.
They are forecast to affect the area east of Gympie, Rathdowney and Kin Kin by 2:55 pm and Toolara, Tin Can Bay, and Inskip Point by 3:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:20 pm.

A more general severe thunderstorm warning is also current for parts of the Wide Bay and Burnett and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 3:14 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the GOLD COAST CITY, LOGAN CITY and SCENIC RIM Council Areas.

Issued at 3:13 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 3:15 pm, severe thunderstorms were detected on weather radar near Rathdowney. These thunderstorms are moving towards the north. They are forecast to affect Laravale, Kooralbyn and Canungra by 3:45 pm and Boonah, Beaudesert, the area between Boonah and Beaudesert and Mount Tamborine by 4:15 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:15 pm.

A more general severe thunderstorm warning is also current for parts of the Wide Bay and Burnett and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 3:52 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOGAN CITY, REDLAND and parts of the BRISBANE CITY, GOLD COAST CITY and SCENIC RIM Council Areas.

Issued at 3:51 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 3:55 pm, severe thunderstorms were detected on weather radar near Mount Tamborine. These thunderstorms are moving towards the northeast. They are forecast to affect Beenleigh, Coomera, Jimboomba and Logan Village by 4:25 pm and Logan City, Cleveland, Ormiston and Camp Hill by 4:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:55 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 4:11 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the BRISBANE CITY, REDLAND and parts of the GOLD COAST CITY, LOGAN CITY, MORETON BAY and SCENIC RIM Council Areas.

Issued at 4:10 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 4:10 pm, very dangerous thunderstorms were detected on weather radar near Tamborine and Logan Village. These thunderstorms are moving towards the north. Very dangerous thunderstorms are forecast to affect Beenleigh, Logan City, Ormiston and Camp Hill by 4:40 pm and Cleveland, Redcliffe, Mud Island and Sandgate by 5:10 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:10 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 4:58 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the BRISBANE CITY, MORETON BAY, SUNSHINE COAST and REDLAND Council Areas.

Issued at 4:57 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 5:00 pm, very dangerous thunderstorms were detected on weather radar near Camp Hill, Manly and Wynnum. Very dangerous thunderstorms are forecast to affect Mud Island, Boondall, Sandgate and Brighton by 5:30 pm and Redcliffe, Deception Bay waters, Beachmere and Bribie Island by 6:00 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Hail between golf and tennis ball size has been reported from the Logan and Bethania areas during the last hour.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:00 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 5:44 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES

Issued at 5:42 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 5:40 pm, severe thunderstorms were detected on weather radar in Moreton Bay. Thunderstorms are moving towards the north. They are forecast to affect Tangalooma, northern Moreton Bay, northern Moreton Island, and Comboyuro Point by 6:15 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Hail between golf and tennis ball size was been reported from the Logan and Bethania areas earlier this afternoon.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:40 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 6:45 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the BRISBANE CITY and parts of the MORETON BAY, IPSWICH CITY and REDLAND Council Areas.

Issued at 6:43 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 6:50 pm, severe thunderstorms were detected on weather radar near Ipswich. These thunderstorms are moving towards the northeast. They are forecast to affect Wacol and Archerfield by 7:20 pm and Brisbane CBD, Enoggera Reservoir and Enoggera by 7:50 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:45 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 6:55 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the BRISBANE CITY, MORETON BAY and IPSWICH CITY Council Areas.

Issued at 6:54 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 6:55 pm, severe thunderstorms were detected on weather radar near Ipswich. These thunderstorms are moving towards the northeast. They are forecast to affect Mount Nebo, Highvale and Samford by 7:25 pm and Strathpine, Albany Creek and Lake Samsonvale by 7:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:55 pm.

A more general severe thunderstorm warning is also current for parts of the Wide Bay and Burnett and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 6:59 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the BRISBANE CITY, MORETON BAY and IPSWICH CITY Council Areas.

Issued at 6:58 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 6:55 pm, severe thunderstorms were detected on weather radar near Ipswich. These thunderstorms are moving towards the northeast. They are forecast to affect Mount Nebo, Highvale and Samford by 7:25 pm and Strathpine, Albany Creek and Lake Samsonvale by 7:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:55 pm.

A more general severe thunderstorm warning is also current for parts of the Wide Bay and Burnett and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 7:46 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the BRISBANE CITY and MORETON BAY Council Areas.

Issued at 7:45 pm Wednesday, 15 December 2010.

The Bureau of Meteorology warns that, at 7:50 pm, severe thunderstorms were detected on weather radar near Strathpine and Albany Creek. These thunderstorms are moving towards the north. They are forecast to affect Lake Samsonvale, Kallangur and Narangba by 8:20 pm and Caboolture, Burpengary and Beachmere by 8:50 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 8:45 pm.

A more general severe thunderstorm warning is also current for parts of the Wide Bay and Burnett and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 15 December 2010 8:13 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

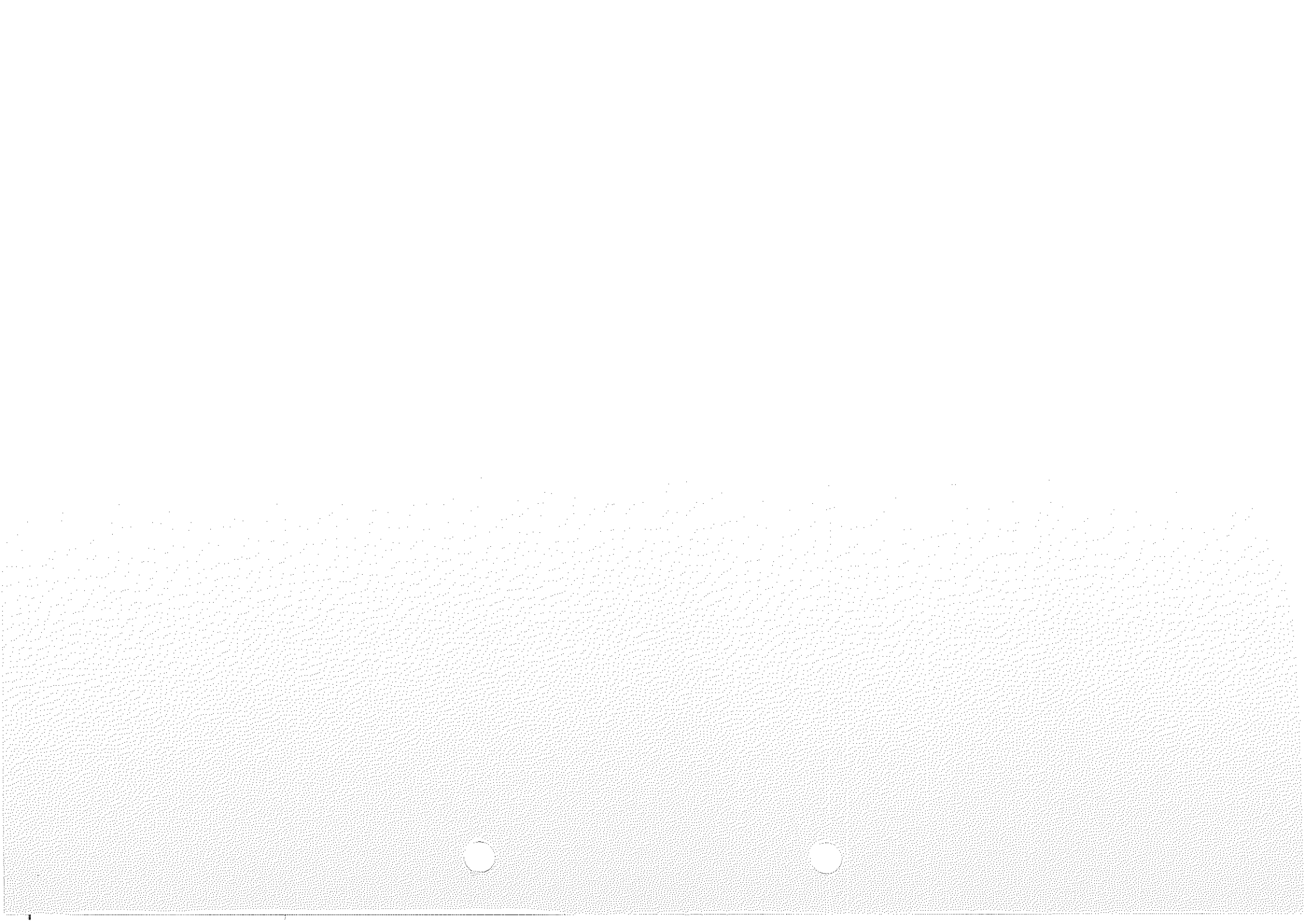
Issued at 8:11 pm Wednesday, 15 December 2010.

The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for parts of the Wide Bay and Burnett district.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.



Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 11:31 AM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING and LARGE HAILSTONES For people in the SCENIC RIM and parts of the GOLD COAST CITY, LOGAN CITY and SOUTHERN DOWNS Council Areas.

Issued at 11:30 am Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 11:35 am, severe thunderstorms were detected on weather radar near Killarney and the area south of the NSW border.
These thunderstorms are moving towards the northeast. They are forecast to affect Mount Barney, Maroon Dam and the area south of Cunninghams Gap by 12:05 pm and Rathdowney, Laravale and Kooralbyn by 12:35 pm.

Very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 12:30 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 11:41 AM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the SCENIC RIM and parts of the GOLD COAST CITY, LOGAN CITY and SOUTHERN DOWNS Council Areas.

Issued at 11:40 am Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 11:45 am, severe thunderstorms were detected on weather radar near the NSW border and the area south of the NSW border.

These thunderstorms are moving towards the northeast.

They are forecast to affect Border Ranges National Park, Mount Barney and Maroon Dam by 12:15 pm and Boonah, Laravale and Kooralbyn by 12:45 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 12:40 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Ajfs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 11:48 AM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the GOLD COAST CITY and SCENIC RIM Council Areas.

Issued at 11:47 am Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 11:55 am, severe thunderstorms were detected on weather radar near Mount Barney, the area south of the NSW border and the NSW border.

These thunderstorms are moving towards the east.

They are forecast to affect Border Ranges National Park and Rathdowney by 12:25 pm and Numinbah Valley, Little Nerang Dam and Laravale by 12:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 12:50 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 12:23 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the GOLD COAST CITY, LOGAN CITY, SCENIC RIM and parts of the LOCKYER VALLEY, IPSWICH CITY and SOUTHERN DOWNS Council Areas.

Issued at 12:22 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 12:25 pm, severe thunderstorms were detected on weather radar near Aratula, Rosevale, Rathdowney and Moogerah.

These thunderstorms are moving towards the east.

They are forecast to affect Boonah, the area between Boonah and Beaudesert and Peak Crossing by 12:55 pm and Coolangatta, Beaudesert and Greenbank by 1:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 1:25 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 12:30 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the GOLD COAST CITY, LOGAN CITY, SCENIC RIM and parts of the BRISBANE CITY, LOCKYER VALLEY, MORETON BAY, IPSWICH CITY, SOUTHERN DOWNS, SOMERSET and TOOWOOMBA Council Areas.

Issued at 12:29 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 12:35 pm, severe thunderstorms were detected on weather radar near Rosevale, northern Lake Wivenhoe, Moogerah, Murwillumbah [NSW], the area south of the NSW border, Clifton and the McPherson Range. These thunderstorms are moving towards the east to northeast. They are forecast to affect Coolangatta, Boonah and Beaudesert by 1:05 pm and Logan City, the area south of Toowoomba and Dayboro by 1:35 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 1:30 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 12:59 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the BRISBANE CITY, GOLD COAST CITY, LOCKYER VALLEY, LOGAN CITY, IPSWICH CITY, SCENIC RIM and parts of the MORETON BAY, SOUTHERN DOWNS, SOMERSET, TOOWOOMBA and REDLAND Council Areas.

Issued at 12:57 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 1:05 pm, severe thunderstorms were detected on weather radar near Boonah, Beaudesert, the area between Boonah and Beaudesert, the area south of Toowoomba and the area north of Warwick. These thunderstorms are moving towards the east to northeast. They are forecast to affect Ipswich, the area east of Warwick, the area northeast of Warwick and Helidon by 1:35 pm and Beenleigh, Logan City, Laidley and Gatton by 2:05 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 2:00 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 1:14 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the BRISBANE CITY, LOCKYER VALLEY, LOGAN CITY, IPSWICH CITY, REDLAND and parts of the GOLD COAST CITY, MORETON BAY, SCENIC RIM, SOMERSET and TOOWOOMBA Council Areas.

Issued at 1:13 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 1:15 pm, severe thunderstorms were detected on weather radar near the area south of Toowoomba, the area southwest of Toowoomba, Bundamba Lagoon, Enoggera Reservoir and Rosevale.

These thunderstorms are moving towards the east to northeast.

They are forecast to affect Brisbane CBD, Ipswich, Gatton and Toowoomba by 1:45 pm and Beenleigh, Logan City, Laidley and southern waters of Moreton Bay by 2:15 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 2:15 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 1:53 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the BRISBANE CITY, LOGAN CITY, MORETON BAY, REDLAND and parts of the GOLD COAST CITY, IPSWICH CITY, SUNSHINE COAST, SCENIC RIM and SOMERSET Council Areas.

Issued at 1:52 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 1:55 pm, severe thunderstorms were detected on weather radar near Brisbane CBD, Ipswich, Beenleigh and Logan City.
These thunderstorms are moving towards the east to northeast. They are forecast to affect Cleveland, Strathpine, Redcliffe and Crohamhurst by 2:25 pm and Caboolture, Caloundra, the area southwest of Caloundra and northern Bribie Island by 2:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley and 80km/hr have been observed at Archerfield and Applethorpe.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 2:50 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 2:25 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the MORETON BAY and parts of the BRISBANE CITY and SUNSHINE COAST Council Areas.

Issued at 2:24 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 2:25 pm, severe thunderstorms were detected on weather radar near Brisbane CBD, Strathpine, Beerwah, Peachester and Mount Beerwah. These thunderstorms are moving towards the east to northeast.
They are forecast to affect Redcliffe, Caboolture, Caloundra and waters off Caloundra by 2:55 pm and Comboyuro Point, waters off Bribie Island, Beerburrum and northern Bribie Island by 3:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley and 80km/hr have been observed at Archerfield and Applethorpe.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:25 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 2:29 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the MORETON BAY, REDLAND and parts of the BRISBANE CITY, GOLD COAST CITY, LOCKYER VALLEY, LOGAN CITY, SUNSHINE COAST, SOMERSET and TOOWOOMBA Council Areas.

Issued at 2:28 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 2:25 pm, severe thunderstorms were detected on weather radar near Brisbane CBD, Toowoomba, Cleveland, Strathpine and Beerburrum.

These thunderstorms are moving towards the east to northeast.

They are forecast to affect Redcliffe, Caboolture, Caloundra and the area southwest of Caloundra by 2:55 pm and Esk, the area south of Esk, the area west of Esk and waters off Caloundra by 3:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley and 80km/hr have been observed at Archerfield and Applethorpe.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:30 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 2:54 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the MORETON BAY and parts of the BRISBANE CITY, LOCKYER VALLEY, SUNSHINE COAST, SOMERSET and TOOWOOMBA Council Areas.

Issued at 2:53 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 2:55 pm, severe thunderstorms were detected on weather radar near Redcliffe, Caboolture, the area north of Toowoomba, the area southwest of Esk and the area northwest of Toowoomba.

These thunderstorms are moving towards the northeast.

They are forecast to affect Esk, the area west of Esk, the area northwest of Esk and the area southwest of Caloundra by 3:25 pm and Caloundra, waters off Caloundra, waters off Maroochydore and Lake Somerset by 3:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley and 80km/hr have been observed at Archerfield and Applethorpe.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:55 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 3:19 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the MORETON BAY and parts of the BRISBANE CITY, LOCKYER VALLEY, SUNSHINE COAST, SOMERSET and TOOWOOMBA Council Areas.

Issued at 3:18 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 3:15 pm, severe thunderstorms were detected on weather radar near Maroochydore, Esk, Caboolture, waters off Maroochydore and southern Moreton Island. These thunderstorms are moving towards the northeast. They are forecast to affect the area northwest of Esk, Lake Somerset, northern Bribie Island and Coolum Beach by 3:45 pm and the area southwest of Caloundra, waters off Caloundra, the area south of Noosa Heads and Beerwah by 4:15 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley at 1:26pm and Redland Bay at 2:20pm, 80km/hr have been observed at Archerfield at 1:48pm, Redcliffe at 2:30pm and Applethorpe at 10:42am.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:15 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 3:28 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the MORETON BAY and parts of the LOCKYER VALLEY, SUNSHINE COAST, SOMERSET and TOOWOOMBA Council Areas.

Issued at 3:27 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 3:25 pm, severe thunderstorms were detected on weather radar near Maroochydore, Esk, Kilcoy, Caloundra, Tangalooma and the area north of Toowoomba.

These thunderstorms are moving towards the east to northeast.

They are forecast to affect Caboolture, the area west of Esk, the area northwest of Esk and Coolum Beach by 3:55 pm and the area south of Noosa Heads, Mount Beerwah, Beerwah and Peachester by 4:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley at 1:26pm and Redland Bay at 2:20pm, 80km/hr have been observed at Archerfield at 1:48pm, Redcliffe at 2:30pm and Applethorpe at 10:42am.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:30 pm.

A more general severe thunderstorm warning is also current for the Darling Downs and Granite Belt, Southeast Coast and parts of the Wide Bay and Burnett districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 3:42 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the MORETON BAY and parts of the LOCKYER VALLEY, LOGAN CITY, SOUTHERN DOWNS, SUNSHINE COAST, SCENIC RIM and SOMERSET Council Areas.

Issued at 3:41 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 3:45 pm, severe thunderstorms were detected on weather radar near Maroochydore, Kilcoy, waters off Maroochydore, Woodford, Cunninghams Gap and Maryvale. These thunderstorms are moving towards the east to northeast. They are forecast to affect Caboolture, the area southwest of Caloundra, the area south of Noosa Heads and Coolum Beach by 4:15 pm and Boonah, Caloundra, waters off Caloundra and Palmwoods by 4:45 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley at 1:26pm and Redland Bay at 2:20pm, 80km/hr have been observed at Archerfield at 1:48pm, Redcliffe at 2:30pm and Applethorpe at 10:42am.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:40 pm.

A more general severe thunderstorm warning is also current for the Darling Downs and Granite Belt, Southeast Coast and parts of the Wide Bay and Burnett districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 4:11 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the SUNSHINE COAST and parts of the MORETON BAY and SOMERSET Council Areas.

Issued at 4:09 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 4:05 pm, severe thunderstorms were detected on weather radar near Mount Mee, Wamuran, Woodford, Mount Beerwah, Peachester and Crohamhurst.

These thunderstorms are moving towards the northeast.

They are forecast to affect Caloundra, the area southwest of Caloundra, Montville, Palmwoods, Nambour and Mapleton by 4:35 pm and Maroochydore, waters off Caloundra, waters off Maroochydore, the area south of Noosa Heads, the area southwest of Noosa Heads and Eumundi by 5:05 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley at 1:26pm and Redland Bay at 2:20pm, 80km/hr have been observed at Archerfield at 1:48pm, Redcliffe at 2:30pm and Applethorpe at 10:42am.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:10 pm.

A more general severe thunderstorm warning is also current for the Darling Downs and Granite Belt, Southeast Coast and parts of the Wide Bay and Burnett districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 4:43 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the SOUTHERN DOWNS, SUNSHINE COAST and TOOWOOMBA Council Areas.

Issued at 4:42 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 4:45 pm, severe thunderstorms were detected on weather radar near Maroochydore, waters off Maroochydore, the area south of Noosa Heads, Mapleton, Yandina, Coolum Beach and Coolmunda Dam.

These thunderstorms are moving towards the northeast.

They are forecast to affect Noosa Heads, the area southwest of Noosa Heads, waters off Noosa Heads, Leyburn, Eumundi and Tewantin by 5:15 pm and the area northwest of Warwick, the area north of Warwick, Clifton, Kincora, Felton and Pittsworth by 5:45 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley at 1:26pm and Redland Bay at 2:20pm, 80km/hr have been observed at Archerfield at 1:48pm, Redcliffe at 2:30pm and Applethorpe at 10:42am.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:45 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 5:29 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOCKYER VALLEY and parts of the GYMPIE, IPSWICH CITY, SOUTHERN DOWNS, SUNSHINE COAST and TOOWOOMBA Council Areas.

Issued at 5:28 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 5:25 pm, severe thunderstorms were detected on weather radar near the area northwest of Noosa Heads, the area north of Noosa Heads, the area southeast of Gympie, the area east of Gympie, the area northeast of Gympie, Lake Cooloola and Ellangowan.

These thunderstorms are moving towards the north to northeast.

They are forecast to affect Gympie, the area south of Toowoomba, Double Is Point, Tin Can Bay, Rainbow Beach and Wide Bay by 5:55 pm and Laidley, Gatton, Toowoomba, the area southwest of Toowoomba, the area northwest of Toowoomba and Inskip Point by 6:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley at 1:26pm and Redland Bay at 2:20pm, 80km/hr have been observed at Archerfield at 1:48pm, Redcliffe at 2:30pm and Applethorpe at 10:42am.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:30 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 5:49 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOCKYER VALLEY and parts of the GYMPIE, IPSWICH CITY, SOUTHERN DOWNS, SUNSHINE COAST, SCENIC RIM, SOMERSET and TOOWOOMBA Council Areas.

Issued at 5:48 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 5:55 pm, severe thunderstorms were detected on weather radar near Warwick, the area northwest of Warwick, the area north of Warwick, the area south of Toowoomba, the area east of Gympie and the area northeast of Gympie.

These thunderstorms are moving towards the northeast.

They are forecast to affect Toowoomba, Tin Can Bay, Rainbow Beach, Wide Bay, Inskip and Inskip Point by 6:25 pm and Laidley, Gatton, the area southwest of Esk, Mulgowie, Grandchester and Hatton Vale by 6:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of 90km/hr have been observed at Amberley at 1:26pm and Redland Bay at 2:20pm, 80km/hr have been observed at Archerfield at 1:48pm, Redcliffe at 2:30pm and Applethorpe at 10:42am.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:50 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 6:11 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the BRISBANE CITY, LOCKYER VALLEY, LOGAN CITY, IPSWICH CITY and parts of the GOLD COAST CITY, GYMPIE, MORETON BAY, SOUTHERN DOWNS, SUNSHINE COAST, SCENIC RIM, SOMERSET, TOOWOOMBA and REDLAND Council Areas.

Issued at 6:10 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 6:15 pm, severe thunderstorms were detected on weather radar near Gatton, Toowoomba, the area south of Toowoomba, the area northwest of Toowoomba, Rainbow Beach and Inskip. These thunderstorms are moving towards the east to northeast. They are forecast to affect Ipswich, Laidley, the area north of Toowoomba, the area south of Esk, the area southwest of Esk and Inskip Point by 6:45 pm and Brisbane CBD, Beenleigh, Logan City, Strathpine, Esk and the area northwest of Esk by 7:15 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of over 100km/hr have been observed at Double Island Point at 6pm, and 80km/hr gusts reported at Toowoomba at 6:06pm. Storms have has also produced golf ball size hail and falsh flooding.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:10 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 6:14 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the BRISBANE CITY, LOCKYER VALLEY, LOGAN CITY, IPSWICH CITY and parts of the GOLD COAST CITY, GYMPIE, MORETON BAY, SOUTHERN DOWNS, SUNSHINE COAST, SCENIC RIM, SOMERSET, TOOWOOMBA and REDLAND Council Areas.

Issued at 6:12 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 6:15 pm, severe thunderstorms were detected on weather radar near Gatton, Toowoomba, the area south of Toowoomba, the area northwest of Toowoomba, Rainbow Beach and Inskip. These thunderstorms are moving towards the east to northeast. They are forecast to affect Ipswich, Laidley, the area north of Toowoomba, the area south of Esk, the area southwest of Esk and Inskip Point by 6:45 pm and Brisbane CBD, Beenleigh, Logan City, Strathpine, Esk and the area northwest of Esk by 7:15 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of over 100km/hr have been observed at Double Island Point at 6pm, and 80km/hr gusts reported at Toowoomba at 6:06pm. Storms have has also produced golf ball size hail and flash flooding.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:10 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 6:41 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the SOMERSET and parts of the LOCKYER VALLEY, MORETON BAY and TOOWOOMBA Council Areas.

Issued at 6:40 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 6:40 pm, severe thunderstorms were detected on weather radar near the area north of Toowoomba, the area southwest of Esk, Highfields, Hampton, Crows Nest and the area north of Gatton.

These thunderstorms are moving towards the northeast.

They are forecast to affect Esk, the area south of Esk, the area west of Esk, the area northwest of Esk, Somerset Dam and Toogoolawah by 7:10 pm and Kilcoy, the area west of Kilcoy, Wamuran, Woodford, Moore and Mount Kilcoy by 7:40 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of over 100km/hr have been observed at Double Island Point at 6pm, and 80km/hr gusts reported at Toowoomba at 6:06pm. Storms have has also produced golf ball size hail and flash flooding.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:40 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 7:31 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the SUNSHINE COAST and parts of the GYMPIE, MORETON BAY, SOMERSET and SOUTH BURNETT Council Areas.

Issued at 7:30 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 7:35 pm, severe thunderstorms were detected on weather radar near the area west of Kilcoy, Somerset Dam, Toogoolawah, Mount Mee, Lake Somerset and Moore. These thunderstorms are moving towards the northeast. They are forecast to affect Kilcoy, Peachester, Linville, Crohamhurst, Conondale and Jimna by 8:05 pm and Maroochydore, Caloundra, the area southwest of Caloundra, waters off Caloundra, waters off Maroochydore and Imbil by 8:35 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Winds of over 100km/hr have been observed at Double Island Point at 6pm, and 80km/hr gusts reported at Toowoomba at 6:06pm. Storms have has also produced golf ball size hail and flash flooding.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 8:30 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 8:51 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 8:50 pm Thursday, 16 December 2010.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe].

The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Winds of over 100km/hr have been observed at Double Island Point at 6pm, and 80km/hr gusts reported at Toowoomba at 6:06pm. Storms have has also produced golf ball size hail and flash flooding.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 10:01 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the CHERBOURG SHIRE and parts of the GOLD COAST CITY, GYMPIE, SCENIC RIM and SOUTH BURNETT Council Areas.

Issued at 10:00 pm Thursday, 16 December 2010.

The Bureau of Meteorology warns that, at 10:00 pm, severe thunderstorms were detected on weather radar near the area northeast of Kingaroy, Cherbourg and the NSW border.

These thunderstorms are moving towards the east to northeast.

They are forecast to affect the ranges between Gympie and Murgon, Proston and Kilkivan by 10:30 pm and the area northwest of Gympie, the McPherson Range and Springbrook by 11:00 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

ıergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 11:00 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Darling Downs and Granite Belt, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Maranoa and Warrego districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 10:37 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 10:35 pm Thursday, 16 December 2010.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe].

The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Ajfs Operational Manager [redacted]
Sent: Thursday, 16 December 2010 11:02 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:01 PM on Thursday the 16th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LANGLO, WARD AND LOWER WARREGO RIVERS FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding rising slowly at Diamantina Lakes. Minor flooding rising downstream at Monkira.

Macintyre River: Minor flooding easing in the Goondiwindi area, with moderate flooding rising downstream at Terrewah.

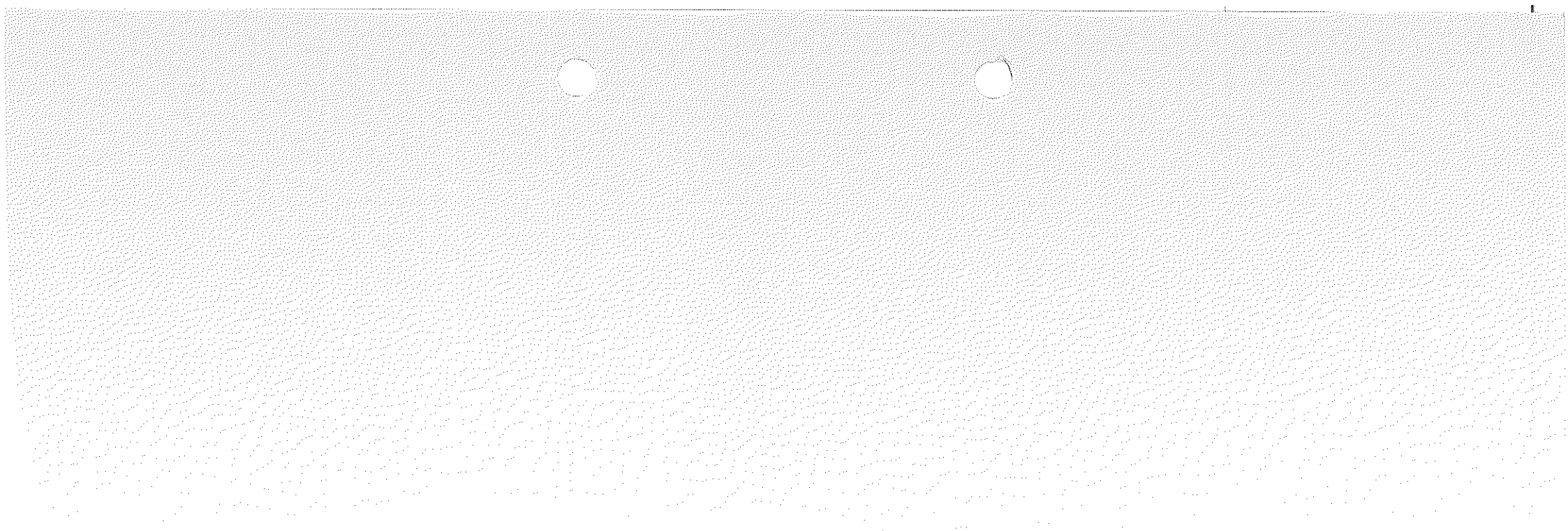
Burdekin River: Minor flooding occurring on the Belyando River at Albro and on the Suttor River at St Anns.

Maroochy Catchment: Minor flooding is rising at Yandina and at Diddillibah.

Warrill Creek: Minor flooding is rising at Harrisville and Amberley.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3698



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 10:04 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:03 AM on Friday the 17th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DAWSON AND FITZROY RIVERS FLOOD WARNING FOR THE LOWER WARREGO RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding remains steady at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding rising slowly between Giddi Giddi and Surrey.

Macintyre River: Moderate flooding approaching a peak at Terrewah.

Brisbane River: Minor flooding occurring on Warrill Creek between Harrisville and Amberley. Minor flooding occurring on the Bremer River between Rosewood and Walloon.

Maroochy Catchment: Minor flooding rising on Paynter Creek at Diddillibah, and at Jordan St on the Mooloolah River.

Burdekin River: Minor flooding occurring on the Belyando River at Albro and on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 2:33 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY, DALBY, SOMERSET and TOOWOOMBA Council Areas.

Issued at 2:31 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 2:35 pm, severe thunderstorms were detected on weather radar near the area north of Toowoomba and also in the area northwest of Dalby.. These thunderstorms are moving towards the east. They are forecast to affect the area southwest of Esk by 3:05 pm and also the area north of Dalby by 3:35 pm.

Damaging winds and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:35 pm.

A more general severe thunderstorm warning is also current for parts of the Central Highlands and Coalfields, Capricornia, Wide Bay and Burnett, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 2:44 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 2:43 PM on Friday the 17th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DAWSON AND FITZROY RIVERS FLOOD WARNING FOR THE LOWER WARREGO RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding remains steady at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding rising slowly between Giddi Giddi and Surrey.

Macintyre River: Moderate flooding approaching a peak at Terrewah.

Brisbane River: Minor flooding occurring on Warrill Creek between Harrisville and Amberley. Minor flooding occurring on the Bremer River between Rosewood and Walloon.

Maroochy Catchment: Minor flooding rising on Paynter Creek at Diddillibah, and at Jordan St on the Mooloolah River.

Burdekin River: Minor flooding occurring on the Belyando River at Albro and on the Suttor River at St Anns.

Burnett catchment: Minor flooding at Cooranga and Derra along the Boyne River likely to continue through the weekend. Minor flooding occurring at Proston along the Stuart River. Minor flooding at Walla along the lower Burnett. Minor flooding also occurring along Boonara Creek at Ettiewyn.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 3:49 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the GOLD COAST CITY, LOCKYER VALLEY, MORETON BAY, SCENIC RIM, SOMERSET and TOOWOOMBA Council Areas.

Issued at 3:48 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 3:45 pm, severe thunderstorms were detected on weather radar near the area northwest of Esk, the area east of Dalby and Numinbah Valley. These thunderstorms are moving towards the east. They are forecast to affect Esk by 4:15 pm and the area north of Coolangatta by 4:15pm.

Damaging winds and large hailstones are likely.

3cm hail was reported at Biddeston at 2:45pm 2cm hail and significant damage to trees was reported at Highfields at 2:45pm.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:50 pm.

A more general severe thunderstorm warning is also current for the Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia, Wide Bay and Burnett, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 4:25 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the BRISBANE CITY, GOLD COAST CITY, LOCKYER VALLEY, MORETON BAY, IPSWICH CITY, SUNSHINE COAST, SOMERSET and TOOWOOMBA Council Areas.

Issued at 4:24 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 4:25 pm, severe thunderstorms were detected on weather radar south of Kilcoy, west of Esk and also near Miami.
These thunderstorms are moving towards the east to northeast. They are forecast to affect Kilcoy and the area west of Esk by 4:55 pm and Nambour by 5:25 pm.

Damaging winds and large hailstones are likely.

3cm hail was reported at Biddeston at 2:45pm 2cm hail and significant damage to trees was reported at Highfields at 2:45pm.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:25 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3769

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 4:56 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the MORETON BAY, SUNSHINE COAST and SOMERSET Council Areas.

Issued at 4:55 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 4:55 pm, severe thunderstorms were detected on weather radar near Kilcoy. These thunderstorms are moving towards the northeast. They are forecast to affect Maleny by 5:25 pm and Yandina by 5:55 pm.

Damaging winds and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:55 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 5:15 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the MORETON BAY, DALBY, SUNSHINE COAST, SOUTH BURNETT and TOOWOOMBA Council Areas.

Issued at 5:14 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 5:15 pm, severe thunderstorms were detected on weather radar near Mount Beerwah and north of Dalby. These thunderstorms are moving towards the east. They are forecast to possibly affect Caloundra by 5:45 pm.

Damaging winds and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:15 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 5:43 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the BRISBANE CITY, MORETON BAY, SOMERSET, SOUTH BURNETT and TOOWOOMBA Council Areas.

Issued at 5:42 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 5:35 pm, severe thunderstorms were detected on weather radar near Redcliffe and Bunya Mountains.

These thunderstorms are moving towards the east.

They are forecast to affect Tangalooma by 6:05 pm and Yarraman by 6:35 pm.

Damaging winds and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:45 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Friday, 17 December 2010 5:45 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the BRISBANE CITY, MORETON BAY, SOMERSET, SOUTH BURNETT and TOOWOOMBA Council Areas.

Issued at 5:43 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 5:35 pm, severe thunderstorms were detected on weather radar near Redcliffe and Bunya Mountains.

These thunderstorms are moving towards the east.

They are forecast to affect Tangalooma by 6:05 pm and Yarraman by 6:35 pm.

Damaging winds and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:45 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 5:46 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the BRISBANE CITY, MORETON BAY, SOMERSET, SOUTH BURNETT and TOOWOOMBA Council Areas.

Issued at 5:45 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 5:35 pm, severe thunderstorms were detected on weather radar near Redcliffe and Bunya Mountains. These thunderstorms are moving towards the east. They are forecast to affect Tangalooma by 6:05 pm and Yarraman by 6:35 pm.

Damaging winds and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:45 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 6:17 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in the LOGAN CITY and parts of the BRISBANE CITY, GOLD COAST CITY, SCENIC RIM and REDLAND Council Areas.

Issued at 6:16 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 6:20 pm, severe thunderstorms were detected on weather radar near Beenleigh and Jimboomba. These thunderstorms are moving towards the east. They are forecast to affect Russell Island by 6:50 pm and South Stradbroke Island by 7:20 pm.

Damaging winds and large hailstones are likely.

A 104km/hr wind gust was recorded at Inner Beacon [Moreton Bay, off Redcliffe] at 5:54pm.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:20 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3763

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Friday, 17 December 2010 6:56 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the GOLD COAST CITY, LOGAN CITY, GYMPIE, SUNSHINE COAST and REDLAND Council Areas.

Issued at 6:55 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 6:55 pm, severe thunderstorms were detected on weather radar near Beenleigh and the Amamoor Range northwest of Kenilworth.

These thunderstorms are moving towards the east.

They are forecast to affect the area south of Gympie by 7:25 pm and Noosa Heads by 7:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

A 104km/hr wind gust was recorded at Inner Beacon [Moreton Bay, off Redcliffe] at 5:54pm.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:55 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3762

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 7:32 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the GYMPIE and SUNSHINE COAST Council Areas.

Issued at 7:30 pm Friday, 17 December 2010.

The Bureau of Meteorology warns that, at 7:25 pm, severe thunderstorms were detected on weather radar east of Gympie and southwest of Noosa Heads. These thunderstorms are moving towards the east. They are forecast to affect Noosa Heads by 7:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 8:30 pm.

A more general severe thunderstorm warning is also current for parts of the Central Highlands and Coalfields, Central West, Capricornia, Wide Bay and Burnett and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 17 December 2010 8:39 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 8:38 pm Friday, 17 December 2010.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe]. The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for parts of the Central Highlands and Coalfields, Central West, Capricornia and Wide Bay and Burnett districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3760



Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Saturday, 18 December 2010 11:24 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:23 AM on Saturday the 18th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DAWSON AND FITZROY RIVERS FLOOD WARNING FOR THE LOWER WARREGO RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER

See Flood Warnings for more detail at www.bom.gov.au/qld/flood/.

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding remains steady at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Giddi Giddi and Surrey.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flooding occurring on Warrill Creek at Amberley.

Maroochy Catchment: Minor flooding easing on Paynter Creek at Diddillibah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Burnett catchment: Minor flooding at Cooranga and Derra along the Boyne River to continue through the weekend. Minor flooding easing at Proston along the Stuart River. Minor flooding easing at Walla along the lower Burnett.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 18 December 2010 2:21 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the GYMPIE, MORETON BAY, SUNSHINE COAST and SOMERSET Council Areas.

Issued at 2:20 pm Saturday, 18 December 2010.

The Bureau of Meteorology warns that, at 2:25 pm, severe thunderstorms were detected on weather radar near Jimna. These thunderstorms are moving towards the east. They are forecast to affect Conondale and Kenilworth by 2:55 pm and possibly Mapleton and Yandina by 3:25 pm.

Damaging winds and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:20 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Central West, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 18 December 2010 2:55 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and LARGE HAILSTONES For people in parts of the SUNSHINE COAST Council Area.

Issued at 2:54 pm Saturday, 18 December 2010.

The Bureau of Meteorology warns that, at 2:55 pm, severe thunderstorms were detected on weather radar near the area southwest of Noosa Heads. These thunderstorms are moving towards the east. They are forecast to affect Noosa Heads by 3:25 pm.

Damaging winds and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:55 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Central West, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 18 December 2010 3:29 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 3:28 pm Saturday, 18 December 2010.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe]. The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Capricornia, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 19 December 2010 11:30 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:29 AM on Sunday the 19th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BOYNE AND STUART RIVERS AND DEGILBO CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER

See Flood Warnings for more detail at www.bom.gov.au/qld/flood/.

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Brisbane River: Minor flooding occurring on the upper Brisbane River between Linville and Devon Hills.

Maroochy Catchment: Minor flooding easing on Paynter Creek at Diddillibah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Sunday, 19 December 2010 8:01 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:00 PM on Sunday the 19th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE AUBURN, BOYNE AND STUART RIVERS AND DEGILBO CREEK FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Brisbane River: Minor flooding occurring on the upper Brisbane River between Linville and Devon Hills.

Maroochy Catchment: Minor flooding easing on Paynter Creek at Diddillibah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Brisbane Catchment: Minor flooding is occurring between Linville and Gregor Creek with moderate flood levels likely at Gregor Creek overnight. Minor to moderate flood levels should be expected along Warrill and Western Creeks overnight. Moderate flooding is also likely along Woogaroo Creek.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Sunday, 19 December 2010 11:02 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER Issued at 11:01 PM on Sunday the 19th of December 2010 by the Bureau of Meteorology, Brisbane.

Fast river level rises are occurring along Lockyer, Western and Warrill Creeks with some minor to moderate flooding expected overnight and during Monday. Some minor flooding is occurring along the Bremer River.

LOCKYER CREEK
Fast rises are occurring from Gatton to Rifle Range Road with some minor flooding forecast. Further forecasts will be made as upstream peaks are observed.

WARRILL CREEK
Moderate flood levels are rising at Harrisville with minor flooding expected to rise further at Amberley. Moderate flood levels are unlikely.

BREMER RIVER
Moderate flooding is likely at Kuss Road along Western Creek overnight. At least minor flood levels are expected at Rosewood WWTP overnight with moderate flood levels likely tomorrow at Rosewood.

Next Issue:
The next warning will be issued by 8am Monday.

Latest River Heights:

Lockyer Ck at Helidon *	3.97m rising	08:40 PM SUN 19/12/10
Lockyer Ck at Helidon #	3.52m falling	10:57 PM SUN 19/12/10
Flagstone Ck at Brown-Zirbels Rd *	4.39m falling	08:40 PM SUN 19/12/10
Ma Ma Ck at Harm's *	2.88m falling	08:30 PM SUN 19/12/10
Tenthill Ck at Tenthill *	2.72m falling	09:20 PM SUN 19/12/10
Tenthill Ck at Tenthill #	2.68m rising	10:54 PM SUN 19/12/10
Lockyer Ck at Gatton *	3.67m rising	08:40 PM SUN 19/12/10
Lockyer Ck at Gatton #	7m rising	10:56 PM SUN 19/12/10
Laidley Ck at Laidley	4.05m rising slowly	07:05 AM SUN 19/12/10
Laidley Ck at Showground Weir *	5.75m rising	08:40 PM SUN 19/12/10
Laidley Ck at Showground Weir #	5.8m rising	10:50 PM SUN 19/12/10
Bill Gunn Dam #	109.88m steady	09:20 PM SUN 19/12/10
Laidley Ck at Warrego Hwy *	3.34m rising	09:00 PM SUN 19/12/10
Lockyer Ck at Glenore Grove #	5.26m rising	10:58 PM SUN 19/12/10
Lockyer Ck at Lyons Br #	4.47m rising	10:57 PM SUN 19/12/10
Lockyer Ck at Lyons Br #	4.32m rising	10:55 PM SUN 19/12/10
Lockyer Ck at Rifle Range Rd *	3.46m rising	08:40 PM SUN 19/12/10
Atkinson Dam #	65.73m steady	09:51 PM SUN 19/12/10
Lockyer Ck at O'Reilly's Weir *	8.29m steady	09:00 PM SUN 19/12/10
Lockyer Ck at O'Reilly's Weir #	8.28m steady	10:36 PM SUN 19/12/10
Brisbane R at Savages Crossing *	4.8m falling	08:10 PM SUN 19/12/10
Brisbane R at Savages Crossing #	4.81m rising	10:31 PM SUN 19/12/10
Brisbane R at Burtons Br #	3.98m rising	10:51 PM SUN 19/12/10
Cabbage Tree Ck at L Manchester #	51.03m steady	10:56 PM SUN 19/12/10
Brisbane R at Kholo Br #	-2.27m rising	10:46 PM SUN 19/12/10
Brisbane R at Mt Crosby #	8.28m steady	08:51 PM SUN 19/12/10
Brisbane R at Mt Crosby #	8.26m steady	07:59 PM SUN 19/12/10
Brisbane R at Colleges Crossing #	4.51m steady	10:36 PM SUN 19/12/10

ICC.005.3610

Western Ck at Grandchester #	2.23m falling	10:50 PM SUN 19/12/10
Western Ck at Kuss Rd #	6.84m rising	10:42 PM SUN 19/12/10
Western Ck at Rosewood WWTP #	6.95m rising	10:48 PM SUN 19/12/10
Bremer R at Rosewood	3.3m steady	03:00 PM SUN 19/12/10
Bremer R at Rosewood#	4.76m steady	10:51 PM SUN 19/12/10
Bremer R at Rosewood #	4.8m rising	10:54 PM SUN 19/12/10
Bremer R at Five Mile Br Walloon #	3.44m rising	10:53 PM SUN 19/12/10
Reynolds Ck at Moogerah Dam *	0.59m rising	08:00 PM SUN 19/12/10
Reynolds Ck at Moogerah Dam #	155.52m rising	09:44 PM SUN 19/12/10
Warrill Ck at Toohills Crossing *	1.34m falling	08:40 PM SUN 19/12/10
Warrill Ck at Kalbar Weir HW #	76.03m rising	10:58 PM SUN 19/12/10
Warrill Ck at Kalbar Weir HW *	76.17m falling	08:30 PM SUN 19/12/10
Warrill Ck at Kalbar Weir TW *	5.13m falling	08:40 PM SUN 19/12/10
Warrill Ck at Harrisville #	4.28m steady	10:45 PM SUN 19/12/10
Warrill Ck at Harrisville#	4.1m steady	10:04 PM SUN 19/12/10
Warrill Ck at Churchbank Weir *	1.14m rising	08:30 PM SUN 19/12/10
Warrill Ck at Churchbank Weir #	1.66m rising	10:50 PM SUN 19/12/10
Warrill Ck at Greens Rd Amberley #	4.66m rising	10:48 PM SUN 19/12/10
Warrill Ck at Amberley DNR *	5.02m rising	08:40 PM SUN 19/12/10
PPurga Ck at Peak Crossing #	2.06m rising	10:35 PM SUN 19/12/10
Purga Ck at Loamside #	3.36m steady	10:35 PM SUN 19/12/10
Purga Ck at Loamside *	3.65m rising	08:40 PM SUN 19/12/10
Bremer R at Berry's Lagoon *	16.53m rising	08:30 PM SUN 19/12/10
Bremer R at One Mile		

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 19 December 2010 11:25 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:23 PM on Sunday the 19th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah and along teh LOgan River at Rathdowney and Round Mountain.

Mooloolah/Maroochy Catchments: Minor flooding at Doonan Creek, Yandina, Diddillibah Palmwoods and Jordan Street.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 20 December 2010 5:17 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 5:16 AM on Monday the 20th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER

For more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah and along the Logan River at Rathdowney and Round Mountain.

Mooloolah/Maroochy Catchments: Minor flooding at Doonan Creek, Yandina, Diddillibah Palmwoods and Jordan Street.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 20 December 2010 6:05 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER Issued at 6:04 AM on Monday the 20th of December 2010 by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring along Lockyer and Warrill Creeks and along the Bremer River during Monday morning, where a minor flood peak is expected at Amberley.

Rainfall totals of between 30mm to 50mm have been recorded since 9am Sunday.

LOCKYER CREEK
Minor flood levels are rising downstream from Gatton through to Glenore Grove, with rises and minor to moderate flooding expected through to Rifle Range Road during Monday morning.

WARRILL CREEK
Moderate flooding has peaked at Harrisville, with the flood peak currently in the Churchbank Weir area. Minor flood levels continue to rise downstream at Amberley, however creek levels are expected to remain below the moderate flood level of 6.5 metres.

BREMER RIVER
Moderate flooding is peaking at Rosewood. Minor flood levels continue to rise downstream through to Walloon, where moderate flooding is likely during Monday morning.

Weather Forecast:
Becoming fine and sunny.

Next Issue:
The next warning will be issued at about midday Monday.

Latest River Heights:

Lockyer Ck at Helidon #	2.24m falling	05:33 AM MON 20/12/10
Tenthill Ck at Tenthill #	2.3m falling	05:30 AM MON 20/12/10
Lockyer Ck at Gatton #	9.58m falling	05:34 AM MON 20/12/10
Laidley Ck at Showground Weir #	5.24m falling	05:35 AM MON 20/12/10
Laidley Ck at Warrego Hwy *	4.67m rising	04:00 AM MON 20/12/10
Lockyer Ck at Glenore Grove #	9.26m rising	05:35 AM MON 20/12/10
Lockyer Ck at Lyons Br #	7.31m rising	05:35 AM MON 20/12/10
Lockyer Ck at Rifle Range Rd *	5.31m rising	02:40 AM MON 20/12/10
Lockyer Ck at O'Reilly's Weir #	8.5m rising	05:29 AM MON 20/12/10
Brisbane R at Savages Crossing #	4.93m rising	04:10 AM MON 20/12/10
Brisbane R at Burtons Br #	4.22m rising	05:18 AM MON 20/12/10
Brisbane R at Mt Crosby #	8.3m steady	04:59 AM MON 20/12/10
Brisbane R at Colleges Crossing #	4.46m steady	04:36 AM MON 20/12/10
Bremer R at Adams Br #	1.91m falling	05:34 AM MON 20/12/10
Bremer R at Stokes Crossing #	2.65m falling	05:30 AM MON 20/12/10
Bremer R at Spressers Br #	3.15m falling	05:01 AM MON 20/12/10
Spring Ck at Greys Plains Rd #	0.89m falling	04:22 AM MON 20/12/10
Western Ck at Grandchester #	1.18m rising	05:35 AM MON 20/12/10
Western Ck at Kuss Rd #	4.94m falling	05:35 AM MON 20/12/10
Western Ck at Rosewood WWTP #	6.75m falling	05:31 AM MON 20/12/10
Bremer R at Rosewood #	5.26m falling	05:27 AM MON 20/12/10

ICC.005.3608

Bremer R at Five Mile Br Walloon #	5.36m rising	05:32 AM MON 20/12/10
Warrill Ck at Toohills Crossing *	1.05m falling	02:20 AM MON 20/12/10
Warrill Ck at Kalbar Weir TW *	3.04m falling	02:40 AM MON 20/12/10
Warrill Ck at Harrisville #	4.6m rising	05:18 AM MON 20/12/10
Warrill Ck at Churchbank Weir #	2.32m rising	04:48 AM MON 20/12/10
Warrill Ck at Greens Rd Amberley #	5.22m rising	05:36 AM MON 20/12/10
Warrill Ck at Amberley DNR *	5.89m rising	02:30 AM MON 20/12/10
Bremer R at One Mile Br #	10.28m rising	05:31 AM MON 20/12/10
Bremer R at Hancocks Br Brassall #	5.48m rising	05:09 AM MON 20/12/10
Bremer R at Ipswich #	2.55m steady	05:29 AM MON 20/12/10
Brisbane R at Moggill #	0.22m steady	04:54 AM MON 20/12/10
Brisbane R at City Gauge #	0.41m rising	05:34 AM MON 20/12/10
Moreton Bay at Whyte Island #	0.57m rising	05:35 AM MON 20/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3609

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 20 December 2010 12:21 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER Issued at 12:20 PM on Monday the 20th of December 2010 by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring along Lockyer and Warrill Creeks and along the Bremer River.

LOCKYER CREEK
Minor flood levels are rising downstream from Gatton through to Glenore Grove, with rises and minor to moderate flooding expected through to Rifle Range Road during Monday morning.

WARRILL CREEK
Moderate flooding has peaked at Harrisville, with the flood peak currently in the Churchbank Weir area. Minor flood levels continue to rise downstream at Amberley, however creek levels are expected to remain below the moderate flood level of 6.5 metres.

BREMER RIVER
Moderate flooding is falling at Rosewood. Minor flood levels will continue at Walloon this afternoon.

Weather Forecast:
Becoming fine and sunny.

Next Issue:
The next warning will be issued at about 5:30pm Monday.

Latest River Heights:

Lockyer Ck at Helidon *	1.72m falling	11:40 AM MON 20/12/10
Lockyer Ck at Helidon #	1.7m falling	11:51 AM MON 20/12/10
Flagstone Ck at Brown-Zirbels Rd *	2.73m falling	11:40 AM MON 20/12/10
Ma Ma Ck at Harm's *	2.23m steady	11:00 AM MON 20/12/10
Tenthill Ck at Tenthill *	2.13m falling	11:00 AM MON 20/12/10
Tenthill Ck at Tenthill #	2.06m falling	12:12 PM MON 20/12/10
Lockyer Ck at Gatton *	5.45m falling	11:40 AM MON 20/12/10
Lockyer Ck at Gatton #	6.86m falling	12:13 PM MON 20/12/10
Laidley Ck at Showground Weir *	5.1m falling	11:20 AM MON 20/12/10
Laidley Ck at Showground Weir #	5.12m steady	11:53 AM MON 20/12/10
Bill Gunn Dam #	109.9m steady	12:06 PM MON 20/12/10
Laidley Ck at Warrego Hwy *	4.74m falling	11:00 AM MON 20/12/10
Lockyer Ck at Glenore Grove #	9.12m falling	12:06 PM MON 20/12/10
Lockyer Ck at Lyons Br #	10.87m rising	12:08 PM MON 20/12/10
Lockyer Ck at Lyons Br #	10.62m rising	12:13 PM MON 20/12/10
Lockyer Ck at Rifle Range Rd *	9.86m rising	11:40 AM MON 20/12/10
Atkinson Dam #	65.73m steady	11:52 AM MON 20/12/10
Lockyer Ck at O'Reilly's Weir *	8.29m steady	11:00 PM SUN 19/12/10
Lockyer Ck at O'Reilly's Weir #	9.02m rising	12:06 PM MON 20/12/10
Brisbane R at Savages Crossing *	4.73m falling	11:20 AM MON 20/12/10
Brisbane R at Savages Crossing #	4.67m falling	12:10 PM MON 20/12/10
Brisbane R at Burtons Br #	4.04m falling	11:45 AM MON 20/12/10
Cabbage Tree Ck at L Manchester #	51.21m rising	10:56 AM MON 20/12/10

Brisbane R at Mt Crosby #	8.35m steady	11:18 AM MON 20/12/10
Brisbane R at Mt Crosby #	8.34m steady	10:59 AM MON 20/12/10
Brisbane R at Colleges Crossing #	4.86m rising	11:42 AM MON 20/12/10
Bremer R at Adams Br *	1.7m falling	11:00 AM MON 20/12/10
Bremer R at Adams Br #	1.65m falling	11:52 AM MON 20/12/10
Bremer R at Stokes Crossing #	2m falling	11:37 AM MON 20/12/10
Bremer R at Spressers Br #	2.55m falling	12:03 PM MON 20/12/10
Spring Ck at Greys Plains Rd #	0.79m falling	09:59 AM MON 20/12/10
Western Ck at Grandchester #	0.78m falling	11:42 AM MON 20/12/10
Western Ck at Kuss Rd #	3.58m falling	12:12 PM MON 20/12/10
Western Ck at Rosewood WWTP #	5.3m falling	12:08 PM MON 20/12/10
Bremer R at Rosewood	3.3m steady	03:00 PM SUN 19/12/10
Bremer R at Rosewood#	4.61m falling	12:00 PM MON 20/12/10
Bremer R at Rosewood #	4.62m falling	12:09 PM MON 20/12/10
Bremer R at Five Mile Br Walloon #	5.02m falling	11:59 AM MON 20/12/10
Bremer R at Five Mile Br Walloon #	-0.14m steady	09:53 AM MON 20/12/10
Bremer R at Walloon DERM *	6.34m falling	11:00 AM MON 20/12/10
Warrill Ck at Toohills Crossing *	0.92m falling	10:50 AM MON 20/12/10
Warrill Ck at Kalbar Weir HW #	75.45m falling	12:04 PM MON 20/12/10
Warrill Ck at Kalbar Weir HW *	75.44m falling	11:30 AM MON 20/12/10
Warrill Ck at Kalbar Weir TW *	1.92m falling	11:40 AM MON 20/12/10
Warrill Ck at Harrisville #	4.38m rising	12:12 PM MON 20/12/10
Warrill Ck at Harrisville#	4.2m falling	12:13 PM MON 20/12/10
Warrill Ck at Churchbank Weir *	2.31m rising	11:00 AM MON 20/12/10
Warrill Ck at Churchbank Weir #	2.32m falling	11:53 AM MON 20/12/10
Warrill Ck at Greens Rd Amberley #	5.26m rising	12:09 PM MON 20/12/10
Warrill Ck at Amberley DNR *	6.05m steady	11:00 AM MON 20/12/10
Purga Ck at Peak Crossing #	1.46m falling	12:00 PM MON 20/12/10
Purga Ck at Loamside #	4.12m steady	11:53 AM MON 20/12/10
Purga Ck at Loamside *	4.68m steady	11:30 AM MON 20/12/10
Bremer R at Berry's Lagoon *	20.33m rising	11:30 AM MON 20/12/10

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Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3607

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 20 December 2010 5:23 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS Issued at 5:23 PM on Monday the 20th of December 2010 by the Bureau of Meteorology, Brisbane.

Minor flooding is occurring along Lockyer and Warrill Creeks and along the Bremer River. Minor flooding will occur along the Brisbane River to Mt Crosby overnight and through this week.

LOCKYER CREEK
Minor flooding is occurring through at the Warrego Highway and at Rifle Range Road. Flood levels will fall overnight.

WARRILL CREEK
Minor flooding is continuing at Churchbank Weir and Amberley with levels expected to fall overnight.

BREMER RIVER
Moderate flooding is easing at Rosewood. Minor flood levels will continue at Walloon this evening.

BRISBANE RIVER
SEQ Water advises releases from Wivenhoe Dam will commence this evening. Minor flooding is expected between Wivenhoe Dam and Mt Crosby overnight and continuing through this week.

Weather Forecast:
Fine

Next Issue:
The next warning will be issued at about 11:30am Tuesday.

Latest River Heights:

Lockyer Ck at Helidon *	1.57m	falling	02:30 PM MON 20/12/10
Lockyer Ck at Helidon #	1.48m	falling	04:24 PM MON 20/12/10
Flagstone Ck at Brown-Zirbels Rd *	2.56m	falling	02:40 PM MON 20/12/10
Ma Ma Ck at Harm's *	2.15m	steady	02:30 PM MON 20/12/10
Tenthill Ck at Tenthill *	2.05m	falling	02:00 PM MON 20/12/10
Tenthill Ck at Tenthill #	1.98m	falling	03:45 PM MON 20/12/10
Lockyer Ck at Gatton *	4.73m	falling	02:40 PM MON 20/12/10
Lockyer Ck at Gatton #	5.72m	falling	04:31 PM MON 20/12/10
Laidley Ck at Mulgowie *	2.21m	falling	02:00 PM MON 20/12/10
Laidley Ck at Showground Weir *	5.05m	falling	02:10 PM MON 20/12/10
Laidley Ck at Showground Weir #	5.04m	falling	03:44 PM MON 20/12/10
Bill Gunn Dam #	109.9m	steady	03:57 PM MON 20/12/10
Laidley Ck at Warrego Hwy *	4.63m	falling	02:00 PM MON 20/12/10
Lockyer Ck at Glenore Grove #	7.98m	falling	04:28 PM MON 20/12/10
Lockyer Ck at Lyons Br #	11.39m	rising	04:11 PM MON 20/12/10
Lockyer Ck at Lyons Br #	11.06m	falling	04:22 PM MON 20/12/10
Lockyer Ck at Rifle Range Rd *	10.81m	rising	02:40 PM MON 20/12/10
Atkinson Dam #	65.73m	steady	03:39 PM MON 20/12/10
Lockyer Ck at O'Reilly's Weir *	8.29m	steady	11:00 PM SUN 19/12/10
Lockyer Ck at O'Reilly's Weir #	9.44m	rising	04:28 PM MON 20/12/10

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Brisbane R at Savages Crossing *     4.53m falling  02:30 PM MON 20/12/10
Brisbane R at Savages Crossing #     4.45m falling  03:52 PM MON 20/12/10
Cabbage Tree Ck at L Manchester #    51.19m falling 03:53 PM MON 20/12/10
Brisbane R at Kholo Br #             -2.23m falling 04:30 PM MON 20/12/10
Brisbane R at Mt Crosby #            8.31m steady   03:30 PM MON 20/12/10
Brisbane R at Mt Crosby #            8.3m falling   03:04 PM MON 20/12/10
Brisbane R at Colleges Crossing #    4.61m falling  04:25 PM MON 20/12/10
Bremer R at Adams Br *               1.59m falling  02:20 PM MON 20/12/10
Bremer R at Adams Br #               1.53m falling  04:31 PM MON 20/12/10
Bremer R at Stokes Crossing #        1.75m falling  03:53 PM MON 20/12/10
Bremer R at Spressers Br #           2.05m steady   04:25 PM MON 20/12/10
Spring Ck at Greys Plains Rd #       0.74m steady   03:49 PM MON 20/12/10
Western Ck at Grandchester #         0.58m falling  04:00 PM MON 20/12/10
Western Ck at Kuss Rd #              2.98m falling  04:28 PM MON 20/12/10
Western Ck at Rosewood WWTP #        4.5m falling   04:23 PM MON 20/12/10
Bremer R at Rosewood#                4.21m falling  03:54 PM MON 20/12/10
Bremer R at Rosewood #               4.2m falling   04:24 PM MON 20/12/10
Bremer R at Five Mile Br Walloon #   4.26m falling  04:29 PM MON 20/12/10 Bremer R at
Five Mile Br Walloon #   -0.14m steady  03:53 PM MON 20/12/10
Bremer R at Walloon DERM *           5.93m falling  02:00 PM MON 20/12/10
Reynolds Ck at Moogerah Dam *        0.59m falling  01:00 PM MON 20/12/10
Reynolds Ck at Moogerah Dam #        155.46m rising 04:19 PM MON 20/12/10
Warrill Ck at Toohills Crossing *    0.88m falling  02:20 PM MON 20/12/10
Warrill Ck at Kalbar Weir HW #       75.39m falling 04:28 PM MON 20/12/10
Warrill Ck at Kalbar Weir HW *       75.41m falling 01:45 PM MON 20/12/10
Warrill Ck at Kalbar Weir TW *       1.75m falling  02:35 PM MON 20/12/10
Warrill Ck at Harrisville #          3.68m falling  04:21 PM MON 20/12/10
Warrill Ck at Harrisville#           3.6m steady    04:09 PM MON 20/12/10
Warrill Ck at Churchbank Weir *      2.16m falling  02:30 PM MON 20/12/10
Warrill Ck at Churchbank Weir #      2.02m steady   04:28 PM MON 20/12/10
Warrill Ck at Greens Rd Amberley #   5.2m falling   04:27 PM MON 20/12/10
Warrill Ck at Amberley DNR *         6.06m rising   02:00 PM MON 20/12/10
Purga Ck at Peak Crossing #          1.41m steady   02:08 PM MON 20/12/10
Purga Ck at Loamside #               3.86m steady   04:30 PM MON 20/12/10
Purga Ck at Loamside *               4.59m falling  02:40 P
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Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3605

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Monday, 20 December 2010 5:32 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 5:31 PM on Monday the 20th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah and along the Logan River at Rathdowney and Round Mountain.

Mooloolah/Maroochy Catchments: Minor flooding at Doonan Creek, Yandina, Diddillibah Palmwoods and Jordan Street.

Upper Brisbane: Moderate flooding at Gregor Creek with minor flooding at Devon Hills and Linville. Levels will continue to fall overnight.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 20 December 2010 6:57 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:57 PM on Monday the 20th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah and along the Logan River at Rathdowney and Round Mountain.

Mooloolah/Maroochy Catchments: Minor flooding at Doonan Creek, Yandina, Diddillibah Palmwoods and Jordan Street.

Upper Brisbane: Moderate flooding at Gregor Creek with minor flooding at Devon Hills and Linville. Levels will continue to fall overnight.

Bohle River: Minor flooding is occurring at Hervey Range Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 21 December 2010 11:03 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS Issued at 11:02 AM on Tuesday the 21st of December 2010 by the Bureau of Meteorology, Brisbane.

Stream levels have eased below minor flood level overnight along Laidley and Warrill Creeks and the Bremer River, with some minor flooding continuing to ease downstream in the Amberley area.

SEQ Water advises releases from Wivenhoe Dam will continue during this week, with some minor flooding expected along the lower Brisbane River between Wivenhoe Dam and the Mt Crosby area.

Weather Forecast:
Fine.

Next Issue:
The next warning will be issued at about 11:30am Wednesday.

Latest River Heights:

Lockyer Ck at Helidon #	1.16m	falling	08:42 AM TUE 21/12/10
Tenthill Ck at Tenthill #	1.78m	falling	09:21 AM TUE 21/12/10
ockyer Ck at Gatton #	3.5m	falling	10:31 AM TUE 21/12/10
Laidley Ck at Mulgowie *	1.83m	steady	09:00 AM TUE 21/12/10
Laidley Ck at Showground Weir #	4.86m	steady	08:53 AM TUE 21/12/10
Laidley Ck at Warrego Hwy *	3.64m	falling	09:00 AM TUE 21/12/10
Lockyer Ck at Glenore Grove #	4.66m	falling	10:27 AM TUE 21/12/10
Lockyer Ck at Lyons Br #	8.45m	falling	10:26 AM TUE 21/12/10
Lockyer Ck at Rifle Range Rd *	9.14m	falling	08:20 AM TUE 21/12/10
Lockyer Ck at O'Reilly's Weir #	10.88m	rising	09:26 AM TUE 21/12/10
Brisbane R at Savages Crossing #	9.65m	rising	10:31 AM TUE 21/12/10
Brisbane R at Burtons Br #	7.52m	rising	10:24 AM TUE 21/12/10
Brisbane R at Kholo Br #	0.07m	rising	10:29 AM TUE 21/12/10
Brisbane R at Mt Crosby #	9.15m	steady	10:30 AM TUE 21/12/10
Brisbane R at Colleges Crossing #	6.11m	rising	10:29 AM TUE 21/12/10
Bremer R at Adams Br #	1.31m	falling	10:25 AM TUE 21/12/10
Bremer R at Stokes Crossing #	1.25m	steady	09:53 AM TUE 21/12/10
Bremer R at Spressers Br #	0.8m	steady	10:25 AM TUE 21/12/10
Spring Ck at Greys Plains Rd #	0.69m	steady	09:50 AM TUE 21/12/10
Western Ck at Grandchester #	0.38m	steady	09:55 AM TUE 21/12/10
Western Ck at Kuss Rd #	1.54m	steady	09:35 AM TUE 21/12/10
Western Ck at Rosewood WWTP #	2.7m	falling	10:02 AM TUE 21/12/10
Bremer R at Rosewood#	3.01m	falling	10:12 AM TUE 21/12/10
Bremer R at Five Mile Br Walloon #	2.9m	steady	10:28 AM TUE 21/12/10
Bremer R at Walloon DERM *	4.02m	falling	08:00 AM TUE 21/12/10
Warrill Ck at Toohills Crossing *	0.8m	rising	06:40 AM TUE 21/12/10
Warrill Ck at Kalbar Weir TW *	1.25m	rising	08:15 AM TUE 21/12/10
Warrill Ck at Harrisville #	2.38m	rising	10:30 AM TUE 21/12/10
Warrill Ck at Churchbank Weir #	0.71m	falling	09:21 AM TUE 21/12/10
Warrill Ck at Greens Rd Amberley #	4m	falling	10:29 AM TUE 21/12/10
Warrill Ck at Amberley DNR *	5.26m	falling	06:10 AM TUE 21/12/10
Bremer R at One Mile Br #	9.03m	falling	10:13 AM TUE 21/12/10
Bremer R at Hancocks Br Brassall #	4.98m	falling	10:11 AM TUE 21/12/10
Bremer R at Ipswich #	3.15m	rising	10:28 AM TUE 21/12/10

Brisbane R at Moggill #	1.97m	rising	10:24 AM TUE 21/12/10
Brisbane R at City Gauge #	1.65m	falling	10:31 AM TUE 21/12/10
Moreton Bay at Whyte Island #	1.31m	falling	10:30 AM TUE 21/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 21 December 2010 11:11 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:10 AM on Tuesday the 21st of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEKFLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER for more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is continuing between Diamantina Lakes and Monkira.

Weir River: Minor flooding between Surrey and Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Mooloolah/Maroochy Catchments: Minor flooding at Diddillibah and Jordan Street.

Upper Brisbane: Moderate flooding at Gregor Creek with minor flooding at Devon Hills and Linville. Levels will continue to fall during Wednesday.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 21 December 2010 4:53 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 4:52 PM on Tuesday the 21st of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE PAROO RIVER FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is continuing between Diamantina Lakes and Monkira.

Weir River: Minor flooding between Surrey and Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Mooloolah/Maroochy Catchments: Minor flooding at Diddillibah.

Upper Brisbane: minor flooding at Devon Hills and Linville.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 22 December 2010 9:15 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FINAL FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS
Issued at 9:14 AM on Wednesday the 22nd of December 2010 by the Bureau of Meteorology, Brisbane.

Stream levels have continued to ease overnight and remain below minor flood levels along Laidley and Warrill Creeks and the Bremer River. SEQ Water advises releases from Wivenhoe Dam will continue during this week, with some minor flooding occurring along the lower Brisbane River between Wivenhoe Dam and the Mt Crosby area.

Weather Forecast:
Rain developing.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Lockyer Ck at Helidon #	1m falling	08:51 AM WED 22/12/10
Lockyer Ck at Gatton #	2.76m falling	08:37 AM WED 22/12/10
Laidley Ck at Mulgowie *	1.68m steady	07:00 AM WED 22/12/10
Laidley Ck at Showground Weir #	4.76m steady	08:53 AM WED 22/12/10
Laidley Ck at Warrego Hwy *	1.96m falling	08:00 AM WED 22/12/10
Lockyer Ck at Glenore Grove #	3.26m falling	08:58 AM WED 22/12/10
Lockyer Ck at Lyons Br #	5.11m falling	09:02 AM WED 22/12/10
Lockyer Ck at Rifle Range Rd *	5.2m falling	08:20 AM WED 22/12/10
Lockyer Ck at O'Reilly's Weir #	10.96m falling	08:33 AM WED 22/12/10
Brisbane R at Lowood Pump Stn #	10.15m rising	09:05 AM WED 22/12/10
Brisbane R at Savages Crossing #	10.29m falling	08:55 AM WED 22/12/10
Brisbane R at Burtons Br #	8.54m rising	07:36 AM WED 22/12/10
Brisbane R at Kholo Br #	2.53m rising	09:06 AM WED 22/12/10
Brisbane R at Mt Crosby #	11.15m steady	09:00 AM WED 22/12/10
Brisbane R at Mt Crosby #	8.8m falling	09:01 AM WED 22/12/10
Brisbane R at Colleges Crossing #	8.76m rising	08:17 AM WED 22/12/10
Bremer R at Adams Br #	1.29m rising	09:07 AM WED 22/12/10
Bremer R at Stokes Crossing #	1.1m falling	08:27 AM WED 22/12/10
Bremer R at Spressers Br #	0.1m falling	08:21 AM WED 22/12/10
Western Ck at Grandchester #	0.33m steady	06:56 AM WED 22/12/10
Western Ck at Kuss Rd #	0.98m falling	08:12 AM WED 22/12/10
Western Ck at Rosewood WWTP #	2m steady	06:31 AM WED 22/12/10
Bremer R at Rosewood #	2.18m falling	08:54 AM WED 22/12/10
Bremer R at Five Mile Br Walloon #	1.96m falling	08:38 AM WED 22/12/10
Bremer R at Walloon DERM *	2.88m falling	08:00 AM WED 22/12/10
Bremer R at Three Mile Br #	9.55m falling	08:27 AM WED 22/12/10
Warrill Ck at Toohills Crossing *	0.75m steady	06:00 AM WED 22/12/10
Warrill Ck at Kalbar Weir TW *	0.94m rising	08:15 AM WED 22/12/10
Warrill Ck at Harrisville #	1.52m falling	08:51 AM WED 22/12/10
Warrill Ck at Churchbank Weir #	0.51m steady	07:29 AM WED 22/12/10
Warrill Ck at Greens Rd Amberley #	3.16m falling	08:56 AM WED 22/12/10
Warrill Ck at Amberley DNR *	3.92m falling	08:20 AM WED 22/12/10
Purga Ck at Peak Crossing #	0.81m falling	09:03 AM WED 22/12/10
Purga Ck at Loamside #	1.59m steady	08:44 AM WED 22/12/10
Bremer R at One Mile Br #	6.05m falling	09:08 AM WED 22/12/10
Bremer R at Hancocks Br Brassall #	3.83m falling	07:53 AM WED 22/12/10
Bremer R at Ipswich #	2.15m rising	08:59 AM WED 22/12/10

ICC.005.3600

Brisbane R at Moggill #	2.32m rising	09:05 AM WED 22/12/10
Brisbane R at Jindalee Br	NA	
Brisbane R at City Gauge #	1.5m rising	09:01 AM WED 22/12/10
Moreton Bay at Whyte Island #	1.43m rising	09:04 AM WED 22/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 22 December 2010 10:37 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:36 AM on Wednesday the 22nd of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE DAWSON, ISAAC AND COMET RIVERS FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in the Nicholson River at Gregory Downs. Rises extending along the Flinders River between Canobie and Walkers Bend, where levels should remain below minor.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor to moderate flooding continues to slowly ease between Caiwarro and Hungerford, where river levels remain at a peak.

Moonie River: Minor to moderate flooding continues between Nindigully and Fenton during this week.

Weir River: Minor flooding continues between Surrey and Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Mary River: Minor to moderate flooding continues to ease between Gympie and Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3686

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 22 December 2010 7:09 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:08 PM on Wednesday the 22nd of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DAWSON, ISAAC AND COMET RIVERS FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in the Nicholson River at Gregory Downs.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor to moderate flooding continues to ease slowly between Caiwarro and Hungerford, where river levels remain at a peak.

Moonie River: Minor to moderate flooding continues between Nindigully and Fenton during this week.

Weir River: Minor flooding continues between Surrey and Jericho.

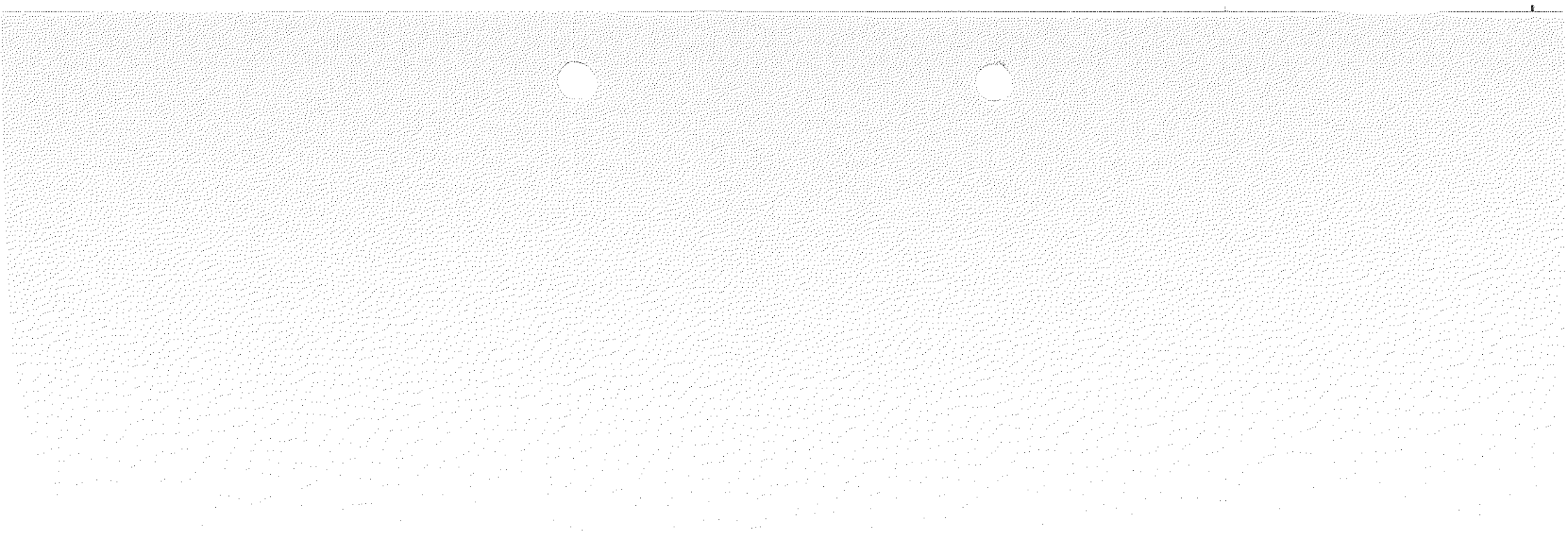
Macintyre River: Moderate flooding continues at Terrewah.

Mary River: Minor to moderate flooding continues to ease between Gympie and Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns.

Brisbane River: SEQ Water advises of realeases from Wivenhoe Dam. Minor flooding is occurring at Savages and Mt Crosby.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 23 December 2010 12:46 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for rainfall with locally moderate to heavy falls and potential for flooding For people over a broad area of Queensland from the Gulf of Carpentaria to Southeast Queensland and parts of Cape York Peninsula.

Issued at 12:45 pm on Thursday 23 December 2010

Synoptic Situation:

The monsoon trough extends across northern Cape York Peninsula. A low is deepening on the monsoon trough and will move towards Cape York Peninsula during today and Friday. Moist onshore winds are feeding into an upper level trough and producing widespread areas of rain, showers and thunderstorms over eastern Queensland.

Scattered showers thunderstorms and general rain areas will continue over eastern Queensland for the coming week.

Heavy rainfall leading to flash flooding is expected on the coast between Cooktown and Ingham this afternoon and tonight.

Locally heavy falls may occur with thunderstorms elsewhere in the broad warning area.

Tides are expected to remain higher than normal and exceed the high water mark on the high tide over the next few days. This will cause inundation in low lying areas on the high tide.

Recent Events:
Abergowrie Bridge near Cardwell has recorded 269mm of rainfall in the 24 hours to 9am this morning.

The State Emergency Service advises that people in the affected area should:

· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5:00 pm Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 23 December 2010 4:43 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for rainfall with locally moderate to heavy falls and flooding For people over a broad area of Queensland from the Gulf of Carpentaria to Southeast Queensland and parts of Cape York Peninsula.

Issued at 4:45 pm on Thursday 23 December 2010

Synoptic Situation:

The monsoon trough extends across northern Cape York Peninsula. A low is deepening on the monsoon trough and will move towards Cape York Peninsula during today and Friday. Moist onshore winds are feeding into an upper level trough and producing widespread areas of rain, showers and thunderstorms over eastern Queensland.

Scattered showers thunderstorms and general rain areas will continue over eastern Queensland for the coming week.

Heavy rainfall and thunderstorm activity leading to flash flooding is expected to increase on the coast and adjacent inland between Cooktown and Ingham tonight and tomorrow.

Locally heavy falls may occur with thunderstorms elsewhere in the broad warning area.

Tides are expected to remain higher than normal and exceed the high water mark on the high tide over the next few days. This will cause inundation in low lying areas on the high tide.

The State Emergency Service advises that people in the affected area should:

· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11:00 pm Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 23 December 2010 7:52 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:51 PM on Thursday the 23rd of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LOWER HERBERT RIVER FLOOD WARNING FOR THE TULLY RIVER.
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding remains steady at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Sunshine Coast: Localised minor flooding occurring on the Mooloolah River and in Paynter Creek at Diddillibah. Some minor flooding occurring with the high tide at Lake Cooroibah on the Noosa River.

Mary River: Minor flooding easing at Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding at Mt Fullstop.

Brisbane River: Minor flooding at Gatton along Lockyer Creek and at Harrisville along Warrill Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 23 December 2010 10:45 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for rainfall with locally heavy falls, possibly leading to or worsening flooding For people over a broad area east of the Gulf of Carpentaria to Southeast Queensland.

Issued at 10:45 pm on Thursday 23 December 2010

Synoptic Situation:

The monsoon trough extends across northern Cape York Peninsula. A low is expected to develop on the monsoon trough over the northwest Coral Sea on Friday and move towards the Northeast Tropical Coast early Saturday. A combination of moist onshore winds and an upper level trough is producing widespread areas of rain, showers and thunderstorms over eastern Queensland.

Scattered showers, thunderstorms and general rain areas with locally heavy falls will continue over eastern Queensland for the coming week.

Heaviest rainfalls and thunderstorm activity, possibly leading to flash flooding, are expected to focus on the tropical east coast and adjacent inland between Cooktown and Mackay in the next 24 hours. Some locally heavy falls are also expected to develop about the southeast coast during Friday evening.

Tides are also expected to remain higher than normal and exceed the high water mark over southeastern Queensland on the high tide over the next couple of days.
This will cause inundation in low lying areas on the high tide.

The State Emergency Service advises that people in the affected area should:

· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5:00 am Friday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

ICC.005.3886

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Friday, 24 December 2010 12:10 AM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 12:09 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LOWER HERBERT RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE TULLY RIVER.
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding remains steady at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Sunshine Coast: Localised minor flooding occurring on the Mooloolah River and in Paynter Creek at Diddillibah. Some minor flooding occurring with the high tide at Lake Cooroibah on the Noosa River.

Mary River: Minor flooding easing at Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding at Mt Fullstop.

Brisbane River: Minor flooding along Lockyer Creek, Warrill Creek and Bremer River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 24 December 2010 4:38 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for rainfall with locally heavy falls, possibly leading to or worsening flooding For people over a broad area east of the Gulf of Carpentaria to Southeast Queensland.

Issued at 4:40 am on Friday 24 December 2010

Synoptic Situation:

The monsoon trough extends across northern Cape York Peninsula. A low is expected to develop on the monsoon trough over the northwest Coral Sea today and move towards the Northeast Tropical Coast early Saturday. A combination of moist onshore winds and an upper level trough is producing widespread areas of rain, showers and thunderstorms over eastern Queensland.

Scattered showers, thunderstorms and general rain areas with locally heavy falls will continue over eastern Queensland for the coming week.

Heaviest rainfalls and thunderstorm activity, possibly leading to flash flooding, are expected to focus on the tropical east coast and adjacent inland between Cooktown and Mackay in the next 24 hours. Some locally heavy falls are also expected to develop about the southeast coast during this evening.

Tides are also expected to remain higher than normal and exceed the high water mark over southeastern Queensland on the high tide over the next couple of days.
This will cause inundation in low lying areas on the high tide.

The State Emergency Service advises that people in the affected area should:

· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11:00 am Friday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 24 December 2010 5:57 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 5:57 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LOWER HERBERT RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE TULLY RIVER FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Brisbane River: Minor flooding rising on the upper Brisbane River at Linville. Minor flooding occurring along Lockyer and Warrill Creeks. Minor to moderate flooding occurring in the Bremer River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.368

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 24 December 2010 6:50 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:50 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LOWER HERBERT RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flooding rising on the upper Brisbane River at Linville. Minor flooding occurring along Lockyer and Warrill Creeks. Minor to moderate flooding occurring in the Bremer River.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Tully River: Minor flooding continues to ease at Euramo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 24 December 2010 8:13 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:12 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LOWER HERBERT RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Logan-Albert Rivers: Minor flooding rising on the Logan River at Rathdowney.

Brisbane River: Minor flooding rising on the upper Brisbane River between Linville and Devon Hills. Minor flooding occurring along Lockyer and Warrill Creeks and along the Bremer River.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Tully River: Minor flooding continues to ease at Euramo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3680

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Friday, 24 December 2010 8:30 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:29 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BULLOO RIVER FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Logan-Albert Rivers: Minor flooding rising on the Logan River at Rathdowney.

Brisbane River: Minor flooding rising on the upper Brisbane River between Linville and Devon Hills. Minor flooding occurring along Lockyer and Warrill Creeks and along the Bremer River.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Herbert River: Moderate flooding continues to ease at Halifax.

Tully River: Minor flooding continues to slowly ease at Euramo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 24 December 2010 9:07 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 9:06 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Moderate flooding slowly easing at Thargomindah.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flooding rising on the upper Brisbane River between Linville and Devon Hills. Minor flooding occurring along Lockyer and Warrill Creeks and along the Bremer River.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Herbert River: Moderate flooding continues to ease at Halifax.

Tully River: Minor flooding continues to slowly ease at Euramo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 24 December 2010 11:12 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for rainfall with locally heavy falls, possibly leading to or worsening flooding For people in a broad area east of the Gulf of Carpentaria to Southeast Queensland, particularly about the coast and ranges between Cairns and St Lawrence.

Issued at 11:15 am on Friday 24 December 2010

Synoptic Situation:

The monsoon trough extended across northern Cape York Peninsula to a monsoon low located near Willis island in the Coral Sea. The monsoon low is expected to continue to move in a west south-west direction and cross the north tropical coast during Saturday morning. The combination of moist onshore winds and an upper level trough over Qld will continue to produce widespread areas of rain, showers and thunderstorms over eastern Queensland.

Scattered showers, thunderstorms and general rain areas with locally heavy falls will continue over eastern Queensland for the next few days.

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Area most affected in the next 24 hours:

Heaviest rainfalls and associated flooding are expected to focus on the tropical east coast and adjacent inland between Cairns and St Lawrence during the next 24 hours.
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Tides are also expected to remain higher than normal and exceed the high water mark over southeastern Queensland on the high tide over the next couple of days.
This will cause inundation in low lying areas on the high tide.

The situation across Qld will continue to be monitored and be updated every 6 hours to advise of the areas most likely to be affected.
The State Emergency Service advises that people in the affected area should:

· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11:00 am Friday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 24 December 2010 4:45 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for damaging wind gusts, heavy rainfall and further flooding For people in about the coast, ranges and adjacent inland between Cairns and St Lawrence.

Issued at 4:45 pm on Friday 24 December 2010

Synoptic Situation:

The monsoon trough extended across northern Cape York Peninsula to a monsoon low located near Willis island in the Coral Sea. The monsoon low is expected to continue to move in a south-west direction and cross the north tropical coast near Cairns during Saturday morning.

Damaging wind gusts to 90 kph will develop overnight between Cairns and Bowen, particularly about the higher ground including the Atherton Tablelands. These wind gusts will extend westwards into the adjacent inland during Saturday morning.

Heavy rainfall and associated flooding will continue on the coast between Cairns and St Lawrence and extend inland during Saturday.

Scattered showers, thunderstorms and general rain areas will continue over remaining eastern areas of Queensland for the next few days. Some localised heavy falls may occur.

The situation across Qld will continue to be monitored and be updated every 6 hours to advise of the areas most likely to be affected.
The State Emergency Service advises that people in the affected area should:
· beware of fallen trees and powerlines
· secure loose outdoor items
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11:00 pm Friday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 25 December 2010 7:58 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:57 AM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE JOHNSTONE RIVER FLOOD WARNING FOR THE LOWER HERBERT RIVER FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Moderate flooding slowly easing at Thargomindah.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Moderate flood levels along Woogaroo Creek and along Warrill Creek at Amberley.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River and along Jacks Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 25 December 2010 10:17 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:16 AM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE JOHNSTONE RIVER FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues at Jericho and downstream.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising slowly along Warrill Creek at Amberley.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Rises and minor flooding is occurring along the Bowen River downstream of Jacks Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 25 December 2010 1:21 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 1:20 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE JOHNSTONE RIVER FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues at Jericho and downstream.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising slowly along Warrill Creek at Amberley.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Rises and minor flooding are occurring along the Bowen River downstream of Jacks Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3675

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Saturday, 25 December 2010 2:29 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 2:28 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE JOHNSTONE RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues in the Jericho area.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising slowly in Warrill Creek at Amberley. Isolated minor flooding continues in Woogaroo and Oxley Creeks.

Sunshine Coast: Minor flooding occurring in Paynter Creek at Diddillibah and in the Mooloolah River at Jordan Street.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Rises and minor flooding are occurring along the Bowen River downstream of Jacks Creek.

Don River: Minor flooding continues to ease slowly at Mt Dangar and at Bowen Pump Station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3674

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 25 December 2010 4:10 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 4:09 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HAUGHTON RIVER FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE JOHNSTONE RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues in the Jericho area.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising slowly in Warrill Creek at Amberley. Isolated minor flooding continues in Woogaroo and Oxley Creeks.

Sunshine Coast: Minor flooding occurring in Paynter Creek at Diddillibah and in the Mooloolah River at Jordan Street.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Rises and minor flooding are occurring along the Bowen River downstream of Jacks Creek.

Don River: Minor flooding continues to ease slowly at Mt Dangar and at Bowen Pump Station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3673

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Saturday, 25 December 2010 5:03 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 5:03 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HAUGHTON RIVER FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues in the Jericho area.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising in the Bremer River at Spressers Bridge.
Minor flood levels rising slowly in Warrill Creek in the Amberley area.
Isolated minor flooding continues in Woogaroo and Oxley Creeks.

Sunshine Coast: Minor flooding occurring in Paynter Creek at Diddillibah and in the Mooloolah River at Jordan Street.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Rises and minor flooding are occurring along the Bowen River downstream of Jacks Creek.

Don River: Minor flooding continues to ease slowly at Mt Dangar and at Bowen Pump Station.

Johnstone River: Minor flooding easing in the North Johnstone River at McAvoy Bridge.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 25 December 2010 7:08 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:07 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HAUGHTON RIVER FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues in the Jericho area.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising in the Bremer River at Spressers Bridge. Minor flood levels rising slowly in Warrill Creek in the Amberley area. Isolated minor flooding continues in Woogaroo and Oxley Creeks.

Sunshine Coast: Minor flooding occurring in Paynter Creek at Diddillibah and in the Mooloolah River at Jordan Street.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Rises and minor flooding are occurring along the Bowen River downstream of Jacks Creek.

Don River: Minor flooding continues at Mt Dangar.

Johnstone River: Minor flooding easing in the North Johnstone River at McAvoy Bridge.

Russell-Mulgrave Rivers: Minor flooding easing on the Mulgrave River, with moderate flooding also easing on the Russell River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 25 December 2010 11:14 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Widespread Damaging/Hazardous Winds, Locally Destructive Winds, Flash Flooding, Abnormally High Tides/Dangerous Surf For people about the east coast between Ingham and the NSW border, extending inland to the eastern Northern Goldfields and Upper Flinders, the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Issued at 11:10 pm on Saturday 25 December 2010

Synoptic Situation: At 10:00 pm EST Ex-Tropical Cyclone Tasha had weakened into a broad rain depression north of Hughenden and was moving southwest at around 30 kilometres per hour. A 1020 hPa high in the southern Tasman Sea extended a firm ridge onto the Queensland east coast south of the cyclone.

Heavy rainfall and associated flooding will continue in coastal areas between Ingham and Bundaberg tonight, extending inland to southeastern parts of the Northern Goldfields and Upper Flinders, and through eastern parts of the Central Highlands and Coalfields district.

On Sunday this heavy rainfall is forecast to move south between Mackay and the NSW border on the east coast and inland through the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Recent Events:
Rainfall of 80 to 130mm inland from Mackay since 9am Saturday. Increasing rainfall being observed on radar through the Capricornia district.
The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5 am Sunday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 25 December 2010 11:19 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Heavy rainfall
For people about the east coast between Ingham and the NSW border, extending inland to the eastern Northern Goldfields and Upper Flinders, the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Issued at 11:20 pm on Saturday 25 December 2010

Synoptic Situation: At 10:00 pm EST Ex-Tropical Cyclone Tasha had weakened into a broad rain depression north of Hughenden and was moving southwest at around 30 kilometres per hour. A 1020 hPa high in the southern Tasman Sea extended a firm ridge onto the Queensland east coast south of the cyclone.

Heavy rainfall and associated flooding will continue in coastal areas between Ingham and Bundaberg tonight, extending inland to southeastern parts of the Northern Goldfields and Upper Flinders, and through eastern parts of the Central Highlands and Coalfields district.

On Sunday this heavy rainfall is forecast to move south between Mackay and the NSW border on the east coast and inland through the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Recent Events:
Rainfall of 80 to 130mm inland from Mackay since 9am Saturday. Increasing rainfall being observed on radar through the Capricornia district.
The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5 am Sunday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Sunday, 26 December 2010 4:45 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Heavy rainfall
For people about the east coast between Mackay and the NSW border, extending inland to the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Issued at 4:45 am on Sunday 26 December 2010

Synoptic Situation: At 4:00 am EST Ex-Tropical Cyclone Tasha had weakened into a broad rain depression northwest of Hughenden and was moving southwest at around 30 kilometres per hour. A 1021 hPa high in the southern Tasman Sea extended a firm ridge onto the Queensland east coast.

Heavy rainfall is forecast to move south between Mackay and the NSW border on the east coast and inland through the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Recent Events:
Rainfall of up to 160mm inland from Mackay and 130mm at Rockhampton since 9am Saturday. Increasing rainfall being observed on radar through the Capricornia and Wide Bay and Burnett districts.
The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11 am Sunday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

ICC.005.3880

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 26 December 2010 6:51 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:50 AM on Sunday the 26th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BOHLE RIVER FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HAUGHTON RIVER FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding rising slowly between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues between Jericho and Mascot.

Macintyre River: Moderate flooding easing slowly at Terrewah.

Logan River: Minor flooding easing at Rathdowney.

Brisbane River: Minor flooding rising in the upper Brisbane River at Linville and Devon Hills. Minor flooding occurring along the Bremer River between Spressers Bridge and Three Mile Bridge. Minor flooding generally easing along Warrill Creek between Harrisville and Amberley. Isolated minor flooding easing in Oxley Creek.

Sunshine Coast: Minor flooding continues in Paynter Creek at Diddillibah.

Don River: Minor flooding continues between Mt Dangar and Bowen Pump Station.

Russell-Mulgrave Rivers: Minor flooding continues on the Mulgrave River at The Fisheries. Minor flooding easing on the Russell River between Bucklands and Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 26 December 2010 8:33 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:32 AM on Sunday the 26th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BOHLE RIVER FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HAUGHTON RIVER FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues between Jericho and Mascot.

Macintyre River: Moderate flooding easing slowly at Terrewah.

Logan River: Minor flooding easing at Rathdowney.

Brisbane River: Minor flooding rising in the upper Brisbane River at Linville and Devon Hills. Minor flooding occurring along the Bremer River between Spressers Bridge and Three Mile Bridge. Minor flooding generally easing along Warrill Creek between Harrisville and Amberley. Isolated minor flooding easing in Oxley Creek.

Sunshine Coast: Minor flooding continues in Paynter Creek at Diddillibah.

Kolan River: Minor flooding rising at Fred Haigh Dam.

Russell-Mulgrave Rivers: Minor flooding continues on the Mulgrave River at The Fisheries. Minor flooding easing on the Russell River between Bucklands and Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3669

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Sunday, 26 December 2010 9:54 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Heavy rainfall
For people about the northern Herbert and Burdekin, and about the east coast between Mackay and the NSW border, extending inland to the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Issued at 9:55 am on Sunday 26 December 2010

Synoptic Situation: At 9:00 am the monsoon trough sat from northwest Queensland to the southern interior with rain areas to its east. A 1019 hPa high over New Zealand extended a ridge onto the Queensland east coast.

Localised heavy rainfall is occurring about the northern Herbert and Burdekin district and is forecast to ease during the afternoon.

Widespread heavy rainfall is occurring and forecast to further develop on the east coast between Mackay and the NSW border and inland through the Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Recent Events:
Rainfall of up to 160mm inland from Mackay and 130mm at Rockhampton since 9am Saturday. Increasing rainfall being observed on radar through the Capricornia, Wide Bay and Burnett and Maranoa and Warrego districts.
The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5 pm Sunday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 26 December 2010 11:56 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:55 AM on Sunday the 26th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BOHLE RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HAUGHTON RIVER FLOOD
WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE PIONEER RIVER FLOOD WARNING FOR
THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues between Jericho and Mascot.

Macintyre River: Moderate flooding easing slowly at Terrewah.

Logan River: Minor flooding rising at Rathdowney.

Brisbane River: Minor flooding rising in the upper Brisbane River at Devon Hills. Minor flooding occurring along the Bremer River between Spressers Bridge and Three Mile Bridge. Minor flooding generally easing along Warrill Creek between Churchbank Weir and Amberley. Isolated minor flooding easing in Oxley Creek.

Sunshine Coast: Minor flooding continues in Paynter Creek at Diddillibah.

Kolan River: Minor flooding rising at Fred Haigh Dam.

Russell-Mulgrave Rivers: Minor flooding continues on the Mulgrave River at The Fisheries. Minor flooding easing on the Russell River between Bucklands and Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Sunday, 26 December 2010 2:51 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Heavy rainfall
For people about the east coast between St Lawrence and the NSW border, extending inland to the southern Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Issued at 2:50 pm on Sunday 26 December 2010

Synoptic Situation: At 2:00 pm the monsoon trough sat from northwest Queensland to the southern interior with rain areas to its east. A 1019 hPa high over New Zealand extended a ridge onto the Queensland east coast.

Widespread rainfall is forecast to become heavy late today or tonight on the east coast between St Lawrence and the NSW border and inland through the southern Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Recent Events:
Rainfall rates over eastern Queensland have generally eased today.
The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5 pm Sunday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 26 December 2010 4:46 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Heavy rainfall
For people about the east coast between St Lawrence and the NSW border, extending inland to the southern Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Issued at 4:45 pm on Sunday 26 December 2010

Synoptic Situation: At 2:00 pm the monsoon trough sat from northwest Queensland to the southern interior with rain areas to its east. A 1019 hPa high over New Zealand extended a ridge onto the Queensland east coast.

Widespread rainfall is forecast to become heavy late today or tonight on the east coast between St Lawrence and the NSW border and inland through the southern Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Recent Events:
Rainfall rates over eastern Queensland have generally eased today.
The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11 pm Sunday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

ICC.005.3877

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Sunday, 26 December 2010 6:24 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:23 PM on Sunday the 26th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BOHLE RIVER FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT FLOOD WARNING FOR THE BURNETT CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HAUGHTON RIVER FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER FINAL FLOOD WARNING FOR THE PIONEER RIVER

See flood warnings for more detail at www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues between Jericho and Mascot.

Macintyre River: Moderate flooding easing slowly at Terrewah.

Logan River: Minor flooding rising at Rathdowney.

Brisbane River: Minor flooding rising in the upper Brisbane River between Linville and Devon Hills. Rises and minor flooding occurring along the Bremer River between Spressers Bridge and One Mile Bridge. Minor flooding rising along the Warrill Creek between Harrisville and Amberley. Minor flooding rising in Woogaroo Creek at Opossum. Isolated minor flooding in Oxley Creek.

Sunshine Coast: Minor flooding continues in Paynter Creek at Diddillibah.

Russell-Mulgrave Rivers: Minor flooding esing on the Mulgrave River at The Fisheries and on the Russell River between Bucklands and Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 26 December 2010 10:35 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Heavy rainfall
For people about the east coast between St Lawrence and the NSW border, extending inland to the southern Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Issued at 10:35 pm on Sunday 26 December 2010

Synoptic Situation: At 9:00 pm the monsoon trough sat from northwest Queensland to the southern interior with rain areas to its east. A 1019 hPa high over New Zealand extended a ridge onto the Queensland east coast.

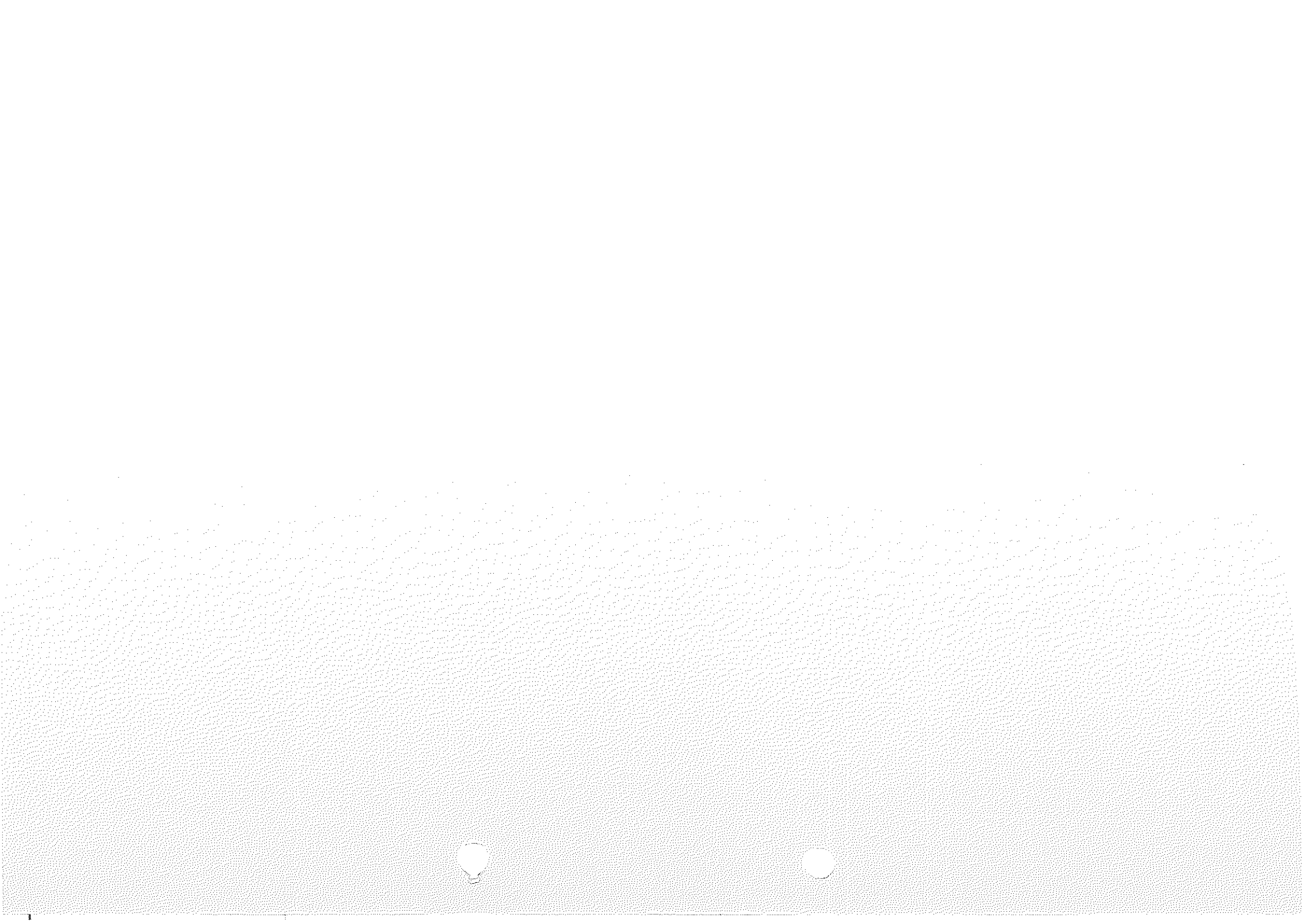
Widespread rainfall is likely to become heavy again on Monday on the east coast between St Lawrence and the NSW border and inland through the southern Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Recent Events:
Rainfall totals since 9am Sunday: Up to 150mm in southwest parts of the Central Highland and Coalfields, Up to 80mm to the west and south of Bundaberg, widespread falls of 60 to 110mm about the Gold Coast and adjacent hinterland.
The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5am Monday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 4:44 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Heavy rainfall
For people about the east coast between St Lawrence and the NSW border, extending inland to the southern Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Issued at 4:41 am on Monday 27 December 2010

Synoptic Situation: At 3:00 am Monday the monsoon trough was lying from northwest Queensland to the southern interior areas of rain to its east. A high near New Zealand extended a weak ridge onto the Queensland east coast.

Widespread rainfall is likely to become heavy again on Monday on the east coast between St Lawrence and the NSW border and inland through the southern Central Highlands and Coalfields, the northeast Maranoa and Warrego and the northern Darling Downs and Granite Belt districts.

Recent Events:
Rainfall totals since 9am Sunday: Up to 190mm in southwest parts of the Central Highlands and Coalfields, Up to 80mm to the west and south of Bundaberg, up to 110mm about the Gold Coast and widespread falls of 50 to 80mm across southern parts of the Southeast Coast and Darling Downs and Granite Belt districts.
The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Monday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

ICC.005.3875

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Monday, 27 December 2010 5:19 AM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS Issued at 5:19 AM on Monday the 27th of December 2010 by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall of between 50-70mm has been recorded in the Bremer River and Lockyer, Laidley and Warrill Creek catchments since 9am Sunday. River level rises causing moderate to major flooding has been recorded along Laidley and Warrill Creeks and along the Bremer River above Ipswich. Minor to moderate flooding is being recorded along Lockyer Creek downstream to Lyon's Bridge.

Further river level rises are expected within the area during Monday with the Bremer River at Ipswich expected to reach the minor flood level of 8 metres Monday evening. A Severe Weather Warning is current for the region with further rainfall expected during Monday.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach the minor flood level of 8 metres Monday evening.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Lockyer Ck at Helidon *	3.93m falling	02:30 AM MON 27/12/10
Lockyer Ck at Helidon #	3.98m steady	04:39 AM MON 27/12/10
Tenthill Ck at Tenthill #	3.82m rising	04:51 AM MON 27/12/10
Lockyer Ck at Gatton *	9.38m rising	02:40 AM MON 27/12/10
Lockyer Ck at Gatton #	13.7m falling	04:46 AM MON 27/12/10
Laidley Ck at Mulgowie *	5.36m falling	03:00 AM MON 27/12/10
Laidley Ck at Laidley	6.8m rising fast	09:10 PM SUN 26/12/10
Laidley Ck at Showground Weir *	9.19m falling	02:40 AM MON 27/12/10
Laidley Ck at Showground Weir #	8.06m falling	04:50 AM MON 27/12/10
Bill Gunn Dam #	110.03m steady	02:16 AM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.59m rising	03:30 AM MON 27/12/10
Lockyer Ck at Glenore Grove #	11.12m rising	04:51 AM MON 27/12/10
Lockyer Ck at Lyons Br #	10.67m rising	04:49 AM MON 27/12/10
Lockyer Ck at Lyons Br #	10.36m rising	04:52 AM MON 27/12/10
Atkinson Dam #	65.77m steady	03:38 AM MON 27/12/10
Lockyer Ck at O'Reilly's Weir *	9.39m steady	03:00 AM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	9.6m rising	04:49 AM MON 27/12/10
Brisbane R at Lowood Pump Stn #	4.45m falling	04:14 AM MON 27/12/10
Brisbane R at Savages Crossing *	5.42m falling	02:40 AM MON 27/12/10
Brisbane R at Savages Crossing #	5.33m falling	04:39 AM MON 27/12/10
Brisbane R at Burtons Br #	4.74m falling	04:41 AM MON 27/12/10
Cabbage Tree Ck at L Manchester #	51.51m rising	04:16 AM MON 27/12/10
Brisbane R at Kholo Br #	-1.31m rising	04:38 AM MON 27/12/10
Brisbane R at Mt Crosby #	8.66m rising	04:52 AM MON 27/12/10
Brisbane R at Colleges Crossing #	5.36m rising	04:51 AM MON 27/12/10
Bremer R at Adams Br *	3.13m falling	03:10 AM MON 27/12/10
Bremer R at Adams Br #	3.03m rising	04:34 AM MON 27/12/10

ICC.005.3598

Bremer R at Stokes Crossing #	3.75m falling	04:32 AM MON 27/12/10
Bremer R at Spressers Br #	5.87m rising	04:49 AM MON 27/12/10
Spring Ck at Greys Plains Rd #	2.29m falling	04:40 AM MON 27/12/10
Western Ck at Grandchester #	3.03m rising	04:45 AM MON 27/12/10
Western Ck at Kuss Rd #	7.12m falling	04:51 AM MON 27/12/10
Western Ck at Rosewood WWTP #	6.88m falling	03:37 AM MON 27/12/10
Bremer R at Rosewood	4.3m rising	03:00 PM SUN 26/12/10
Bremer R at Rosewood#	6.06m steady	04:51 AM MON 27/12/10
Bremer R at Rosewood #	6.08m rising	03:42 AM MON 27/12/10
Bremer R at Five Mile Br Walloon #	6.44m rising	04:49 AM MON 27/12/10
Bremer R at Walloon DERM *	6.65m rising	03:00 AM MON 27/12/10
Bremer R at Three Mile Br #	18.2m rising	04:41 AM MON 27/12/10
Reynolds Ck at Moogerah Dam *	1.01m steady	02:30 AM MON 27/12/10
Reynolds Ck at Moogerah Dam #	155.98m rising	04:15 AM MON 27/12/10
Warrill Ck at Toohills Crossing *	1.9m rising	02:40 AM MON 27/12/10
Warrill Ck at Kalbar Weir HW #	77.93m falling	04:39 AM MON 27/12/10
Warrill Ck at Kalbar Weir HW *	78.29m falling	02:30 AM MON 27/12/10
Warrill Ck at Kalbar Weir TW *	7.95m falling	02:40 AM MON 27/12/10
Warrill Ck at Harrisville #	5.38m rising	03:47 AM MON 27/12/10
Warrill Ck at Harrisville#	5.25m rising	04:22 AM MON 27/12/10
Warrill Ck at Churchbank Weir *	2.78m rising	02:15 AM MON 27/12/10
Warrill Ck at Churchbank Weir #	2.87m rising	04:35 AM MON 27/12/10
Warrill Ck at Greens Rd Amberley #	6.18m rising	04:50 AM MON 27/12/10
Warrill Ck at Amberley DNR *	6.92m rising	02:40 AM MON 27/12/10
Purga Ck at Peak Crossing #	3.31m falling	04:43 AM MON 27/12/10
Purga Ck at Loamside #	6.44m steady	04:50 AM MON 27/12/10
Purga Ck at Loamside *		

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3599

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 5:22 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS Issued at 5:21 AM on Monday the 27th of December 2010 by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall of between 50-70mm has been recorded in the Bremer River and Lockyer, Laidley and Warrill Creek catchments since 9am Sunday. River level rises causing moderate to major flooding has been recorded along Laidley and Warrill Creeks and along the Bremer River above Ipswich. Minor to moderate flooding is being recorded along Lockyer Creek downstream to Lyon's Bridge.

Further river level rises are expected within the area during Monday with the Bremer River at Ipswich expected to reach the minor flood level of 8 metres Monday evening. A Severe Weather Warning is current for the region with further rainfall expected during Monday.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach the minor flood level of 8 metres Monday evening.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Lockyer Ck at Helidon *	3.93m falling	02:30 AM MON 27/12/10
Lockyer Ck at Helidon #	4m rising	05:12 AM MON 27/12/10
Flagstone Ck at Brown-Zirbels Rd *	4.34m rising	02:40 AM MON 27/12/10
Sandy Creek at Sandy Creek Road #	NA	
Ma Ma Ck at Harm's *	3m falling	02:00 AM MON 27/12/10
Tenthill Ck at Tenthill *	3.74m falling	04:09 AM MON 27/12/10
Tenthill Ck at Tenthill #	3.88m rising	05:18 AM MON 27/12/10
Lockyer Ck at Gatton *	9.38m rising	02:40 AM MON 27/12/10
Lockyer Ck at Gatton	NA	
Lockyer Ck at Gatton #	13.88m rising	05:19 AM MON 27/12/10
Laidley Ck at Thornton	NA	
Laidley Ck at Mulgowie *	5.46m rising	04:30 AM MON 27/12/10
Laidley Ck at Laidley	6.8m rising fast	09:10 PM SUN 26/12/10
Laidley Ck at Showground Weir *	9.19m falling	02:40 AM MON 27/12/10
Laidley Ck at Showground Weir #	7.74m falling	05:20 AM MON 27/12/10
Bill Gunn Dam #	110.03m steady	05:15 AM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.71m rising	04:00 AM MON 27/12/10
Lake Clarendon Dam #	NA	
Lockyer Ck at Glenore Grove #	11.38m rising	05:17 AM MON 27/12/10
Lockyer Ck at Lyons Br	NA	
Lockyer Ck at Lyons Br #	10.91m rising	05:19 AM MON 27/12/10
Lockyer Ck at Lyons Br #	10.56m rising	05:19 AM MON 27/12/10
Lockyer Ck at Rifle Range Rd *	NA	
Atkinson Dam #	65.77m steady	03:38 AM MON 27/12/10
Buaraba Ck #	NA	
Lockyer Ck at O'Reilly's Weir *	9.53m rising	04:00 AM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	9.66m rising	05:15 AM MON 27/12/10

ICC.005.3596

Brisbane R at Lowood Pump Stn #	4.45m falling	04:14 AM MON 27/12/10
Brisbane R at Lowood	NA	
Brisbane R at Lowood #	NA	
Brisbane R at Savages Crossing *	5.42m falling	02:40 AM MON 27/12/10
Brisbane R at Savages Crossing #	5.31m falling	05:09 AM MON 27/12/10
Black Snake Ck at Marburg #	NA	
Brisbane R at Burtons Br #	4.72m falling	05:11 AM MON 27/12/10
Cabbage Tree Ck at L Manchester #	51.51m rising	04:16 AM MON 27/12/10
Brisbane R at Kholo Br #	-1.29m rising	04:59 AM MON 27/12/10
Brisbane R at Mt Crosby	NA	
Brisbane R at Mt Crosby *	NA	
Brisbane R at Mt Crosby #	8.68m steady	05:20 AM MON 27/12/10
Brisbane R at Mt Crosby #	8.66m steady	04:59 AM MON 27/12/10
Brisbane R at Colleges Crossing #	5.36m rising	04:51 AM MON 27/12/10
Bremer R at Adams Br *	3.09m falling	04:00 AM MON 27/12/10
Bremer R at Adams Br #	3.05m rising	05:16 AM MON 27/12/10
Bremer R at Stokes Crossing	NA	
Bremer R at Stokes Crossing #	3.65m falling	05:15 AM MON 27/12/10
Bremer R at Spressers Br #	5.82m falling	04:55 AM MON 27/12/10
Spring Ck at Greys Plains Rd #	2.09m falling	05:16 AM MON 27/12/10
Western Ck at Grandchester #	3.13m rising	05:07 AM MON 27/12/10
Western Ck at Kuss Rd	NA	
Western Ck at Kuss Rd #	7.04m falling	05:18 AM MON 27/12/10
Western Ck at Rosewood WWTP #	6.83m falling	04:53 AM MON 27/12/10
Bremer R at Rosewood	4.3m rising	03:00 PM SUN 26/12/10
Bremer R at Rosewood#	6.06m steady	04:51 AM MON 27/12/10
Bremer R at Rosewood #		

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3597

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 10:14 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS Issued at 10:13 AM on Monday the 27th of December 2010 by the Bureau of Meteorology, Brisbane.

Fast rises are causing areas of moderate to major flooding in Laidley, Lockyer and Warrill Creeks and in the Bremer River. A moderate flood peak is expected in the Bremer River at Ipswich later this afternoon.

LAIDLEY AND LOCKYER CREEKS:

The main flood peak in Lockyer Creek is currently in the Glenore Grove area causing moderate flooding. Rises will continue downstream at Lyons Bridge with a major flood peak expected during Monday afternoon.

Moderate to major flooding has generally peaked in Laidley Creek.

BREMER RIVER:

The main peak in the Bremer River is now in the Walloon area with a moderate flood peak of around 10 metres now expected in the Bremer river at the David Trumpy Bridge later this afternoon. Further heavy rainfall is forecast and higher levels are possible.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach 10 metres by 3pm Monday.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 2pm Monday.

Latest River Heights:

Lockyer Ck at Helidon *	3.99m falling	08:10 AM MON 27/12/10
Lockyer Ck at Gatton *	9.72m rising	08:20 AM MON 27/12/10
Lockyer Ck at Gatton #	13.94m rising	10:01 AM MON 27/12/10
Laidley Ck at Mulgowie *	5.45m falling	08:00 AM MON 27/12/10
Laidley Ck at Laidley	6.5m falling slowly	07:30 AM MON 27/12/10
Laidley Ck at Showground Weir #	7.32m falling	09:59 AM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.96m steady	08:00 AM MON 27/12/10
Lockyer Ck at Glenore Grove #	12.7m rising	09:57 AM MON 27/12/10
Lockyer Ck at Lyons Br #	12.99m rising	09:58 AM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	10.16m rising	09:49 AM MON 27/12/10
Western Ck at Rosewood WWTP #	6.48m falling	09:55 AM MON 27/12/10
Bremer R at Rosewood#	5.76m falling	09:12 AM MON 27/12/10
Bremer R at Five Mile Br Walloon #	6.98m rising	08:49 AM MON 27/12/10
Bremer R at Walloon DERM *	7.81m rising	08:00 AM MON 27/12/10
Bremer R at Three Mile Br #	20.35m rising	09:56 AM MON 27/12/10

ICC.005.3594

Warrill Ck at Kalbar	8.7m falling slowly	09:00 AM MON 27/12/10
Warrill Ck at Amberley DNR *	7.08m rising	08:00 AM MON 27/12/10
Bremer R at Berry's Lagoon *	22.52m rising	08:15 AM MON 27/12/10
Bremer R at One Mile Br #	14.35m rising	10:02 AM MON 27/12/10
Bremer R at Hancocks Br Brassall #	11.13m rising	10:03 AM MON 27/12/10
Bremer R at Ipswich #	6.75m rising	10:03 AM MON 27/12/10

*,# automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3595

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 11:01 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:00 AM on Monday the 27th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HAUGHTON RIVER FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Magnificent Creek: Moderate flood levels are rising slowly at Kowanyama Airport.

Bohle River: Minor flooding is easing at Hervey Range Road.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Moonie River: Minor flooding continues between Nindigully and Fenton with moderate flooding rising in the upper Moonie River at The Deep Crossing.

Weir River: Minor flooding continues between Jericho and Mascot and in the upper Weir River at O'Connor.

Macintyre River: Minor flooding easing at Terrewah.

Russell River: Minor flooding easing on the Russell River at Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 11:41 AM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Flash Flooding
For people in the southern Central Highlands and Coalfields, northeastern Maranoa and Warrego, Darling Downs and Granite Belt, Southeast Coast, Wide Bay and Burnett and Capricornia districts.

Issued at 11:40 am on Monday 27 December 2010

Synoptic Situation: At 10am, the monsoon trough extended across Queensland interior from the northeast of the state down into the southeast interior. The trough is forecast to retreat northwards over the next couple of days.

Widespread rainfall is expected to continue and flash flooding is likely throughout the southern Central Highlands and Coalfields, northeast Maranoa and Warrego, Darling Downs and Granite Belt, Southeast Coast and Wide Bay and Burnett and Capricornia districts today.

The rainfall is expected to contract out of the Maranoa and Warrego and Darling Downs and Granite Belt districts by Monday.

Recent Events:
- Generally 150 to 250mm of rainfall was recorded in the 24 hours to 9am Monday in southern parts of the Central Highlands and Coalfields district, including 274mm at Carnarvon.
- Generally 50 to 100mm of rainfall was recorded in the 24 hours to 9am Monday across the Darling Downs and Granite Belt and Southeast Coast districts.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5pm Monday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 11:45 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Flash Flooding
For people in the southern Central Highlands and Coalfields, northeastern Maranoa and Warrego, Darling Downs and Granite Belt, Southeast Coast, Wide Bay and Burnett and Capricornia districts.

Issued at 11:45 am on Monday 27 December 2010

Synoptic Situation: At 10am, the monsoon trough extended across Queensland interior from the northeast of the state down into the southeast interior. The trough is forecast to retreat northwards over the next couple of days.

Widespread rainfall is expected to continue and flash flooding is likely throughout the southern Central Highlands and Coalfields, northeast Maranoa and Warrego, Darling Downs and Granite Belt, Southeast Coast and Wide Bay and Burnett and Capricornia districts today.

The rainfall is expected to contract out of the Maranoa and Warrego and Darling Downs and Granite Belt districts by Tuesday.

Recent Events:
- Generally 150 to 250mm of rainfall was recorded in the 24 hours to 9am Monday in southern parts of the Central Highlands and Coalfields district, including 274mm at Carnarvon.
- Generally 50 to 100mm of rainfall was recorded in the 24 hours to 9am Monday across the Darling Downs and Granite Belt and Southeast Coast districts.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5pm Monday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 2:30 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS Issued at 2:29 PM on Monday the 27th of December 2010 by the Bureau of Meteorology, Brisbane.

Fast rises are causing areas of moderate to major flooding in Laidley, Lockyer and Warrill Creeks and in the Bremer River. A moderate flood peak is expected in the Bremer River at Ipswich during this evening.

LAIDLEY AND LOCKYER CREEKS:

Further rainfall has been recorded since 9am which is producing some renewed rises in the upper reaches of the catchment. The main flood peak in Lockyer Creek is now downstream of the Glenore Grove area. Major flood levels will continue downstream at Lyons Bridge with a peak around 15.2 metres expected overnight Monday.

Moderate to major flooding has peaked in Laidley Creek.

BREMER RIVER:

A major flood peak of about 7 metres has been recorded in the Bremer River at the Five Mile Bridge with a moderate flood peak of around 10 metres now expected in the Bremer river at the David Trumpy Bridge during this evening. Further heavy rainfall is forecast and higher levels are possible.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach around 10 metres Monday evening.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 6pm Monday.

Latest River Heights:

Lockyer Ck at Helidon #	4.56m rising	01:30 PM MON 27/12/10
Lockyer Ck at Gatton #	13.7m falling	01:13 PM MON 27/12/10
Laidley Ck at Mulgowie *	5.56m rising	12:00 PM MON 27/12/10
Laidley Ck at Laidley	6.5m falling slowly	07:30 AM MON 27/12/10
Laidley Ck at Showground Weir #	7.2m rising	01:29 PM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.84m falling	12:00 PM MON 27/12/10
Lockyer Ck at Glenore Grove #	12.72m falling	01:24 PM MON 27/12/10
Lockyer Ck at Lyons Br #	13.45m rising	01:22 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	10.46m steady	01:17 PM MON 27/12/10
Western Ck at Rosewood WWTP #	6.43m rising	01:28 PM MON 27/12/10
Bremer R at Rosewood #	5.5m falling	12:51 PM MON 27/12/10
Bremer R at Five Mile Br Walloon #	6.66m steady	01:27 PM MON 27/12/10
Bremer R at Three Mile Br #	20.8m rising	01:26 PM MON 27/12/10
Warrill Ck at Kalbar	8.7m falling slowly	09:00 AM MON 27/12/10

ICC.005.3592

Warrill Ck at Amberley DNR *	7.2m rising	11:40 AM MON 27/12/10
Bremer R at Berry's Lagoon *	23.19m rising	11:30 AM MON 27/12/10
Bremer R at One Mile Br #	14.8m rising	01:13 PM MON 27/12/10
Bremer R at Hancocks Br Brassall #	12.38m rising	01:30 PM MON 27/12/10
Bremer R at Ipswich #	7.75m rising	01:23 PM MON 27/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3593

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 4:18 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Flash Flooding
For people in the Central Highlands and Coalfields, northeastern Maranoa and Warrego, Darling Downs and Granite Belt, Southeast Coast, Wide Bay and Burnett and Capricornia districts.

Issued at 4:20 pm on Monday 27 December 2010

Synoptic Situation: At 4pm, the monsoon trough extended across the Queensland interior from the northwest down into the southeast of the state. The trough is forecast to retreat northwards over the next couple of days.

Widespread rainfall is expected to continue and flash flooding is likely throughout the Central Highlands and Coalfields, Southeast Coast, Wide Bay and Burnett and Capricornia districts during the remainder of today.

The rainfall is expected to ease overnight across the Southeast Coast district, while extending throughout the Central Highlands and Coalfields district on Tuesday. Widespread rainfall is otherwise expected to persist in all remaining districts.

Rain has eased in the northeastern Maranoa and Warrego and Darling Downs and Granite Belt districts and hence the warning for these districts is CANCELLED.

Recent Events:
- Generally 150 to 250mm of rainfall was recorded in the 24 hours to 9am Monday in southern parts of the Central Highlands and Coalfields district, including 274mm at Carnarvon.
- Generally 50 to 100mm of rainfall was recorded in the 24 hours to 9am Monday across the Darling Downs and Granite Belt and Southeast Coast districts.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Monday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 4:21 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for Flash Flooding
For people in the Central Highlands and Coalfields, northeastern Maranoa and Warrego, Darling Downs and Granite Belt, Southeast Coast, Wide Bay and Burnett and Capricornia districts.

Issued at 4:20 pm on Monday 27 December 2010

Synoptic Situation: At 4pm, the monsoon trough extended across the Queensland interior from the northwest down into the southeast of the state. The trough is forecast to retreat northwards over the next couple of days.

Widespread rainfall is expected to continue and flash flooding is likely throughout the southern Central Highlands and Coalfields, Southeast Coast, Wide Bay and Burnett and Capricornia districts during the remainder of today.

The rainfall is expected to ease overnight across the Southeast Coast district, while extending throughout the Central Highlands and Coalfields district on Tuesday. Widespread rainfall is otherwise expected to persist in all remaining districts.

Rain has eased in the northeastern Maranoa and Warrego and Darling Downs and Granite Belt districts and hence the warning for these districts is CANCELLED.

Recent Events:
- Generally 150 to 250mm of rainfall was recorded in the 24 hours to 9am Monday in southern parts of the Central Highlands and Coalfields district, including 274mm at Carnarvon.
- Generally 50 to 100mm of rainfall was recorded in the 24 hours to 9am Monday across the Darling Downs and Granite Belt and Southeast Coast districts.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Monday AEST

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

ICC.005.3871

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 5:58 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS Issued at 5:57 PM on Monday the 27th of December 2010 by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Monday has caused fast rises and areas of moderate to major flooding in Laidley, Lockyer and Warrill Creeks and in the Bremer River. A moderate flood peak is expected in the Bremer River at Ipswich during this evening.

LAIDLEY AND LOCKYER CREEKS:

Further heavy rainfall during the afternoon has caused renewed rises and moderate to major flooding in the upper reaches of Laidley and Lockyer Creeks.
Major flood levels will continue downstream at Lyons Bridge with further rises and a peak around 15.2 metres expected overnight Monday.

WARRILL CREEK:

Fast rises and major flooding is occurring in the Warrill Creek from Kalbar Weir to Amberley.

BREMER RIVER:

A major flood peak of about 7 metres has been recorded in the Bremer River at the Five Mile Bridge with a moderate flood peak of around 10 metres now expected in the Bremer river at the David Trumpy Bridge at Ipswich during this evening.

The heavy rainfall has now cleared the area with only lighter rain expected overnight.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach around 10 metres Monday evening.

Next Issue:
The next warning will be issued at about 9pm Monday.

Latest River Heights:

Lockyer Ck at Helidon #	5.16m falling	04:45 PM MON 27/12/10
Flagstone Ck at Brown-Zirbels Rd *	7.14m falling	02:40 PM MON 27/12/10
Tenthill Ck at Tenthill #	8.7m rising	04:45 PM MON 27/12/10
Lockyer Ck at Gatton #	14.72m falling	04:34 PM MON 27/12/10
Laidley Ck at Mulgowie *	8.97m rising	03:30 PM MON 27/12/10
Laidley Ck at Laidley	6.6m rising slowly	02:15 PM MON 27/12/10
Laidley Ck at Showground Weir #	8.72m rising	04:47 PM MON 27/12/10
Bill Gunn Dam #	110.07m steady	02:23 PM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.76m falling	03:00 PM MON 27/12/10
Lockyer Ck at Glenore Grove #	12.62m falling	04:42 PM MON 27/12/10
Lockyer Ck at Lyons Br #	13.85m rising	04:40 PM MON 27/12/10
Lockyer Ck at Lyons Br #	11.46m rising	04:46 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir *	10.67m rising	03:00 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	10.72m rising	04:38 PM MON 27/12/10
Brisbane R at Lowood Pump Stn #	5.45m rising	04:44 PM MON 27/12/10

ICC.005.3590

Bremer R at Adams Br *	4.43m rising	03:00 PM MON 27/12/10
Bremer R at Adams Br #	4.67m rising	04:43 PM MON 27/12/10
Bremer R at Stokes Crossing #	4.55m rising	04:30 PM MON 27/12/10
Bremer R at Spressers Br #	5.52m steady	04:25 PM MON 27/12/10
Spring Ck at Greys Plains Rd #	2.34m falling	04:46 PM MON 27/12/10
Western Ck at Grandchester #	4.43m falling	04:45 PM MON 27/12/10
Western Ck at Kuss Rd #	7.12m rising	04:42 PM MON 27/12/10
Western Ck at Rosewood WWTP #	6.48m rising	04:19 PM MON 27/12/10
Bremer R at Rosewood	5.4m rising slowly	03:05 PM MON 27/12/10
Bremer R at Rosewood#	5.46m steady	01:51 PM MON 27/12/10
Bremer R at Rosewood #	5.46m rising	04:24 PM MON 27/12/10
Bremer R at Five Mile Br Walloon #	6.28m falling	04:46 PM MON 27/12/10
Bremer R at Walloon DERM *	7.78m falling	03:00 PM MON 27/12/10
Bremer R at Three Mile Br #	20.7m falling	04:26 PM MON 27/12/10
Reynolds Ck at Moogerah Dam *	1.92m rising	02:40 PM MON 27/12/10
Reynolds Ck at Moogerah Dam #	157.08m rising	04:35 PM MON 27/12/10
Warrill Ck at Toohills Crossing *	6.07m rising	02:40 PM MON 27/12/10
Warrill Ck at Kalbar Weir HW #	79.73m rising	04:45 PM MON 27/12/10
Warrill Ck at Kalbar Weir HW *	79.24m rising	02:30 PM MON 27/12/10
Warrill Ck at Kalbar Weir TW *	8.55m rising	02:40 PM MON 27/12/10
Warrill Ck at Kalbar	10m rising fast	03:00 PM MON 27/12/10
Warrill Ck at Harrisville #	5.4m rising	04:35 PM MON 27/12/10
Warrill Ck at Churchbank Weir *	2.97m rising	02:00 PM MON 27/12/10
Warrill Ck at Churchbank Weir #	3.07m steady	04:28 PM MON 27/12/10
Warrill Ck at Greens Rd Amberley #	6.64m falling	04:44 PM MON 27/12/10
Purga Ck at Peak Crossing #	3.16m rising	04:41 PM MON 27/12/10
Purga Ck at Loamside #	5.99m steady	04:39 PM MON 27/12/10
Bremer R at Berry's Lagoon *	23.42m rising	02:30 PM MON 27/12/10
Bremer R at One Mile Br #	14.95m falling	04:21 PM MON 27/12/10
Bremer R at Hancocks Br Brassall #	12.63m steady	04:11 PM MON 27/12/10
Bremer R at Ipswich #	8.45m rising	04:46 PM MON 27/12/10

#, * denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3591

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 27 December 2010 9:24 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS Issued at 9:23 PM on Monday the 27th of December 2010 by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues in the Laidley, Lockyer and Warrill Creeks and the Bremer River. A minor flood peak of 8.5 metres is occurring at Ipswich.

LAIDLEY AND LOCKYER CREEKS:

Moderate to major flooding continues in the upper reaches of the Laidley and Lockyer Creeks. Major flood levels will continue downstream at Lyons Bridge with further rises and a peak around 15.2 metres expected overnight Monday.

WARRILL CREEK:

Major flooding in Warrill Creek from Kalbar Weir to Amberley will continue overnight then ease during Tuesday.

BREMER RIVER:

Minor flooding is easing in the upper reaches of the Bremer River. Moderate to major flooding continues between Spressers Bridge and Walloon. The Bremer River at Ipswich is now peaking at 8.5 metres and is expected to remain steady overnight and Tuesday.

The heavy rainfall has now cleared the area with only lighter rain expected overnight.

Next Issue:
The next warning will be issued at about 6am Tuesday.

Latest River Heights:

Lockyer Ck at Helidon #	5.16m falling	04:45 PM MON 27/12/10
Flagstone Ck at Brown-Zirbels Rd *	7.14m falling	02:40 PM MON 27/12/10
Tenthill Ck at Tenthill #	8.7m rising	04:45 PM MON 27/12/10
Lockyer Ck at Gatton #	14.72m falling	04:34 PM MON 27/12/10
Laidley Ck at Mulgowie *	8.97m rising	03:30 PM MON 27/12/10
Laidley Ck at Laidley	6.6m rising slowly	02:15 PM MON 27/12/10
Laidley Ck at Showground Weir #	8.72m rising	04:47 PM MON 27/12/10
Bill Gunn Dam #	110.07m steady	02:23 PM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.76m falling	03:00 PM MON 27/12/10
Lockyer Ck at Glenore Grove #	12.62m falling	04:42 PM MON 27/12/10
Lockyer Ck at Lyons Br #	13.85m rising	04:40 PM MON 27/12/10
Lockyer Ck at Lyons Br #	11.46m rising	04:46 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir *	10.67m rising	03:00 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	10.72m rising	04:38 PM MON 27/12/10
Brisbane R at Lowood Pump Stn #	5.45m rising	04:44 PM MON 27/12/10
Bremer R at Adams Br *	4.43m rising	03:00 PM MON 27/12/10
Bremer R at Adams Br #	4.67m rising	04:43 PM MON 27/12/10
Bremer R at Stokes Crossing #	4.55m rising	04:30 PM MON 27/12/10
Bremer R at Spressers Br #	5.52m steady	04:25 PM MON 27/12/10
Spring Ck at Greys Plains Rd #	2.34m falling	04:46 PM MON 27/12/10

ICC.005.3588

Western Ck at Grandchester #	4.43m falling	04:45 PM MON 27/12/10
Western Ck at Kuss Rd #	7.12m rising	04:42 PM MON 27/12/10
Western Ck at Rosewood WWTP #	6.48m rising	04:19 PM MON 27/12/10
Bremer R at Rosewood	5.4m rising slowly	03:05 PM MON 27/12/10
Bremer R at Rosewood#	5.46m steady	01:51 PM MON 27/12/10
Bremer R at Rosewood #	5.46m rising	04:24 PM MON 27/12/10
Bremer R at Five Mile Br Walloon #	6.28m falling	04:46 PM MON 27/12/10
Bremer R at Walloon DERM *	7.78m falling	03:00 PM MON 27/12/10
Bremer R at Three Mile Br #	20.7m falling	04:26 PM MON 27/12/10
Reynolds Ck at Moogerah Dam *	1.92m rising	02:40 PM MON 27/12/10
Reynolds Ck at Moogerah Dam #	157.08m rising	04:35 PM MON 27/12/10
Warrill Ck at Toohills Crossing *	6.07m rising	02:40 PM MON 27/12/10
Warrill Ck at Kalbar Weir HW #	79.73m rising	04:45 PM MON 27/12/10
Warrill Ck at Kalbar Weir HW *	79.24m rising	02:30 PM MON 27/12/10
Warrill Ck at Kalbar Weir TW *	8.55m rising	02:40 PM MON 27/12/10
Warrill Ck at Kalbar	10m rising fast	03:00 PM MON 27/12/10
Warrill Ck at Harrisville #	5.4m rising	04:35 PM MON 27/12/10
Warrill Ck at Churchbank Weir *	2.97m rising	02:00 PM MON 27/12/10
Warrill Ck at Churchbank Weir #	3.07m steady	04:28 PM MON 27/12/10
Warrill Ck at Greens Rd Amberley #	6.64m falling	04:44 PM MON 27/12/10
Bremer R at Berry's Lagoon *	23.42m rising	02:30 PM MON 27/12/10
Bremer R at One Mile Br #	14.95m falling	04:21 PM MON 27/12/10
Bremer R at Hancocks Br Brassall #	12.63m steady	04:11 PM MON 27/12/10
Bremer R at Ipswich #	8.45m rising	04:46 PM MON 27/12/10

#, * denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3589

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 28 December 2010 1:01 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 1:00 AM on Tuesday the 28th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BOHLE RIVER FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE HERBERT RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR RIVER FINAL FLOOD WARNING FOR THE HAUGHTON RIVER

See flood warning for more detail at www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Magnificent Creek: Moderate flood levels are rising slowly at Kowanyama Airport.

Flinders River: Minor flooding at Richmond.

Russell River: Minor flooding easing on the Russell River at Clyde Road.

Bohle River: Minor flood levels are rising at Hervey Range Road.

Haughton River Catchment: Minor flooding easing at Major Creek and Giru.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Blackwater Creek: Minor flooding at Adavale.

Macintyre River: Minor flooding falling at Barongarook and remaining steady at Terrewah.

Canning Creek: Major flooding rising at Woodspring.

Quart Pot Creek: Minor flooding easing at Stanthorpe.

Broadwater Creek: Minor flooding easing.

Severn River: Moderate flooding rising at Ballandean.

Mudgeeraba Creek: Minor flooding easing at Mudgeeraba.

Oxley Creek: Moderate flooding at Beatty Road.

Enoggera Reservoir: Minor flooding steady.

Mooloolah River: Minor flooding at Jordan St.

Paynter Creek: Minor flooding at Diddillibah.

ICC.005.3664

Six Mile Creek: Minor flooding at Cooran.

Doonan Creek: Minor flooding steady.

Mary River: Minor to moderate flooding on the Mary River between Gympie and Home Park.

Munna Creek: Moderate flooding at Marodian.

Burrum River: Minor flooding rising on the Burrum River at Howard.

Cherwell River: Minor flooding rising on the Cherwell River at Railway Bridge.

Gregory River: Moderate flooding on the Gregory River at Isis Highway.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3665

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 28 December 2010 5:36 AM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS Issued at 5:35 AM on Tuesday the 28th of December 2010 by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues in the Lockyer and Warrill Creeks and the Bremer River. A minor flood peak of 8.5 metres was recorded at Ipswich during Monday evening with some small further rises expected during Tuesday which will keep Ipswich River levels around the 8 metre mark.

LOCKYER CREEK:

Moderate to major flooding continues in Lockyer Creek. River level rises causing major flooding will continue in the Lyons Bridge area with a peak up to 16 metres expected during Tuesday.

WARRILL CREEK:

Moderate to major flooding is being recorded in Warrill Creek from Kalbar Weir to Amberley. Further small rises are expected during Tuesday morning with river levels expected to commence to ease during Tuesday afternoon.

BREMER RIVER:

Moderate to major flooding continues between Spressers Bridge and Walloon. The Bremer River at Ipswich peaked at 8.5 metres during Monday evening with a smaller second peak expected during Tuesday.

The heavy rainfall has now cleared the area with only lighter rain expected during Tuesday.

Next Issue:
The next warning will be issued at about noon Tuesday.

Latest River Heights:

Lockyer Ck at Helidon #	2.34m	falling	04:48 AM TUE 28/12/10
Flagstone Ck at Brown-Zirbels Rd *	3.35m	falling	02:40 AM TUE 28/12/10
Tenthill Ck at Tenthill #	3.5m	falling	04:54 AM TUE 28/12/10
Lockyer Ck at Gatton #	11.54m	falling	05:01 AM TUE 28/12/10
Laidley Ck at Mulgowie *	3.91m	falling	03:00 AM TUE 28/12/10
Laidley Ck at Laidley	8.8m	rising slowly	09:50 PM MON 27/12/10
Laidley Ck at Showground Weir #	5.88m	falling	04:56 AM TUE 28/12/10
Bill Gunn Dam #	110.05m	steady	02:15 AM TUE 28/12/10
Laidley Ck at Warrego Hwy *	6.37m	steady	03:00 AM TUE 28/12/10
Lockyer Ck at Glenore Grove #	13.22m	falling	05:03 AM TUE 28/12/10
Lockyer Ck at Lyons Br #	15.37m	rising	04:58 AM TUE 28/12/10
Lockyer Ck at O'Reilly's Weir #	11.34m	rising	05:04 AM TUE 28/12/10
Brisbane R at Lowood Pump Stn #	6.73m	rising	04:50 AM TUE 28/12/10
Brisbane R at Savages Crossing #	7.01m	rising	04:54 AM TUE 28/12/10
Brisbane R at Burtons Br #	5.7m	rising	04:56 AM TUE 28/12/10
Brisbane R at Kholo Br #	-0.59m	rising	04:42 AM TUE 28/12/10
Brisbane R at Mt Crosby #	8.98m	steady	04:59 AM TUE 28/12/10
Brisbane R at Colleges Crossing #	6.26m	steady	04:35 AM TUE 28/12/10
Bremer R at Adams Br #	2.03m	falling	04:55 AM TUE 28/12/10

ICC.005.3586

Bremer R at Stokes Crossing #	2.65m falling	05:03 AM TUE 28/12/10
Bremer R at Spressers Br #	5.52m falling	05:02 AM TUE 28/12/10
Spring Ck at Greys Plains Rd #	1.19m steady	03:50 AM TUE 28/12/10
Western Ck at Grandchester #	1.23m falling	04:55 AM TUE 28/12/10
Western Ck at Kuss Rd #	4.78m falling	05:02 AM TUE 28/12/10
Western Ck at Rosewood WWTP #	5.98m falling	05:03 AM TUE 28/12/10
Bremer R at Rosewood #	5.5m falling	05:00 AM TUE 28/12/10
Bremer R at Five Mile Br Walloon #	6.76m falling	04:55 AM TUE 28/12/10
Bremer R at Walloon DERM *	7.68m rising	03:00 AM TUE 28/12/10
Bremer R at Three Mile Br #	20.80m rising	04:41 AM TUE 28/12/10
Reynolds Ck at Moogerah Dam #	156.8m falling	04:40 AM TUE 28/12/10
Warrill Ck at Toohills Crossing *	0.83m rising	02:40 AM TUE 28/12/10
Warrill Ck at Kalbar Weir HW #	78.19m falling	05:03 AM TUE 28/12/10
Warrill Ck at Kalbar Weir TW *	8.28m falling	02:20 AM TUE 28/12/10
Warrill Ck at Kalbar	10.6m rising slowly	06:00 PM MON 27/12/10
Warrill Ck at Harrisville #	5.58m steady	05:00 AM TUE 28/12/10
Warrill Ck at Churchbank Weir #	3.32m steady	04:29 AM TUE 28/12/10
Warrill Ck at Greens Rd Amberley #	7.14m rising	04:53 AM TUE 28/12/10
Warrill Ck at Amberley DNR *	8.01m steady	02:40 AM TUE 28/12/10
Bremer R at Berry's Lagoon *	23.14m rising	02:30 AM TUE 28/12/10
Bremer R at One Mile Br #	14.85m steady	05:03 AM TUE 28/12/10
Bremer R at Hancocks Br Brassall #	12.23m rising	04:47 AM TUE 28/12/10
Bremer R at Ipswich #	8.05m rising	04:53 AM TUE 28/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.358

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 28 December 2010 7:33 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:32 AM on Tuesday the 28th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BOHLE RIVER FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR RIVER

See flood warning for more detail at www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Magnificent Creek: Moderate flood levels are rising slowly at Kowanyama Airport.

Flinders River: Moderate flooding at Richmond.

Murray River: Minor flooding easing at Murray Flats.

Herbert River: Minor flooding easing between Nash's Crossing and Abergowrie with moderate flooding easing at Halifax.

Don River: Minor flooding is easing between Ida Creek and Bowen Pump Station.

Blackwater Creek: Minor flooding rising at Adavale.

Macintyre River: Minor flooding falling at Barongarook and remaining steady at Terrewah.

Canning Creek: Major flooding easing at Woodspring.

Quart Pot Creek: Minor flooding easing in the Stanthorpe area.

Broadwater Creek: Minor flooding easing.

Severn River: Moderate flooding easing at Ballandean.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.366

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 28 December 2010 10:53 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:52 AM on Tuesday the 28th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR RIVER

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf River: Moderate flooding is occurring at Richmond in the Flinders River. Moderate flooding is rising slowly at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding is occurring at Adavale in Blackwater Creek.

Don River: Minor flooding continues to ease at Reeves and Bowen Pump Station.

Herbert River: Minor flooding continues to ease between Nash's Crossing and Abergowrie with moderate flooding also easing at Halifax.

Tully-Murray Rivers: Minor flooding continues to ease at Murray Flats in the Murray River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 28 December 2010 12:04 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS Issued at 12:03 PM on Tuesday the 28th of December 2010 by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues in the Lockyer and Warrill Creeks and the Bremer River. A second minor flood peak of 8.5 metres is expected at Ipswich during Tuesday afternoon.

LOCKYER CREEK:

Moderate to major flooding continues in Lockyer Creek. River level rises causing major flooding will continue in the Lyons Bridge area with a peak up to 16 metres expected during Tuesday.

WARRILL CREEK:

Major flooding is being recorded in Warrill Creek from Kalbar Weir to Amberley. Further small rises are expected during Tuesday morning with river levels expected to commence to ease during Tuesday afternoon. Minor flood levels continue to ease in the upper reaches of Warrill Creek between Moogerah Dam and the Junction Weir area.

BREMER RIVER:

Minor to moderate flooding continues between Spressers Bridge and Walloon. The Bremer River at Ipswich continues to slowly rise to a second minor flood peak around the 8.5 metre level during Tuesday.

The heavy rainfall has now cleared the area with only lighter rain is expected during Tuesday.

Next Issue:
The next warning will be issued at about 7pm Tuesday.

Latest River Heights:

Lockyer Ck at Helidon #	1.92m falling	11:06 AM TUE 28/12/10
Flagstone Ck at Brown-Zirbels Rd *	3.01m falling	08:10 AM TUE 28/12/10
Tenthill Ck at Tenthill #	3.1m falling	10:57 AM TUE 28/12/10
Lockyer Ck at Gatton #	7.96m steady	11:07 AM TUE 28/12/10
Laidley Ck at Mulgowie *	3.18m falling	09:00 AM TUE 28/12/10
Laidley Ck at Laidley	3.8m falling slowly	08:15 AM TUE 28/12/10
Laidley Ck at Showground Weir #	5.4m falling	11:07 AM TUE 28/12/10
Bill Gunn Dam #	110.03m steady	08:35 AM TUE 28/12/10
Laidley Ck at Warrego Hwy *	5.75m falling	09:00 AM TUE 28/12/10
Lockyer Ck at Glenore Grove #	11.22m falling	11:11 AM TUE 28/12/10
Lockyer Ck at Lyons Br #	15.87m rising	10:58 AM TUE 28/12/10
Lockyer Ck at O'Reilly's Weir #	11.76m falling	11:11 AM TUE 28/12/10
Brisbane R at Lowood Pump Stn #	7.33m rising	11:05 AM TUE 28/12/10
Brisbane R at Savages Crossing #	7.39m falling	11:12 AM TUE 28/12/10
Brisbane R at Burtons Br #	6m rising	10:59 AM TUE 28/12/10
Brisbane R at Kholo Br #	-0.39m rising	10:47 AM TUE 28/12/10
Brisbane R at Mt Crosby #	9.07m steady	11:05 AM TUE 28/12/10
Brisbane R at Colleges Crossing #	6.51m rising	10:44 AM TUE 28/12/10
Bremer R at Adams Br #	1.85m falling	10:31 AM TUE 28/12/10

ICC.005.3584

Bremer R at Stokes Crossing #	2.15m falling	11:03 AM TUE 28/12/10
Bremer R at Spressers Br #	4.87m falling	11:03 AM TUE 28/12/10
Spring Ck at Greys Plains Rd #	1.09m steady	09:50 AM TUE 28/12/10
Western Ck at Grandchester #	0.98m falling	09:58 AM TUE 28/12/10
Western Ck at Kuss Rd #	3.84m falling	11:07 AM TUE 28/12/10
Western Ck at Rosewood WWTP #	4.83m falling	11:10 AM TUE 28/12/10
Bremer R at Rosewood #	4.72m falling	11:06 AM TUE 28/12/10
Bremer R at Five Mile Br Walloon #	5.48m falling	11:10 AM TUE 28/12/10
Bremer R at Walloon DERM *	7.41m falling	09:00 AM TUE 28/12/10
Bremer R at Three Mile Br #	20.55m rising	11:11 AM TUE 28/12/10
Reynolds Ck at Moogerah Dam #	156.58m falling	10:49 AM TUE 28/12/10
Warrill Ck at Toohills Crossing *	0.06m rising	08:20 AM TUE 28/12/10
Warrill Ck at Kalbar Weir HW #	77.01m falling	11:06 AM TUE 28/12/10
Warrill Ck at Kalbar Weir TW *	7.27m falling	08:20 AM TUE 28/12/10
Warrill Ck at Kalbar	8.7m falling slowly	09:30 AM TUE 28/12/10
Warrill Ck at Harrisville #	5.28m steady	11:00 AM TUE 28/12/10
Warrill Ck at Churchbank Weir #	3.12m falling	10:31 AM TUE 28/12/10
Warrill Ck at Greens Rd Amberley #	7.32m rising	11:11 AM TUE 28/12/10
Warrill Ck at Amberley DNR *	8.15m rising	08:20 AM TUE 28/12/10
Purga Ck at Peak Crossing #	1.61m steady	11:08 AM TUE 28/12/10
Purga Ck at Loamside #	5.07m steady	11:13 AM TUE 28/12/10
Purga Ck at Loamside *	6.53m falling	08:20 AM TUE 28/12/10
Bremer R at Berry's Lagoon *	23.49m falling	08:15 AM TUE 28/12/10
Bremer R at One Mile Br #	14.9m falling	11:04 AM TUE 28/12/10
Bremer R at Hancocks Br Brassall #	12.73m rising	11:05 AM TUE 28/12/10
Bremer R at Ipswich #	8.45m falling	11:08 AM TUE 28/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3585

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 28 December 2010 12:11 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 12:10 PM on Tuesday the 28th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf River: Moderate flooding is occurring at Richmond in the Flinders River. Moderate flooding is rising slowly at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding is occurring at Adavale in Blackwater Creek.

Don River: Minor flooding continues to ease at Reeves and Bowen Pump Station.

Herbert River: Minor flooding continues to ease between Nash's Crossing and Abergowrie with moderate flooding also easing at Halifax.

Lully-Murray Rivers: Minor flooding continues to ease at Murray Flats in the Murray River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 28 December 2010 7:52 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BRISBANE RIVER BELOW WIVENHOE
Issued at 7:52 PM on Tuesday the 28th of December 2010 by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is easing along Lockyer and Warrill Creeks. Minor flooding is expected along the Brisbane River between Wivenhoe Dam and Mt Crosby Weir this week.

LOCKYER CREEK:

Major flood levels have peak in the Lyons Bridge area at 16 metres. Levels will now fall overnight and during Wednesday.

WARRILL CREEK:

Major flooding is being recorded in Warrill Creek from Harrisville to Amberley. Creek levels are now falling and are expected to continue to do so overnight. Minor flood levels continue to ease in the upper reaches of Warrill Creek between Moogerah Dam and the Kalbar area.

BREMER RIVER:

Flood levels along the Bremer River are expected to fall below minor flood levels overnight.

BRISBANE RIVER BELOW WIVENHOE
SEQ Water advises that releases have started from Wivenhoe dam. The releases, combined with Lockyer Creek flows are expected to result in minor flooding downstream to Mt Crosby Weir into the weekend.

Next Issue:
The next warning will be issued at about 7:30am Wednesday.

Latest River Heights:

Lockyer Ck at Helidon *	1.67m falling	05:40 PM TUE 28/12/10
Lockyer Ck at Helidon #	1.64m falling	06:36 PM TUE 28/12/10
Flagstone Ck at Brown-Zirbels Rd *	2.64m falling	05:20 PM TUE 28/12/10
Ma Ma Ck at Harm's *	2.19m falling	05:10 PM TUE 28/12/10
Tenthill Ck at Tenthill *	2.89m falling	05:00 PM TUE 28/12/10
Tenthill Ck at Tenthill #	2.8m falling	06:39 PM TUE 28/12/10
Lockyer Ck at Gatton *	5.13m falling	05:40 PM TUE 28/12/10
Lockyer Ck at Gatton #	6.62m steady	06:46 PM TUE 28/12/10
Laidley Ck at Mulgowie *	2.7m falling	05:00 PM TUE 28/12/10
Laidley Ck at Laidley	3.8m falling slowly	08:15 AM TUE 28/12/10
Laidley Ck at Showground Weir *	5.22m falling	05:20 PM TUE 28/12/10
Laidley Ck at Showground Weir #	5.2m falling	06:04 PM TUE 28/12/10
Bill Gunn Dam #	110.01m steady	05:17 PM TUE 28/12/10
Laidley Ck at Warrego Hwy *	4.85m falling	05:00 PM TUE 28/12/10
Lockyer Ck at Glenore Grove #	8.46m falling	06:55 PM TUE 28/12/10
Lockyer Ck at Lyons Br #	15.39m falling	06:49 PM TUE 28/12/10
Lockyer Ck at Lyons Br #	12.62m rising	01:01 AM TUE 28/12/10
Lockyer Ck at Rifle Range Rd *	15.71m falling	05:40 PM TUE 28/12/10
Lockyer Ck at O'Reilly's Weir #	12.1m falling	06:54 PM TUE 28/12/10
Brisbane R at Lowood Pump Stn #	8.31m rising	06:50 PM TUE 28/12/10

Brisbane R at Savages Crossing *	7.98m rising	05:30 PM TUE 28/12/10
Brisbane R at Savages Crossing #	8.15m rising	06:51 PM TUE 28/12/10
Brisbane R at Burtons Br #	6.48m rising	06:50 PM TUE 28/12/10
Cabbage Tree Ck at L Manchester #	51.31m falling	06:10 PM TUE 28/12/10
Brisbane R at Kholo Br #	-0.03m rising	06:46 PM TUE 28/12/10
Brisbane R at Mt Crosby #	9.24m falling	06:56 PM TUE 28/12/10
Brisbane R at Mt Crosby #	9.22m rising	06:22 PM TUE 28/12/10
Brisbane R at Colleges Crossing #	6.76m rising	05:07 PM TUE 28/12/10
Bremer R at Adams Br *	1.71m falling	05:00 PM TUE 28/12/10
Bremer R at Adams Br #	1.69m rising	06:52 PM TUE 28/12/10
Bremer R at Stokes Crossing #	1.85m steady	06:52 PM TUE 28/12/10
Bremer R at Spressers Br #	4.07m falling	06:50 PM TUE 28/12/10
Spring Ck at Greys Plains Rd #	0.99m steady	06:50 PM TUE 28/12/10
Western Ck at Grandchester #	0.73m falling	06:29 PM TUE 28/12/10
Western Ck at Kuss Rd #	3.24m falling	06:56 PM TUE 28/12/10
Western Ck at Rosewood WWTP #	3.73m falling	06:37 PM TUE 28/12/10
Bremer R at Rosewood	4m falling	03:00 PM TUE 28/12/10
Bremer R at Rosewood#	4.06m falling	06:34 PM TUE 28/12/10
Bremer R at Rosewood #	4.08m falling	06:42 PM TUE 28/12/10
Bremer R at Five Mile Br Walloon #	3.94m falling	06:52 PM TUE 28/12/10
Bremer R at Walloon DERM *	5.51m falling	05:00 PM TUE 28/12/10
Bremer R at Three Mile Br #	18.3m falling	06:56 PM TUE 28/12/10
Reynolds Ck at Moogerah Dam *	1.48m falling	05:40 PM TUE 28/12/10
Reynolds Ck at Moogerah Dam #	156.36m falling	06:30 PM TUE 28/12/10
Warrill Ck at Toohills Crossing *	-0.04m falling	05:20 PM TUE 28/12/10
Warrill Ck at Kalbar Weir HW #	76.29m rising	06:45 PM TUE 28/12/10
Warrill Ck at Kalbar Weir HW *	76.33m falling	05:30 PM TUE 28/12/10
Warrill Ck at Kalbar Weir TW *	5.62m falling	05:40 PM TUE 28/12/10
Warrill Ck at Kalbar	7.3m falling slowly	06:00 PM TUE 28/12/10
Warrill Ck at Harrisville #	5.02m falling	06:53 PM TUE 28/12/10
Warrill Ck at Harrisville#	4.9m steady	05:27 PM TUE 28/12/10
Warrill Ck at Churchba		

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3583

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 29 December 2010 6:49 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BRISBANE RIVER BELOW WIVENHOE
Issued at 6:48 AM on Wednesday the 29th of December 2010 by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease along Lockyer and Warrill Creeks.
Minor flooding is expected along the Brisbane River between Wivenhoe Dam and Mt Crosby Weir this week.

LOCKYER CREEK:
Major flooding continues to ease in the Lyons Bridge and Rifle Range areas, with river levels expected to fall away quickly during Wednesday.

WARRILL CREEK:
Moderate flood levels continue to ease along Warrill Creek between Harrisville and Amberley.

BREMER RIVER:
River levels along the Bremer River have fallen below minor flood levels overnight.

BRISBANE RIVER BELOW WIVENHOE:
SEQ Water advises that releases have started from Wivenhoe dam. The releases, combined with Lockyer Creek flows are expected to result in minor flooding to develop downstream to Mt Crosby Weir during Wednesday.

Weather Forecast:
A shower or two.

Next Issue:
The next warning will be issued at about 3:30pm Wednesday.

Latest River Heights:

Lockyer Ck at Helidon #	1.4m falling	06:09 AM WED 29/12/10
Flagstone Ck at Brown-Zirbels Rd *	2.31m falling	05:20 AM WED 29/12/10
Ma Ma Ck at Harm's *	2.06m falling	05:00 AM WED 29/12/10
Tenthill Ck at Tenthill #	2.54m falling	06:15 AM WED 29/12/10
Lockyer Ck at Gatton #	5.18m falling	06:19 AM WED 29/12/10
Laidley Ck at Mulgowie *	2.32m falling	05:00 AM WED 29/12/10
Laidley Ck at Showground Weir #	5.06m steady	05:54 AM WED 29/12/10
Laidley Ck at Warrego Hwy *	4.39m falling	05:00 AM WED 29/12/10
Lockyer Ck at Glenore Grove #	6.84m falling	06:18 AM WED 29/12/10
Lockyer Ck at Lyons Br #	13.35m falling	06:22 AM WED 29/12/10
Lockyer Ck at Rifle Range Rd *	13.72m falling	05:40 AM WED 29/12/10
Lockyer Ck at O'Reilly's Weir #	12.06m falling	06:26 AM WED 29/12/10
Brisbane R at Lowood Pump Stn #	9.77m rising	06:23 AM WED 29/12/10
Brisbane R at Savages Crossing #	9.75m rising	06:27 AM WED 29/12/10
Brisbane R at Burtons Br #	7.86m rising	06:11 AM WED 29/12/10
Brisbane R at Kholo Br #	1.37m rising	06:26 AM WED 29/12/10
Brisbane R at Mt Crosby #	10.06m rising	06:22 AM WED 29/12/10
Brisbane R at Colleges Crossing #	7.71m rising	06:05 AM WED 29/12/10
Bremer R at Adams Br #	1.55m rising	06:16 AM WED 29/12/10
Bremer R at Stokes Crossing #	1.55m falling	04:54 AM WED 29/12/10
Bremer R at Spressers Br #	3.42m falling	06:11 AM WED 29/12/10
Spring Ck at Greys Plains Rd #	0.94m steady	03:50 AM WED 29/12/10
Western Ck at Grandchester #	0.53m falling	06:23 AM WED 29/12/10

ICC.005.3580

Western Ck at Kuss Rd #	2.32m falling	06:17 AM WED 29/12/10
Western Ck at Rosewood WWTP #	2.78m falling	06:17 AM WED 29/12/10
Bremer R at Rosewood #	3.48m falling	06:15 AM WED 29/12/10
Bremer R at Five Mile Br Walloon #	3.24m falling	06:01 AM WED 29/12/10
Bremer R at Walloon DERM *	4.28m falling	05:00 AM WED 29/12/10
Bremer R at Three Mile Br #	15.75m falling	06:11 AM WED 29/12/10
Warrill Ck at Harrisville#	4.6m steady	06:27 AM WED 29/12/10
Warrill Ck at Churchbank Weir #	2.46m falling	05:37 AM WED 29/12/10
Warrill Ck at Greens Rd Amberley #	5.94m falling	06:23 AM WED 29/12/10
Warrill Ck at Amberley DNR *	6.89m falling	05:40 AM WED 29/12/10
Purga Ck at Peak Crossing #	1.21m steady	05:08 AM WED 29/12/10
Purga Ck at Loamside #	2.74m steady	06:19 AM WED 29/12/10
Bremer R at Berry's Lagoon *	20.17m falling	05:30 AM WED 29/12/10
Bremer R at One Mile Br #	11.3m falling	06:22 AM WED 29/12/10
Bremer R at Hancocks Br Brassall #	8.23m falling	06:18 AM WED 29/12/10
Bremer R at Ipswich #	4.7m falling	06:15 AM WED 29/12/10
Brisbane R at Moggill #	2.82m rising	05:41 AM WED 29/12/10
Brisbane R at Jindalee Br	NA	
Brisbane R at City Gauge #	0.86m falling	06:25 AM WED 29/12/10
Moreton Bay at Whyte Island #	0.59m falling	06:25 AM WED 29/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3581

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 29 December 2010 8:20 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:19 AM on Wednesday the 29th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BRISBANE RIVER BELOW WIVENHOE FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing slowly at Richmond in the Flinders River. Moderate flooding easing at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding is occurring at Adavale in Blackwater Creek.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 29 December 2010 2:39 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE Issued at 2:38 PM on Wednesday the 29th of December 2010 by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease along Lockyer and Warrill Creeks.
Minor flooding is expected along the Brisbane River between Wivenhoe Dam and Mt Crosby Weir this week.

LOCKYER CREEK:
Moderate flooding continues to ease in the Lyons Bridge and Rifle Range areas, with river levels expected to fall away quickly during Wednesday.

WARRILL CREEK:
Moderate flood levels continue to ease along Warrill Creek between Harrisville and Amberley.

BRISBANE RIVER BELOW WIVENHOE:
SEQ Water advises that releases have started from Wivenhoe dam. The releases, combined with Lockyer Creek flows are expected to result in minor flooding downstream to Mt Crosby Weir during Wednesday.

Next Issue:
The next warning will be issued at about 7:30am Thursday.

Latest River Heights:

Lockyer Ck at Helidon *	1.34m steady	11:20 AM WED 29/12/10
Lockyer Ck at Helidon #	1.3m steady	01:39 PM WED 29/12/10
Flagstone Ck at Brown-Zirbels Rd *	2.2m falling	11:30 AM WED 29/12/10
Ma Ma Ck at Harm's *	2.03m steady	08:00 AM WED 29/12/10
Tenthill Ck at Tenthill *	2.48m falling	12:00 PM WED 29/12/10
Tenthill Ck at Tenthill #	2.4m falling	02:12 PM WED 29/12/10
Lockyer Ck at Gatton *	3.78m falling	11:30 AM WED 29/12/10
Lockyer Ck at Gatton #	4.9m rising	02:31 PM WED 29/12/10
Laidley Ck at Mulgowie *	2.18m falling	01:00 PM WED 29/12/10
Laidley Ck at Showground Weir *	5.02m falling	11:40 AM WED 29/12/10
Laidley Ck at Showground Weir #	5.04m steady	11:53 AM WED 29/12/10
Bill Gunn Dam #	109.97m steady	02:16 PM WED 29/12/10
Laidley Ck at Warrego Hwy *	4.18m falling	01:00 PM WED 29/12/10
Lockyer Ck at Glenore Grove #	6.12m falling	02:22 PM WED 29/12/10
Lockyer Ck at Lyons Br #	11.59m falling	02:31 PM WED 29/12/10
Lockyer Ck at Rifle Range Rd *	12.42m falling	11:40 AM WED 29/12/10
Atkinson Dam #	65.76m steady	02:22 PM WED 29/12/10
Lockyer Ck at O'Reilly's Weir *	11.69m falling	12:10 PM WED 29/12/10
Lockyer Ck at O'Reilly's Weir #	11.46m falling	02:30 PM WED 29/12/10
Brisbane R at Lowood Pump Stn #	9.79m rising	02:26 PM WED 29/12/10
Brisbane R at Savages Crossing *	9.95m rising	11:30 AM WED 29/12/10
Brisbane R at Savages Crossing #	9.89m falling	02:27 PM WED 29/12/10
Brisbane R at Burtons Br #	8.02m rising	01:47 PM WED 29/12/10
Cabbage Tree Ck at L Manchester #	51.17m falling	02:06 PM WED 29/12/10
Brisbane R at Kholo Br #	2.03m rising	02:17 PM WED 29/12/10
Brisbane R at Mt Crosby #	10.71m steady	02:32 PM WED 29/12/10
Brisbane R at Mt Crosby #	10.68m rising	02:22 PM WED 29/12/10
Brisbane R at Colleges Crossing #	8.46m rising	02:09 PM WED 29/12/10
Bremer R at Adams Br *	1.52m steady	12:00 PM WED 29/12/10
Bremer R at Adams Br #	1.49m steady	12:58 PM WED 29/12/10

Bremer R at Stokes Crossing #	1.4m falling	02:05 PM WED 29/12/10
Bremer R at Spressers Br #	3.07m falling	02:24 PM WED 29/12/10
Spring Ck at Greys Plains Rd #	0.89m steady	12:49 PM WED 29/12/10
Western Ck at Grandchester #	0.48m steady	12:55 PM WED 29/12/10
Western Ck at Kuss Rd #	2.04m falling	02:09 PM WED 29/12/10
Western Ck at Rosewood WWTP #	2.38m falling	01:51 PM WED 29/12/10
Bremer R at Rosewood	4m falling	03:00 PM TUE 28/12/10
Bremer R at Rosewood#	3.16m steady	01:51 PM WED 29/12/10
Bremer R at Rosewood #	3.16m steady	02:27 PM WED 29/12/10
Bremer R at Five Mile Br Walloon #	2.92m falling	02:02 PM WED 29/12/10
Bremer R at Walloon DERM *	3.95m falling	12:00 PM WED 29/12/10
Bremer R at Three Mile Br #	14.5m steady	02:25 PM WED 29/12/10
Warrill Ck at Harrisville #	4.42m falling	02:29 PM WED 29/12/10
Warrill Ck at Harrisville#	4.3m falling	02:03 PM WED 29/12/10
Warrill Ck at Churchbank Weir *	2.3m falling	11:00 AM WED 29/12/10
Warrill Ck at Churchbank Weir #	2.27m steady	01:28 PM WED 29/12/10
Warrill Ck at Greens Rd Amberley #	5.46m falling	02:32 PM WED 29/12/10
Warrill Ck at Amberley DNR *	6.5m falling	11:30 AM WED 29/12/10
Bremer R at Berry's Lagoon *	19.4m falling	11:30 AM WED 29/12/10
Bremer R at One Mile Br #	10.25m falling	02:25 PM WED 29/12/10
Bremer R at Hancocks Br Brassall #	6.98m falling	02:10 PM WED 29/12/10
Bremer R at Ipswich #	3.85m falling	02:28 PM WED 29/12/10
Brisbane R at Moggill #	2.67m rising	02:10 PM WED 29/12/10
Brisbane R at Moggill #	2.62m steady	01:17 PM WED 29/12/10

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Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3579

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 29 December 2010 8:00 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:00 PM on Wednesday the 29th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing slowly at Richmond in the Flinders River and at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding is steady between Diamantina Lakes and Monkira.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3659



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 30 December 2010 6:10 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE DAM Issued at 6:10 AM on Thursday the 30th of December 2010 by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along Warrill Creek. Minor flooding is expected to continue along the lower Brisbane River between Wivenhoe Dam and Mt Crosby Weir during this week.

WARRILL CREEK:
Minor flooding continues to ease along Warrill Creek between Harrisville and Amberley.

BRISBANE RIVER BELOW WIVENHOE:
SEQ Water advises that releases will continue from Wivenhoe dam until the weekend. The releases, combined with Lockyer Creek flows are expected to result in minor flooding downstream to Mt Crosby Weir during the remainder of this week.

Next Issue:
The next warning will be issued at about 3:30pm Thursday.

Latest River Heights:

Lockyer Ck at Helidon *	1.17m falling	05:00 AM THU 30/12/10
Tenthill Ck at Tenthill #	2.24m steady	04:48 AM THU 30/12/10
Lockyer Ck at Gatton #	4.28m rising	05:52 AM THU 30/12/10
Laidley Ck at Mulgowie *	2m steady	04:00 AM THU 30/12/10
Laidley Ck at Showground Weir #	4.9m steady	05:53 AM THU 30/12/10
Laidley Ck at Warrego Hwy *	3.5m falling	05:00 AM THU 30/12/10
Lockyer Ck at Glenore Grove #	5.08m falling	05:49 AM THU 30/12/10
Lockyer Ck at Lyons Br #	8.95m falling	05:31 AM THU 30/12/10
Lockyer Ck at Rifle Range Rd *	8.99m falling	05:40 AM THU 30/12/10
Lockyer Ck at O'Reilly's Weir #	11.78m falling	05:48 AM THU 30/12/10
Brisbane R at Lowood Pump Stn #	10.77m steady	05:55 AM THU 30/12/10
Brisbane R at Savages Crossing #	10.71m rising	05:54 AM THU 30/12/10
Brisbane R at Burtons Br #	8.6m rising	05:50 AM THU 30/12/10
Brisbane R at Kholo Br #	2.55m falling	05:53 AM THU 30/12/10
Brisbane R at Mt Crosby #	11.08m rising	05:37 AM THU 30/12/10
Brisbane R at Colleges Crossing #	8.86m rising	05:01 AM THU 30/12/10
Bremer R at Adams Br #	1.37m falling	05:46 AM THU 30/12/10
Bremer R at Stokes Crossing #	1.3m steady	03:52 AM THU 30/12/10
Bremer R at Spressers Br #	2.72m falling	04:36 AM THU 30/12/10
Western Ck at Grandchester #	0.43m steady	03:55 AM THU 30/12/10
Western Ck at Kuss Rd #	1.62m falling	05:52 AM THU 30/12/10
Western Ck at Rosewood WWTP #	1.83m falling	05:10 AM THU 30/12/10
Bremer R at Rosewood#	2.71m falling	05:24 AM THU 30/12/10
Bremer R at Five Mile Br Walloon #	2.42m falling	05:52 AM THU 30/12/10
Bremer R at Walloon DERM *	3.28m falling	05:00 AM THU 30/12/10
Bremer R at Three Mile Br #	12.95m falling	05:10 AM THU 30/12/10
Warrill Ck at Kalbar Weir TW *	2.52m falling	05:15 AM THU 30/12/10
Warrill Ck at Harrisville #	3.42m falling	05:50 AM THU 30/12/10
Warrill Ck at Churchbank Weir #	1.57m falling	05:18 AM THU 30/12/10
Warrill Ck at Greens Rd Amberley #	4.92m rising	05:53 AM THU 30/12/10
Warrill Ck at Amberley DNR *	5.73m falling	05:30 AM THU 30/12/10
Purga Ck at Peak Crossing #	0.96m steady	05:08 AM THU 30/12/10
Purga Ck at Loamside #	1.83m steady	05:48 AM THU 30/12/10
Bremer R at One Mile Br #	8.8m falling	05:42 AM THU 30/12/10
Bremer R at Hancocks Br Brassall #	5.58m falling	05:39 AM THU 30/12/10

ICC.005.3576

Bremer R at Ipswich #	3.1m rising	05:29 AM THU 30/12/10
Brisbane R at Moggill #	2.87m rising	05:46 AM THU 30/12/10
Brisbane R at City Gauge *	1.23m steady	05:40 AM THU 30/12/10
Moreton Bay at Whyte Island #	1.09m falling	05:50 AM THU 30/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3577

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 30 December 2010 7:24 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:23 AM on Thursday the 30th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE DAM

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Upper Brisbane River: Some minor flooding easing above Wivenhoe Dam.

Pioneer River: Some minor flooding generally easing across the upper Pioneer catchment through to Mirani Weir.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 30 December 2010 2:56 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 2:55 PM on Thursday the 30th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE DAM

For further details on flood warnings refer: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Upper Brisbane River: Some minor flooding easing above Wivenhoe Dam.

Pioneer River: Some minor flooding generally easing across the upper Pioneer catchment through to Mirani Weir.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Logan River: Some minor flooding at Macleans Bridge.

Mary River: Minor flooding between Dagun Pocket and the Gympie area. Moderate flooding between Miva and Tiaro.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 30 December 2010 3:07 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FINAL FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE DAM Issued at 3:06 PM on Thursday the 30th of December 2010 by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along Warrill Creek. Minor flooding is expected to continue along the lower Brisbane River between Wivenhoe Dam and Mt Crosby Weir during this week.

SEQ Water advises that releases will continue from Wivenhoe dam until the weekend. The releases, combined with Lockyer Creek flows are expected to result in minor flooding downstream to Mt Crosby Weir during the remainder of this week.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Brisbane R at Lowood Pump Stn #	10.63m rising	02:50 PM THU 30/12/10
Brisbane R at Savages Crossing #	10.73m falling	02:48 PM THU 30/12/10
Brisbane R at Burtons Br #	8.74m falling	02:47 PM THU 30/12/10
Brisbane R at Kholo Br #	3.03m steady	02:40 PM THU 30/12/10
Brisbane R at Mt Crosby #	11.48m falling	02:49 PM THU 30/12/10
Brisbane R at Colleges Crossing #	9.41m rising	02:48 PM THU 30/12/10
Bremer R at Adams Br #	1.33m falling	02:28 PM THU 30/12/10
Bremer R at Stokes Crossing #	1.25m steady	12:52 PM THU 30/12/10
Bremer R at Spressers Br #	2.52m falling	01:37 PM THU 30/12/10
Bremer R at Rosewood #	2.5m steady	02:27 PM THU 30/12/10
Bremer R at Five Mile Br Walloon #	2.2m falling	02:34 PM THU 30/12/10
Bremer R at Walloon DERM *	3.08m falling	01:00 PM THU 30/12/10
Bremer R at Three Mile Br #	12.05m falling	02:26 PM THU 30/12/10
Warrill Ck at Kalbar Weir HW #	75.51m falling	02:09 PM THU 30/12/10
Warrill Ck at Kalbar Weir TW *	2.14m falling	02:40 PM THU 30/12/10
Warrill Ck at Harrisville #	2.84m falling	02:32 PM THU 30/12/10
Warrill Ck at Churchbank Weir #	1.07m falling	02:44 PM THU 30/12/10
Warrill Ck at Greens Rd Amberley #	4.46m falling	02:47 PM THU 30/12/10
Warrill Ck at Amberley DNR *	5.33m falling	02:30 PM THU 30/12/10
Bremer R at Berry's Lagoon *	17.33m falling	02:30 PM THU 30/12/10
Bremer R at One Mile Br #	8.1m falling	02:20 PM THU 30/12/10
Bremer R at Hancocks Br Brassall #	5.18m falling	02:48 PM THU 30/12/10
Bremer R at Ipswich #	3.2m falling	02:33 PM THU 30/12/10
Brisbane R at Moggill #	2.87m falling	01:51 PM THU 30/12/10
Brisbane R at City Gauge #	0.65m rising	02:49 PM THU 30/12/10
Moreton Bay at Whyte Island #	0.61m rising	02:48 PM THU 30/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 30 December 2010 3:11 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 3:09 PM on Thursday the 30th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For further details on flood warnings refer: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Upper Brisbane River: Some minor flooding easing above Wivenhoe Dam.

Pioneer River: Some minor flooding generally easing across the upper Pioneer catchment through to Mirani Weir.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Logan River: Some minor flooding at Macleans Bridge.

Mary River: Minor flooding between Dagun Pocket and the Gympie area. Moderate flooding between Miva and Tiaro.

Lower Brisbane: SEQ Water advises that releases will continue from Wivenhoe dam until the weekend. The releases, combined with Lockyer Creek flows are expected to result in minor flooding downstream to Mt Crosby Weir during the remainder of this week.

Warrill Creek: Minor flooding continues to ease along Warrill Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 31 December 2010 8:56 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:55 AM on Friday the 31st of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For further details on flood warnings refer: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding occurring at Quilpie.

Mary River: Minor flooding between Dagun Pocket and the Gympie area. Moderate flooding between Miva and Tiaro.

Lower Brisbane: SEQ Water advises that releases will continue from Wivenhoe dam until the weekend. Minor flooding will continue downstream to Mt Crosby Weir during today and the weekend. Minor flooding easing at Amberley in Warrill Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 31 December 2010 6:52 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:51 PM on Friday the 31st of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in Magnificent Creek at Kowanyama Airport. Minor flooding rising in the Norman River at Yappar River. Minor flooding rising in the Flinders River at Richmond, with moderate flood levels likely.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding remains steady at Quilpie.

Lower Brisbane: SEQ Water advises that releases will continue from Wivenhoe dam during the weekend. Minor flooding will continue downstream to Mt Crosby Weir during today and the weekend.

Mary River: Minor flooding easing in the Mary River between Miva and Home Park, and also in Tinana Creek at Teddington Weir.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Saturday, 1 January 2011 8:47 AM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:46 AM on Saturday the 1st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK FLOOD WARNING FOR THE WARREGO RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in Magnificent Creek at Kowanyama Airport and in the Norman River at Yappar River. Moderate flooding rising in the Flinders River at Richmond.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Lower Brisbane: SEQ Water advises that releases will continue from Wivenhoe dam during the weekend. Minor flooding will continue downstream to Mt Crosby Weir during today and the weekend.

Mary River: Minor flooding easing in the Mary River at Home Park, and also in Tinana Creek at Teddington Weir.

Kolan River: Major flood levels are easing at the Fred Haigh Dam and will continue easing into next week. Minor flooding is easing downstream in the Monduran area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 2 January 2011 7:13 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 7:11 pm Sunday, 2 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe]. The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for the Central Highlands and Coalfields, Maranoa and Warrego, Darling Downs and Granite Belt and parts of the Central West, Channel Country, Capricornia, Wide Bay and Burnett and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 3 January 2011 12:15 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in parts of the LOCKYER VALLEY and SOUTHERN DOWNS Council Areas.

Issued at 12:13 pm Monday, 3 January 2011.

Thunderstorms are moving towards the north.

They are forecast to affect the area northwest of Cunninghams Gap by 12:50 pm and Gatton by 1:20 pm.

Very heavy rainfall and flash flooding are likely.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 1:15 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 3 January 2011 12:48 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in the LOCKYER VALLEY and parts of the TOOWOOMBA Council Areas.

Issued at 12:47 pm Monday, 3 January 2011.

Thunderstorms are moving towards the north.

They are forecast to affect Gatton and the area south of Helidon by 1:25 pm and Helidon and the area north of Gatton by 1:55 pm.

Very heavy rainfall and flash flooding are likely.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 1:50 pm.

A more general severe thunderstorm warning is also current for parts of the Central Highlands and Coalfields, Wide Bay and Burnett, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 3 January 2011 1:09 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 1:08 pm Monday, 3 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe]. The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for parts of the Central Highlands and Coalfields, Wide Bay and Burnett, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3753

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 3 January 2011 1:35 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY and TOOWOOMBA Council Areas.

Issued at 1:33 pm Monday, 3 January 2011.

The Bureau of Meteorology warns that, at 1:35 pm, severe thunderstorms were detected on weather radar near Toowoomba.

They are forecast to affect Highfields by 2:05 pm and the area north of Toowoomba by 2:35 pm.

Very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 2:35 pm.

A more general severe thunderstorm warning is also current for parts of the Central Highlands and Coalfields, Wide Bay and Burnett, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 3 January 2011 2:07 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 2:06 pm Monday, 3 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe]. The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for parts of the Central Highlands and Coalfields, Wide Bay and Burnett, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 3 January 2011 2:21 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING and LARGE HAILSTONES For people in parts of the BRISBANE CITY, MORETON BAY and SOUTHERN DOWNS Council Areas.

Issued at 2:20 pm Monday, 3 January 2011.

The Bureau of Meteorology warns that, at 2:25 pm, severe thunderstorms were detected on weather radar near Highvale, Samford and Albany Creek. These thunderstorms are moving towards the north. They are forecast to affect Lake Samsonvale, Kallangur and Narangba by 2:55 pm and Caboolture, Dayboro and Burpengary by 3:25 pm.

Very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:20 pm.

A more general severe thunderstorm warning is also current for parts of the Central Highlands and Coalfields, Wide Bay and Burnett, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Monday, 3 January 2011 3:58 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING and LARGE HAILSTONES For people in parts of the GYMPIE, MORETON BAY, SOUTHERN DOWNS, SUNSHINE COAST, SOMERSET and TOOWOOMBA Council Areas.

Issued at 3:57 pm Monday, 3 January 2011.

The Bureau of Meteorology warns that, at 4:05 pm, severe thunderstorms were detected on weather radar near Kilcoy and Mount Kilcoy.

These thunderstorms are moving towards the north.

They are forecast to affect the area northwest of Gympie and the area north of Gympie by 4:35 pm and Jimna, the ranges south of Jimna, the area west of Conondale and Mount Kanighan by 5:05 pm.

Very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:00 pm.

A more general severe thunderstorm warning is also current for parts of the Central Highlands and Coalfields, Wide Bay and Burnett, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 3 January 2011 5:55 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY, IPSWICH CITY, SCENIC RIM and SOMERSET Council Areas.

Issued at 5:54 pm Monday, 3 January 2011.

Thunderstorms are moving towards the north. They are forecast to affect Grandchester and Rosewood by 6:25 pm and Hatton Vale and Marburg by 6:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:55 pm.

A more general severe thunderstorm warning is also current for parts of the Central Highlands and Coalfields, Wide Bay and Burnett, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3748

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 3 January 2011 6:30 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

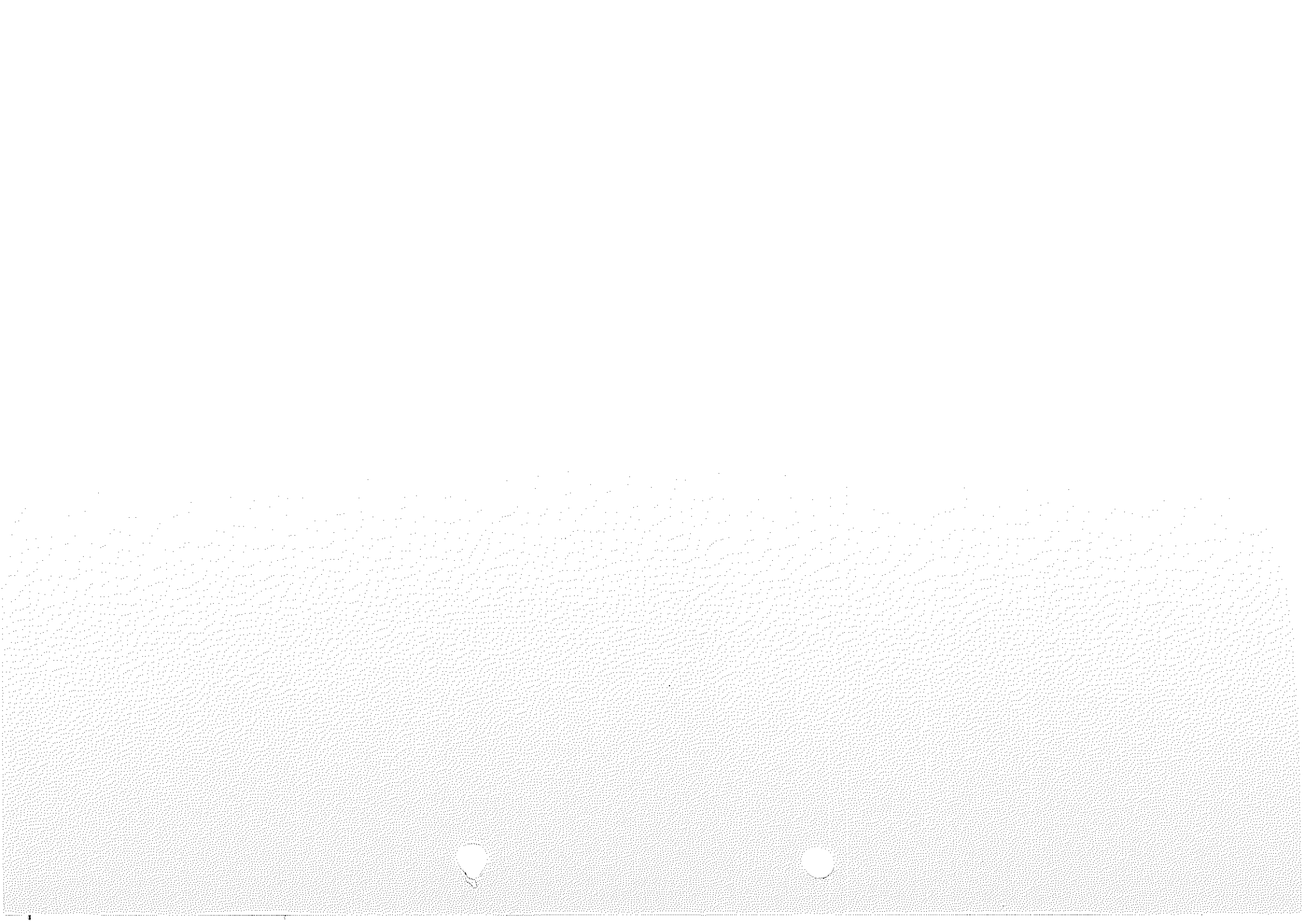
Issued at 6:29 pm Monday, 3 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe]. The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for parts of the Central Highlands and Coalfields, Wide Bay and Burnett, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 5 January 2011 10:56 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Maranoa, Darling Downs and Granite Belt, Southeast Coast, Wide Bay and Burnett and southern parts of the Central Highlands and Coalfields and Capricornia forecast districts.

Issued at 10:55 am on Wednesday 5 January 2011

Synoptic Situation: At 10am EST, a trough extended from northwestern Queensland into the southern Maranoa. The trough is expected to intensify as it moves slowly east over the next 24 hours.

Thundery rain areas with some heavy falls are expected to develop this evening and overnight over the Maranoa, Darling Downs and Granite Belt, Southeast Coast districts and southern parts of the Wide Bay and Burnett district. This heavy rain is expected to extend to the Capricornia districts and remaining parts of the Wide Bay and Burnett district during Thursday. The rain will ease over the Maranoa and western Darling Downs during Thursday.

Heavy rainfall may lead to localised flash flooding and/or worsen current river flooding.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5:00 pm Wednesday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 5 January 2011 11:09 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Maranoa, Darling Downs and Granite Belt, Southeast Coast, Wide Bay and Burnett and Capricornia forecast districts and southern parts of the Central Highlands and Coalfields district.

Issued at 11:10 am on Wednesday 5 January 2011

Synoptic Situation: At 10am EST, a trough extended from northwestern Queensland into the southern Maranoa. The trough is expected to intensify as it moves slowly east over the next 24 hours.

Thundery rain areas with some heavy falls are expected to develop this evening and overnight over the Maranoa, Darling Downs and Granite Belt and Southeast Coast districts and southern parts of the Wide Bay and Burnett and Central Highlands and Coalfields districts. This heavy rain is expected to extend to the Capricornia and remaining parts of the Wide Bay and Burnett during Thursday. The rain will ease over the Maranoa, western Darling Downs and southwestern Central Highlands and Coalfields during Thursday.

Heavy rainfall may lead to localised flash flooding and/or worsen current river flooding.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5:00 pm Wednesday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 5 January 2011 4:22 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the BRISBANE CITY, LOCKYER VALLEY, MORETON BAY and SOMERSET Council Areas.

Issued at 4:19 pm Wednesday, 5 January 2011.

The Bureau of Meteorology warns that, at 4:20 pm, severe thunderstorms were detected on weather radar near Esk and northern Lake Wivenhoe.

They are forecast to affect the area south of Esk by 4:50 pm and southern Lake Wivenhoe by 5:20 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:20 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 5 January 2011 4:59 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Darling Downs and Granite Belt, Southeast Coast, Wide Bay and Burnett, Capricornia and Central Highlands and Coalfields district.

Issued at 5:00 pm on Wednesday 5 January 2011

Synoptic Situation: At 4pm EST, a trough extended from northwestern Queensland into the Darling Downs. The trough is expected to intensify as it moves slowly east over the next 24 hours.

Thundery rain areas with some heavy falls are occurring over the Darling Downs and Granite Belt, Southeast Coast districts and southern parts of the Wide Bay and Burnett and Central Highlands and Coalfields districts. This heavy rain is expected to extend to the Capricornia and remaining parts of the Wide Bay and Burnett and eastern Central Highlands and Coalfields during Thursday. The rain will ease over the western Darling Downs and southwestern Central Highlands and Coalfields on Thursday.

Heavy rainfall may lead to localised flash flooding and/or worsen current river flooding.

Heavy rainfall has eased over the Maranoa District and a Severe Weather Warning for this area is no longer current.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11:00 pm Wednesday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 5 January 2011 5:12 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 5:11 pm Wednesday, 5 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe].

The immediate threat of severe thunderstorms has passed, but further severe thunderstorms are possible and the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 5 January 2011 11:27 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding, this may add to the existing river flood situation For people in the Eastern Darling Downs, Granite Belt, Southeast Coast, Wide Bay and Burnett and the Capricornia districts.

Issued at 11:30 pm on Wednesday 5 January 2011

Synoptic Situation: At 11pm EST, a developing upper level low over southern Queensland and a surface trough will combine to concentrate heavier weather over the SE region during Thursday morning which will then contract towards the Capricorn and Wide Bay coasts later in the day.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11:00 pm Wednesday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 5 January 2011 11:55 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding, this may add to the existing river flood situation For people in the Eastern Darling Downs, Granite Belt, Southeast Coast, Wide Bay and Burnett and the Capricornia districts.

Issued at 11:55 pm on Wednesday 5 January 2011

Synoptic Situation: At 11pm EST, a developing upper level low over southern Queensland and a surface trough will combine to concentrate heavier weather over the SE region during Thursday morning which will then contract towards the Capricorn and Wide Bay coasts later in the day.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5am Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 3:38 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding, this may add to the existing river flood situation For people in the Southeast Coast, Wide Bay and Burnett and the Capricornia districts.

Issued at 3:40 am on Thursday 6 January 2011

Synoptic Situation: At 0330AM EST, a developing upper level low over southern Queensland and a surface trough will combine to concentrate heavier weather over the SE region during Thursday which will then contract towards the Capricorn, Wide Bay and Sunshine coasts later in the day.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5am Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 6:23 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:22 AM on Thursday the 6th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS See flood warnings for more detail at www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Burnett River: Minor flooding continues in the Boyne River between Dunollie and Derra, in Barambah Creek at Ficks Crosssing and in the Burnett River at Walla Weir. Moderate flooding is occurring in Barker Creek at Glenmore

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor to moderate flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns and in the lower Burdekin River at Millaroo.

Upper Brisbane River: Minor flooding is occurring between Linville and Devon Hills.

Bremer River: Minor flooding is occurring between Spressers Bridge and Rosewood.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 6:53 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding, this may add to the existing river flood situation For people in the Wide Bay and Burnett districts.

Issued at 6:55 am on Thursday 6 January 2011

Synoptic Situation: At 0650AM EST, a developing upper level low over southern Queensland and a surface trough will combine to concentrate heavier weather towards the Wide Bay region this afternoon and overnight.

Heavy rainfall has eased over the Capricorn and SE coastal district, therefore this warning has been cancelled in these districts.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 8:33 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district and eastern parts of the Wide Bay and Burnett District.

Issued at 8:30 am on Thursday 6 January 2011

Synoptic Situation: At 8am EST, an upper level low was developing over the southeastern interior of Queensland. A slow moving surface trough extended from northwestern Queensland into the Darling Downs.

Rain areas and thunderstorms are expected to increase through the Southeast Coast District and eastern parts of the Wide Bay and Burnett District this afternoon. Some heavy falls are expected which may lead to localised flash flooding and/or worsen existing river flooding.

Isolated thunderstorms are expected through the Capricornia and remaining parts of the Wide Bay and Burnett District. Locally heavy falls may occur with these thunderstorms and Severe Thunderstorm Warnings will be issued as necessary.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 10:46 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast District and eastern parts of the Wide Bay and Burnett District.

Issued at 10:45 am on Thursday 6 January 2011

Synoptic Situation: At 10am EST, an upper level low was developing over the southeastern interior of Queensland. A slow moving surface trough extended from northwestern Queensland into eastern Darling Downs.

Rain areas and thunderstorms will increase further through the Southeast Coast District and eastern parts of the Wide Bay and Burnett District today. Some heavy falls are expected which may lead to localised flash flooding and/or worsen existing river flooding.

Rainfall is expected to ease about the Southeast Coast District during Friday.

Isolated thunderstorms are expected through the Capricornia and remaining parts of the Wide Bay and Burnett District. Locally heavy falls may occur today with these thunderstorms and Severe Thunderstorm Warnings will be issued as necessary.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5pm Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 10:47 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER Issued at 10:47 AM on Thursday the 6th of January 2011 by the Bureau of Meteorology, Brisbane.

Heavy rainfall during this morning is expected to lead to lead to fast rises in the Lockyer and Warrill creek catchments and along the Bremer River with some moderate flood levels predicted today and during Friday. Further rises are likely while rainfall continues.

LOCKYER CREEK
Rainfall of up to 50mm in the 3 hours to 10am has resulted in fast rises in the Lockyer Creek catchment. Minor flood levels are likely at Gatton and Laidley later today with moderate flood levels downstream at Rifle Range Rd early on Friday. Higher levels are likely as rainfall continues.

WARRILL CREEK
Fast rises are likely along Warrill Creek following rainfall this morning. At least minor flood levels are predicted later today at Harrisville and Amberley with further rises as rainfall continues.

BREMER RIVER
Some minor to moderate flood levels are likely along the Bremer River during today and Friday.

Next Issue:
The next warning will be issued by 2pm Thursday.

Latest River Heights:

Lockyer Ck at Helidon *	1.25m	steady	08:00 AM THU 06/01/11
Lockyer Ck at Helidon #	2.24m	rising	10:11 AM THU 06/01/11
Flagstone Ck at Brown-Zirbels Rd *	2.48m	falling	08:00 AM THU 06/01/11
Tenthill Ck at Tenthill *	2.14m	steady	08:28 AM THU 06/01/11
Lockyer Ck at Gatton *	3.44m	rising	08:10 AM THU 06/01/11
Lockyer Ck at Gatton #	5.14m	rising	10:13 AM THU 06/01/11
Laidley Ck at Mulgowie *	2.54m	falling	08:00 AM THU 06/01/11
Laidley Ck at Showground Weir *	4.87m	rising	08:20 AM THU 06/01/11
Laidley Ck at Showground Weir #	5.16m	rising	10:01 AM THU 06/01/11
Bill Gunn Dam #	109.9m	steady	08:14 AM THU 06/01/11
Laidley Ck at Warrego Hwy *	2.28m	rising	08:00 AM THU 06/01/11
Lockyer Ck at Glenore Grove #	5.18m	rising	10:14 AM THU 06/01/11
Lockyer Ck at Lyons Br #	5.45m	falling	10:15 AM THU 06/01/11
Lockyer Ck at Rifle Range Rd *	5.02m	falling	08:00 AM THU 06/01/11
Atkinson Dam #	65.75m	steady	10:06 AM THU 06/01/11
Lockyer Ck at O'Reilly's Weir *	9.22m	rising	08:00 AM THU 06/01/11
Lockyer Ck at O'Reilly's Weir #	9.14m	falling	10:09 AM THU 06/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 10:58 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:58 AM on Thursday the 6th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Burnett River: Minor flooding continues in the Boyne River between Dunollie and Derra, in Barambah Creek at Ficks Crossing and in the Burnett River at Walla Weir. Moderate flooding is occurring in Barker Creek at Glenmore

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor to moderate flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns and in the lower Burdekin River at Millaroo.

Upper Brisbane River: Minor flooding is occurring between Linville and Devon Hills.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 2:28 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER Issued at 2:27 PM on Thursday the 6th of January 2011 by the Bureau of Meteorology, Brisbane.

Heavy rainfall is continuing to cause fast river level rises in the Lockyer and Warrill creek catchments and along the Bremer River. Some moderate to major flood levels are predicted for later today and during Friday. Further rises are likely while rainfall continues.

LOCKYER CREEK
Rainfall of up to 60mm in the 6 hours to 2pm has resulted in fast rises along Lockyer Creek at Helidon and along Tenthill Creek. Minor, possibly moderate flood levels are likely at Gatton later today. Rises are also occurring along Laidley Creek with major flood levels at Mulgowie above the Laidley Creek Bridge. Major flood levels of above 7 metres are at forecast at Laidley this evening.

Downstream at Lyons Bridge, moderate flood levels are likely during Friday with major flood levels of 13 metres possible.

WARRILL CREEK
Fast rises are likely along Warrill Creek at Kalbar following rainfall this morning. At least minor flood levels are predicted later today at Harrisville and Amberley with further rises as rainfall continues.

BREMER RIVER
Minor flood levels are being observed at Adams Bridge. Minor to moderate flood levels are forecast downstream to Walloon over the next 24 hours.

Next Issue:
The next warning will be issued by 6pm Thursday.

Latest River Heights:

Lockyer Ck at Helidon #	4.36m	falling	01:47 PM THU 06/01/11
Flagstone Ck at Brown-Zirbels Rd *	5.88m	falling	12:40 PM THU 06/01/11
Tenthill Ck at Tenthill *	3.28m	rising	12:20 PM THU 06/01/11
Lockyer Ck at Gatton #	6.06m	falling	01:46 PM THU 06/01/11
Laidley Ck at Mulgowie *	5.57m	rising	12:30 PM THU 06/01/11
Laidley Ck at Showground Weir #	5.68m	rising	01:49 PM THU 06/01/11
Bill Gunn Dam #	109.94m	steady	01:14 PM THU 06/01/11
Laidley Ck at Warrego Hwy *	2.52m	rising	12:00 PM THU 06/01/11
Lockyer Ck at Glenore Grove #	5.68m	rising	01:47 PM THU 06/01/11
Lockyer Ck at Lyons Br #	6.49m	rising	01:45 PM THU 06/01/11
Lockyer Ck at Rifle Range Rd *	5.02m	falling	08:00 AM THU 06/01/11
Atkinson Dam #	65.76m	steady	12:48 PM THU 06/01/11
Lockyer Ck at O'Reilly's Weir *	9.07m	steady	12:19 PM THU 06/01/11
Bremer R at Adams Br #	4.41m	rising	01:49 PM THU 06/01/11
Bremer R at Stokes Crossing #	3.15m	rising	01:48 PM THU 06/01/11
Bremer R at Spressers Br #	3.82m	falling	01:37 PM THU 06/01/11
Spring Ck at Greys Plains Rd #	2.39m	falling	01:47 PM THU 06/01/11
Western Ck at Grandchester #	3.38m	rising	01:36 PM THU 06/01/11
Western Ck at Kuss Rd #	4m	rising	01:47 PM THU 06/01/11
Western Ck at Rosewood WWTP #	3.88m	rising	01:50 PM THU 06/01/11
Bremer R at Rosewood#	3.86m	falling	12:31 PM THU 06/01/11
Bremer R at Walloon DERM *	3.91m	rising	10:40 AM THU 06/01/11

Bremer R at Three Mile Br #	10.8m rising	01:41 PM THU 06/01/11
Reynolds Ck at Moogerah Dam *	0.35m rising	08:00 AM THU 06/01/11
Warrill Ck at Toohills Crossing *	0.3m rising	08:20 AM THU 06/01/11
Warrill Ck at Kalbar Weir HW #	76.85m rising	01:48 PM THU 06/01/11
Warrill Ck at Harrisville #	1.28m rising	01:44 PM THU 06/01/11
Warrill Ck at Churchbank Weir *	0.32m steady	06:00 AM THU 06/01/11
Warrill Ck at Greens Rd Amberley #	2.36m rising	01:44 PM THU 06/01/11
Warrill Ck at Amberley DNR *	3.42m falling	08:20 AM THU 06/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3573

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 3:26 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 3:25 PM on Thursday the 6th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Burnett River: Minor flooding continues in the Boyne River between Dunollie and Derra, in Barambah Creek at Ficks Crossing and in the Burnett River at Walla Weir. Moderate flooding is occurring in Barker Creek at Glenmore

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor to moderate flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns and in the lower Burdekin River at Millaroo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 4:50 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and eastern parts of the Wide Bay and Burnett districts.

Issued at 4:50 pm on Thursday 6 January 2011 .

Synoptic Situation: At 4pm EST, an upper level low was developing over the southeastern interior of Queensland and is forecast to move in a north northeast direction overnight. A slow moving surface trough extended from northwestern parts of the state down into the southeast.

Rain areas and thunderstorms will continue through parts of the Southeast Coast district north of Brisbane and eastern parts of the Wide Bay and Burnett district this evening and overnight. Some heavy falls are expected which may lead to localised flash flooding and/or worsen existing river flooding.

Rain areas and thunderstorms have eased in parts of the Southeast Coast district south of Brisbane but may redevelop overnight. Heavy rain areas are forecast to contract into eastern parts of the Wide Bay and Burnett district on Friday.

Isolated thunderstorms are expected through the Capricornia and remaining parts of the Wide Bay and Burnett District. Locally heavy falls may occur today with these thunderstorms and Severe Thunderstorm Warnings will be issued as necessary.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

ICC.005.3861

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 5:25 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER Issued at 5:25 PM on Thursday the 6th of January 2011 by the Bureau of Meteorology, Brisbane.

Heavy rainfall is continuing to cause fast river level rises in the Lockyer and Warrill creek catchments and along the Bremer River. Some moderate to major flood levels are occurring.

LOCKYER CREEK
Heavy rainfall during Thursday has resulted in fast rises along Lockyer Creek and Tenthill Creek. Moderate flood levels are occurring at Gatton. Rises are also occurring along Laidley Creek with major flood levels at Mulgowie and Showground Weir.

Downstream at Glenore Grove, major flood levels are likely overnight and during Friday at Lyons Bridge.

WARRILL CREEK
Fast rises with moderate flooding are occurring along Warrill Creek at Kalbar following rainfall this morning. Moderate flood levels are predicted later today at Harrisville and minor flood levels predicted at Amberley.

BREMER RIVER
Minor flood levels are being observed at Adams Bridge with moderate flood levels at Kuss Road. Minor to moderate flood levels are forecast downstream to Walloon over the next 24 hours.

Next Issue:
The next warning will be issued by 10pm Thursday.

Latest River Heights:

Lockyer Ck at Helidon *	4.31m rising	02:30 PM THU 06/01/11
Tenthill Ck at Tenthill *	3.66m rising	04:00 PM THU 06/01/11
Lockyer Ck at Gatton #	13.34m rising	05:10 PM THU 06/01/11
Laidley Ck at Mulgowie *	6.2m falling	04:20 PM THU 06/01/11
Laidley Ck at Laidley	5.8m rising fast	02:25 PM THU 06/01/11
Laidley Ck at Showground Weir #	9.26m rising	05:10 PM THU 06/01/11
Bill Gunn Dam #	109.94m steady	04:15 PM THU 06/01/11
Laidley Ck at Warrego Hwy *	3.42m rising	04:00 PM THU 06/01/11
Lockyer Ck at Glenore Grove #	8.36m rising	05:11 PM THU 06/01/11
Lockyer Ck at Lyons Br #	7.35m rising	05:06 PM THU 06/01/11
Lockyer Ck at Rifle Range Rd *	6.06m rising	02:20 PM THU 06/01/11
Atkinson Dam #	65.77m steady	03:37 PM THU 06/01/11
Lockyer Ck at O'Reilly's Weir #	9m rising	04:56 PM THU 06/01/11
Bremer R at Adams Br #	3.79m falling	05:10 PM THU 06/01/11
Bremer R at Stokes Crossing #	4.45m rising	04:47 PM THU 06/01/11
Bremer R at Spressers Br #	4.07m rising	05:05 PM THU 06/01/11
Spring Ck at Greys Plains Rd #	1.69m falling	05:02 PM THU 06/01/11
Western Ck at Grandchester #	3.08m rising	04:23 PM THU 06/01/11
Western Ck at Kuss Rd #	7m rising	05:09 PM THU 06/01/11
Western Ck at Rosewood WWTP #	5.53m rising	05:08 PM THU 06/01/11
Bremer R at Rosewood#	4.11m rising	05:01 PM THU 06/01/11
Bremer R at Rosewood #	4.14m rising	05:05 PM THU 06/01/11
Bremer R at Five Mile Br Walloon #	3.36m steady	04:26 PM THU 06/01/11
Bremer R at Walloon DERM *	4.32m steady	04:00 PM THU 06/01/11

ICC.005.3570

Bremer R at Three Mile Br #	11.6m rising	05:10 PM THU 06/01/11
Reynolds Ck at Moogerah Dam *	0.35m rising	08:00 AM THU 06/01/11
Warrill Ck at Toohills Crossing *	0.3m rising	08:20 AM THU 06/01/11
Warrill Ck at Kalbar Weir HW #	77.07m falling	05:09 PM THU 06/01/11
Warrill Ck at Kalbar Weir TW *	0.76m steady	07:05 AM THU 06/01/11
Warrill Ck at Kalbar	7.5m rising	03:00 PM THU 06/01/11
Warrill Ck at Harrisville #	3.06m rising	05:08 PM THU 06/01/11
Warrill Ck at Churchbank Weir #	0.62m rising	05:11 PM THU 06/01/11
Warrill Ck at Greens Rd Amberley #	2.42m falling	05:08 PM THU 06/01/11
Warrill Ck at Amberley DNR *	3.1m steady	02:10 PM THU 06/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 5:28 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 5:27 PM on Thursday the 6th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS FLOOD ARNING FOR THE MARY RIVER

For more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Moderate flooding continues between Cunnamulla and Rocky.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns.

Logan/Albert Rivers: Minor flooding is rising in the upper Logan River at Rathdowney and is steady in Scrubby Creek.

arnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3649

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 9:33 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER Issued at 9:32 PM on Thursday the 6th of January 2011 by the Bureau of Meteorology, Brisbane.

Rainfall has eased during Thursday evening with totals of less then 5mm recorded in the 3 hours to 9:30pm. Moderate and major flooding continues in Lockyer and Laidley Creeks and in the Bremer River, with minor to moderate flooding occurring in Warrill Creek.

LOCKYER CREEK
Minor to moderate flooding has peaked in Lockyer Creek between Helidon and Showground Weir, with moderate flood levels currently easing at Gatton. Major flood levels continue to rise in Laidley Creek at Laidley.

Moderate flooding continues to rise in Lockyer Creek at Glenore Grove, with moderate flood levels also expected overnight downstream at Lyons Bridge.

WARRILL CREEK
Stream levels have either peaked or are nearing a peak along Warrill Creek.
Minor to moderate flooding is occurring between Kalbar and Churchbank Weir during Thursday evening, with minor flooding expected overnight at Amberley.

BREMER RIVER
River levels have either peaked or are nearing a peak along the Bremer River.
Minor to major flooding is occurring between Kuss Road and Rosewood.

Next Issue:
The next warning will be issued by 7am Friday.

Latest River Heights:

Lockyer Ck at Helidon #	2.56m falling	09:02 PM THU 06/01/11
Tenthill Ck at Tenthill *	3.17m falling	08:00 PM THU 06/01/11
Lockyer Ck at Gatton #	13.3m falling	08:58 PM THU 06/01/11
Laidley Ck at Mulgowie *	4.5m falling	07:30 PM THU 06/01/11
Laidley Ck at Laidley	8.1m falling slowly	06:30 PM THU 06/01/11
Laidley Ck at Showground Weir #	7.44m falling	09:01 PM THU 06/01/11
Laidley Ck at Warrego Hwy *	4.4m rising	07:30 PM THU 06/01/11
Lockyer Ck at Glenore Grove #	11.16m rising	08:59 PM THU 06/01/11
Lockyer Ck at Lyons Br #	9.59m rising	09:00 PM THU 06/01/11
Lockyer Ck at Rifle Range Rd *	8.24m rising	08:40 PM THU 06/01/11
Lockyer Ck at O'Reilly's Weir #	9.54m rising	09:01 PM THU 06/01/11
Brisbane R at Savages Crossing #	3.35m rising	08:54 PM THU 06/01/11
Brisbane R at Burtons Br #	1.98m rising	08:29 PM THU 06/01/11
Brisbane R at Mt Crosby #	7.7m steady	08:58 PM THU 06/01/11
Brisbane R at Colleges Crossing #	2.76m rising	08:52 PM THU 06/01/11
Bremer R at Adams Br #	2.69m falling	08:58 PM THU 06/01/11
Bremer R at Stokes Crossing #	3.7m falling	09:02 PM THU 06/01/11
Bremer R at Spressers Br #	5.42m rising	09:02 PM THU 06/01/11
Spring Ck at Greys Plains Rd #	1.19m falling	08:45 PM THU 06/01/11
Western Ck at Grandchester #	1.83m falling	08:59 PM THU 06/01/11
Western Ck at Kuss Rd #	6.98m falling	08:28 PM THU 06/01/11
Western Ck at Rosewood WWTP #	6.53m rising	08:53 PM THU 06/01/11
Bremer R at Rosewood #	5.1m rising	08:59 PM THU 06/01/11
Bremer R at Five Mile Br Walloon #	3.66m rising	08:57 PM THU 06/01/11

ICC.005.3568

Bremer R at Walloon DERM *	4.3m steady	08:00 PM THU 06/01/11
Bremer R at Three Mile Br #	11.65m rising	08:55 PM THU 06/01/11
Warrill Ck at Kalbar Weir TW *	5.75m rising	08:40 PM THU 06/01/11
Warrill Ck at Kalbar	7.6m falling	06:00 PM THU 06/01/11
Warrill Ck at Harrisville#	3.8m rising	08:59 PM THU 06/01/11
Warrill Ck at Churchbank Weir #	1.01m rising	08:43 PM THU 06/01/11
Warrill Ck at Greens Rd Amberley #	3.5m rising	09:02 PM THU 06/01/11
Warrill Ck at Amberley DNR *	3.94m rising	08:40 PM THU 06/01/11
Purga Ck at Peak Crossing #	0.71m steady	08:08 PM THU 06/01/11
Purga Ck at Loamside *	1.5m rising	08:30 PM THU 06/01/11
Bremer R at Berry's Lagoon *	15.91m rising	07:45 PM THU 06/01/11
Bremer R at One Mile Br #	6.55m falling	08:09 PM THU 06/01/11
Bremer R at Hancocks Br Brassall #	2.93m steady	07:11 PM THU 06/01/11
Bremer R at Ipswich #	0.45m steady	08:26 PM THU 06/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3569

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 6 January 2011 10:54 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and eastern parts of the Wide Bay and Burnett districts.

Issued at 10:55 pm on Thursday 6 January 2011

Synoptic Situation: At 1030pm EST, an upper level low over the southeastern interior will move north into the Capricorn district during Friday. Current rain areas near the coast will develop back inland over the SE region during Friday.

Some heavy falls may occur about the eastern Burnett, Wide Bay and northern parts of the Sunshine coast later on Friday with the potential for flash flooding and this may contribute to existing river flooding.

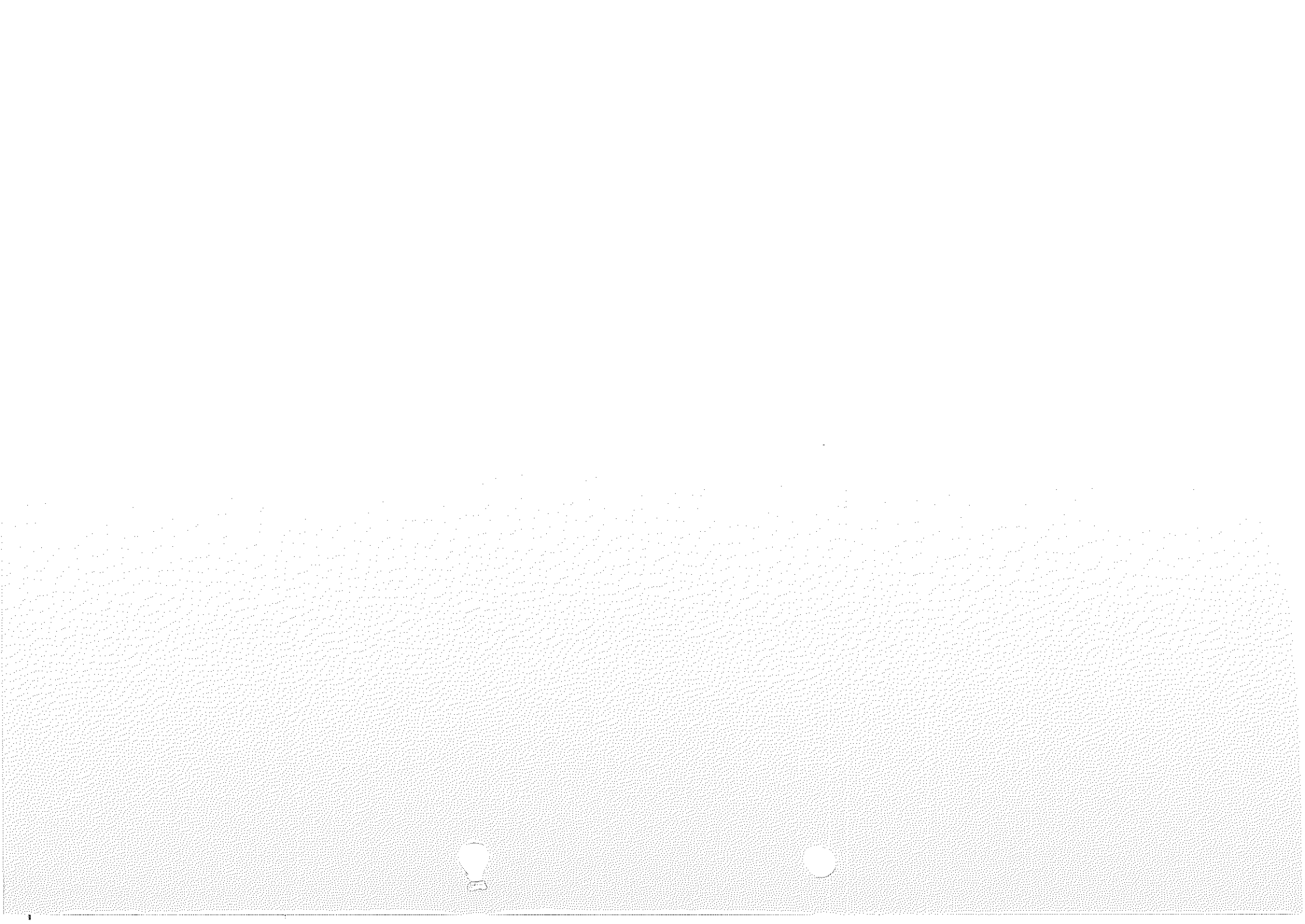
Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 7 January 2011 5:25 AM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and eastern parts of the Wide Bay and Burnett districts.

Issued at 5:25 am on Friday 7 January 2011

Synoptic Situation: At 0420am EST, an upper level low occurs over the Capricorn region at present and will contribute to further rain areas over southeastern region today.

Some heavy falls may occur about the eastern Burnett, Wide Bay and northern parts of the Sunshine coast later today with the potential for flash flooding and this may contribute to existing flooding situation.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 7 January 2011 7:15 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER Issued at 7:14 AM on Friday the 7th of January 2011 by the Bureau of Meteorology, Brisbane.

40 - 70 mm of rainfall fell over the catchment since 9am Thursday which caused fast rises and minor to moderate flooding with some isolated major flooding in the Bremer River and Lockyer and Laidley Creeks. Rainfall has eased over the area in the past 6 hours and river levels are generally falling.

Further rainfall is expected over the catchment during Friday which could cause renewed river level rises.

LOCKYER CREEK
Minor to moderate flooding is easing on Lockyer Creek between Gatton and Lyons Bridge.

WARRILL CREEK
Minor flooding continues between Harrisville and Amberley.

BREMER RIVER
Moderate to major flooding is easing between Spressers Bridge and Rosewood.
Moderate flooding continues between Walloon and Three Mile Bridge.

Weather Forecast:
Rain areas.

Next Issue:
The next warning will be issued by 4pm Friday.

Latest River Heights:

Lockyer Ck at Helidon *	2.65m falling	08:40 PM THU 06/01/11
Lockyer Ck at Helidon #	1.78m falling	04:38 AM FRI 07/01/11
Tenthill Ck at Tenthill *	2.56m falling	05:00 AM FRI 07/01/11
Lockyer Ck at Gatton *	9.09m falling	08:40 PM THU 06/01/11
Lockyer Ck at Gatton #	7.08m steady	06:10 AM FRI 07/01/11
Laidley Ck at Mulgowie *	2.82m falling	04:00 AM FRI 07/01/11
Laidley Ck at Laidley	8.1m falling slowly	06:30 PM THU 06/01/11
Laidley Ck at Showground Weir *	7.69m falling	08:40 PM THU 06/01/11
Laidley Ck at Showground Weir #	5.28m steady	05:53 AM FRI 07/01/11
Laidley Ck at Warrego Hwy *	5.16m falling	05:00 AM FRI 07/01/11
Lockyer Ck at Glenore Grove #	9.44m falling	06:25 AM FRI 07/01/11
Lockyer Ck at Lyons Br #	12.83m falling	06:15 AM FRI 07/01/11
Lockyer Ck at Rifle Range Rd *	8.24m rising	08:40 PM THU 06/01/11
Lockyer Ck at O'Reilly's Weir *	10.49m rising	05:00 AM FRI 07/01/11
Lockyer Ck at O'Reilly's Weir #	10.52m rising	05:55 AM FRI 07/01/11
Brisbane R at Savages Crossing *	3.34m rising	08:40 PM THU 06/01/11
Brisbane R at Savages Crossing #	4.59m rising	06:21 AM FRI 07/01/11
Brisbane R at Burtons Br #	2.66m rising	06:20 AM FRI 07/01/11
Brisbane R at Mt Crosby #	7.87m steady	06:19 AM FRI 07/01/11
Brisbane R at Mt Crosby #	7.86m rising	05:51 AM FRI 07/01/11
Brisbane R at Colleges Crossing #	3.26m steady	04:34 AM FRI 07/01/11
Bremer R at Adams Br *	1.88m steady	05:20 AM FRI 07/01/11
Bremer R at Adams Br #	1.87m falling	06:25 AM FRI 07/01/11
Bremer R at Stokes Crossing #	2.25m falling	06:11 AM FRI 07/01/11

Bremer R at Spressers Br #	5.22m falling	06:10 AM FRI 07/01/11
Spring Ck at Greys Plains Rd #	0.99m steady	03:49 AM FRI 07/01/11
Western Ck at Grandchester #	0.98m falling	05:41 AM FRI 07/01/11
Western Ck at Kuss Rd #	4.18m falling	06:24 AM FRI 07/01/11
Western Ck at Rosewood WWTP #	5.43m falling	06:14 AM FRI 07/01/11
Bremer R at Rosewood	3.8m rising fast	03:00 PM THU 06/01/11
Bremer R at Rosewood#	5.01m falling	06:17 AM FRI 07/01/11
Bremer R at Rosewood #	5.02m falling	06:23 AM FRI 07/01/11
Bremer R at Five Mile Br Walloon #	5.76m falling	06:24 AM FRI 07/01/11
Bremer R at Walloon DERM *	6.78m rising	05:00 AM FRI 07/01/11
Bremer R at Three Mile Br #	16.05m steady	05:11 AM FRI 07/01/11
Warrill Ck at Toohills Crossing *	0.81m falling	08:40 PM THU 06/01/11
Warrill Ck at Kalbar Weir TW *	5.75m rising	08:40 PM THU 06/01/11
Warrill Ck at Kalbar	7.6m falling	06:00 PM THU 06/01/11
Warrill Ck at Harrisville #	4m falling	05:11 AM FRI 07/01/11
Warrill Ck at Harrisville#	3.9m steady	05:18 AM FRI 07/01/11
Warrill Ck at Churchbank Weir *	0.96m rising	08:30 PM THU 06/01/11
Warrill Ck at Churchbank Weir #	1.91m rising	06:22 AM FRI 07/01/11
Warrill Ck at Greens Rd Amberley #	4.62m falling	06:20 AM FRI 07/01/11
Warrill Ck at Amberley DNR *	3.94m rising	08:40 PM THU 06/01/11
Purga Ck at Peak Crossing #	0.81m rising	05:19 AM FRI 07/01/11
Purga Ck at Loamside #	1.61m steady	05:49 AM FRI 07/01/11
Purga Ck at Loamside *	1.5m rising	08:30 PM THU 06/01/11
Bremer R at Berry's Lagoon *	15.91m rising	07:45 PM THU 06/01/11
Bremer R at One Mile Br #	10.5m rising	06:22 AM FRI 07/01/11
Bremer R at Hancocks Br Brassall #	5.53m rising	06:22 AM FRI 07/01/11
Bremer R at Ipswich #	2.25m rising	06:19 AM FRI 07/01/11

*, # denote automatic

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3567

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 7 January 2011 8:26 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett forecast districts.

Issued at 8:25 am on Friday 7 January 2011

Synoptic Situation: At 7am EST, an upper level low was located over the Capricornia district while a low level trough was located off the Capricorn coast. These systems will combine to produce further rain areas and thunderstorms over the Southeast Coast and Wide Bay and Burnett forecast districts.

Some heavy falls are currently occurring about southern parts of the Southeast Coast District. Heavy rainfall is also expected to develop further north about the Sunshine Coast and Wide Bay and Burnett district through today. Rainfalls should ease south of the Sunshine Coast later today.

Heavy rainfalls may lead to localised flash flooding and/or worsen existing river flooding.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Friday, 7 January 2011 11:25 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Issued at 11:25 am on Friday 7 January 2011

Synoptic Situation: At 10am EST, an upper level low was located over the Capricornia district while a low level trough was located near the Queensland east coast. These systems will combine to produce further rain areas and thunderstorms over the Southeast Coast and Wide Bay and Burnett districts.

Heavy rain and isolated thunderstorms are currently occurring about the Southeast Coast district. These conditions are expected to develop in the Wide Bay and Burnett district during this afternoon and evening. Rainfall is expected to ease south of the Sunshine Coast later today.

Heavy rainfall may lead to localised flash flooding and/or worsen existing river flooding.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5pm Thursday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 7 January 2011 12:22 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 12:21 PM on Friday the 7th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For more information on flood warnings see: www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Glenore Weir.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Belyando/Suttor Rivers downstream from Albro and around St Anns.

Logan/Albert Rivers: Minor flooding is rising in the upper Logan River at Rathdowney and in Teviot Brook at Boonah.

Brisbane Creeks: Minor flooding is easing in Oxley Creek at Archerfield. Minor flooding is occurring on Woogaroo Creek at Opossum.

Sunshine Coast Rivers: Minor flooding is easing on Mooloolah River at Jordan Street. Moderate flooding is occurring on Paynter Creek at Diddillibah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3648

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 7 January 2011 3:32 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Issued at 3:35 pm on Friday 7 January 2011

Synoptic Situation: At 3pm EST, an upper level low was located over the Capricornia district while a low level trough was located near the Queensland east coast. The upper level low is forecast to move off the Capricornia coast on Saturday while the low level trough remains slow moving.

Heavy rain and isolated thunderstorms are currently occurring about the Wide Bay and Burnett and Southeast Coast districts north of Brisbane. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

These conditions are expected to persist about the Wide Bay and Burnett district on Saturday while redeveloping throughout the Southeast Coast district during the afternoon and evening.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Friday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 7 January 2011 3:37 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Issued at 3:40 pm on Friday 7 January 2011

Synoptic Situation: At 3pm EST, an upper level low was located over the Capricornia district while a low level trough was located near the Queensland east coast. The upper level low is forecast to move off the Capricornia coast on Saturday while the low level trough remains slow moving.

Heavy rain and isolated thunderstorms are currently occurring about the Wide Bay and Burnett and Southeast Coast districts north of Brisbane. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

These conditions are expected to persist in these areas on Saturday while redeveloping throughout the Southeast Coast district during the afternoon and evening.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Friday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 7 January 2011 4:25 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER Issued at 4:24 PM on Friday the 7th of January 2011 by the Bureau of Meteorology, Brisbane.

Some small renewed rises and minor to moderate flooding is occurring along Lockyer and Warrill Creeks. River rises are also occurring in the Bremer River where minor flooding continues. The rainfall has continued to ease during Friday afternoon, which is expected to result in stream levels to commence to ease during this evening and overnight Friday.

The rainfall has continued to ease during Friday afternoon, with less than 7mm recorded during the previous 3 hours to 4pm. Further small rises are occurring along the upper reaches of the Lockyer and Warrill Creeks and in the Bremer River during Friday afternoon.

LOCKYER CREEK:
Minor to moderate flooding continues on Lockyer Creek between the Warrego Highway and Rifle Range Road.

WARRILL CREEK:
Minor to moderate flooding continues between Kalbar and Amberley.

BREMER RIVER:
Minor flooding continues between Spressers Bridge and Three Mile Bridge.

Weather Forecast:
Rain periods with moderate falls possible and local thunder at times.

Next Issue:
The next warning will be issued at about 9am Saturday, or earlier if heavy rainfall returns to the catchment.

Latest River Heights:

Lockyer Ck at Helidon #	3.3m rising	03:50 PM FRI 07/01/11
Tenthill Ck at Tenthill *	2.49m falling	02:00 PM FRI 07/01/11
Lockyer Ck at Gatton #	6.94m falling	03:49 PM FRI 07/01/11
Laidley Ck at Mulgowie *	2.95m rising	02:30 PM FRI 07/01/11
Laidley Ck at Laidley	8.1m falling slowly	06:30 PM THU 06/01/11
Laidley Ck at Showground Weir #	5.22m rising	03:40 PM FRI 07/01/11
Laidley Ck at Warrego Hwy *	4.71m falling	02:00 PM FRI 07/01/11
Lockyer Ck at Glenore Grove #	7.88m rising	03:47 PM FRI 07/01/11
Lockyer Ck at Lyons Br #	11.97m falling	03:42 PM FRI 07/01/11
Lockyer Ck at Rifle Range Rd *	12.38m steady	08:00 AM FRI 07/01/11
Lockyer Ck at O'Reilly's Weir #	10.56m falling	03:53 PM FRI 07/01/11
Brisbane R at Lowood Pump Stn #	5.43m rising	03:31 PM FRI 07/01/11
Brisbane R at Savages Crossing #	5.65m falling	03:49 PM FRI 07/01/11
Brisbane R at Burtons Br #	3.88m rising	03:53 PM FRI 07/01/11
Brisbane R at Kholo Br #	-1.97m rising	03:44 PM FRI 07/01/11
Brisbane R at Mt Crosby #	8.34m rising	03:27 PM FRI 07/01/11
Brisbane R at Colleges Crossing #	4.71m rising	03:27 PM FRI 07/01/11
Bremer R at Adams Br #	2.43m falling	03:52 PM FRI 07/01/11
Bremer R at Stokes Crossing #	2.3m rising	03:45 PM FRI 07/01/11
Bremer R at Spressers Br #	4.32m falling	02:53 PM FRI 07/01/11

ICC.005.3564

Spring Ck at Greys Plains Rd #	1.39m falling	03:37 PM FRI 07/01/11
Western Ck at Grandchester #	2.43m falling	03:54 PM FRI 07/01/11
Western Ck at Kuss Rd #	4.6m rising	03:53 PM FRI 07/01/11
Western Ck at Rosewood WWTP #	4.88m rising	03:53 PM FRI 07/01/11
Bremer R at Rosewood #	4.32m steady	02:27 PM FRI 07/01/11
Bremer R at Five Mile Br Walloon #	4.16m falling	03:45 PM FRI 07/01/11
Bremer R at Walloon DERM *	5.77m falling	02:00 PM FRI 07/01/11
Bremer R at Three Mile Br #	14.3m steady	03:26 PM FRI 07/01/11
Warrill Ck at Toohills Crossing *	1.21m rising	08:20 AM FRI 07/01/11
Warrill Ck at Harrisville #	4.32m rising	03:32 PM FRI 07/01/11
Warrill Ck at Churchbank Weir #	1.97m rising	03:38 PM FRI 07/01/11
Warrill Ck at Greens Rd Amberley #	4.92m falling	03:47 PM FRI 07/01/11
Warrill Ck at Amberley DNR *	5.52m steady	08:20 AM FRI 07/01/11
Purga Ck at Peak Crossing #	1.51m rising	03:55 PM FRI 07/01/11
Purga Ck at Loamside #	2.37m steady	03:49 PM FRI 07/01/11
Bremer R at One Mile Br #	10.8m falling	03:43 PM FRI 07/01/11
Bremer R at Hancocks Br Brassall #	7.23m falling	03:42 PM FRI 07/01/11
Bremer R at Ipswich #	4.2m falling	03:46 PM FRI 07/01/11
Brisbane R at Moggill #	2.07m falling	03:42 PM FRI 07/01/11
Brisbane R at City Gauge *	0.62m rising	08:20 AM FRI 07/01/11
Moreton Bay at Whyte Island #	0.07m falling	03:51 PM FRI 07/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3565

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Friday, 7 January 2011 7:37 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:36 PM on Friday the 7th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For more information on flood warnings see: www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Logan/Albert Rivers: Minor flooding is rising in the upper Logan River at Rathdowney and in Teviot Brook at Boonah.

- isbane Creeks: Minor flooding is easing in Oxley Creek at Archerfield. Minor looding is occurring on Woogaroo Creek at Opossum.

Sunshine Coast Rivers: Minor flooding is rising in the Eumundi area and easing on Mooloolah River at Jordan Street and in the Maroochy River at Yandina.
Moderate flooding is occurring on Paynter Creek at Diddillibah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3647

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 7 January 2011 10:50 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Issued at 10:50 pm on Friday 7 January 2011

Synoptic Situation: At 10pm EST, an upper level low was located offshore from the Capricornia district while a low level trough was located near the Wide Bay coast.

Heavy rain and isolated thunderstorms are currently occurring about the southern Wide Bay and Burnett district and are forecast to develop about the Sunshine Coast during Saturday morning, and remaining parts of the Southeast Coast district on Saturday afternoon. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5am Saturday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 8 January 2011 4:52 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Issued at 4:55 am on Saturday 8 January 2011

Synoptic Situation: At 10pm EST, an upper level low was located offshore from the Capricornia district while a low level trough was located near the Wide Bay coast.

Heavy rain and isolated thunderstorms are currently occurring about the southern Wide Bay and Burnett district and are forecast to develop about the Sunshine Coast during Saturday morning, and remaining parts of the Southeast Coast district on Saturday afternoon. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: Rainfall of up to 220mm over the Mary River catchment since 9am Friday has caused rapid river rises there, see separate Flood Warning for details.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5am Saturday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 8 January 2011 9:06 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER Issued at 9:05 AM on Saturday the 8th of January 2011 by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are generally falling along Lockyer and Warrill Creeks and the Bremer River.

LOCKYER CREEK:
Minor to moderate flooding continues along Lockyer Creek between the Warrego Highway and Rifle Range Road. A moderate flood peak is expected this morning at Lyons Bridge of just over 12 metres.

WARRILL CREEK:
Minor to moderate flooding is falling between Harrisville and Amberley.

BREMER RIVER:
Minor flooding continues between Spressers Bridge and Walloon.

Weather Forecast:
Rain periods with moderate falls possible and local thunder at times.

Next Issue:
The next warning will be issued at about 9am Sunday, or earlier if heavy rainfall returns to the catchment.

Latest River Heights:

Lockyer Ck at Gatton *	4.83m falling	08:20 AM SAT 08/01/11
Laidley Ck at Mulgowie *	2.36m falling	07:00 AM SAT 08/01/11
Laidley Ck at Showground Weir #	5.12m steady	08:53 AM SAT 08/01/11
Laidley Ck at Warrego Hwy *	4.63m falling	08:00 AM SAT 08/01/11
Lockyer Ck at Glenore Grove #	8.2m falling	08:49 AM SAT 08/01/11
Lockyer Ck at Lyons Br #	12.09m falling	08:30 AM SAT 08/01/11
Lockyer Ck at Rifle Range Rd *	11.79m steady	08:00 AM SAT 08/01/11
Lockyer Ck at O'Reilly's Weir #	10.94m rising	08:34 AM SAT 08/01/11
Bremer R at Adams Br #	1.61m falling	08:52 AM SAT 08/01/11
Bremer R at Stokes Crossing #	1.8m falling	08:37 AM SAT 08/01/11
Bremer R at Spressers Br #	4.27m falling	08:23 AM SAT 08/01/11
Spring Ck at Greys Plains Rd #	0.89m steady	06:49 AM SAT 08/01/11
Western Ck at Grandchester #	0.78m falling	07:43 AM SAT 08/01/11
Western Ck at Kuss Rd #	3.28m falling	08:51 AM SAT 08/01/11
Western Ck at Rosewood WWTP #	3.98m falling	08:41 AM SAT 08/01/11
Bremer R at Rosewood #	4.2m falling	08:41 AM SAT 08/01/11
Bremer R at Five Mile Br Walloon #	4.02m falling	08:33 AM SAT 08/01/11
Bremer R at Walloon DERM *	5.17m falling	08:00 AM SAT 08/01/11
Bremer R at Three Mile Br #	13.85m falling	08:41 AM SAT 08/01/11
Warrill Ck at Toohills Crossing *	0.01m rising	08:10 AM SAT 08/01/11
Warrill Ck at Harrisville #	4.1m falling	08:47 AM SAT 08/01/11
Warrill Ck at Churchbank Weir #	2.07m steady	07:29 AM SAT 08/01/11
Warrill Ck at Greens Rd Amberley #	5.18m rising	08:50 AM SAT 08/01/11
Warrill Ck at Amberley DNR *	5.99m falling	08:00 AM SAT 08/01/11

*automatic station

ICC.005.3562

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3563

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 8 January 2011 10:44 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:43 AM on Saturday the 8th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Logan/Albert Rivers: Minor flooding along the upper Logan River at Rathdowney.

Brisbane Creeks: Minor flooding is easing in Oxley Creek.

Sunshine Coast Rivers: Minor flooding is occurring on Paynter Creek at Diddillibah.

Burrum River: Minor flooding at Howard.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3646

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Saturday, 8 January 2011 11:00 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Issued at 11:00 am on Saturday 8 January 2011

Synoptic Situation: At 10am EST, an upper level low was located offshore from the Capricornia district while a low level trough was located off the southern coast.

Heavy rain overnight has weakened recently to showers and isolated thunderstorms. Rain areas are expected to return to the Southeast Coast and Wide Bay and Burnett districts from this afternoon, and increase to moderate to heavy falls at times tonight and Sunday. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: Rainfall of up to 304mm over the Mary River catchment in the 24 hours to 9am Saturday. A Flood Warning is current for this area.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5pm Saturday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 8 January 2011 4:21 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 4:21 PM on Saturday the 8th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding easing between Cunnamulla and Rocky.

Burrum River: Minor flooding is steady at Howard.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3645

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 8 January 2011 5:12 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast and Wide Bay and Burnett districts.

Issued at 5:15 pm on Saturday 8 January 2011

Synoptic Situation: At 4pm EST, an upper level low was located offshore from the pricornia district while a low level trough was located off the southern coast.

Rain areas are expected to return to the Southeast Coast and Wide Bay and Burnett districts tonight, and are likely to increase to moderate to heavy falls at times during Sunday. Heavy rain may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: Rainfall of up to 304mm over the Mary River catchment in the 24 hours to 9am Saturday. A Flood Warning is current for this area.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Saturday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 8 January 2011 10:19 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district and southern parts of the Wide Bay and Burnett.

Issued at 10:20 pm on Saturday 8 January 2011

Synoptic Situation: At 10pm EST, an upper level low was located offshore of the Capricorn coast. A surface trough was located well offshore of the Fraser coast. Both of these systems are expected to move closer to the coast overnight and during Sunday.

Rain areas and thunderstorms are expected to increase through the Southeast Coast district and southern parts of the Wide Bay and Burnett district from early Sunday. Some heavy falls are likely which may lead to localised flash flooding and/or worsen existing river flooding.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5am Sunday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 9 January 2011 4:40 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district and southern parts of the Wide Bay and Burnett.

Issued at 4:40 am on Sunday 9 January 2011

Synoptic Situation: At 4am EST, an upper level low was located offshore of the Capricorn coast. A surface trough was located offshore of the southern Queensland coast. Both of these systems are expected to move closer to the coast today.

Rain areas and thunderstorms are expected to increase further through the Southeast Coast district and southern parts of the Wide Bay and Burnett district today. Some heavy falls are likely which may lead to localised flash flooding and/or worsen existing river flooding.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Sunday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Sunday, 9 January 2011 9:14 AM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR WARRILL CREEK THE LOWER BRISBANE BELOW WIVENHOE Issued at 9:13 AM on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane.

Minor flood levels are falling at Amberley along Warrill Creek.

SEQ Water advises releases from Wivenhoe Dam will continue through Sunday. Minor flooding will continue downstream along the Brisbane River to Mt Crosby today and tomorrow.

Weather Forecast:
Rain periods with moderate falls possible.

Next Issue:
The next warning will be issued at about 9am Monday or earlier if needed.

Latest River Heights:

Brisbane R at Savages Crossing *	10.34m	falling	08:10	AM SUN	09/01/11
Brisbane R at Savages Crossing #	10.31m	falling	09:03	AM SUN	09/01/11
Brisbane R at Burtons Br #	7.76m	falling	08:59	AM SUN	09/01/11
Cabbage Tree Ck at L Manchester #	51.19m	steady	07:55	AM SUN	09/01/11
Brisbane R at Kholo Br #	2.61m	falling	08:59	AM SUN	09/01/11
Brisbane R at Mt Crosby #	11.21m	steady	08:55	AM SUN	09/01/11
Brisbane R at Mt Crosby #	11.14m	falling	09:06	AM SUN	09/01/11
Brisbane R at Colleges Crossing #	8.91m	steady	09:07	AM SUN	09/01/11
Warrill Ck at Amberley DNR *	5.07m	falling	08:20	AM SUN	09/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 9 January 2011 10:54 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett, and eastern Darling Downs and Granite Belt District.

Issued at 10:55 am on Sunday 9 January 2011

Synoptic Situation: At 10am EST, an upper level low was located offshore of the Capricorn coast. A surface trough was located offshore of the southern Queensland coast. Both of these systems are expected to move closer to the coast today.

Rain areas and thunderstorms are expected to increase further through the Southeast Coast district and southern parts of the Wide Bay and Burnett district today. The heavy rain areas are expected to move into the eastern parts of the Darling Downs and Granite Belt District overnight. Some heavy falls are likely which may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: Rainfall over 100mm was recorded in the last 24 hours about parts of the Sunshine Coast and Hinterland.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5pm Sunday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Sunday, 9 January 2011 11:08 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:08 AM on Sunday the 9th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE
AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR
THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE STANLEY RIVER
BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR WARRILL CREEK THE LOWER BRISBANE BELOW WIVENHOE

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama.
Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Sunshine Coast streams: minor to moderate flooding is rising along many creeks and rivers in the Sunshine coast including Coochin Creek, North and South Maroochy Rivers, Paynter Creek and the Mooloolah River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 9 January 2011 1:58 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 1:57 PM on Sunday the 9th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE STANLEY RIVER BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE SUNSHINE COAST RIVERS FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR WARRILL CREEK THE LOWER BRISBANE BELOW WIVENHOE

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 9 January 2011 2:51 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 2:50 PM on Sunday the 9th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER FLOOD WARNING FOR COOPER CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE SUNSHINE COAST RIVERS FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR WARRILL CREEK THE LOWER BRISBANE BELOW WIVENHOE

For more information on flood warnings see: www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 9 January 2011 4:55 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett, and eastern Darling Downs and Granite Belt District.

Issued at 4:55 pm on Sunday 9 January 2011

Synoptic Situation: At 4pm EST, an upper level low was located near the Wide Bay coast. A surface trough was located near the southern Queensland coast. Both of these systems are moving towards the west and southwest.

Rain areas and thunderstorms are expected to continue about the northern and central parts of the Southeast Coast District, southern parts of the Wide Bay and Burnett District, and northeastern parts of the Darling Downs and Granite Belt district. The heavy rain areas are expected to move into the southern parts towards the border with New South Wales and west to the Granite Belt overnight.
Heavy falls are likely which may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: In the past 24 hours, Maleny has recorded 239mm, West Bellthorpe 233mm and Lindfield 226mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Sunday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 9 January 2011 10:56 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOWER BRISBANE BELOW WIVENHOE Issued at 10:55 PM on Sunday the 9th of January 2011 by the Bureau of Meteorology, Brisbane.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek upstream of Gatton and in the Bremer River in the Rosewood area.
Further rainfall is forecast for the region during Monday which may produce higher levels.

LOCKYER CREEK:
Lockyer Creek levels in the Helidon area have peaked at about 7 metres with further rises and moderate to major flooding expected downstream to the O'Reilly's area during Monday.

BREMER RIVER:
River level rises and moderate to major flooding continue in the Rosewood area.
Further rises are expected downstream during the next 24 hours with at least minor flood levels expected in the Bremer River at Ipswich during Monday night.

MIDDLE AND LOWER BRISBANE:
SEQ Water advises releases from Wivenhoe Dam will continue. Minor flooding will continue along the middle Brisbane River at Savages and Mt Crosby with moderate flood levels expected at Mt Crosby overnight Monday.

Next Issue:
The next warning will be issued at about 9am Monday.

Latest River Heights:

Lockyer Ck at Helidon #	6.68m falling	10:08 PM SUN 09/01/11
Flagstone Ck at Brown-Zirbels Rd *	4.65m rising	08:40 PM SUN 09/01/11
Sandy Creek at Sandy Creek Road #	4.25m falling	10:03 PM SUN 09/01/11
Ma Ma Ck at Harm's *	1.92m steady	08:00 AM SUN 09/01/11
Tenthill Ck at Tenthill *	2.45m steady	08:33 PM SUN 09/01/11
Lockyer Ck at Gatton #	9.62m falling	09:58 PM SUN 09/01/11
Laidley Ck at Mulgowie *	3.33m rising	08:00 PM SUN 09/01/11
Laidley Ck at Laidley	3.95m falling slowly	08:00 PM SUN 09/01/11
Laidley Ck at Showground Weir #	5.6m falling	08:55 PM SUN 09/01/11
Bill Gunn Dam #	110.06m steady	09:44 PM SUN 09/01/11
Laidley Ck at Warrego Hwy *	4.36m rising	08:00 PM SUN 09/01/11
LLockyer Ck at Glenore Grove #	8.8m rising	10:09 PM SUN 09/01/11
Lockyer Ck at Lyons Br #	10.03m rising	10:08 PM SUN 09/01/11
Lockyer Ck at Rifle Range Rd *	9.47m rising	08:40 PM SUN 09/01/11
Atkinson Dam #	65.76m steady	09:52 PM SUN 09/01/11
Lockyer Ck at O'Reilly's Weir #	12m rising	10:05 PM SUN 09/01/11
Brisbane R at Lowood Pump Stn #	10.87m falling	10:07 PM SUN 09/01/11
Brisbane R at Savages Crossing #	11.47m rising	10:09 PM SUN 09/01/11
Brisbane R at Burtons Br #	8.78m rising	10:08 PM SUN 09/01/11
Cabbage Tree Ck at L Manchester #	51.97m rising	10:10 PM SUN 09/01/11
Brisbane R at Kholo Br #	3.61m rising	10:10 PM SUN 09/01/11
Brisbane R at Mt Crosby #	11.9m rising	10:09 PM SUN 09/01/11
Brisbane R at Colleges Crossing #	9.71m rising	10:11 PM SUN 09/01/11
Bremer R at Adams Br #	2.15m falling	10:03 PM SUN 09/01/11
Bremer R at Stokes Crossing #	2.65m rising	09:53 PM SUN 09/01/11
Bremer R at Spressers Br #	4.87m rising	09:56 PM SUN 09/01/11

ICC.005.3559

Spring Ck at Greys Plains Rd #	1.14m steady	09:48 PM SUN 09/01/11
Western Ck at Grandchester #	3.38m rising	10:07 PM SUN 09/01/11
Western Ck at Rosewood WWTP #	6.43m rising	08:45 PM SUN 09/01/11
Bremer R at Rosewood #	5.02m rising	10:05 PM SUN 09/01/11
Bremer R at Five Mile Br Walloon #	4m rising	10:09 PM SUN 09/01/11
Bremer R at Walloon DERM *	4.54m rising	08:00 PM SUN 09/01/11
Reynolds Ck at Moogerah Dam #	155.5m steady	09:01 PM SUN 09/01/11
Warrill Ck at Kalbar Weir HW #	75.75m steady	09:59 PM SUN 09/01/11
Warrill Ck at Kalbar Weir TW *	5.25m falling	08:40 PM SUN 09/01/11
Warrill Ck at Harrisville#	2.45m rising	10:08 PM SUN 09/01/11
Warrill Ck at Churchbank Weir #	0.76m steady	07:29 PM SUN 09/01/11
Warrill Ck at Greens Rd Amberley #	4.52m rising	10:05 PM SUN 09/01/11
Warrill Ck at Amberley DNR *	5.43m rising	08:40 PM SUN 09/01/11
Purga Ck at Peak Crossing #	1.16m rising	08:08 PM SUN 09/01/11
Purga Ck at Loamside *	4.19m falling	08:40 PM SUN 09/01/11
Bremer R at Berry's Lagoon *	17.66m rising	08:30 PM SUN 09/01/11
Bremer R at One Mile Br #	8.9m rising	10:11 PM SUN 09/01/11
Bremer R at Hancocks Br Brassall #	5.98m steady	10:11 PM SUN 09/01/11
Bremer R at Ipswich #	3.95m rising	09:58 PM SUN 09/01/11
Brisbane R at Moggill #	3.57m rising	09:46 PM SUN 09/01/11
Brisbane R at City Gauge #	0.1m steady	08:12 PM SUN 09/01/11
Moreton Bay at Whyte Island #	0.45m rising	10:07 PM SUN 09/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3560

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 9 January 2011 10:58 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett district and eastern parts of the Darling Downs and Granite Belt district.

Issued at 11:00 pm on Sunday 9 January 2011

Synoptic Situation: At 10pm EST, an upper level low was located over the southern Capricornia. A surface trough was located near the Fraser coast. Both of these systems are moving slowly west.

Heavy rain areas and thunderstorms are expected to continue about northern and central parts of the Southeast Coast District, southern parts of the Wide Bay and Burnett District, and northeastern parts of the Darling Downs and Granite Belt district. The heavy rain areas are expected to extend further south to the New South Wales border and west to the Granite Belt overnight. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: In the past 24 hours, Maleny has recorded 336mm, West Bellthorpe 331mm and Lindfield 301mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5am Monday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

ICC.005.3846

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 12:36 AM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOWER BRISBANE BELOW WIVENHOE Issued at 12:36 AM on Monday the 10th of January 2011 by the Bureau of Meteorology, Brisbane.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek upstream of Gatton and in the Bremer River in the Rosewood area.
Further heavy rainfall is forecast for the catchments of the Bremer River and Warrill and Lockyer Creeks during Monday.

LOCKYER CREEK:
Moderate to major flood levels have developed in Lockyer Creek upstream of Gatton. Levels in the Helidon area have peaked at about 7 metres and rises continue at Gatton. Rises to major flood levels are expected during Monday at Glenore Grove and Lyons Bridge.

BREMER RIVER:
River level rises and moderate to major flooding continue in the Rosewood area. Further rises are expected downstream during the next 24 hours with at least minor flood levels expected in the Bremer River at Ipswich during Monday night and continuing into Tuesday.

MIDDLE AND LOWER BRISBANE:
SEQ Water advises releases from Wivenhoe Dam will continue. Minor flooding will continue along the middle Brisbane River at Savages and Mt Crosby during Monday with moderate flood levels expected overnight Monday.

Higher than predicted tides are expected to continue in the Lower Brisbane area during Monday. Minor flood levels are possible on the high tide at the Brisbane City (Port Office) gauge during Tuesday and Wednesday.

Next Issue:
The next warning will be issued at about 9.30am Monday.

Latest River Heights:

Lockyer Ck at Helidon #	6.5m rising	11:47 PM SUN 09/01/11
Flagstone Ck at Brown-Zirbels Rd *	4.65m rising	08:40 PM SUN 09/01/11
Sandy Creek at Sandy Creek Road #	4.2m rising	11:39 PM SUN 09/01/11
Lockyer Ck at Gatton #	12.98m steady	11:46 PM SUN 09/01/11
Laidley Ck at Mulgowie *	3.45m rising	10:00 PM SUN 09/01/11
Laidley Ck at Laidley	3.95m falling slowly	08:00 PM SUN 09/01/11
Laidley Ck at Showground Weir *	5.62m falling	08:30 PM SUN 09/01/11
Laidley Ck at Showground Weir #	5.72m rising	11:37 PM SUN 09/01/11
Laidley Ck at Warrego Hwy *	4.75m rising	10:00 PM SUN 09/01/11
Lockyer Ck at Glenore Grove #	9.98m rising	11:48 PM SUN 09/01/11
Lockyer Ck at Lyons Br #	10.73m rising	11:47 PM SUN 09/01/11
Lockyer Ck at Rifle Range Rd *	9.47m rising	08:40 PM SUN 09/01/11
Lockyer Ck at O'Reilly's Weir #	12.34m rising	11:45 PM SUN 09/01/11
Brisbane R at Lowood Pump Stn #	11.19m falling	11:46 PM SUN 09/01/11
Brisbane R at Savages Crossing #	11.73m rising	11:48 PM SUN 09/01/11
Brisbane R at Burtons Br #	9.06m rising	11:32 PM SUN 09/01/11
Brisbane R at Kholo Br #	3.91m rising	11:44 PM SUN 09/01/11
Brisbane R at Mt Crosby #	12.24m steady	11:49 PM SUN 09/01/11
Brisbane R at Colleges Crossing #	9.91m rising	11:46 PM SUN 09/01/11

ICC.005.3557

Bremer R at Spressers Br #	4.97m rising	11:08 PM SUN 09/01/11
Western Ck at Grandchester #	4.23m rising	11:45 PM SUN 09/01/11
Western Ck at Rosewood WWTP #	6.63m rising	11:49 PM SUN 09/01/11
Bremer R at Rosewood #	5.14m rising	11:41 PM SUN 09/01/11
Bremer R at Five Mile Br Walloon #	4.66m rising	11:48 PM SUN 09/01/11
Bremer R at Walloon DERM *	5.04m rising	10:30 PM SUN 09/01/11
Reynolds Ck at Moogerah Dam #	155.48m falling	11:34 PM SUN 09/01/11
Warrill Ck at Harrisville #	2.74m rising	11:44 PM SUN 09/01/11
Warrill Ck at Harrisville#	2.65m rising	11:32 PM SUN 09/01/11
Warrill Ck at Greens Rd Amberley #	4.4m falling	11:47 PM SUN 09/01/11
Warrill Ck at Amberley DNR *	5.43m rising	08:40 PM SUN 09/01/11
Bremer R at Berry's Lagoon *	17.66m rising	08:30 PM SUN 09/01/11
Bremer R at One Mile Br #	9.25m rising	11:33 PM SUN 09/01/11
Bremer R at Hancocks Br Brassall #	6.23m rising	11:33 PM SUN 09/01/11
Bremer R at Ipswich #	4.1m rising	11:34 PM SUN 09/01/11
Brisbane R at Moggill #	3.72m rising	11:44 PM SUN 09/01/11
Brisbane R at City Gauge #	0.9m rising	11:12 PM SUN 09/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3558

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 4:58 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett district and eastern parts of the Darling Downs and Granite Belt district.

Issued at 5:00 am on Monday 10 January 2011

Synoptic Situation: At 4am EST, an upper level low was located over the southern Capricornia. A surface trough was located near the Fraser coast. Both of these systems are moving slowly west.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast district, far southern parts of the Wide Bay and Burnett District and eastern parts of the Darling Downs and Granite Belt district. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

Recent events: In the past 24 hours, West Bellthorpe recorded 343mm, Maleny 337mm, and Lindfield 313mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Monday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Monday, 10 January 2011 10:28 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
Issued at 10:28 AM on Monday the 10th of January 2011 by the Bureau of Meteorology, Brisbane.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek and along the Bremer River. Moderate flood levels are likely at Ipswich. Further heavy rainfall is forecast for the catchments of the Brisbane and Bremer Rivers and Warrill and Lockyer Creeks during Monday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday. At the Brisbane City Gauge, river levels of about 2.3 metres are expected with the high tides on Tuesday and Wednesday causing minor flooding.

LOCKYER CREEK:
A major flood peak is currently around Glenore Grove of around 13 metres. Rises to around 14.5 metres are expected at Lyons Bridge later today and around 15 metres at Rifle Range Road. Higher levels are possible as rainfall continues.

BREMER RIVER:
River level rises and moderate flooding continue in the Rosewood area. Further rises are expected downstream during the next 24 hours with moderate flood levels of at least 10 metres expected in the Bremer River at Ipswich early on Tuesday.

MIDDLE AND LOWER BRISBANE:
SEQwater advises releases from Wivenhoe Dam will increase during Monday. Minor flooding is expected at Savages and moderate flooding at Mt Crosby overnight tonight.

The Brisbane River at the City Gauge (lower end of Edward Street and at Thornton Street) is expected to reach about 2.3 metres with the high tides on Tuesday and Wednesday. Further rises are possible as rainfall continues.

Predicted River Heights/Flows:
Ipswich: Reach at least 9.5 metres (moderate) during the early hours of Tuesday.

Moggill: Reach around 8 metres (below minor) on Tuesday morning.

Jindalee: Reach at least 5 metres (below minor) during Tuesday.

Brisbane: Reach about 2.3 metres (minor) with the high tides on Tuesday and Wednesday.

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 3:30pm Monday.

Latest River Heights:

Lockyer Ck at Gatton *	9.49m falling	08:20 AM MON 10/01/11
Laidley Ck at Laidley	3.85m steady	08:55 AM MON 10/01/11
Laidley Ck at Showground Weir *	5.3m falling	08:10 AM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.7m steady	08:00 AM MON 10/01/11

Lockyer Ck at Glenore Grove #	12.86m falling	09:18 AM MON 10/01/11
Lockyer Ck at Lyons Br #	14.07m rising	09:17 AM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	13.4m rising	08:20 AM MON 10/01/11
Brisbane R at Lowood Pump Stn #	13.21m rising	09:13 AM MON 10/01/11
Brisbane R at Savages Crossing #	12.95m rising	09:18 AM MON 10/01/11
Brisbane R at Burtons Br #	9.92m rising	09:11 AM MON 10/01/11
Brisbane R at Kholo Br #	5.19m rising	09:12 AM MON 10/01/11
Brisbane R at Mt Crosby #	13.43m rising	09:16 AM MON 10/01/11
Brisbane R at Colleges Crossing #	11.11m rising	09:20 AM MON 10/01/11
Bremer R at Adams Br *	1.93m rising	08:30 AM MON 10/01/11
Bremer R at Stokes Crossing #	2.3m rising	09:01 AM MON 10/01/11
Bremer R at Spressers Br #	5.02m falling	09:03 AM MON 10/01/11
Western Ck at Rosewood WWTP #	6.38m falling	07:09 AM MON 10/01/11
Bremer R at Rosewood #	5.06m falling	09:08 AM MON 10/01/11
Bremer R at Five Mile Br Walloon #	5.42m rising	08:24 AM MON 10/01/11
Bremer R at Walloon DERM *	6.49m rising	08:00 AM MON 10/01/11
Warrill Ck at Harrisville#	2.65m steady	08:17 AM MON 10/01/11
Warrill Ck at Amberley DNR *	5.34m rising	08:10 AM MON 10/01/11
Bremer R at Ipswich #	5.7m rising	09:08 AM MON 10/01/11
Brisbane R at Moggill #	4.72m rising	09:14 AM MON 10/01/11
Brisbane R at Jindalee Br #	2.8m rising	09:17 AM MON 10/01/11
Brisbane R at City Gauge #	0.65m rising	09:09 AM MON 10/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3556

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 11:02 AM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett district and eastern parts of the Darling Downs and Granite Belt district.

Issued at 11:00 am on Monday 10 January 2011

Synoptic Situation: At 10am EST, an upper level low was located over the southwest of the Capricornia District. A surface trough was located off the southeast coast. Both of these systems are moving slowly west.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast district, far southern parts of the Wide Bay and Burnett District and eastern parts of the Darling Downs and Granite Belt district. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

The heavy rain areas and thunderstorms are expected to contract southwards into the Southeast Coast district and southeast parts of the Darling Downs and Granite Belt district during Tuesday.

Recent events: In the 24 hours to 9am EST Monday morning, Maleny received 321mm, West Bellthorpe 310 mm and Peachester 298 mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Monday

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 11:04 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, southern parts of the Wide Bay and Burnett district and eastern parts of the Darling Downs and Granite Belt district.

Issued at 11:05 am on Monday 10 January 2011

Synoptic Situation: At 10am EST, an upper level low was located over the southwest of the Capricornia District. A surface trough was located off the southeast coast. Both of these systems are moving slowly west.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast district, far southern parts of the Wide Bay and Burnett District and eastern parts of the Darling Downs and Granite Belt district. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

The heavy rain areas and thunderstorms are expected to contract southwards into the Southeast Coast district and southeast parts of the Darling Downs and Granite Belt district during Tuesday.

Recent events: In the 24 hours to 9am EST Monday morning, Maleny received 321mm, West Bellthorpe 310 mm and Peachester 298 mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5 pm Monday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 11:41 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:40 AM on Monday the 10th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER FLOOD WARNING FOR COOPER CREEK FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE SUNSHINE COAST RIVERS FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For more information on flood warnings see: www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 4:17 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 4:16 PM on Monday the 10th of January 2011 by the Bureau of Meteorology, Brisbane.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek, Warrill Creek and and along the Bremer River. Major flood levels are likely at Ipswich during Tuesday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday.

At the Brisbane City Gauge, a river levels of about 2.1 metres is expected with the afternoon high tide on Tuesday and about 3 metres is expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Further rainfall during Monday has led to renewed rises in the Lockyer Creek catchment. Rainfall is forecast to continue this evening and a return to moderate to major flood levels is expected overnight and during Tuesday. Major flood levels are expected to continue at Lyons Bridge with rises above 15 metres likely during Tuesday.

BREMER RIVER:
Rainfall during Monday will lead to renewed rises and a return to moderate flood levels along the Bremer River to Walloon. Levels over 5 metres are expected at Rosewood overnight.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
Further rainfall during Monday will lead to increasing river levels along Warrill Creek with levels expected to reach above 6 metres at Amberley overnight.

MIDDLE AND LOWER BRISBANE:
SEQwater advises releases from Wivenhoe Dam will increase during Monday.
Moderate flooding is expected at Savages Crossing and at Mt Crosby Weir overnight tonight and during Tuesday.

The Brisbane River at the City Gauge (lower end of Edward Street and at Thornton Street) is expected to reach about 2.1 metres with the afternoon high tide on Tuesday and reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon. Quicker rises and higher levels are possible depending on further

rainfall tonight.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres with the afternoon high tide on Tuesday.
Reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 9pm Monday.

Latest River Heights:

Lockyer Ck at Gatton #	10.36m steady	03:04 PM MON 10/01/11
Laidley Ck at Laidley	6m rising	02:45 PM MON 10/01/11
Laidley Ck at Showground Weir #	6.98m rising	03:07 PM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.43m falling	01:00 PM MON 10/01/11
Lockyer Ck at Glenore Grove #	11.36m falling	03:05 PM MON 10/01/11
Lockyer Ck at Lyons Br #	14.79m rising	03:02 PM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	13.4m rising	08:20 AM MON 10/01/11
Brisbane R at Lowood Pump Stn #	14.13m falling	03:07 PM MON 10/01/11
Brisbane R at Savages Crossing #	14.15m rising	03:09 PM MON 10/01/11
Brisbane R at Burtons Br #	10.88m rising	03:05 PM MON 10/01/11
Brisbane R at Kholo Br #	6.23m rising	03:06 PM MON 10/01/11
Brisbane R at Mt Crosby #	14.26m rising	03:07 PM MON 10/01/11
Brisbane R at Colleges Crossing #	11.96m rising	03:09 PM MON 10/01/11
Bremer R at Spressers Br #	5.07m rising	03:09 PM MON 10/01/11
Bremer R at Rosewood #	4.94m rising	03:02 PM MON 10/01/11
Bremer R at Five Mile Br Walloon #	5.12m falling	03:09 PM MON 10/01/11
Warrill Ck at Harrisville #	3.82m rising	03:05 PM MON 10/01/11
Warrill Ck at Amberley DNR *	5.34m rising	08:10 AM MON 10/01/11
Bremer R at Ipswich #	6.6m rising	02:40 PM MON 10/01/11
Brisbane R at Moggill #	5.52m rising	02:59 PM MON 10/01/11
Brisbane R at Jindalee Br #	3.7m rising	02:50 PM MON 10/01/11
Brisbane R at City Gauge #	1.36m falling	03:09 PM MON 10/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3554

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 5:06 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast district, far southern parts of the Wide Bay and Burnett district and eastern parts of the Darling Downs and Granite Belt district.

Issued at 5:05 pm on Monday 10 January 2011

Synoptic Situation: At 4pm EST, an upper level low was located over the west of the Wide Bay and Burnett district. A surface trough was located off the east Queensland coast. The upper low is forecast to move southwest over the southern interior of Queensland while the surface trough remains slow moving.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast district and eastern parts of the Darling Downs and Granite Belt district. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

The heavy rain areas and thunderstorms are expected to contract southwards and gradually ease in the Southeast Coast district and eastern parts of the Darling Downs and Granite Belt district later on Tuesday.

Rainfall has eased in far southern parts of the Wide Bay and Burnett district and therefore the warning for this district is now CANCELLED.

Recent events: In the 24 hours to 9am EST Monday, Maleny received 321mm, West Bellthorpe 310 mm and Peachester 298 mm.
In the 7 hours since 9am EST Monday, Redbank Creek received 126mm, Toowoomba Airport 88mm and Mt Castle 80mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Monday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

ICC.005.3842

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 6:13 PM
To: WeatherWarnings; Pager: Hickey, Daryl; 0408185689@sms.ipswich.qld.gov.au; Pager: Raveenthiran, Ravi; 0419799282@sms.ipswich.qld.gov.au; Pager: Van Den Ende, Ari
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 6:12 PM on Monday the 10th of January 2011 by the Bureau of Meteorology, Brisbane.

LOCKYER CREEK: Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment at Helidon and Laidley Creek at Mulgowie. These will extend to Gatton and areas downstream during the evening and overnight. Severe record major flooding is expected in areas downstream of Gatton overnight and during Tuesday.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek, Warrill Creek and and along the Bremer River. Major flood levels are likely at Ipswich during Tuesday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday.

At the Brisbane City Gauge, a river levels of about 2.1 metres is expected with the afternoon high tide on Tuesday and about 3 metres is expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment at Helidon and Laidley Creek at Mulgowie. These will extend to Gatton and areas downstream during the evening and overnight. High level record major flooding is expected in areas downstream of Gatton overnight and during Tuesday.

BREMER RIVER:
Rainfall during Monday will lead to renewed rises and a return to moderate flood levels along the Bremer River to Walloon. Levels over 5 metres are expected at Rosewood overnight.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
Further rainfall during Monday will lead to increasing river levels along Warrill Creek with levels expected to reach above 6 metres at Amberley overnight.

MIDDLE AND LOWER BRISBANE:
SEQwater advises releases from Wivenhoe Dam will increase during Monday.
Moderate flooding is expected at Savages Crossing and at Mt Crosby Weir overnight tonight and during Tuesday.

The Brisbane River at the City Gauge (lower end of Edward Street and at Thornton Street) is expected to reach about 2.1 metres with the afternoon high tide on Tuesday and reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon. Quicker rises and higher levels are possible depending on further rainfall tonight.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres with the afternoon high tide on Tuesday.
Reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 9pm Monday.

Latest River Heights:

Lockyer Ck at Helidon *	12.66m rising	02:50 PM MON 10/01/11
Lockyer Ck at Helidon #	12.68m steady	03:02 PM MON 10/01/11
Flagstone Ck at Brown-Zirbels Rd *	3.27m falling	08:20 AM MON 10/01/11
Sandy Creek at Sandy Creek Road #	3.8m falling	05:22 PM MON 10/01/11
Ma Ma Ck at Harm's *	2.28m falling	08:10 AM MON 10/01/11
Tenthill Ck at Tenthill *	4.53m rising	04:10 PM MON 10/01/11
Lockyer Ck at Gatton *	9.07m rising	05:30 PM MON 10/01/11
Lockyer Ck at Gatton #	13.22m rising	05:30 PM MON 10/01/11
Laidley Ck at Mulgowie *	7.88m rising	04:00 PM MON 10/01/11
Laidley Ck at Laidley	6m rising	02:45 PM MON 10/01/11
Laidley Ck at Showground Weir *	8.95m rising	05:30 PM MON 10/01/11
Laidley Ck at Showground Weir #	9m rising	05:31 PM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.28m falling	03:00 PM MON 10/01/11
Lockyer Ck at Glenore Grove #	10.78m falling	05:24 PM MON 10/01/11
Lockyer Ck at Lyons Br #	14.93m rising	05:05 PM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	14.85m rising	05:30 PM MON 10/01/11
Lockyer Ck at O'Reilly's Weir #	16.38m rising	05:29 PM MON 10/01/11
Brisbane R at Lowood Pump Stn #	14.53m falling	05:28 PM MON 10/01/11
Brisbane R at Savages Crossing #	14.37m rising	05:29 PM MON 10/01/11
Brisbane R at Burtons Br #	11.08m rising	05:23 PM MON 10/01/11
Brisbane R at Kholo Br #	6.63m rising	05:28 PM MON 10/01/11
Brisbane R at Mt Crosby #	14.64m rising	05:31 PM MON 10/01/11
Brisbane R at Mt Crosby #	14.08m falling	04:39 PM MON 10/01/11
Brisbane R at Colleges Crossing #	12.41m rising	05:33 PM MON 10/01/11
Bremer R at Stokes Crossing #	4.6m falling	05:20 PM MON 10/01/11
Warrill Ck at Churchbank Weir *	2.35m rising	05:30 PM MON 10/01/11
Warrill Ck at Greens Rd Amberley #	5.6m rising	05:26 PM MON 10/01/11
Bremer R at One Mile Br #	11.8m steady	05:03 PM MON 10/01/11
Bremer R at Hancocks Br Brassall #	9.28m rising	04:33 PM MON 10/01/11
Bremer R at Ipswich #	6.85m steady	05:27 PM MON 10/01/11
Brisbane R at Moggill #	5.87m rising	05:18 PM MON 10/01/11
Brisbane R at Jindalee Br #	3.75m steady	04:07 PM MON 10/01/11
Brisbane R at City Gauge #	0.81m falling	05:21 PM MON 10/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3552

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 6:30 PM
To: [redacted]

Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast, Darling Downs and Granite Belt and eastern parts of the Maranoa and Warrego districts.

Issued at 6:30 pm on Monday 10 January 2011

Synoptic Situation: At 6pm EST, an upper level low was located over the west of the Wide Bay and Burnett district. A surface trough was located off the east Queensland coast. The upper low is forecast to move southwest over the southern interior of Queensland while the surface trough remains slow moving.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast, Darling Downs and Granite Belt and eastern parts of the Maranoa and Warrego districts this evening. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

The heavy rain areas and thunderstorms are expected to contract into the Southeast Coast and eastern parts of the Darling Downs and Granite Belt districts during Tuesday. These conditions should gradually ease later in the day.

Recent events: In the 24 hours to 9am EST Monday, Maleny received 321mm, West Bellthorpe 310 mm and Peachester 298 mm.
In the 7 hours since 9am EST Monday, Redbank Creek received 126mm, Toowoomba Airport 88mm and Mt Castle 80mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Monday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 7:51 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast, Darling Downs and Granite Belt, far southern parts of the Wide Bay and Burnett and eastern parts of the Maranoa and Warrego districts.

Issued at 7:50 pm on Monday 10 January 2011

Synoptic Situation: At 7pm EST, an upper level low was located over the west of the Wide Bay and Burnett district. A surface trough was located off the east Queensland coast. The upper low is forecast to move southwest over the southern interior of Queensland while the surface trough remains slow moving.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast, Darling Downs and Granite Belt, far southern parts of the Wide Bay and Burnett and eastern parts of the Maranoa and Warrego districts this evening and overnight. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

The heavy rain areas and thunderstorms are expected to contract into the Southeast Coast and eastern parts of the Darling Downs and Granite Belt districts during Tuesday. These conditions should gradually ease later in the day.

Recent events: In the 24 hours to 9am EST Monday, Maleny received 321mm, West Bellthorpe 310 mm and Peachester 298 mm.
In the 7 hours since 9am EST Monday, Redbank Creek received 126mm, Toowoomba Airport 88mm and Mt Castle 80mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11pm Monday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 9:44 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 9:44 PM on Monday the 10th of January 2011 by the Bureau of Meteorology, Brisbane.

LOCKYER CREEK: Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment at Helidon and Gatton and Laidley Creek at Mulgowie.
Lockyer Creek at Gatton reached 19 metres, which is more than 2.5 metres above the previous record.

Rapid stream rises are occurring at Glenore Grove, and the river has reached 14.42 metres at 9pm. A peak in the next few hours is expected, with flood levels in excess of 15 metres possible.

Stream rises in the Lockyer Creek downstream are expected overnight, with the main flood waters reaching Lyons Bridge overnight.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek, Warrill Creek and and along the Bremer River. Major flood levels are likely at Ipswich during Tuesday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday.

At the Brisbane City Gauge, a river levels of about 2.1 metres is expected with the afternoon high tide on Tuesday and about 3 metres is expected with the high tides on Wednesday causing moderate flooding.

metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment at Helidon and Gatton and Laidley Creek at Mulgowie. These will extend to Lyons Bridge in the next few hours and areas downstream later Monday and early Tuesday. High level major flooding is expected in areas downstream of Gatton overnight and during Tuesday.

BREMER RIVER:
Rainfall during Monday will lead to renewed rises and a return to moderate flood levels along the Bremer River to Walloon. Levels over 5 metres are expected at Rosewood overnight.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
Further rainfall during Monday will lead to increasing river levels along Warrill Creek with levels expected to reach above 6 metres at Amberley overnight.

MIDDLE AND LOWER BRISBANE:
SEQwater advises releases from Wivenhoe Dam will increase during Monday.
Moderate flooding is expected at Savages Crossing and at Mt Crosby Weir overnight tonight and during Tuesday.

The Brisbane River at the City Gauge (lower end of Edward Street and at Thornton Street) is expected to reach about 2.1 metres with the afternoon high tide on Tuesday and reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon. Quicker rises and higher levels are possible depending on further rainfall tonight.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres with the afternoon high tide on Tuesday. Reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about midnight Monday.

Latest River Heights:

Lockyer Ck at Helidon *	12.66m rising	02:50 PM MON 10/01/11
Flagstone Ck at Brown-Zirbels Rd *	4.28m falling	08:40 PM MON 10/01/11
Sandy Creek at Sandy Creek Road #	2.85m falling	08:49 PM MON 10/01/11
Ma Ma Ck at Harm's *	2.28m falling	08:10 AM MON 10/01/11
Tenthill Ck at Tenthill *	4.52m falling	08:40 PM MON 10/01/11
Lockyer Ck at Gatton *	18.92m rising	18:30 PM MON 10/01/11
Laidley Ck at Mulgowie *	6.68m falling	07:30 PM MON 10/01/11
Laidley Ck at Laidley	8.6m rising slowly	06:00 PM MON 10/01/11
Laidley Ck at Showground Weir #	9.22m rising	08:58 PM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.38m rising	08:00 PM MON 10/01/11
Lockyer Ck at Glenore Grove #	14.42m rising	08:58 PM MON 10/01/11
Lockyer Ck at Lyons Br #	15.07m rising	08:56 PM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	14.99m rising	08:40 PM MON 10/01/11
Lockyer Ck at O'Reilly's Weir #	17.14m rising	08:55 PM MON 10/01/11
Brisbane R at Lowood Pump Stn #	15.17m falling	08:58 PM MON 10/01/11
Brisbane R at Savages Crossing *	14.76m falling	08:40 PM MON 10/01/11
Brisbane R at Savages Crossing #	14.87m steady	08:53 PM MON 10/01/11
Brisbane R at Burtons Br #	11.44m rising	08:47 PM MON 10/01/11
Brisbane R at Kholo Br #	7.09m rising	08:47 PM MON 10/01/11
Brisbane R at Mt Crosby #	15.05m rising	08:57 PM MON 10/01/11
Brisbane R at Colleges Crossing #	12.91m rising	09:00 PM MON 10/01/11
Warrill Ck at Greens Rd Amberley #	5.92m falling	08:56 PM MON 10/01/11
Bremer R at One Mile Br #	12.2m rising	08:59 PM MON 10/01/11
Bremer R at Hancocks Br Brassall #	9.58m rising	08:27 PM MON 10/01/11
Bremer R at Ipswich #	7.2m rising	08:56 PM MON 10/01/11
Brisbane R at Moggill #	6.12m rising	08:53 PM MON 10/01/11
Brisbane R at Jindalee Br #	3.75m steady	07:07 PM MON 10/01/11
Brisbane R at City Gauge *	0.41m steady	08:40 PM MON 10/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3550

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 10 January 2011 10:57 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast, Darling Downs and Granite Belt, far southern parts of the Wide Bay and Burnett and eastern parts of the Maranoa and Warrego districts.

Issued at 11:00 pm on Monday 10 January 2011

Synoptic Situation: At 10pm EST, an upper level low was located over the far southeast of the Central Highlands and Coalfields district. The upper low is forecast to move southwest over the southern interior of Queensland while weakening during Tuesday.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast, Darling Downs and Granite Belt, far southern parts of the Wide Bay and Burnett and eastern parts of the Maranoa and Warrego districts tonight.
Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

The heavy rain areas and thunderstorms are expected to contract into the Southeast Coast and eastern parts of the Darling Downs and Granite Belt districts during Tuesday. These conditions should gradually ease later in the day.

Recent events: In the 1 hour to 11pm EST Monday, Monsildale and Mt Stanley [situated in northern parts of the Southeast Coast district] both received 58mm.
In the 13 hours since 9am EST Monday, Redbank Creek received 132mm, Ballon 124mm and Mt Castle 103mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5am Tuesday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

ICC.005.3839

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 12:07 AM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 12:06 AM on Tuesday the 11th of January 2011 by the Bureau of Meteorology, Brisbane.

The main flood waters in the Lockyer Creek are now at Glenore Grove, with strong stream rises expected overnight and early Tuesday morning in the Lockyer Creek downstream of Glenore Grove.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday.

At the Brisbane City Gauge, minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and levels of about 3 metres are expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment and Laidley Creek at Mulgowie. Record flood levels of 18.92 metres were recorded at Gatton this evening before the station failed. This level is well above the previous record peak of 16.33 metres from the February 1893 flood.

The main flood waters are currently around Glenore Grove, with strong stream rises at Lyons Bridge expected in the next few hours. The Lockyer Creek at Glenore Grove has reached 14.60 metres at 11:30pm. A peak in the next few hours is expected, with flood levels in excess of 15 metres possible.

Renewed stream rises have commenced at the Lockyer River at Lyons Bridge with a peak between 16 and 16.5 metres expected early Tuesday morning.

BREMER RIVER:
The rainfall during Monday will lead to renewed rises and a return to moderate flood levels along the Bremer River to Walloon. Levels between 5 and 6 metres are expected at Rosewood overnight.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
The rainfall during Monday has lead to increases in Warrill Creek with Amberley currently peaking around 6 metres.

MIDDLE AND LOWER BRISBANE:
Moderate flooding is developing at Savages Crossing and at Mt Crosby Weir.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and levels of about 3 metres are expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres (minor) with the afternoon high tide on Tuesday. Reach about 3 metres (moderate) with the high tides on Wednesday.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 4am Tuesday.

Latest River Heights:

Lockyer Ck at Helidon #	12.68m steady	03:02 PM MON 10/01/11
Flagstone Ck at Brown-Zirbels Rd *	4.28m falling	08:40 PM MON 10/01/11
Sandy Creek at Sandy Creek Road #	2.45m rising	11:01 PM MON 10/01/11
Ma Ma Ck at Harm's *	2.28m falling	08:10 AM MON 10/01/11
Tenthill Ck at Tenthill *	4.07m falling	10:30 PM MON 10/01/11
Lockyer Ck at Gatton *	18.92m rising	6:30 PM MON 10/01/11
Laidley Ck at Mulgowie *	5.63m falling	10:10 PM MON 10/01/11
Laidley Ck at Laidley	8.7m falling slowly	10:00 PM MON 10/01/11
Laidley Ck at Showground Weir #	8.56m falling	11:16 PM MON 10/01/11
Bill Gunn Dam #	110.1m steady	11:14 PM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.8m rising	09:50 PM MON 10/01/11
Lockyer Ck at Glenore Grove #	14.6m rising	11:12 PM MON 10/01/11
Lockyer Ck at Lyons Br #	15.17m rising	10:38 PM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	14.99m rising	08:40 PM MON 10/01/11
Lockyer Ck at O'Reilly's Weir #	17.5m rising	11:16 PM MON 10/01/11
Brisbane R at Lowood Pump Stn #	15.45m rising	11:10 PM MON 10/01/11
Brisbane R at Savages Crossing #	15.25m falling	11:17 PM MON 10/01/11
Brisbane R at Burtons Br #	11.8m rising	11:14 PM MON 10/01/11
Brisbane R at Kholo Br #	7.41m rising	11:15 PM MON 10/01/11
Brisbane R at Mt Crosby #	15.31m rising	11:15 PM MON 10/01/11
Brisbane R at Colleges Crossing #	13.21m rising	11:18 PM MON 10/01/11
Warrill Ck at Greens Rd Amberley #	5.94m rising	11:08 PM MON 10/01/11
Bremer R at One Mile Br #	12.75m rising	11:08 PM MON 10/01/11
Bremer R at Hancocks Br Brassall #	10.13m rising	11:17 PM MON 10/01/11
Bremer R at Ipswich #	7.6m rising	11:17 PM MON 10/01/11
Brisbane R at Moggill #	6.42m rising	11:14 PM MON 10/01/11
Brisbane R at Jindalee Br #	3.9m rising	10:59 PM MON 10/01/11
Brisbane R at City Gauge #	1.05m rising	11:09 PM MON 10/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3548

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 12:39 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 12:38 AM on Tuesday the 11th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE SUNSHINE COAST RIVERS FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS FLASH FLOOD WARNING FOR LOCKYER CREEK

For more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Logan Rivers: Minor to moderate flooding is being recorded in the Logan River between the Rathdowney area downstream to Macleans Bridge.

Teviot Brook: Moderate flooding continues to ease at Boonah.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 4:07 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 4:06 AM on Tuesday the 11th of January 2011 by the Bureau of Meteorology, Brisbane.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge, with strong stream rises expected during Tuesday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane during Tuesday.

At the Brisbane City Gauge, minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and levels of about 3 metres are expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Extremely heavy rainfall during Monday led to extreme rises in the Lockyer Creek catchment and Laidley Creek at Mulgowie. Record flood levels of 18.92 metres were recorded at Gatton Monday evening before the station failed. This level was well above the previous record peak of 16.33 metres from the February 1893 flood.

The main flood waters are currently arriving at Lyons Bridge, with strong stream rises expected in the next few hours. The Lockyer Creek at Glenore Grove peaked at 14.60 metres at 11:30pm, which is 0.3 metres below the 1974 flood.

Renewed stream rises have commenced in Lockyer Creek at Lyons Bridge with a peak between 16 and 16.5 metres expected Tuesday morning. This is likely to be similar in level to the 1996 flood.

BREMER RIVER:
The Bremer River at Walloon has exceeded the moderate flood level. The Bremer River at Rosewood peaked at 5.8 metres around midnight monday.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
Warrill Creek at Amberley peaked at 5.98 metres around 9pm Monday.

MIDDLE AND LOWER BRISBANE:
Moderate flooding is developing at Savages Crossing and at Mt Crosby Weir.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and levels of about 3 metres are expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres (minor) with the afternoon high tide on Tuesday.
Reach about 3 metres (moderate) with the high tides on Wednesday.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 8am Tuesday.

Latest River Heights:

Lockyer Ck at Helidon #	12.68m steady	03:02 PM MON 10/01/11
Flagstone Ck at Brown-Zirbels Rd *	3.49m falling	02:10 AM TUE 11/01/11
Sandy Creek at Sandy Creek Road #	2.15m falling	03:19 AM TUE 11/01/11
Ma Ma Ck at Harm's *	3.26m rising	02:30 AM TUE 11/01/11
Tenthill Ck at Tenthill *	5.57m rising	02:40 AM TUE 11/01/11
Lockyer Ck at Gatton #	18.92m rising	06:30 PM MON 10/01/11
Laidley Ck at Mulgowie *	6.39m rising	02:20 AM TUE 11/01/11
Laidley Ck at Laidley	8.7m falling slowly	10:00 PM MON 10/01/11
Laidley Ck at Showground Weir #	7.84m rising	03:25 AM TUE 11/01/11
Laidley Ck at Warrego Hwy *	6.41m rising	02:00 AM TUE 11/01/11
Lockyer Ck at Glenore Grove #	13.8m falling	03:24 AM TUE 11/01/11
Lockyer Ck at Lyons Br #	15.55m rising	03:23 AM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *	15.39m rising	02:40 AM TUE 11/01/11
Lockyer Ck at O'Reilly's Weir #	18m falling	03:28 AM TUE 11/01/11
Brisbane R at Lowood Pump Stn #	15.93m falling	03:31 AM TUE 11/01/11
Brisbane R at Savages Crossing #	15.89m rising	03:29 AM TUE 11/01/11
Brisbane R at Burtons Br #	12.22m rising	03:29 AM TUE 11/01/11
Brisbane R at Kholo Br #	7.99m rising	03:29 AM TUE 11/01/11
Brisbane R at Mt Crosby #	15.82m steady	03:30 AM TUE 11/01/11
Brisbane R at Mt Crosby #	14.08m falling	04:39 PM MON 10/01/11
Brisbane R at Colleges Crossing #	13.91m rising	03:32 AM TUE 11/01/11
Bremer R at Rosewood#	5.56m falling	03:11 AM TUE 11/01/11
Bremer R at Five Mile Br Walloon #	6.4m rising	03:15 AM TUE 11/01/11
Warrill Ck at Greens Rd Amberley #	5.84m falling	03:29 AM TUE 11/01/11
Bremer R at One Mile Br #	13.75m rising	03:31 AM TUE 11/01/11
Bremer R at Hancocks Br Brassall #	11.33m rising	03:22 AM TUE 11/01/11
Bremer R at Ipswich #	8.55m rising	03:31 AM TUE 11/01/11
Brisbane R at Moggill #	7.07m rising	03:29 AM TUE 11/01/11
Brisbane R at Jindalee Br #	4.5m rising	03:29 AM TUE 11/01/11
Brisbane R at City Gauge #	1.4m falling	03:15 AM TUE 11/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3546

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 5:04 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and potentially worsening the existing river flood situation For people in the Southeast Coast, Darling Downs and Granite Belt, far southern parts of the Wide Bay and Burnett and eastern parts of the Maranoa and Warrego districts.

Issued at 5:05 am on Tuesday 11 January 2011

Synoptic Situation: At 4am EST, an upper level low was located over the Darling Downs and Granite Belt district. The upper low is forecast to move southwest over the southern interior of Queensland while weakening during the day.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast, Darling Downs and Granite Belt, far southern parts of the Wide Bay and Burnett and eastern parts of the Maranoa and Warrego districts today.
Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

The heavy rain areas and thunderstorms are expected to contract to the south by late today, before gradually easing.

Recent events: Rainfall since 9am Monday Monsildale 160mm, Mt Stanley 135mm, and Redbank Creek 134mm.

Flood warnings are current for various rivers and streams in these districts; refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Tuesday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 7:41 AM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:40 AM on Tuesday the 11th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE SUNSHINE COAST RIVERS FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding easing on Magnificent Creek at Kowanyama. Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Warrego River: Minor flooding continues between Cunnamulla and Rocky.

Logan-Albert Rivers: Minor to moderate flooding continues along the Logan River through to to Maclean Bridge. Minor flooding is rising along the Albert River between Benobble and Wolffdene. Moderate flooding rising in Teviot Brook at Boonah.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 7:59 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

Transmitters in the areas of the Southeast Coast District and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to localised flash flooding and worsening the existing river flood situation For people in the Southeast Coast District and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi.

Issued at 8:00 am on Tuesday 11 January 2011

Synoptic Situation: At 8am AEST, an upper level low was located over the Darling Downs and Granite Belt district and is forecast to move to the southwest and slowly weaken.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast and Darling Downs and Granite Belt today. Heavy falls will lead to localised flash flooding and will worsen existing river flooding.

Currently, an intense slow moving band of rainfall extends from about Maroochydore to Warwick. Rainfall rates in this band are reaching 80 to 100 mm per hour.

Flood warnings are current for various rivers and streams in these districts. Please refer to these products [www.bom.gov.au/qld] for further information.

The Severe Weather Warning for the southern parts of Wide Bay and Burnett and eastern Maranoa and Warrego and northwestern parts of Darling Downs and Granite Belt districts has been cancelled. However showers and thunderstorms will persist through the area and may produce heavy rainfall in these parts.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11am Tuesday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 9:29 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 9:28 AM on Tuesday the 11th of January 2011 by the Bureau of Meteorology, Brisbane.

Continuing heavy rainfall in the Lockyer Creek catchment is causing very fast rises along Tenthill Creek.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge, with strong stream rises during Tuesday and levels of above 17 metres are forecast.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will increase levels in Brisbane during Tuesday.

At the Brisbane City Gauge, minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and moderate flood levels of 2.6 metres with the overnight high tide. Further rises to 3.5 metres (major) is expected with the high tide on Wednesday afternoon with higher levels likely on Thursday.

LOCKYER CREEK:
Very heavy rainfall is continuing in the Lockyer Creek catchment and further very fast rises are being observed along Tenthill Creek this morning. Renewed rises are likely in the lower catchment during Tuesday prolonging major flooding. The Lockyer Creek at Glenore Grove peaked at 14.60 metres at 11:30pm, which is 0.3 metres below the 1974 flood. Renewed rises are likely at Glenore Grove today with a return to above 14 metres.

The main flood peak from Monday is currently approaching Lyons Bridge, with strong stream rises expected in the next few hours. A peak is expected above 17 metres at Lyons Bridge later today.

BREMER RIVER:
The Bremer River at Walloon has exceeded the moderate flood level. The Bremer River at Rosewood peaked at 5.8 metres around midnight Monday but renewed rises are expected as rainfall continues.

The Bremer River at Ipswich is expected to reach about 16 metres during Wednesday. Higher levels are expected.

WARRILL CREEK
Further rises are likely today as rainfall continues.

MIDDLE AND LOWER BRISBANE:
Moderate flooding will continue to rise at Savages Crossing and at Mt Crosby Weir.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and moderate flood levels of 2.6 metres with the overnight high tide.
Higher flood levels to 3.5 metres (major) are expected with the high tide on Wednesday afternoon. Levels above 3.5 metres are expected on Thursday.

ICC.005.3543

(3.5 metres at the Brisbane City gauge is about 2.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach at least 16 metres (major) during Wednesday; further rises.

Moggill: Reach at least 15 metres (moderate) during Wednesday; further rises.

Jindalee: Reach at least 9 metres (moderate) late Wednesday; further rises.

Brisbane City: Reach about 2.6 metres (moderate) with the overnight high tide tonight. Reach 3.5 metres (major) with the high tides on Wednesday. Higher levels are expected on Thursday with the high tides.

(3.5 metres at the Brisbane City gauge is about 2 metres higher than the highest tide of the year at this location).

Further rises are expected at all four locations with continued rainfall.

Next Issue:
The next warning will be issued at about 3:30pm Tuesday.

Latest River Heights:

Flagstone Ck at Brown-Zirbels Rd *	3.53m rising	05:40 AM TUE 11/01/11
Sandy Creek at Sandy Creek Road #	2.9m rising	06:56 AM TUE 11/01/11
Ma Ma Ck at Harm's *	2.96m rising	05:40 AM TUE 11/01/11
Tenthill Ck at Tenthill *	5.57m rising	05:46 AM TUE 11/01/11
Laidley Ck at Mulgowie *	6.83m rising	05:00 AM TUE 11/01/11
Laidley Ck at Laidley	8.7m falling slowly	10:00 PM MON 10/01/11
Laidley Ck at Showground Weir *	8.74m rising	05:40 AM TUE 11/01/11
Laidley Ck at Warrego Hwy *	6.28m rising	05:00 AM TUE 11/01/11
Lockyer Ck at Glenore Grove #	13.48m rising	06:52 AM TUE 11/01/11
Lockyer Ck at Lyons Br #	16.09m rising	06:56 AM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *	15.78m rising	05:40 AM TUE 11/01/11
Brisbane R at Lowood Pump Stn #	16.21m rising	06:55 AM TUE 11/01/11
Brisbane R at Savages Crossing #	16.17m rising	06:53 AM TUE 11/01/11
Brisbane R at Burtons Br #	12.92m rising	06:50 AM TUE 11/01/11
Brisbane R at Mt Crosby #	16.23m rising	06:36 AM TUE 11/01/11
Brisbane R at Colleges Crossing #	14.51m rising	06:57 AM TUE 11/01/11
Bremer R at Rosewood #	5.32m rising	06:41 AM TUE 11/01/11
Warrill Ck at Amberley DNR *	6.78m rising	05:20 AM TUE 11/01/11
Bremer R at Ipswich #	9.25m rising	06:50 AM TUE 11/01/11
Brisbane R at Moggill #	7.62m rising	06:45 AM TUE 11/01/11
Brisbane R at Jindalee Br #	4.75m rising	06:26 AM TUE 11/01/11
Brisbane R at City Gauge #	0.95m falling	06:30 AM TUE 11/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3544

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 10:59 AM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

Transmitters in the areas of the Southeast Coast District and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to flash flooding and worsening the existing river flood situation For people in the Southeast Coast District and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi.

Issued at 11:00 am on Tuesday 11 January 2011

Synoptic Situation: At 10am AEST, an upper level low was located over the southern Queensland interior and is forecast to move to the southwest and continue weakening. A surface trough lying over the Southeast Queensland Coast is expected to weaken overnight.

Heavy rain areas and local thunderstorms are expected to continue through the Southeast Coast and Darling Downs and Granite Belt today. Heavy falls will lead to flash flooding and will worsen existing river flooding.

Currently, an intense band of rainfall extends from about Tewantin to Warwick. Recent rainfall rates in this band have reached 80 to 100 mm per hour, particularly about the Brisbane and Lockyer Valleys. This rainfall band is expected to remain slow moving during the remainder of today.

Flood warnings are current for various rivers and streams in these districts. Please refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 2pm AEST Tuesday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 1:59 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

Transmitters in the areas of the Southeast Coast District and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to flash flooding and worsening the existing river flood situation For people in the Southeast Coast District and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi.

Issued at 2:00 pm on Tuesday 11 January 2011

Synoptic Situation: At 2 pm AEST, a surface trough was lying over the Southeast Queensland Coast and is expected to weaken overnight.

Heavy rain areas and local thunderstorms are expected to continue through the Southeast Coast and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi. Heavy falls will lead to flash flooding and will worsen existing river flooding.

Currently the focus of the heaviest rainfall extends from about Maroochydore to Warwick, including the Brisbane and Lockyer Valleys and Ipswich area. Recent rainfall rates in this band have reached 60 to 80 mm per hour. This rainfall band is expected to remain slow moving during the remainder of today and gradually weaken overnight and during Wednesday morning.

Flood warnings are current for various rivers and streams in these districts. Please refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 5 pm AEST Tuesday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 3:24 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 3:24 PM on Tuesday the 11th of January 2011 by the Bureau of Meteorology, Brisbane.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected with the overnight high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next
36 hours.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge and are continuing to increase near record levels.

LOCKYER CREEK:
Very heavy rainfall is continuing in the Lockyer Creek catchment and further very fast rises are being observed. Major flooding will continue this evening throughout the catchment. Flood levels at Glenore Grove were at 15.2 metres at 3pm, which is 0.3 metres above the 1974 flood level.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge and are continuing to increase near record levels.

BREMER RIVER:
The Bremer River at Walloon has exceeded the major flood level. The Bremer River at Rosewood is expected to reach at least 7.6 metres during the next few hours.

The Bremer River at Ipswich is expected to reach about 22 metres during Wednesday. Higher levels are possible as rainfall continues.

WARRILL CREEK
Further rises are likely today as rainfall continues with major flooding from Kalbar to Amberley continuing. Levels at Amberley are expected to reach at least
7.5 metres overnight.

MIDDLE AND LOWER BRISBANE:
Moderate flooding will continue to rise at Savages Crossing and at Mt Crosby Weir with major flood levels exceeded overnight.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected tonight with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Predicted River Heights/Flows:
Ipswich: Reach at least 22 metres (major) during Wednesday; further rises.

ICC.005.3541

Moggill: Reach at least 22 metres (moderate) during Wednesday; further rises.

Jindalee: Reach at least 14.2 metres (moderate) late Wednesday; further rises.

Brisbane City: Reach about 3 metres (moderate) around 3am Wednesday.
Reach 4.5 metres (major) at 3pm Wednesday.
Exceed 1974 flood level (5.45 metres) on Thursday.

Next Issue:
The next warning will be issued at about 7pm Tuesday.

Latest River Heights:

Tenthill Ck at Tenthill *	5.58m rising	02:30 PM TUE 11/01/11
Laidley Ck at Laidley	8.85m steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	9.26m rising	03:10 PM TUE 11/01/11
Laidley Ck at Warrego Hwy *	7.37m steady	02:00 PM TUE 11/01/11
Lockyer Ck at Glenore Grove #	15.24m rising	03:04 PM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *	16.65m rising	02:20 PM TUE 11/01/11
Brisbane R at Savages Crossing *	20.48m rising	02:40 PM TUE 11/01/11
Brisbane R at Mt Crosby #	20.10m rising	03:20 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.41m rising	03:21 PM TUE 11/01/11
Bremer R at Rosewood #	7.48m rising	03:08 PM TUE 11/01/11
Bremer R at Walloon DERM *	9.85m rising	02:40 PM TUE 11/01/11
Warrill Ck at Amberley DNR *	8.09m rising	02:40 PM TUE 11/01/11
Bremer R at Ipswich #	12.05m rising	03:18 PM TUE 11/01/11
Brisbane R at Moggill #	10.22m rising	03:14 PM TUE 11/01/11
Brisbane R at Jindalee Br #	6.7m rising	03:11 PM TUE 11/01/11
Brisbane R at City Gauge #	1.9m rising	01:01 PM TUE 11/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3542

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 5:00 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

Transmitters in areas of the Southeast Coast district and the Darling Downs and Granite Belt district southeast of Dalby to Goondiwindi are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

TOP PRIORITY FOR IMMEDIATE BROADCAST
SEVERE WEATHER WARNING
for heavy rainfall leading to flash flooding and worsening the existing river flood situation For people in the Southeast Coast District and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi.

Issued at 5:00 pm on Tuesday 11 January 2011

Synoptic Situation: At 4 pm AEST, southeast Queensland was under the influence of a deep moist easterly airstream, with an upper trough located over the Darling Downs.

Heavy rain areas and local thunderstorms are expected to continue tonight through the Southeast Coast and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi. Heavy falls will lead to further localised flash flooding and will worsen existing river flooding.

The heavy rain areas are expected to gradually weaken overnight and during Wednesday morning.

Flood warnings are current for various rivers and streams in these districts.
Please refer to these products [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · take care on the roads, especially in heavy downpours · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

The next warning is due to be issued by 11 pm AEST Tuesday.

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 8:06 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 8:05 PM on Tuesday the 11th of January 2011 by the Bureau of Meteorology, Brisbane.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected with the overnight high tide. Higher flood levels to about 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next
36 hours.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge and are continuing to increase near record levels.

LOCKYER CREEK:
Very heavy rainfall is continuing in the Lockyer Creek catchment and further very fast rises are being observed. Major flooding will continue this evening throughout the catchment. Flood levels at Glenore Grove were at 15.2 metres at 3pm, which is 0.3 metres above the 1974 flood level.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge and are continuing to increase near record levels.

BREMER RIVER:
The Bremer River at Walloon has exceeded the major flood level. The Bremer River at Rosewood has peaked at 7.5 metres around 5pm Tuesday.

The Bremer River at Ipswich is expected to reach around 21.5 metres during Wednesday.

WARRILL CREEK
Further rises are likely today as rainfall continues with major flooding from Kalbar to Amberley continuing. Levels at Amberley are expected to reach at least 8.0 metres overnight.

MIDDLE AND LOWER BRISBANE:
Moderate flooding will continue to rise at Savages Crossing and at Mt Crosby Weir with major flood levels exceeded overnight.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected tonight with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

ICC.005.3539

Predicted River Heights/Flows:
Ipswich: Reach about 21.5 metres (major) during Wednesday; further rises possible.

Moggill: Reach about 21 metres (moderate) during Wednesday; further rises possible.

Jindalee: Reach about 14.2 metres (moderate) late Wednesday; further rises possible.

Brisbane City: Reach about 3 metres (moderate) around 3am Wednesday.
Reach about 4.5 metres (major) at 3pm Wednesday.
Exceed 1974 flood level (5.45 metres) on Thursday.

Next Issue:
The next warning will be issued at about midnight Tuesday.

Latest River Heights:

Tenthill Ck at Tenthill *	5.05m	falling	06:20 PM TUE 11/01/11
Laidley Ck at Mulgowie *	1.9m	steady	08:50 AM TUE 11/01/11
Laidley Ck at Laidley	8.85m	steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	9.24m	falling	07:31 PM TUE 11/01/11
Laidley Ck at Warrego Hwy *	7.37m	steady	06:00 PM TUE 11/01/11
Lockyer Ck at Glenore Grove #	15.26m	rising	07:31 PM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *	16.66m	rising	05:30 PM TUE 11/01/11
Brisbane R at Savages Crossing *	21.67m	rising	05:40 PM TUE 11/01/11
Brisbane R at Kholo Br #	12.77m	rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m	rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	7.24m	falling	07:29 PM TUE 11/01/11
Bremer R at Walloon DERM *	11.27m	rising	06:00 PM TUE 11/01/11
Warrill Ck at Amberley DNR *	8.69m	rising	05:40 PM TUE 11/01/11
Bremer R at Ipswich #	14.85m	falling	07:33 PM TUE 11/01/11
Brisbane R at Moggill #	12.17m	rising	07:32 PM TUE 11/01/11
Brisbane R at Jindalee Br #	7.95m	rising	07:23 PM TUE 11/01/11
Brisbane R at City Gauge #	1.75m	falling	06:57 PM TUE 11/01/11

*,# denotes an automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3540

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 11 January 2011 10:00 PM
To: [redacted]
Subject: BOM: Severe Weather Warning 1 [SEC=UNCLASSIFIED]

IDQ20032
Australian Government Bureau of Meteorology Queensland

Note: The Standard Emergency Warning Signal is no longer required.

TOP PRIORITY FOR IMMEDIATE BROADCAST
CANCELLATION - SEVERE WEATHER WARNING

For people in the Southeast Coast District and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi.

Issued at 10:00 pm on Tuesday 11 January 2011

Synoptic Situation: At 10 pm AEST, southeast Queensland was under the influence of a deep moist east to northeast airstream. A weakening upper trough was moving south.

Heavy rain areas have eased during the past few hours and further flash flooding due to rainfall is no longer expected.

Note that an extremely serious river and stream flood situation still exists.
Refer to flood warnings [www.bom.gov.au/qld] for further information.

The State Emergency Service advises that people in the affected area should:
· avoid driving, walking or riding through flood waters · avoid swimming in swollen rivers and creeks

Contact the SES on 132 500 for emergency assistance if required.

No further warnings are expected to be issued for this event

This warning is also available through TV and Radio broadcasts; the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and State Emergency Service would appreciate this warning being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 12 January 2011 12:19 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 12:19 AM on Wednesday the 12th of January 2011 by the Bureau of Meteorology, Brisbane.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected with the overnight high tide. Higher flood levels to about 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next
36 hours.

LOCKYER CREEK:
Major flooding will continue tonight in the Lockyer Creek catchment. Flood levels at Glenore Grove peaked at 15.2 metres at 3pm, which is 0.3 metres above the 1974 flood level.

The Lockyer Creek at Lyons Bridge peaked at 17.25 metres around 6pm Tuesday.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. Levels at Amberley are expected to reach at least 8.0 metres overnight.

BREMER RIVER:
The Bremer River at Walloon has exceeded the major flood level. The Bremer River at Rosewood has peaked at 7.5 metres around 5pm Tuesday.

The Bremer River at Ipswich is expected to reach around 21.5 metres during Wednesday causing major flooding. This level is 0.8 metres higher than the 1974 flood peak at Ipswich.

MIDDLE AND LOWER BRISBANE:
Major flood levels have been exceeded at Savages Crossing and Mount Crosby Weir, with further rises expected overnight.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected tonight with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Predicted River Heights/Flows:
Ipswich: Reach about 21.5 metres (major) during Wednesday; further rises possible.

Moggill: Reach about 21 metres (moderate) during Wednesday; further rises possible.

Jindalee: Reach about 14.2 metres (moderate) late Wednesday; further rises possible.

Brisbane City: Reach about 3 metres (moderate) around 3am Wednesday.
Reach about 4.5 metres (major) at 3pm Wednesday.
Exceed 1974 flood level (5.45 metres) on Thursday.

Next Issue:
The next warning will be issued at about 4am Wednesday.

Latest River Heights:

Tenthill Ck at Tenthill *	4.71m falling	09:20 PM TUE 11/01/11
Laidley Ck at Mulgowie *	1.9m steady	08:50 AM TUE 11/01/11
Laidley Ck at Laidley	8.85m steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	9.24m rising	11:28 PM TUE 11/01/11
Laidley Ck at Warrego Hwy *	7.37m steady	09:00 PM TUE 11/01/11
Lockyer Ck at Glenore Grove #	14.88m falling	11:38 PM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *	16.64m steady	08:00 PM TUE 11/01/11
Brisbane R at Savages Crossing *	22.97m rising	08:40 PM TUE 11/01/11
Brisbane R at Kholo Br #	12.77m rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	6.76m falling	11:35 PM TUE 11/01/11
Bremer R at Walloon DERM *	11.07m falling	09:00 PM TUE 11/01/11
Warrill Ck at Amberley DNR *	9m rising	08:40 PM TUE 11/01/11
Bremer R at Ipswich #	16.55m rising	11:36 PM TUE 11/01/11
Brisbane R at Moggill #	13.87m rising	11:32 PM TUE 11/01/11
Brisbane R at Jindalee Br #	9.2m rising	11:35 PM TUE 11/01/11
Brisbane R at City Gauge #	2.26m rising	11:33 PM TUE 11/01/11

*,# automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3538

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 12 January 2011 4:03 AM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 4:02 AM on Wednesday the 12th of January 2011 by the Bureau of Meteorology, Brisbane.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street) rises are expected during Wednesday. River levels around 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next 36 hours.

LOCKYER CREEK:
Major flooding will continue tonight in the Lockyer Creek catchment. Flood levels at Glenore Grove peaked at 15.2 metres at 3pm, which is 0.3 metres above the 1974 flood level.

The Lockyer Creek at Lyons Bridge peaked at 17.25 metres around 6pm Tuesday.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. Levels at Amberley are expected to reach at least 8.0 metres overnight.

BREMER RIVER:
The Bremer River at Walloon has exceeded the major flood level. The Bremer River at Rosewood has peaked at 7.5 metres around 5pm Tuesday.

The Bremer River at Ipswich is expected to reach around 21.5 metres during Wednesday causing major flooding. This level is 0.8 metres higher than the 1974 flood peak at Ipswich.

MIDDLE AND LOWER BRISBANE:
Major flooding is occuring along the Brisbane River from downstream of Wivenhoe dam to Jindalee, with further rises expected downstream of Savages Crossing during Wednesday.

Major flood levels have been exceeded at Savages Crossing, with a peak recorded early Wednesday morning.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres were recorded with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Predicted River Heights/Flows:
Ipswich: Reach about 21.5 metres (major) during Wednesday; further rises possible.

Moggill: Reach about 21 metres (moderate) during Wednesday; further rises possible.

Jindalee: Reach about 14.2 metres (moderate) late Wednesday; further rises possible.

Brisbane City: Reach about 3 metres (moderate) around 3am Wednesday.
Reach about 4.5 metres (major) at 3pm Wednesday.
Exceed 1974 flood level (5.45 metres) on Thursday.

Next Issue:
The next warning will be issued at about 8am Wednesday.

Latest River Heights:

Tenthill Ck at Tenthill *	3.03m steady	02:40 AM WED 12/01/11
Laidley Ck at Mulgowie *	1.9m steady	08:50 AM TUE 11/01/11
Laidley Ck at Laidley	8.85m steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	8.9m falling	03:25 AM WED 12/01/11
Laidley Ck at Warrego Hwy *	7.2m falling	02:00 AM WED 12/01/11
Lockyer Ck at Glenore Grove #	14.06m falling	03:26 AM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.59m falling	02:10 AM WED 12/01/11
Brisbane R at Savages Crossing *	24.13m rising	02:40 AM WED 12/01/11
Brisbane R at Kholo Br #	12.77m rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	6.28m falling	03:23 AM WED 12/01/11
Bremer R at Walloon DERM *	10.27m falling	02:00 AM WED 12/01/11
Warrill Ck at Amberley DNR *	9.13m steady	02:20 AM WED 12/01/11
Bremer R at Ipswich #	18.2m rising	03:19 AM WED 12/01/11
Brisbane R at Moggill #	15.37m rising	03:20 AM WED 12/01/11
Brisbane R at Jindalee Br #	10.35m rising	03:17 AM WED 12/01/11
Brisbane R at City Gauge #	3.01m rising	03:24 AM WED 12/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3536

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 12 January 2011 7:21 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:21 AM on Wednesday the 12th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CABOOLTURE RIVER AND SUNSHINE COAST STREAMS FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER BASIN FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY FLOOD WARNING FOR THE LOGAN AND ALBERT RIVERS FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing on Magnificent Creek at Kowanyama. Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 12 January 2011 7:34 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 7:33 AM on Wednesday the 12th of January 2011 by the Bureau of Meteorology, Brisbane.

At at 7:30am Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 3.1 metres and rising. Rises will continue during Wednesday and overnight.

At the Brisbane City gauge, river levels of about 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next 24 hours.

LOCKYER CREEK:
Major flooding will continue this morning in the Lockyer Creek catchment with levels expected to start falling significantly today. Flood levels at Glenore Grove peaked at 15.2 metres at 3pm Tuesday, which is 0.3 metres above the 1974 flood level.

The Lockyer Creek at Lyons Bridge peaked at 17.25 metres around 6pm Tuesday.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. A flood peak to just over 8 metres is occurring at Amberley this morning.

BREMER RIVER
Major flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich is expected to peak about 20.5 metres during Wednesday afternoon with major flooding. This is similar to the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding is rising from the Savages Crossing area to Jindalee along the Brisbane River.

At Savages Crossing, a major flood peak of 24.2 metres has been recorded early Wednesday morning, slightly above the 1974 peak level at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres were recorded with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout

Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Predicted River Heights/Flows:
Ipswich: Peak about 20.5 metres (major) during Wednesday afternoon.

Moggill: Peak about 20 metres (moderate) during Wednesday afternoon.

Jindalee: Peak about 14.2 metres (moderate) by midnight.

Brisbane City: Reach about 4.5 metres (major) at 3pm Wednesday.
Peak about 5.5 metres (major) during Thursday.

Next Issue:
The next warning will be issued at about noon Wednesday.

Latest River Heights:

Laidley Ck at Laidley	8.85m steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	7.26m falling	06:01 AM WED 12/01/11
Laidley Ck at Warrego Hwy *	6.86m falling	05:00 AM WED 12/01/11
Lockyer Ck at Glenore Grove #	13.42m falling	06:01 AM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.55m falling	05:40 AM WED 12/01/11
Brisbane R at Savages Crossing *	23.85m falling	05:40 AM WED 12/01/11
Brisbane R at Kholo Br #	12.77m rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	5.9m falling	06:02 AM WED 12/01/11
Bremer R at Walloon DERM *	9.58m falling	05:40 AM WED 12/01/11
Warrill Ck at Amberley DNR *	9.2m rising	05:20 AM WED 12/01/11
Bremer R at Ipswich #	18.6m rising	05:53 AM WED 12/01/11
Brisbane R at Moggill #	16.27m rising	05:53 AM WED 12/01/11
Brisbane R at Jindalee Br #	11.1m rising	06:02 AM WED 12/01/11
Brisbane R at City Gauge #	3.10m rising	07:30 AM WED 12/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Wednesday, 12 January 2011 7:57 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 7:56 AM on Wednesday the 12th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: At 7:30 am Wednesday, flood levels at Ipswich are at 19 metres and rising. A peak is expected this afternoon of about 20.5 metres. This is similar to the 1974 flood level.

BRISBANE: At 7:30am Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 3.1 metres and rising. Rises will continue during Wednesday and overnight.

At the Brisbane City gauge, river levels of about 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next 24 hours.

LOCKYER CREEK:
Major flooding will continue this morning in the Lockyer Creek catchment with levels expected to start falling significantly today. Flood levels at Glenore Grove peaked at 15.2 metres at 3pm Tuesday, which is 0.3 metres above the 1974 flood level.

The Lockyer Creek at Lyons Bridge peaked at 17.25 metres around 6pm Tuesday.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. A flood peak to just over 8 metres is occurring at Amberley this morning.

BREMER RIVER
Major flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich is expected to peak about 20.5 metres during Wednesday afternoon with major flooding. This is similar to the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding is rising from the Savages Crossing area to Jindalee along the Brisbane River.

At Savages Crossing, a major flood peak of 24.2 metres has been recorded early Wednesday morning, slightly above the 1974 peak level at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street),

moderate flood levels of about 3 metres were recorded with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Predicted River Heights/Flows:
Ipswich: Peak about 20.5 metres (major) during Wednesday afternoon.

Moggill: Peak about 20 metres (moderate) during Wednesday afternoon.

Jindalee: Peak about 14.2 metres (moderate) by midnight.

Brisbane City: Reach about 4.5 metres (major) at 3pm Wednesday.
Peak about 5.5 metres (major) during Thursday.

Next Issue:
The next warning will be issued at about noon Wednesday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.67m falling	06:00 AM WED 12/01/11
Laidley Ck at Mulgowie *	1.9m steady	08:50 AM TUE 11/01/11
Laidley Ck at Laidley	8.85m steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	6.56m falling	07:37 AM WED 12/01/11
Laidley Ck at Warrego Hwy *	6.75m falling	06:00 AM WED 12/01/11
Lockyer Ck at Glenore Grove #	13.04m falling	07:39 AM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.55m falling	05:40 AM WED 12/01/11
Brisbane R at Savages Crossing *	23.85m falling	05:40 AM WED 12/01/11
Brisbane R at Kholo Br #	12.77m rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	5.64m falling	07:38 AM WED 12/01/11
Bremer R at Walloon DERM *	9.53m falling	06:00 AM WED 12/01/11
Warrill Ck at Amberley DNR *	9.2m rising	05:20 AM WED 12/01/11
Bremer R at Ipswich #	18.85m rising	07:29 AM WED 12/01/11
Brisbane R at Moggill #	16.72m rising	07:38 AM WED 12/01/11
Brisbane R at Jindalee Br #	11.5m rising	07:41 AM WED 12/01/11
Brisbane R at City Gauge #	3.15m rising	07:39 AM WED 12/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3532

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Wednesday, 12 January 2011 11:57 AM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 11:56 AM on Wednesday the 12th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: At 11:30 am Wednesday, flood levels at Ipswich are at 19.3 metres and rising. A peak is expected this afternoon of about 20.5 metres. This is similar to the 1974 flood level.

BRISBANE: At 11:45am Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 3.75 metres and rising. Rises will continue during Wednesday afternoon and overnight.

At the Brisbane City gauge, river levels of about 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next 24 hours.

LOCKYER CREEK:
Major flooding will continue this morning in the Lockyer Creek catchment with levels expected to start falling significantly today.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. A flood peak to just over 8 metres is occurring at Amberley today.

BREMER RIVER
Major flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich is expected to peak about 20.5 metres during Wednesday afternoon with major flooding. This is similar to the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding is rising from the Savages Crossing area to Jindalee along the Brisbane River.

At Savages Crossing, a major flood peak of 24.2 metres has been recorded early Wednesday morning, slightly above the 1974 peak level at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres were recorded with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with a peak of about 5.5

metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Predicted River Heights/Flows:
Ipswich: Peak about 20.5 metres (major) during Wednesday afternoon.

Moggill: Peak about 20 metres (moderate) during Wednesday afternoon.

Jindalee: Peak about 14.2 metres (moderate) by midnight.

Brisbane City: Reach about 4.5 metres (major) at 3pm Wednesday.
Peak about 5.5 metres (major) during Thursday.
Fall below major flood level during Friday.

Next Issue:
The next warning will be issued at about 4pm Wednesday.

Latest River Heights:

Laidley Ck at Laidley	5.1m steady	08:45 AM WED 12/01/11
Laidley Ck at Showground Weir #	5.92m falling	11:34 AM WED 12/01/11
Laidley Ck at Warrego Hwy *	6.19m falling	10:00 AM WED 12/01/11
Lockyer Ck at Glenore Grove #	12.02m falling	11:36 AM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.5m falling	08:20 AM WED 12/01/11
Brisbane R at Savages Crossing *	23.25m falling	08:20 AM WED 12/01/11
Brisbane R at Kholo Br #	12.77m rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	5.08m falling	11:32 AM WED 12/01/11
Bremer R at Walloon DERM *	8.55m falling	10:30 AM WED 12/01/11
Warrill Ck at Amberley DNR *	9.25m steady	08:00 AM WED 12/01/11
Bremer R at Ipswich #	19.3m rising	11:27 AM WED 12/01/11
Brisbane R at Moggill #	17.42m rising	11:20 AM WED 12/01/11
Brisbane R at Jindalee Br #	12.25m rising	11:35 AM WED 12/01/11
Brisbane R at City Gauge #	3.7m rising	11:15 AM WED 12/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3530

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 12 January 2011 4:30 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 4:29 PM on Wednesday the 12th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: At 4pm Wednesday, flood levels at Ipswich are at 19.4 metres and steady. Based on upstream peak levels, it is likely to peak at around current levels which will be maintained into this evening.

BRISBANE: At 4pm Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 4.3 metres and rising. Rises will continue during Wednesday afternoon and overnight.

At the Brisbane City gauge, river rises will continue this evening with a peak of about 5.2 metres expected with the high tide at 4am. Levels will remain high throughout Thursday.

This is below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly overnight.

LOCKYER CREEK:
Minor to major flooding will continue this afternoon in the Lockyer Creek catchment with levels expected to start falling significantly today.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. A flood peak just over 8 metres occurred at Amberley today.

BREMER RIVER
Moderate to minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich is currently at 19.4 metres, and is expected to peak up to 19.5 metres during Wednesday evening with major flooding. This is around 1.2 metres below the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding is rising from the Moggill area to Brisbane City along the Brisbane River.

At Mount Crosby Weir, a major flood peak of 26.2 metres was recorded on Wednesday morning, slightly below the 1974 peak level at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), flood levels reached 4.2 metres on the 3pm high tide with major flooding. River rises will continue this evening with a peak of about 5.2 metres expected with the high tide at 4am Thursday. This is slightly below to the 1974 flood peak of 5.45 metres. Levels will remain high throughout Thursday.

Predicted River Heights/Flows:
Ipswich: Peak around 19.5 metres (major) during Wednesday evening.

Moggill: Peak around 18.5 metres (major) during Wednesday afternoon.

Jindalee: Peak about 13 metres (major) by midnight.

Brisbane City: Peak about 5.2 metres (major) with the high tide at 4am Thursday.
Fall below major flood level during Friday.

Next Issue:
The next warning will be issued at about 8pm Wednesday.

Latest River Heights:

Laidley Ck at Showground Weir #	5.66m falling	03:10 PM WED	12/01/11
Laidley Ck at Warrego Hwy *	5.56m falling	02:00 PM WED	12/01/11
Lockyer Ck at Glenore Grove #	10.72m falling	03:11 PM WED	12/01/11
Lockyer Ck at Rifle Range Rd *	16.29m rising	02:40 PM WED	12/01/11
Brisbane R at Savages Crossing *	20.62m falling	02:50 PM WED	12/01/11
Brisbane R at Colleges Crossing #	15.81m falling	04:05 PM TUE	11/01/11
Bremer R at Rosewood #	4.7m falling	03:08 PM WED	12/01/11
Bremer R at Walloon DERM *	7.38m falling	02:40 PM WED	12/01/11
Warrill Ck at Amberley DNR *	9.1m falling	02:40 PM WED	12/01/11
Bremer R at Ipswich #	19.4m rising	04:00 PM WED	12/01/11
Brisbane R at Moggill #	17.67m rising	03:11 PM WED	12/01/11
Brisbane R at Jindalee Br #	12.7m rising	03:11 PM WED	12/01/11
Brisbane R at City Gauge #	4.3m rising	04:00 PM WED	12/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.352

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 12 January 2011 8:12 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 8:11 PM on Wednesday the 12th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich peaked at 19.4 metres during Wednesday, and are beginning to fall. River levels are expected to continue falling into Thursday.

BRISBANE: At 8pm Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 4.2 metres..

At the Brisbane City gauge, river rises will continue this evening with a peak of about 5.2 metres expected with the high tide at 4am. Levels will remain high throughout Thursday.

This is below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing tonight.

WARRILL CREEK:
Moderate to major flooding continues from Kalbar to Amberley, with flood levels now falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich peaked at 19.4 metres Wednesday afternoon, and is continuing to fall. This peak was around 1.3 metres below the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding is rising from the Moggill area to Brisbane City along the Brisbane River.

At Mount Crosby Weir, a major flood peak of 26.2 metres was recorded on Wednesday morning, slightly below the 1974 peak level at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. This was about 2 metres below the 1974 peak at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), flood levels reached 4.2 metres on the 3pm high tide with major flooding. River rises will continue this evening with a peak of about 5.2 metres expected with the high tide at 4am Thursday. This is slightly below to the 1974 flood peak of 5.45 metres. Levels will remain high throughout Thursday.

Predicted River Heights/Flows:

ICC.005.3525

Jindalee: Peak about 13 metres (major) by midnight.

Brisbane City: Peak about 5.2 metres (major) with the high tide at 4am Thursday.
Fall below major flood level during Friday.

Next Issue:
The next warning will be issued at about midnight Wednesday.

Latest River Heights:

Laidley Ck at Showground Weir #	5.46m falling	07:37 PM WED 12/01/11
Laidley Ck at Warrego Hwy *	5.2m falling	05:00 PM WED 12/01/11
Lockyer Ck at Glenore Grove #	9.38m falling	07:37 PM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.15m falling	05:40 PM WED 12/01/11
Brisbane R at Savages Crossing *	19.52m falling	05:40 PM WED 12/01/11
Bremer R at Rosewood #	4.32m falling	07:26 PM WED 12/01/11
Bremer R at Walloon DERM *	6.52m falling	05:40 PM WED 12/01/11
Warrill Ck at Amberley DNR *	8.84m falling	05:40 PM WED 12/01/11
Bremer R at Ipswich #	19.05m falling	08:00 PM WED 12/01/11
Brisbane R at Moggill #	17.52m falling	07:20 PM WED 12/01/11
Brisbane R at Jindalee Br #	12.9m rising	07:35 PM WED 12/01/11
Brisbane R at City Gauge #	4.2m steady	08:00 PM WED 12/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3526



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 14 January 2011 6:22 AM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:21 AM on Friday the 14th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE FITZROY RIVER FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Logan-Albert Rivers: Some minor flooding easing in the Logan River between Rathdowney and South Maclean. Minor flooding also easing in Slacks Creek at Loganlea Road.

Upper Brisbane River: Minor flooding easing slowly in the upper Brisbane River above Wivenhoe Dam at Devon Hills and in Cressbrook Creek.

Sunshine Coast: Minor flooding easing in the Mooloolah River at Jordan St, and in Paynter Creek at Diddillibah. Minor flooding easing slowly in the Noosa River at Lake Cooroibah.

Baffle Creek: Minor flooding at Mimdale is likely to result in creek levels near to the level of Essendean Bridge during Friday.

Burdekin River: Minor flooding easing very slowly in the Suttor River at St Anns.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Gulf Rivers: Minor flooding generally remains steady along the Norman River between Yappar River and Normanton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3634

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 14 January 2011 7:10 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 7:10 AM on Friday the 14th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: At 7am Friday, flood levels at Ipswich were 10.4 metres and falling. The rate of fall will continue more slowly during Friday and through the weekend.

BRISBANE: At 6am Thursday the Brisbane City gauge was 2.7 metres and falling and will continue to fall during Friday. The rate of fall is expected to decrease overnight and levels will fall more slowly over the weekend.

WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the Bremer River continue to fall. At 7am Friday, flood levels at Ipswich were 10.4 metres. The rate of fall will continue more slowly during Friday and through the weekend.

MIDDLE AND LOWER BRISBANE:
Moderate to minor flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At 6am Thursday the Brisbane City gauge was 2.7 metres and falling, and will continue to fall during Friday. The rate of fall is likely to decrease overnight and levels will fall more slowly over the weekend.

Predicted River Heights/Flows:
Ipswich: Fall to about 10.5 metres by 5pm Friday, falling slowly through the weekend.

Jindalee: Fall to about 6 metres today, falling slowly through the weekend.

Brisbane City: Fall below the moderate flood level (2.6 metres) by 5pm Friday with the high tide, falling slowly through the weekend.

Next Issue:
The next warning will be issued at about 1pm Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.3m steady	05:00 AM FRI 14/01/11
Laidley Ck at Showground Weir #	5.08m steady	05:52 AM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.43m steady	05:00 AM FRI 14/01/11
Lockyer Ck at Glenore Grove #	6.5m falling	05:53 AM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *	9.97m falling	05:40 AM FRI 14/01/11
Brisbane R at Savages Crossing *	14.77m falling	05:40 AM FRI 14/01/11
Bremer R at Rosewood #	3.06m falling	05:32 AM FRI 14/01/11
Bremer R at Walloon DERM *	3.61m falling	05:00 AM FRI 14/01/11

Warrill Ck at Amberley DNR *	5.97m falling	05:40 AM FRI 14/01/11
Bremer R at Ipswich #	10.55m falling	05:57 AM FRI 14/01/11
Brisbane R at Moggill #	9.72m falling	05:59 AM FRI 14/01/11
Brisbane R at Jindalee Br #	7.25m falling	05:38 AM FRI 14/01/11
Brisbane R at City Gauge #	2.7m falling	06:00 AM FRI 14/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 14 January 2011 8:36 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

Correction to Previous Issue

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 8:36 AM on Friday the 14th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: At 8am Friday, flood levels at Ipswich were 10.25 metres and falling. The rate of fall will continue more slowly during Friday and through the weekend.

BRISBANE: At 8am Thursday the Brisbane City gauge was 2.4 metres and falling and will continue to fall during Friday. The rate of fall is expected to decrease overnight and levels will fall more slowly over the weekend.

WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the Bremer River continue to fall. At 8am Friday, flood levels at Ipswich were 10.25 metres. The rate of fall will continue more slowly during Friday and through the weekend.

MIDDLE AND LOWER BRISBANE:
Moderate to minor flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At 8am Friday the Brisbane City gauge was 2.4 metres and falling, and will continue to fall during Friday. The rate of fall is likely to decrease overnight and levels will fall more slowly over the weekend.

Predicted River Heights/Flows:

Ipswich:	Fall to about 10.5 metres by 5pm Friday, falling slowly through the weekend.
Jindalee:	Fall to about 6 metres today, falling slowly through the weekend.
Brisbane City:	Continue to fall during today and during the weekend. Some rises with the high tide at about 5pm Friday.

Next Issue:
The next warning will be issued at about 1pm Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.28m falling	07:00 AM FRI 14/01/11
Laidley Ck at Showground Weir #	5.08m steady	05:52 AM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.42m steady	07:00 AM FRI 14/01/11
Lockyer Ck at Glenore Grove #	6.42m falling	08:02 AM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *	9.74m falling	08:20 AM FRI 14/01/11
Brisbane R at Savages Crossing *	14.77m falling	05:40 AM FRI 14/01/11
Bremer R at Rosewood #	3m falling	07:44 AM FRI 14/01/11

ICC.005.3509

Bremer R at Walloon DERM *	3.55m falling	07:00 AM FRI 14/01/11
Warrill Ck at Amberley DNR *	5.89m falling	08:10 AM FRI 14/01/11
Bremer R at Ipswich #	10.2m steady	08:27 AM FRI 14/01/11
Brisbane R at Moggill #	9.37m falling	08:17 AM FRI 14/01/11
Brisbane R at Jindalee Br #	6.95m falling	08:23 AM FRI 14/01/11
Brisbane R at City Gauge #	2.4m falling	08:09 AM FRI 14/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3510

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 14 January 2011 1:24 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 1:23 PM on Friday the 14th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: At 12 noon Friday, flood levels at Ipswich were 9.75 metres and falling. The rate of fall will continue more slowly during Friday and through the weekend.

BRISBANE: At 12 noon Friday the Brisbane City gauge was 1.91 metres and falling. Minor flood levels at the Brisbane City gauge will continue to fall, although there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the lower Bremer River continue to fall. At 12 noon Friday, flood levels at Ipswich were 9.75 metres. The rate of fall will continue more slowly during Friday and through the weekend.

MIDDLE AND LOWER BRISBANE:
Moderate to minor flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At 12 noon Friday the Brisbane City gauge was 1.91 metres and falling. Minor flood levels at the Brisbane City gauge will continue to fall, although there will be fluctuations with the high and low tides.

Predicted River Heights/Flows:

Ipswich:	Fall to about 9.5 metres by 5pm Friday, and continue falling slowly through the weekend.
Jindalee:	Fall to about 6 metres today, and continue falling slowly through the weekend.
Brisbane City:	Rises with the afternoon tide reaching about 2.1 metres by 5 pm Friday. Rises with the morning high tide reaching about 2.3 metres by 6am Saturday.

Next Issue:
The next warning will be issued at about 5pm Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.23m	falling	11:00 AM FRI 14/01/11
Laidley Ck at Showground Weir #	5.08m	steady	11:52 AM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	11:00 AM FRI 14/01/11
Lockyer Ck at Glenore Grove #	6.32m	steady	12:20 PM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *	9.52m	falling	11:40 AM FRI 14/01/11
Brisbane R at Savages Crossing *	14.83m	falling	11:40 AM FRI 14/01/11
Bremer R at Rosewood #	2.9m	falling	12:02 PM FRI 14/01/11

Bremer R at Walloon DERM *	3.43m falling	11:00 AM FRI 14/01/11
Warrill Ck at Amberley DNR *	5.77m falling	11:30 AM FRI 14/01/11
Bremer R at Ipswich #	9.7m falling	12:25 PM FRI 14/01/11
Brisbane R at Moggill #	8.92m falling	12:23 PM FRI 14/01/11
Brisbane R at Jindalee Br #	6.4m falling	12:26 PM FRI 14/01/11
Brisbane R at City Gauge #	1.9m falling	12:12 PM FRI 14/01/11

*# denotes automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 14 January 2011 5:05 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 5:04 PM on Friday the 14th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: At 3:45pm Friday, flood levels at Ipswich were 9.4 metres and falling. The rate of fall will continue more slowly during Friday evening and during the weekend.

BRISBANE: At 4pm Friday the Brisbane City gauge was 2.0 metres and falling. Minor flood levels at the Brisbane City gauge will continue to fall, although there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the lower Bremer River continue to fall. The rate of fall will continue more slowly during Friday evening and during the weekend.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 4pm Friday the Brisbane City gauge was 2.0 metres and falling. Minor flood levels at the Brisbane City gauge will continue to fall, although there will be fluctuations with the high and low tides.

Predicted River Heights/Flows:
Ipswich: Fall below the moderate flood level [9.0] early in the weekend.

Brisbane City: Rises with the Saturday morning high tide reaching about 2.3 metres by 6am Saturday.

Next Issue:
The next warning will be issued at about 8pm Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.19m	falling	03:00 PM FRI 14/01/11
Laidley Ck at Showground Weir #	5.04m	falling	04:31 PM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	03:00 PM FRI 14/01/11
Lockyer Ck at Glenore Grove #	6.16m	falling	04:38 PM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *	9.35m	falling	02:40 PM FRI 14/01/11
Brisbane R at Savages Crossing *	14.79m	falling	02:40 PM FRI 14/01/11
Bremer R at Rosewood #	2.82m	falling	04:02 PM FRI 14/01/11
Bremer R at Walloon DERM *	3.31m	falling	03:00 PM FRI 14/01/11
Warrill Ck at Amberley DNR *	5.63m	steady	03:00 PM FRI 14/01/11
Bremer R at Ipswich #	9.35m	falling	04:17 PM FRI 14/01/11
Brisbane R at Moggill #	8.62m	falling	04:23 PM FRI 14/01/11
Brisbane R at Jindalee Br #	6.1m	steady	04:07 PM FRI 14/01/11

Brisbane R at City Gauge # 2.01m steady 04:01 PM FRI 14/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3506

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 14 January 2011 7:25 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 7:25 PM on Friday the 14th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: At 6:40pm Friday, flood levels at Ipswich were 9.15 metres and falling. The rate of fall will continue more slowly Friday evening and during the weekend.

BRISBANE: At 7pm Friday the Brisbane City gauge was 1.91 metres and falling. Minor flood levels at the Brisbane City gauge will continue to fall, although there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the lower Bremer River continue to fall. The rate of fall will continue more slowly during Friday evening and during the weekend.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 7pm Friday the Brisbane City gauge was 1.91 metres and falling, after reaching 2.0 metres with the afternoon high tide. Minor flood levels at the Brisbane City gauge will continue to fall, although there will be fluctuations with the high and low tides.

Predicted River Heights/Flows:
Ipswich: Fall below the moderate flood level [9.0] early in the weekend.

Brisbane City: Rises with the Saturday morning high tide reaching about 2.3 metres by 6am Saturday.

Next Issue:
The next warning will be issued at about 8am Saturday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.16m falling	06:00 PM FRI 14/01/11
Laidley Ck at Showground Weir #	5.02m falling	06:34 PM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.42m steady	06:00 PM FRI 14/01/11
Lockyer Ck at Glenore Grove #	6.1m steady	07:02 PM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *	9.21m falling	05:30 PM FRI 14/01/11
Brisbane R at Savages Crossing *	14.66m falling	05:40 PM FRI 14/01/11
Bremer R at Rosewood #	2.78m falling	06:26 PM FRI 14/01/11
Bremer R at Walloon DERM *	3.23m falling	06:00 PM FRI 14/01/11
Warrill Ck at Amberley DNR *	5.53m falling	05:30 PM FRI 14/01/11
Bremer R at Ipswich #	9.15m falling	06:41 PM FRI 14/01/11
Brisbane R at Moggill #	8.47m falling	06:59 PM FRI 14/01/11
Brisbane R at Jindalee Br #	5.95m steady	07:07 PM FRI 14/01/11
Brisbane R at City Gauge #	1.9m falling	07:01 PM FRI 14/01/11

*# denotes automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3504

*# denotes automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.350

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 14 January 2011 8:17 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:16 PM on Friday the 14th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE FITZROY RIVER FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Logan-Albert Rivers: Minor flooding is easing in the upper Logan River at Rathdowney.

Upper Brisbane River: Minor flooding easing slowly in the upper Brisbane River above Wivenhoe Dam at Devon Hills and in Cressbrook Creek.

Kolan River: Moderate flood levels are easing at Fred Haigh Dam.

Baffle Creek: Minor flooding is easing at Mimdale.

Burdekin River: Minor flooding easing very slowly in the Suttor River at St Anns.

Barron River: Minor flood levels are easing in the Clohesy River at Bolton Road.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

[redacted] Rivers: Minor flooding generally remains steady along the Norman River between Lappar River and Normanton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3633



Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Saturday, 15 January 2011 8:16 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 8:15 AM on Saturday the 15th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Minor flood levels are continuing to ease slowly in the Bremer River at Ipswich.

BRISBANE: At 7am Saturday the Brisbane City gauge was at 2.06 metres with the morning high tide. Minor flood levels at the Brisbane City gauge will ease gradually over the next few days, although there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease in Warrill Creek at Amberley.

BREMER RIVER:
Minor flood levels in the lower Bremer River continue to fall slowly. At 7:30am Saturday, flood levels at Ipswich were 8.45 metres and falling slowly. Flood levels are expected to fall below the minor flood level overnight Sunday.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 7am Saturday the Brisbane City gauge was at 2.06 metres with the morning high tide. Minor flood levels at the Brisbane City gauge will ease gradually over the next few days, although there will be fluctuations with the high and low tides.
Levels should fall below minor flood level by next Wednesday.

Predicted River Heights/Flows:
Ipswich: Fall below the minor flood level overnight Sunday

Brisbane City: Rises with the Saturday afternoon high tide reaching about 2.0 metres by 6pm Saturday.

Next Issue:
The next warning will be issued at about 2pm Saturday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.07m	steady	06:00	AM SAT	15/01/11
Laidley Ck at Showground Weir #	4.96m	steady	05:52	AM SAT	15/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	06:00	AM SAT	15/01/11
Lockyer Ck at Glenore Grove #	5.78m	steady	07:15	AM SAT	15/01/11
Lockyer Ck at Rifle Range Rd *	8.64m	falling	05:30	AM SAT	15/01/11
Brisbane R at Savages Crossing *	14.57m	rising	05:40	AM SAT	15/01/11
Bremer R at Rosewood #	2.58m	falling	07:35	AM SAT	15/01/11
Bremer R at Walloon DERM *	3.03m	steady	06:00	AM SAT	15/01/11
Warrill Ck at Amberley DNR *	5.12m	falling	05:30	AM SAT	15/01/11
Bremer R at Ipswich #	8.45m	falling	07:26	AM SAT	15/01/11
Brisbane R at Moggill #	7.92m	falling	07:17	AM SAT	15/01/11
Brisbane R at Jindalee Br #	5.45m	steady	07:07	AM SAT	15/01/11
Brisbane R at City Gauge #	2.06m	steady	07:01	AM SAT	15/01/11

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 15 January 2011 11:31 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:30 AM on Saturday the 15th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE FITZROY RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Logan-Albert Rivers: Minor flooding is easing in the upper Logan River at Rathdowney.

Upper Brisbane River: Minor flooding is easing at Devon Hills.

Kolan River: Minor flood levels are easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing very slowly in the Suttor River at St Anns.

Barron River: Minor flood levels are easing in the Clohesy River at Bolton Road.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Gulf Rivers: Minor flooding generally remains steady along the Norman River between Yappar River and Normanton.

Burnett Catchment: Minor to moderate flood levels are easing throughout the Burnett catchment.

Mary River: minor to moderate flood levels continue to fall from Miva to Tiaro.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 15 January 2011 1:39 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 1:38 PM on Saturday the 15th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Minor flood levels are continuing to ease slowly in the Bremer River at Ipswich.

BRISBANE: At 1pm Saturday the Brisbane City gauge was at 1.3 metres and steady. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease in Warrill Creek at Amberley.

BREMER RIVER:
Minor flood levels in the lower Bremer River continue to fall slowly. At 12 noon Saturday, flood levels at Ipswich were 8.45 metres and falling very slowly. Flood levels are expected to fall below the minor flood level overnight Sunday.

MIDDLE AND LOWER BRIBBANS:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 1pm Saturday the Brisbane City gauge was at 1.3 metres and steady with the low tide. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. Levels should fall below minor flood level by next Wednesday.

Predicted River Heights/Flows:
Ipswich: Fall below the minor flood level [7.0 metres] overnight Sunday

Brisbane City: Rises with the Saturday afternoon high tide reaching about 2.0 metres by 6pm Saturday.

Next Issue:
The next warning will be issued at about 7pm Saturday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.02m	falling	12:00 PM SAT 15/01/11
Laidley Ck at Showground Weir #	4.96m	steady	11:52 AM SAT 15/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	12:00 PM SAT 15/01/11
Lockyer Ck at Glenore Grove #	5.64m	steady	01:11 PM SAT 15/01/11
Lockyer Ck at Rifle Range Rd *	8.39m	falling	11:30 AM SAT 15/01/11
Brisbane R at Savages Crossing *	14.51m	falling	11:30 AM SAT 15/01/11
Bremer R at Rosewood #	2.5m	falling	12:02 PM SAT 15/01/11
Bremer R at Walloon DERM *	2.95m	falling	12:00 PM SAT 15/01/11
Warrill Ck at Amberley DNR *	4.92m	falling	11:40 AM SAT 15/01/11
Bremer R at Ipswich #	8.45m	falling	12:00 PM SAT 15/01/11
Brisbane R at Moggill #	7.82m	steady	01:16 PM SAT 15/01/11
Brisbane R at Jindalee Br #	5.25m	steady	01:07 PM SAT 15/01/11

Brisbane R at City Gauge # 1.3m steady 01:01 PM SAT 1: 11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Saturday, 15 January 2011 6:17 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:16 PM on Saturday the 15th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE FITZROY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Logan-Albert Rivers: Minor flooding is easing in the upper Logan River at Rathdowney.

Upper Brisbane River: Minor flooding is easing at Devon Hills.

Kolan River: Minor flood levels are easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing very slowly in the Suttor River at St Anns.

Barron River: Minor flood levels are easing in the Clohesy River at Bolton Road.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Gulf Rivers: Minor flooding generally remains steady along the Norman River between Yappar River and Normanton.

Burnett Catchment: Minor to moderate flood levels are easing throughout the Burnett catchment.

ary River: minor to moderate flood levels continue to fall from Miva to Tiaro.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3631

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Saturday, 15 January 2011 6:36 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE Issued at 6:35 PM on Saturday the 15th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Minor flood levels are continuing to ease slowly in the Bremer River at Ipswich.

BRISBANE: At 3pm Saturday the Brisbane City gauge was at 1.4 metres. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease in Warrill Creek at Amberley.

BREMER RIVER:
Minor flood levels in the lower Bremer River continue to fall slowly. At 3pm Saturday, flood levels at Ipswich were 8.35 metres and falling very slowly.
Flood levels are expected to fall below the minor flood level overnight Sunday.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 3pm Saturday the Brisbane City gauge was at 1.4 metres and steady with the low tide. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. Levels should fall below minor flood level by next Wednesday.

Predicted River Heights/Flows:
Ipswich: Fall below the minor flood level [7.0 metres] overnight Sunday

Brisbane City: Rises with the Sunday morning high tide up to about 2.2 metres.

Next Issue:
The next warning will be issued at about 8am Sunday.

Latest River Heights:

Bremer R at Walloon DERM *	2.9m steady	05:00 PM SAT	15/01/11
Warrill Ck at Amberley DNR *	4.76m falling	05:30 PM SAT	15/01/11
Bremer R at Ipswich #	8.3m steady	05:27 PM SAT	15/01/11
Brisbane R at Moggill #	7.72m rising	06:05 PM SAT	15/01/11
Brisbane R at Jindalee Br #	5.15m falling	04:38 PM SAT	15/01/11
Brisbane R at City Gauge #	1.61m rising	05:18 PM SAT	15/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 13 January 2011 12:28 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 12:27 AM on Thursday the 13th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich peaked at 19.4 metres during Wednesday, and are beginning to fall. River levels are expected to continue falling into Thursday.

BRISBANE: At 10pm Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 4.2 metres following the high tide. Renewed rises with the tide are expected, with a peak under 5 metres expected with the high tide at 4am. Levels will remain high throughout Thursday.

This is below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing into Thursday.

WARRILL CREEK:
Moderate to major flooding continues from Kalbar to Amberley, with flood levels now falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich peaked at 19.4 metres Wednesday afternoon, and is continuing to fall. This peak was around 1.3 metres below the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding continues from the Mount Crosby area to Brisbane City along the Brisbane River.

At Mount Crosby Weir, a major flood peak of 26.2 metres was recorded on Wednesday morning, slightly below the 1974 peak level at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. This was about 2 metres below the 1974 peak at this location.

At Jindalee, a peak of 13 metres was observed at about 7pm Wednesday.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), flood levels reached 4.2 metres on the 3pm high tide with major flooding. River rises will continue with a peak under 5 metres expected with the high tide about 4am Thursday. This is below the 1974 flood peak of 5.45 metres. Levels will remain high throughout Thursday.

Predicted River Heights/Flows:

Brisbane City: Peak under 5 metres (major) with the high tide at 4am Thursday.
Fall below major flood level by Friday.

Next Issue:
The next warning will be issued at about 4am Thursday.

Latest River Heights:

Laidley Ck at Laidley	5.1m steady	08:45 AM WED	12/01/11
Laidley Ck at Showground Weir #	5.36m falling	10:31 PM WED	12/01/11
Laidley Ck at Warrego Hwy *	4.85m falling	10:00 PM WED	12/01/11
Lockyer Ck at Glenore Grove #	8.68m falling	11:28 PM WED	12/01/11
Lockyer Ck at Rifle Range Rd *	15.96m falling	08:40 PM WED	12/01/11
Brisbane R at Savages Crossing *	18.48m falling	08:40 PM WED	12/01/11
Bremer R at Rosewood #	4.1m steady	11:26 PM WED	12/01/11
Bremer R at Walloon DERM *	5.59m falling	10:00 PM WED	12/01/11
Warrill Ck at Amberley DNR *	8.48m falling	08:40 PM WED	12/01/11
Bremer R at Ipswich #	18.55m falling	11:34 PM WED	12/01/11
Brisbane R at Moggill #	17.02m falling	11:29 PM WED	12/01/11
Brisbane R at Jindalee Br #	12.75m falling	11:23 PM WED	12/01/11
Brisbane R at City Gauge #	4.25m rising	11:45 PM WED	12/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3524

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 13 January 2011 3:52 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 3:52 AM on Thursday the 13th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich are falling strongly, and have fallen below 18 metres around 3am Thursday. River levels will continue falling during Thursday, and drop below major flood level later Thursday.

BRISBANE: At 3:30am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 4.45 metres and rising with the high tide. A peak slightly above this level is expected in the next few hours.

This is below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing during Thursday.

WARRILL CREEK:
Moderate to major flooding continues from Kalbar to Amberley, with flood levels now falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich is falling strongly, and has fallen below 18 metres at around 3am Thursday. River levels will continue falling during Thursday.

MIDDLE AND LOWER BRISBANE:
Major flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Mount Crosby Weir, a major flood peak of 26.2 metres was recorded on Wednesday morning, slightly below the 1974 peak level at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. This was about 2 metres below the 1974 peak at this location.

At Jindalee, a peak of 13 metres was observed at about 7pm Wednesday.

At 3:30am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 4.45 metres and rising with the high tide. A peak slightly above this level is expected in the next few hours.

Predicted River Heights/Flows:

Brisbane City: Peak around 4.6 metres (major) with the high tide about 4am Thursday.

Fall below major flood level by Friday.

Next Issue:
The next warning will be issued at about 8am Thursday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.74m	falling	02:00 AM THU 13/01/11
Laidley Ck at Laidley	5.1m	steady	08:45 AM WED 12/01/11
Laidley Ck at Showground Weir #	5.32m	falling	03:25 AM THU 13/01/11
Laidley Ck at Warrego Hwy *	4.68m	falling	02:00 AM THU 13/01/11
Lockyer Ck at Glenore Grove #	8.2m	falling	03:15 AM THU 13/01/11
Lockyer Ck at Rifle Range Rd *	15.06m	falling	02:40 AM THU 13/01/11
Brisbane R at Savages Crossing *	16.7m	falling	02:40 AM THU 13/01/11
Bremer R at Rosewood #	3.92m	falling	03:14 AM THU 13/01/11
Bremer R at Walloon DERM *	5.01m	falling	02:00 AM THU 13/01/11
Warrill Ck at Amberley DNR *	7.71m	falling	02:40 AM THU 13/01/11
Bremer R at Ipswich #	17.85m	falling	03:16 AM THU 13/01/11
Brisbane R at Moggill #	16.27m	falling	03:14 AM THU 13/01/11
Brisbane R at Jindalee Br #	12.45m	falling	02:59 AM THU 13/01/11
Brisbane R at City Gauge #	4.45m	rising	02:57 AM THU 13/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3522

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 13 January 2011 7:36 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:35 AM on Thursday the 13th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY FLOOD WARNING FOR THE LOGAN RIVER FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing on Magnificent Creek at Kowanyama. Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Upper Brisbane River: Minor flooding easing in the Stanley River, Upper Brisbane River, and Cressbrook Creek above Wivenhoe Dam.

Sunshine Coast: Moderate flooding easing in the Mooloolah River at Jordan St, and in Paynter Creek at Diddillibah. Minor flooding easing in the Noosa River between Boreen Point and Lake Cooroibah.

Nolan River: Minor flooding slowly easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3637

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 13 January 2011 8:41 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 8:40 AM on Thursday the 13th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich are falling and have fallen below 17 metres at 8am Thursday. River levels will drop below major flood level overnight.

BRISBANE: At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. At 8am Thursday, the Brisbane City gauge was 4.2 metres and falling. A return to flood levels of around 4.2 metres is expected with the high tide at 4pm Thursday.

The flood peak was below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing during Thursday.

WARRILL CREEK:
Moderate flooding continues from Kalbar to Amberley, with flood levels now falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich has fallen below 17 metres at 8am Thursday. River levels will continue falling during Thursday with levels of about 15 metres

MIDDLE AND LOWER BRISBANE:
Major flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Savages Crossing, a major flood peak of 24.1 metres was recorded on Wednesday morning, slightly higher than the 1974 peak level (23.8m) at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. Flood levels of around 14.5 metres are expected by 4pm Thursday.

At Jindalee, a peak of 13 metres was observed at about 7pm Wednesday. Flood levels of around 11 metres are expected by around 4pm Thursday.

At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. Flood levels will recede this morning before rising again to around 4.2 metres with the high tide at 4pm today. Flood levels of around 3.1 metres

Predicted River Heights/Flows:
Ipswich: Fall to around 15 metres by 4pm Thursday, then about 11 metres by 5am Friday.

Moggill: Fall to about 14.5 metres by 4pm Thursday, then about 10 metres by 5am Friday.

Jindalee: Fall to about 11 metres by 4pm Thursday, then about 6 metres by 5am Friday.

ICC.005.3519

Brisbane City: Fall this morning before rising again with the tide to around 4.2 metres by 4pm, then about 3.2 metres with the 5am high tide on Friday.

Next Issue:
The next warning will be issued at about 1pm Thursday.

Latest River Heights:

Laidley Ck at Laidley	5.1m steady	08:45 AM WED 12/01/11
Laidley Ck at Showground Weir #	5.26m falling	06:19 AM THU 13/01/11
Laidley Ck at Warrego Hwy *	4.57m falling	06:00 AM THU 13/01/11
Lockyer Ck at Glenore Grove #	7.84m falling	07:39 AM THU 13/01/11
Lockyer Ck at Rifle Range Rd *	14.46m falling	05:40 AM THU 13/01/11
Brisbane R at Savages Crossing *	16.06m rising	05:40 AM THU 13/01/11
Bremer R at Rosewood #	3.74m falling	07:17 AM THU 13/01/11
Bremer R at Walloon DERM *	4.59m falling	06:00 AM THU 13/01/11
Warrill Ck at Amberley DNR *	7.39m falling	05:40 AM THU 13/01/11
Bremer R at Ipswich #	16.9m falling	07:35 AM THU 13/01/11
Brisbane R at Moggill #	15.27m falling	07:41 AM THU 13/01/11
Brisbane R at Jindalee Br #	11.85m falling	07:32 AM THU 13/01/11
Brisbane R at City Gauge #	4.26m falling	07:24 AM THU 13/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3520

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 13 January 2011 10:57 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:56 AM on Thursday the 13th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE
AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FITZROY RIVER FLOOD WARNING FOR THE
LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE LOGAN RIVER FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR
THE MOONIE RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Upper Brisbane River: Minor flooding easing in the Stanley River, Upper Brisbane River, and Cressbrook Creek above Wivenhoe Dam.

Sunshine Coast: Minor to moderate flooding easing in the Mooloolah River at Jordan St, and in Paynter Creek at Diddillibah. Minor flooding easing in the Noosa River between Boreen Point and Lake Cooroibah.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Baffle Creek: A small minor peak expected at Mimdale during Thursday may result in creek levels near to the level of Essendean Bridge overnight Thursday.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 13 January 2011 12:57 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 12:57 PM on Thursday the 13th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich are falling and have fallen below 17 metres at 8am Thursday. River levels will drop below major flood level overnight.

BRISBANE: At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. At noon Thursday, the Brisbane City gauge was 3.91 metres steady. A return to flood levels of around 4.2 metres are expected with the high tide at 4pm Thursday.

The flood peak was below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing during Thursday.

WARRILL CREEK:
Moderate flooding continues from Kalbar to Amberley, with flood levels now falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich has fallen below 17 metres at 8am Thursday. River levels will continue falling during Thursday with levels of about 15 metres

MIDDLE AND LOWER BRISBANE:
Major flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Savages Crossing, a major flood peak of 24.1 metres was recorded on Wednesday morning, slightly higher than the 1974 peak level (23.8m) at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. Flood levels of around 10 metres are expected by 5am Friday.

At Jindalee, a peak of 13 metres was observed at about 7pm Wednesday. Flood levels of around 11 metres are expected by around 4pm Thursday.

At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. Flood levels will rise again to around 4.2 metres with the high tide at 4pm today. Flood levels of around 3.2 metres are expected with the high tide at 5am Friday.

Predicted River Heights/Flows:
Ipswich: Fall to around 15 metres by 4pm Thursday, then about 11 metres by 5am Friday.

Moggill: Fall to about 14.5 metres by 4pm Thursday, then about 10 metres by 5am Friday.

Jindalee: Fall to about 11 metres by 4pm Thursday, then about 6 metres by 5am Friday.

Brisbane City: Rise again this afternoon with the tide to around 4.2 metres by 4pm, then about 3.2 metres with the 5am high tide on Friday.

Next Issue:
The next warning will be issued at about 6pm Thursday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.58m	falling	11:00	AM THU	13/01/11
Laidley Ck at Showground Weir #	5.22m	falling	12:19	PM THU	13/01/11
Laidley Ck at Warrego Hwy *	4.47m	falling	11:00	AM THU	13/01/11
Lockyer Ck at Glenore Grove #	7.44m	falling	12:35	PM THU	13/01/11
Lockyer Ck at Rifle Range Rd *	13.14m	falling	11:40	AM THU	13/01/11
Brisbane R at Savages Crossing *	15.01m	rising	11:30	AM THU	13/01/11
Bremer R at Rosewood #	3.52m	falling	12:35	PM THU	13/01/11
Bremer R at Walloon DERM *	4.26m	falling	11:00	AM THU	13/01/11
Warrill Ck at Amberley DNR *	6.89m	falling	11:40	AM THU	13/01/11
Bremer R at Ipswich #	15.6m	falling	12:37	PM THU	13/01/11
Brisbane R at Moggill #	14.02m	falling	12:41	PM THU	13/01/11
Brisbane R at Jindalee Br #	10.95m	falling	12:26	PM THU	13/01/11
Brisbane R at City Gauge #	3.9m	falling	12:03	PM THU	13/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3518

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 13 January 2011 3:05 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 3:04 PM on Thursday the 13th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE FITZROY RIVER FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY FLOOD WARNING FOR THE LOGAN RIVER FLOOD WARNING FOR THE MARY RIVER FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Upper Brisbane River: Minor flooding is easing in the Stanley River, Upper Brisbane River and in the Cressbrook Creek above Wivenhoe Dam.

Sunshine Coast: Minor to moderate flooding easing in the Mooloolah River at Jordan St, and in Paynter Creek at Diddillibah. Minor flooding easing in the Noosa River at Lake Cooroibah.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Baffle Creek: A small minor peak expected at Mimdale during Thursday may result in creek levels near to the level of Essendean Bridge overnight Thursday.

Pioneer River: Minor flood levels are rising in Cattle Creek in the Finch Hatton area.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Gulf Rivers: Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3635

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 13 January 2011 5:42 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 5:41 PM on Thursday the 13th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich fell below 15 metres at 3pm Thursday. River levels will fall below major flood level overnight.

BRISBANE: At 4am Thursday, tbe Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. At 5pm Thursday the Brisbane City gauge was 3.6 metres and falling, and will continue to fall during Thursday evening.

The flood peak was below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Moderate flooding in the lower Lockyer Creek will continue easing during Thursday evening.

WARRILL CREEK:
Moderate flooding continues from Harrisville to Amberley, with flood levels falling steadily.

BREMER RIVER
The Bremer River from Rosewood to Walloon continues to fall and is now below minor flood level.

Major flood levels in the Bremer River at Ipswich continue to fall. The level at Ipswich passed through 15 metres at 2:45 pm Thursday and will fall below major flood level overnight Thursday.

MIDDLE AND LOWER BRISBANE:
Moderate to major flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. Flood levels of around 11 metres are expected by 5am Friday.

The flood level at Jindalee at 5:30pm Thursday was 9.9 metres and continuing to fall.

At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. Flood levels had dropped to 3.75 metres with the high tide at 4pm Thursday. Flood levels of around 3 metres are expected with the high tide at 5am Friday.

Predicted River Heights/Flows:
Ipswich: Fall to around 12 metres by 5am Friday.

Moggill: Fall to about 11 metres by 5am Friday.

Jindalee: Fall to about 7 metres by 5am Friday.

Brisbane City: Fall to about 3 metres with the 5am high tide on Friday.

Next Issue:
The next warning will be issued at about 10pm Thursday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.47m	falling	04:00 PM THU 13/01/11
Laidley Ck at Showground Weir #	5.16m	falling	05:16 PM THU 13/01/11
Laidley Ck at Warrego Hwy *	4.43m	steady	04:00 PM THU 13/01/11
Lockyer Ck at Glenore Grove #	7.12m	falling	05:19 PM THU 13/01/11
Lockyer Ck at Rifle Range Rd *	12.54m	falling	02:40 PM THU 13/01/11
Brisbane R at Savages Crossing *	14.5m	falling	02:30 PM THU 13/01/11
Bremer R at Rosewood #	3.36m	falling	05:17 PM THU 13/01/11
Bremer R at Walloon DERM *	4.03m	falling	04:00 PM THU 13/01/11
Warrill Ck at Amberley DNR *	6.69m	falling	02:40 PM THU 13/01/11
Bremer R at Ipswich #	14.2m	falling	05:22 PM THU 13/01/11
Brisbane R at Moggill #	12.77m	falling	05:20 PM THU 13/01/11
Brisbane R at Jindalee Br #	9.95m	falling	05:14 PM THU 13/01/11
Brisbane R at City Gauge #	3.61m	falling	05:24 PM THU 13/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3516

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 13 January 2011 10:07 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY Issued at 10:06 PM on Thursday the 13th of January 2011 by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich fell below 13 metres at 9pm Thursday. River levels will fall below the major flood level (11.7 metres) Friday morning.

BRISBANE: At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. At 9pm Thursday the Brisbane City gauge was 3.06 metres and falling, and will continue to fall overnight Thursday.

The flood peak was below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Minor flooding in the lower Lockyer Creek will continue easing overnight Thursday.

WARRILL CREEK:
Minor to moderate flooding continues from Harrisville to Amberley, with flood levels falling steadily.

BREMER RIVER:
Major flood levels in the Bremer River at Ipswich continue to fall. The level at Ipswich passed through 13 metres at 9pm Thursday and will fall below major flood level (11.7 metres) Friday morning.

MIDDLE AND LOWER BRISBANE:
Moderate flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Moggill, minor flood levels of around 11 metres are expected by 5am Friday.

The flood level at Jindalee at 9:30pm Thursday was 9 metres and continuing to fall with moderate flooding.

At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. Flood levels of around 2.8 metres are expected with the high tide at 5am Friday.

Predicted River Heights/Flows:
Ipswich: Fall to around 12 metres by 5am Friday. Fall to about 9.5 metres on the 5pm Friday high tide.

Moggill: Fall to about 11 metres by 5am Friday. Fall to about 9.5 metres on the 5pm Friday high tide.

Jindalee: Fall to about 7 metres by 5am Friday. Fall to about 6 metres on the 5pm Friday high tide.

Brisbane City: Fall to about 2.8 metres with the 5am high tide on Friday. Fall below the moderate flood level (2.6 metres) by 5pm Friday with the high tide.

Next Issue:
The next warning will be issued at about 7am Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.42m	falling	08:00 PM THU 13/01/11
Laidley Ck at Showground Weir #	5.12m	steady	08:52 PM THU 13/01/11
Laidley Ck at Warrego Hwy *	4.43m	steady	08:00 PM THU 13/01/11
Lockyer Ck at Glenore Grove #	6.86m	falling	09:29 PM THU 13/01/11
Lockyer Ck at Rifle Range Rd *	11.29m	falling	08:40 PM THU 13/01/11
Brisbane R at Savages Crossing *	14.26m	rising	08:30 PM THU 13/01/11
Bremer R at Rosewood #	3.26m	falling	09:11 PM THU 13/01/11
Bremer R at Walloon DERM *	3.89m	falling	08:00 PM THU 13/01/11
Warrill Ck at Amberley DNR *	6.36m	falling	08:40 PM THU 13/01/11
Bremer R at Ipswich #	12.85m	falling	09:40 PM THU 13/01/11
Brisbane R at Moggill #	11.62m	falling	09:35 PM THU 13/01/11
Brisbane R at Jindalee Br #	8.95m	falling	09:32 PM THU 13/01/11
Brisbane R at City Gauge #	3.01m	falling	09:24 PM THU 13/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Sunday, 16 January 2011 7:22 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE Issued at 7:22 AM on Sunday the 16th of January 2011 by the Bureau of Meteorology, Brisbane.

Minor flooding continues to slowly ease in the Bremer River at Ipswich. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. At 7am Sunday the Brisbane City gauge was at 1.95 metres (minor) and rising with the high tide.

WARRILL CREEK:
Minor flooding continues to slowly ease in Warrill Creek at Amberley.

BREMER RIVER:
Minor flooding continues to slowly ease in the lower Bremer River. At 5:30am Sunday, the river level at Ipswich was 8.00 metres and falling very slowly.
Flood levels are expected to ease below the minor flood level during the next few days.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 7am Sunday the Brisbane City gauge was at 1.95 metres and rising with the high tide. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. Levels should fall below the minor flood level by Wednesday.

Predicted River Heights/Flows:

Ipswich:	Fall below the minor flood level [7.0 metres] during Monday.
Brisbane City:	Rises and minor flooding continues with the fluctuating high tide during the next few days. Fall below the minor flood level [1.7 metres] by Wednesday.

Next Issue:
The next warning will be issued at about 8am Monday.

Latest River Heights:

Lockyer Ck at Rifle Range Rd *	7.64m	falling	05:30 AM SUN 16/01/11
Brisbane R at Savages Crossing *	14.5m	steady	05:40 AM SUN 16/01/11
Bremer R at Rosewood #	2.32m	falling	06:00 AM SUN 16/01/11
Warrill Ck at Amberley DNR *	4.42m	falling	05:40 AM SUN 16/01/11
Bremer R at Ipswich #	8m	steady	05:26 AM SUN 16/01/11
Brisbane R at Moggill #	7.52m	steady	04:16 AM SUN 16/01/11
Brisbane R at Jindalee Br #	5m	rising	05:59 AM SUN 16/01/11
Brisbane R at City Gauge #	1.9m	rising	06:27 AM SUN 16/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/

. Flood Warnings are also available on telephone 1300 659 219 a ... ow call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Sunday, 16 January 2011 10:58 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:57 AM on Sunday the 16th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE FITZROY RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Logan-Albert Rivers: Minor flooding easing slowly in the upper Logan River at Rathdowney.

Upper Brisbane River: Minor flooding easing slowly at Devon Hills.

Burnett River: Isolated minor flooding easing along the Boyne River around Derra, and along the Barker and Barambah Creeks. Minor to moderate flooding easing slowly along the lower Burnett River between Fig Tree and Walla Weir.

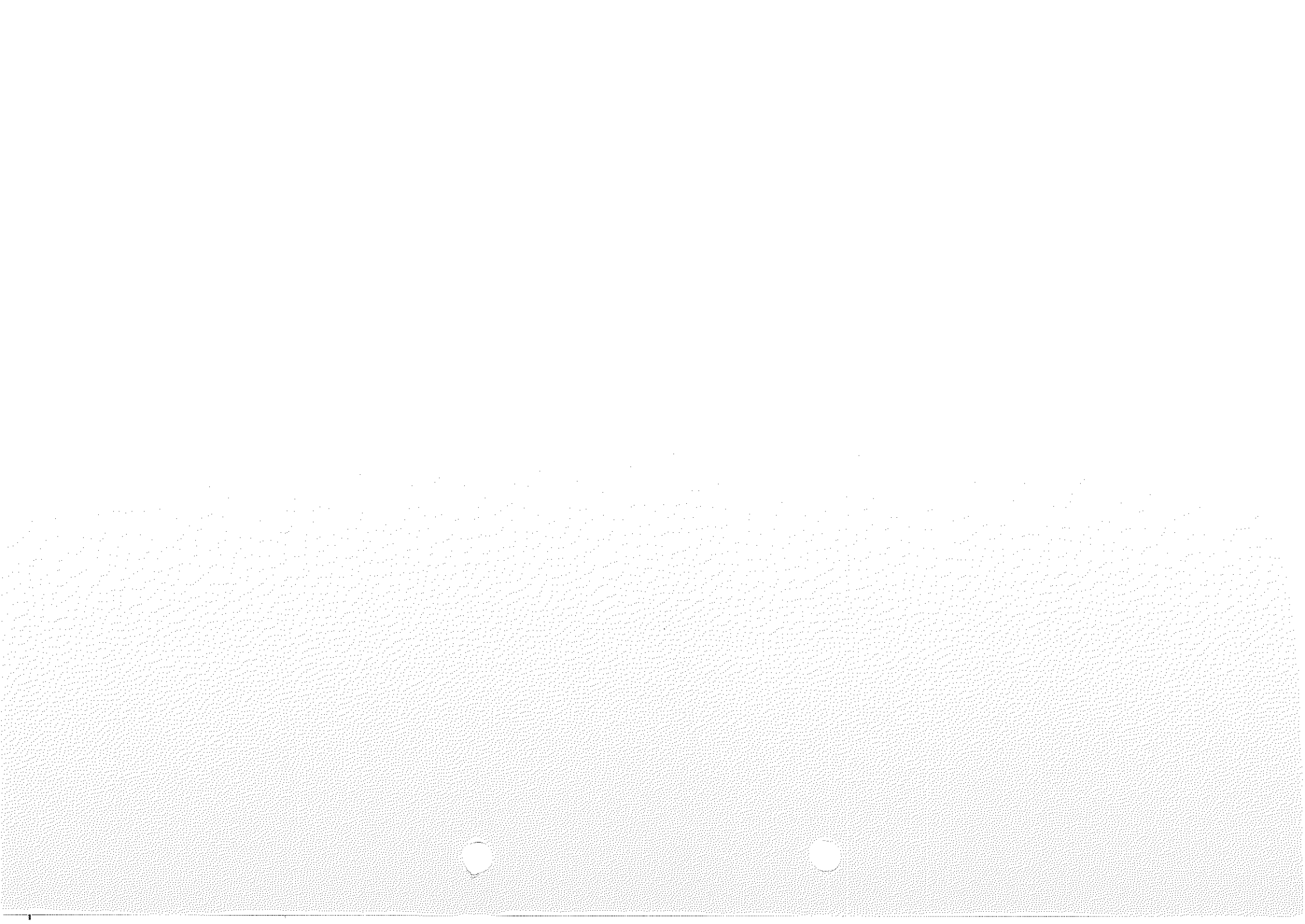
Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Barron River: Minor flood levels are easing in the Clohesy River at Bolton Road.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Gulf Rivers: Minor flooding generally remains steady along the Norman River between Yappar River and Normanton. Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.



Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Monday, 17 January 2011 7:36 AM
To: [redacted]
Subject: BOM: FLOWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE Issued at 7:33 AM on Monday the 17th of January 2011 by the Bureau of Meteorology, Brisbane.

Minor flooding continues to slowly ease in the Bremer River at Ipswich. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. At 7am Monday the Brisbane City gauge was at 1.96 metres (minor) and rising with the high tide.

BREMER RIVER:
Minor flooding continues to slowly ease in the lower Bremer River. At 5:50am Monday, the river level at Ipswich was 7.80 metres and falling very slowly.
Flood levels are expected to ease below the minor flood level during the next few days.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 7am Monday the Brisbane City gauge was at 1.96 metres and rising with the high tide. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. Levels should fall below the minor flood level by Wednesday.

Predicted River Heights/Flows:
Ipswich: Fall below the minor flood level (7.0 metres) during Monday/Tuesday.

Brisbane City: Rises and minor flooding continues with the fluctuating high tide during the next few days. Fall below the minor flood level (1.7 metres) by Wednesday.

Next Issue:
The next warning will be issued at about 4pm Monday.

Latest River Heights:

Laidley Ck at Showground Weir #	4.84m steady	05:52 AM MON 17/01/11
Laidley Ck at Warrego Hwy *	4.42m steady	06:00 AM MON 17/01/11
Lockyer Ck at Glenore Grove #	5.04m steady	07:02 AM MON 17/01/11
Lockyer Ck at Rifle Range Rd *	6.92m falling	05:40 AM MON 17/01/11
Brisbane R at Savages Crossing *	14.39m rising	05:40 AM MON 17/01/11
Brisbane R at Mt Crosby #	16.42m falling	07:09 AM MON 17/01/11
Bremer R at Rosewood #	2.1m falling	06:59 AM MON 17/01/11
Bremer R at Walloon DERM *	2.6m steady	06:00 AM MON 17/01/11
Warrill Ck at Amberley DNR *	3.88m falling	05:10 AM MON 17/01/11
Bremer R at Ipswich #	7.85m rising	07:13 AM MON 17/01/11
Brisbane R at Moggill #	7.37m steady	07:16 AM MON 17/01/11
Brisbane R at Jindalee Br #	4.85m steady	07:07 AM MON 17/01/11
Brisbane R at City Gauge #	1.96m rising	07:03 AM MON 17/01/11

denotes automatic station.

Warnings and River Height Bulletins are available at http://www gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at _ low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 17 January 2011 8:24 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:23 AM on Monday the 17th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding rising slowly in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising at Caiwarro.

Stanthorpe area: Minor flooding continues in Quart Pot Creek.

Burnett Catchment: Isolated minor flooding easing along the Boyne River around Derra. Minor flooding easing slowly along the lower Burnett River around Walla.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Fitzroy Catchment: Minor flooding easing in the lower Dawson River between Baralaba and Knebworth. Minor flooding easing in the Fitzroy River between Yaamba and Rockhampton.

Barron River: Minor flooding easing at Mareeba.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3629

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Monday, 17 January 2011 3:28 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE Issued at 3:27 PM on Monday the 17th of January 2011 by the Bureau of Meteorology, Brisbane.

Minor flooding continues in the Bremer River at Ipswich. Minor flood levels at the Brisbane City gauge will gradually ease with tidal fluctuations.

BREMER RIVER:
Minor flooding continues in the lower Bremer River at Ipswich. At 2:30pm Monday, the river level at Ipswich was 8 metres. Flood levels are expected to fall below the minor flood level during Tuesday.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues along the Brisbane River from Savages Crossing to Brisbane City.

Minor flood levels at the Brisbane City gauge will continue to ease with tidal fluctuations. Levels are expected to fall below the minor flood level by Wednesday.

Predicted River Heights/Flows:
Ipswich: Fall below the minor flood level (7 metres) during Tuesday.

Brisbane City: Minor flood levels will continue with the morning high tide on Tuesday. Fall below the minor flood level (1.7 metres) by Wednesday.

Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:

Tenthill Ck at Tenthill *	0.76m steady	02:00 PM MON	17/01/11
Laidley Ck at Showground Weir #	4.88m steady	02:52 PM MON	17/01/11
Laidley Ck at Warrego Hwy *	2.13m falling	02:00 PM MON	17/01/11
Lockyer Ck at Glenore Grove #	4.94m falling	03:08 PM MON	17/01/11
Lockyer Ck at Rifle Range Rd *	6.76m falling	11:20 AM MON	17/01/11
Brisbane R at Savages Crossing *	14.01m falling	03:00 PM MON	17/01/11
Bremer R at Rosewood #	2.02m steady	02:26 PM MON	17/01/11
Bremer R at Walloon DERM *	2.55m steady	02:00 PM MON	17/01/11
Warrill Ck at Amberley DNR *	3.77m falling	11:20 AM MON	17/01/11
Bremer R at Ipswich #	8m steady	02:26 PM MON	17/01/11
Brisbane R at Moggill #	7.32m falling	03:10 PM MON	17/01/11
Brisbane R at Jindalee Br #	4.85m falling	02:10 PM MON	17/01/11
Brisbane R at City Gauge #	0.95m falling	02:30 PM MON	17/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Monday, 17 January 2011 6:43 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 6:42 PM on Monday the 17th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding rising slowly in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising at Caiwarro and Hungerford.

Stanthorpe area: Minor flooding continues in Quart Pot Creek.

Burnett Catchment: Isolated minor flooding easing along the Boyne River around Derra. Minor flooding easing slowly along the lower Burnett River around Walla.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Fitzroy Catchment: Minor flooding easing in the lower Dawson River between Baralaba and Knebworth. Minor flooding easing in the Fitzroy River between Yaamba and Rockhampton.

Barron River: Minor flooding easing at Mareeba.

Georgina River: Minor flooding is rising at Urandangi.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 8:36 AM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO:;BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE Issued at 8:36 AM on Tuesday the 18th of January 2011 by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues to ease along the middle reach of the Brisbane River between Savages Crossing and the Mt Crosby Crossing. Minor flood levels at the Brisbane City gauge will gradually ease with tidal fluctuations.

BREMER RIVER:
River levels have eased below minor along the lower Bremer River. At 8:10am Tuesday, the river level at Ipswich was 6.45 metres and falling.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues along the Brisbane River from Savages Crossing to Brisbane City.

Minor flood levels at the Brisbane City gauge will continue to ease with tidal fluctuations. Levels are expected to fall below the minor flood level by Wednesday.

Predicted River Heights/Flows:
Brisbane City: Minor flood levels will continue with the morning high tide on Tuesday. Fall below the minor flood level (1.7 metres) by Wednesday.

Weather Forecast:
A shower or two and the chance of a thunderstorm during the afternoon and evening.

Next Issue:
The next warning will be issued at about 9am Wednesday.

Latest River Heights:

Lockyer Ck at Glenore Grove #	4.78m	steady	07:02 AM TUE 18/01/11
Lockyer Ck at Rifle Range Rd *	6.33m	falling	06:00 AM TUE 18/01/11
Brisbane R at Savages Crossing *	11.31m	falling	06:30 AM TUE 18/01/11
Bremer R at Rosewood #	1.96m	falling	06:41 AM TUE 18/01/11
Bremer R at Walloon DERM *	2.45m	steady	07:00 AM TUE 18/01/11
Warrill Ck at Amberley DNR *	3.51m	steady	06:20 AM TUE 18/01/11
Bremer R at Ipswich #	6.45m	falling	08:08 AM TUE 18/01/11
Brisbane R at Moggill #	5.92m	falling	08:10 AM TUE 18/01/11
Brisbane R at Jindalee Br #	4.05m	steady	07:07 AM TUE 18/01/11
Brisbane R at City Gauge #	1.96m	rising	07:57 AM TUE 18/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 10:51 AM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:51 AM on Tuesday the 18th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding is steady in Magnificent Creek at Kowanyama Airport.

Georgine River: Rises and minor flooding is occurring at Urandangi. River rises are also occurring at Roxburough Downs in the Georgina River and at Boulia in the Burke River.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding rising at Quilpie.

Paroo River: Minor flooding continues between Caiwarro and Hungerford.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Fitzroy Catchment: Minor flooding easing in the lower Dawson River between Baralaba and Knebworth. River levels have eased below minor in the Fitzroy River between Yaamba and Rockhampton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 12:49 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the SCENIC RIM Council Area.

Issued at 12:47 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 12:50 pm, severe thunderstorms were detected on weather radar near Mount Barney and the NSW border. These thunderstorms are slow moving. Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 1:50 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 1:23 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the GOLD COAST CITY and SCENIC RIM Council Areas.

Issued at 1:22 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 1:25 pm, severe thunderstorms were detected on weather radar near Mount Barney and Rathdowney.

These thunderstorms are moving towards the east.

They are forecast to affect Border Ranges National Park and the area south of Canungra by 1:55 pm and Numinbah Valley, Little Nerang Dam and Laravale by 2:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 2:20 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 1:57 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the SCENIC RIM and parts of the GOLD COAST CITY and LOGAN CITY Council Areas.

Issued at 1:56 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 2:00 pm, severe thunderstorms were detected on weather radar near Boonah, the area between Boonah and Beaudesert and Laravale. These thunderstorms are slow moving. They are forecast to affect the McPherson Range and the area south of Canungra by 2:30 pm and Beaudesert, Springbrook and Numinbah Valley by 3:00 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:00 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 2:32 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOGAN CITY and parts of the GOLD COAST CITY, IPSWICH CITY and SCENIC RIM Council Areas.

Issued at 2:31 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 2:35 pm, severe thunderstorms were detected on weather radar near the area between Boonah and Beaudesert.

These thunderstorms are moving towards the northeast.

They are forecast to affect Jimboomba by 3:05 pm and Logan Village, Bundamba Lagoon and Greenbank by 3:35 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:30 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 2:54 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOGAN CITY and parts of the BRISBANE CITY, GOLD COAST CITY, IPSWICH CITY and SCENIC RIM Council Areas.

Issued at 2:52 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 2:55 pm, very dangerous thunderstorms were detected on weather radar near the area between Boonah and Beaudesert and Peak Crossing.

These thunderstorms are slow moving.

Very dangerous thunderstorms are forecast to affect Tamborine, Jimboomba and Bundamba Lagoon by 3:25 pm and Greenbank, Redbank Plains and Amberley by 3:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 3:55 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 3:05 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOGAN CITY, IPSWICH CITY and parts of the BRISBANE CITY, GOLD COAST CITY, MORETON BAY, SOUTHERN DOWNS, SCENIC RIM, SOMERSET and REDLAND Council Areas.

Issued at 3:04 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 3:05 pm, very dangerous thunderstorms were detected on weather radar near Peak Crossing and Amberley.

These thunderstorms are moving towards the north to northeast.

Very dangerous thunderstorms are forecast to affect Ipswich and Bundamba Lagoon by 3:35 pm and Redbank Plains, Lake Manchester and Fernvale by 4:05 pm.

Other severe thunderstorms were located near Jimboomba.

They are forecast to affect Logan Village by 3:35 pm and Beenleigh, Logan City and Sunnybank Hills by 4:05 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:05 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 3:41 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the BRISBANE CITY and parts of the LOGAN CITY, MORETON BAY, IPSWICH CITY, SOMERSET and REDLAND Council Areas.

Issued at 3:40 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 3:45 pm, severe thunderstorms were detected on weather radar near Ipswich and Upper Brookfield.

These thunderstorms are moving towards the north.

They are forecast to affect Brisbane CBD, Albany Creek and the D'Aguilar Ranges by 4:15 pm and Strathpine, Redcliffe and Mount Mee by 4:45 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Wind gust of 95km/hr was observed at Amberley

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:40 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 3:48 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the BRISBANE CITY and parts of the LOCKYER VALLEY, LOGAN CITY, MORETON BAY, IPSWICH CITY, SOMERSET, TOOWOOMBA and REDLAND Council Areas.

Issued at 3:47 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 3:55 pm, severe thunderstorms were detected on weather radar near Toowoomba, Highfields and Sunnybank Hills.

These thunderstorms are moving towards the north to northeast.

They are forecast to affect Brisbane CBD, Logan City and the area north of Toowoomba by 4:25 pm and Cleveland, Albany Creek and Crows Nest by 4:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Wind gust of 95km/hr was observed at Amberley

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:50 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 4:17 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the MORETON BAY and parts of the BRISBANE CITY, LOCKYER VALLEY, IPSWICH CITY, SOMERSET and TOOWOOMBA Council Areas.

Issued at 4:16 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 4:25 pm, severe thunderstorms were detected on weather radar near Brisbane CBD, the area south of Esk and Highvale.

These thunderstorms are moving towards the north to northeast.

They are forecast to affect Strathpine, Esk and Dayboro by 4:55 pm and Redcliffe, Caboolture and Wamuran by 5:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Wind gust of 95km/hr was observed at Amberley at 3:01pm 2cm hail reported at Gatton at 3:42pm

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:20 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3736

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 4:19 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the MORETON BAY and parts of the BRISBANE CITY, LOCKYER VALLEY, SUNSHINE COAST, SOMERSET and TOOWOOMBA Council Areas.

Issued at 4:18 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 4:25 pm, severe thunderstorms were detected on weather radar near Brisbane CBD, the area south of Esk, the D'Aguilar Ranges and the area north of Toowoomba.

These thunderstorms are moving towards the north to northeast.

They are forecast to affect Strathpine, Esk and the area southwest of Esk by 4:55 pm and Redcliffe, Caboolture and the area northwest of Esk by 5:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Wind gust of 95km/hr was observed at Amberley at 3:01pm 2cm hail reported at Gatton at 3:42pm

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:20 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 4:43 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOCKYER VALLEY, MORETON BAY, IPSWICH CITY, SOMERSET and parts of the BRISBANE CITY, LOGAN CITY, SUNSHINE COAST, SCENIC RIM, SOUTH BURNETT and TOOWOOMBA Council Areas.

Issued at 4:41 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 4:40 pm, severe thunderstorms were detected on weather radar near Esk, the area south of Esk, Hampton and the area northwest of Cunninghams Gap. These thunderstorms are moving towards the north to northeast. They are forecast to affect the area southwest of Esk, the area west of Kilcoy and Lake Somerset by 5:10 pm and Ipswich, Kilcoy and the area northwest of Esk by 5:40 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Wind gust of 95km/hr was observed at Amberley at 3:01pm 2cm hail reported at Gatton at 3:42pm
3-4 cm hail reported at Bridgeman Downs

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:45 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 5:29 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the MORETON BAY, SUNSHINE COAST and SOMERSET Council Areas.

Issued at 5:28 pm Tuesday, 18 January 2011.

The Bureau of Meteorology warns that, at 5:35 pm, severe thunderstorms were detected on weather radar near Kilcoy.

These thunderstorms are moving towards the north.

They are forecast to affect the area west of Kilcoy and Mount Kilcoy by 6:05 pm and the ranges south of Jimna and the area west of Conondale by 6:35 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Wind gust of 95km/hr was observed at Amberley at 3:01pm 2cm hail reported at Gatton at 3:42pm
3-4 cm hail reported at Bridgeman Downs

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:30 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 6:57 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 6:55 pm Tuesday, 18 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe].

The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Wind gust of 95km/hr was observed at Amberley at 3:01pm 2cm hail reported at Gatton at 3:42pm
3-4 cm hail reported at Bridgeman Downs

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Tuesday, 18 January 2011 11:11 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:10 PM on Tuesday the 18th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE FLOOD WARNING FOR THE CONDAMINE FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE DON AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Pioneer River: Very heavy rainfall over 100 millimetres has been recorded during the last few hours at Sarichs amd Teemburra Dam. Rises and minor to moderate flooding are possible in the next few hours downstream to Mirani Weir.

Gulf Rivers: Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding is steady in Magnificent Creek at Kowanyama Airport.

Georgine River: Rises and minor flooding is occurring at Urandangi. River rises are also occurring at Roxburough Downs in the Georgina River and at Boulia in the Burke River.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding rising at Quilpie.

Paroo River: Minor flooding continues between Caiwarro and Hungerford.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Fitzroy Catchment: Minor flooding easing in the lower Dawson River between Baralaba and Knebworth. River levels have eased below minor in the Fitzroy River between Yaamba and Rockhampton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 8:18 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FINAL FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE Issued at 8:18 AM on Wednesday the 19th of January 2011 by the Bureau of Meteorology, Brisbane.

Minor flooding is falling fast at Mt Crosby and levels will drop below minor this morning. Elsewhere in the catchment, river levels are now below minor flood heights.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Tenthill Ck at Tenthill *	2.15m	falling	07:00 AM WED	19/01/11
Laidley Ck at Showground Weir #	4.86m	falling	06:31 AM WED	19/01/11
Laidley Ck at Warrego Hwy *	2.08m	rising	07:00 AM WED	19/01/11
Lockyer Ck at Glenore Grove #	4.8m	steady	08:15 AM WED	19/01/11
Lockyer Ck at Rifle Range Rd *	5.89m	steady	07:10 AM WED	19/01/11
Brisbane R at Savages Crossing *	7.53m	falling	07:10 AM WED	19/01/11
Bremer R at Rosewood #	1.86m	falling	07:56 AM WED	19/01/11
Bremer R at Walloon DERM *	2.39m	steady	07:00 AM WED	19/01/11
Warrill Ck at Amberley DNR *	3.68m	rising	07:10 AM WED	19/01/11
Bremer R at Ipswich #	3.15m	falling	08:05 AM WED	19/01/11
Brisbane R at Moggill #	2.82m	falling	07:43 AM WED	19/01/11
Brisbane R at Jindalee Br #	2.05m	rising	08:13 AM WED	19/01/11
Brisbane R at City Gauge #	1.65m	rising	08:14 AM WED	19/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 10:30 AM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:29 AM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor to moderate flooding rising in the upper Flinders River at Hughenden and Richmond. Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Georgina River: Rises and minor flooding is occurring at Urandangi and at Roxborough Downs.

Diamantina River: Minor flooding rising between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding rising in the upper Brisbane River at Devon Hills. Minor flooding with the high tide at Brisbane City.

Burnett River: Minor and moderate flooding easing in the Boyne River at Cooranga and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to slowly ease in the lower Dawson River between Baralaba and Knebworth.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in the Belyando and Bogie Rivers.

Barron River: Minor flooding easing at Bilwon.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3625

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 11:04 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:03 AM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FLINDERS RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Georgina River: Rises and minor flooding is occurring at Urandangi and at Roxborough Downs.

Diamantina River: Minor flooding rising between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding rising in the upper Brisbane River at Devon Hills. Minor flooding with the high tide at Brisbane City.

Burnett River: Minor and moderate flooding easing in the Boyne River at Cooranga and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to slowly ease in the lower Dawson River between Baralaba and Knebworth.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in the Belyando and Bogie Rivers.

Barron River: Minor flooding easing at Bilwon.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 3:27 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 3:26 pm Wednesday, 19 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe].

The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for the Wide Bay and Burnett and parts of the Central Highlands and Coalfields, Central West, Capricornia, Maranoa and Warrego, Darling Downs and Granite Belt and Southeast Coast districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 3:47 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 3:46 PM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE FLINDERS RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Georgina River: Rises and minor flooding is occurring at Urandangi and at Roxborough Downs.

Diamantina River: Minor flooding rising between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding rising in the upper Brisbane River at Devon Hills.

Burnett River: Minor and moderate flooding easing in the Boyne River at Cooranga and Derra and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to ease in the lower Dawson River between Baralaba and Knebworth.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in the Belyando and Bogie Rivers.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 4:28 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY, IPSWICH CITY, SOUTHERN DOWNS, SCENIC RIM and TOOWOOMBA Council Areas.

Issued at 4:27 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 4:25 pm, severe thunderstorms were detected on weather radar near the area northwest of Toowoomba and Oakey.

They are forecast to affect Toowoomba and the area west of Toowoomba by 4:55 pm and the area south of Toowoomba, the area southwest of Toowoomba and Cambooya by 5:25 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

2cm hail was observed at Oakey

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:30 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Northern Tropical Coast and Tablelands, Central Highlands and Coalfields, Central West, Capricornia, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 4:37 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the GOLD COAST CITY, LOCKYER VALLEY, IPSWICH CITY, SOUTHERN DOWNS, SCENIC RIM and TOOWOOMBA Council Areas.

Issued at 4:36 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 4:35 pm, severe thunderstorms were detected on weather radar near Little Nerang Dam, Tallebudgera and Numinbah Valley.

They are forecast to affect Coolangatta, the area northwest of Toowoomba and Mudgeeraba by 5:05 pm and Toowoomba, Maroon Dam and Miami by 5:35 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

2cm hail was observed at Oakey

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:35 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Northern Tropical Coast and Tablelands, Central Highlands and Coalfields, Central West, Capricornia, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 4:48 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the SCENIC RIM and parts of the GOLD COAST CITY, LOCKYER VALLEY, IPSWICH CITY, SOUTHERN DOWNS and TOOWOOMBA Council Areas.

Issued at 4:47 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 4:50 pm, severe thunderstorms were detected on weather radar near Coolangatta, the area southwest of Toowoomba, Border Ranges National Park and the NSW border.

These thunderstorms are moving towards the east to northeast.

They are forecast to affect the area northwest of Toowoomba, Laravale and Miami by 5:20 pm and Toowoomba, the area south of Toowoomba and Highfields by 5:50 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

2cm hail was observed at Oakey

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:50 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Northern Tropical Coast and Tablelands, Central Highlands and Coalfields, Central West, Capricornia, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 5:26 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOCKYER VALLEY and parts of the IPSWICH CITY, SCENIC RIM and SOMERSET Council Areas.

Issued at 5:25 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 5:30 pm, severe thunderstorms were detected on weather radar near the area northwest of Cunninghams Gap and the area south of Helidon. These thunderstorms are moving towards the northeast.
They are forecast to affect Gatton, Mulgowie and Helidon by 6:00 pm and Boonah, Laidley and Hatton Vale by 6:30 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

2cm hail was observed at Oakey

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:25 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Northern Tropical Coast and Tablelands, Central Highlands and Coalfields, Central West, Capricornia, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 5:55 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOCKYER VALLEY, IPSWICH CITY, SCENIC RIM and parts of the LOGAN CITY, SOMERSET and TOOWOOMBA Council Areas.

Issued at 5:54 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 5:55 pm, severe thunderstorms were detected on weather radar near Mulgowie, Helidon, Maroon Dam and Rosevale.

These thunderstorms are moving towards the northeast.

They are forecast to affect Boonah, Laidley and Gatton by 6:25 pm and Beaudesert, the area between Boonah and Beaudesert and Hampton by 6:55 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

2cm hail was observed at Oakey

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 6:55 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 6:13 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOCKYER VALLEY, IPSWICH CITY, SCENIC RIM and parts of the LOGAN CITY, SOUTHERN DOWNS, SOMERSET and TOOWOOMBA Council Areas.

Issued at 6:12 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 6:15 pm, very dangerous thunderstorms were detected on weather radar near Laidley and Gatton.

These thunderstorms are moving towards the northeast.

Very dangerous thunderstorms are forecast to affect Rosewood, Hatton Vale and the area north of Gatton by 6:45 pm and Amberley, Marburg and Hampton by 7:15 pm.

Other severe thunderstorms were located near Boonah, the area between Boonah and Beaudesert and the area southwest of Stanthorpe.

They are forecast to affect Beaudesert and Aratula by 6:45 pm and Rathdowney, Cunninghams Gap and Canungra by 7:15 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

2cm hail was observed at Oakey

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:15 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 6:16 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOCKYER VALLEY, IPSWICH CITY, SCENIC RIM and parts of the LOGAN CITY, SOUTHERN DOWNS, SOMERSET and TOOWOOMBA Council Areas.

Issued at 6:15 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 6:15 pm, very dangerous thunderstorms with intense rainfall were detected on weather radar near Laidley and Gatton.
These thunderstorms are moving towards the northeast. Very dangerous thunderstorms are forecast to affect Rosewood, Hatton Vale and the area north of Gatton by 6:45 pm and Amberley, Marburg and Hampton by 7:15 pm.

Other severe thunderstorms were located near Boonah, the area between Boonah and Beaudesert and the area southwest of Stanthorpe. They are forecast to affect Beaudesert and Aratula by 6:45 pm and Rathdowney and Canungra by 7:15 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

2cm hail was observed at Oakey

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:15 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 6:22 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOCKYER VALLEY, IPSWICH CITY, SCENIC RIM and parts of the LOGAN CITY, SOUTHERN DOWNS, SOMERSET and TOOWOOMBA Council Areas.

Issued at 6:20 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 6:15 pm, a very dangerous thunderstorm with intense rainfall was detected on weather radar near Laidley and Gatton.
This thunderstorm is moving towards the northeast. This very dangerous thunderstorm is forecast to affect Rosewood, Hatton Vale and the area north of Gatton by 6:45 pm and Amberley, Marburg and Hampton by 7:15 pm.

Other severe thunderstorms were located near Boonah, the area between Boonah and Beaudesert and the area southwest of Stanthorpe. They are forecast to affect Beaudesert and Aratula by 6:45 pm and Rathdowney and Canungra by 7:15 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Rainfall rates of 60mm/hr and 40mm/30 min have been observed near Tenthill [southwest of Gatton]

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 7:15 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 7:09 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOGAN CITY, IPSWICH CITY and parts of the BRISBANE CITY, GOLD COAST CITY, LOCKYER VALLEY, SCENIC RIM, SOMERSET and REDLAND Council Areas.

Issued at 7:07 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 7:05 pm, very dangerous thunderstorm with intense rainfall was detected on weather radar near Amberley, Rosewood, Hatton Vale, Marburg and Harrisville. This thunderstorm is moving towards the northeast. This thunderstorm is forecast to affect Ipswich, Redbank Plains, Lowood and Fernvale by 7:35 pm and Beenleigh, Logan City, Enoggera Reservoir and Mount Nebo by 8:05 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Rainfall rates of 52mm in 30 minutes has been observed at Romani, SSE of Ipswich.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 8:05 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 7:26 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in the LOGAN CITY, IPSWICH CITY and parts of the BRISBANE CITY, LOCKYER VALLEY, MORETON BAY, SCENIC RIM and SOMERSET Council Areas.

Issued at 7:25 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 7:05 pm, very dangerous thunderstorms were detected on weather radar near Ipswich, Amberley, Rosewood and Marburg.

These thunderstorms are moving towards the north.

Very dangerous thunderstorms are forecast to affect Wacol, Lake Manchester, Lowood and Fernvale by 7:35 pm and Logan City, the area south of Esk, southern Lake Wivenhoe and the D'Aguilar Ranges by 8:05 pm.

Damaging winds, very heavy rainfall, flash flooding and large hailstones are likely.

Rainfall rates of 52mm in 30 minutes has been observed at Romani, SSE of Ipswich.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 8:25 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Central Highlands and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 7:39 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

PRIORITY
PRELIMINARY FLOOD WARNING FOR THE LOCKYER, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER Issued at 7:38 PM on Wednesday the 19th of January 2011 by the Bureau of Meteorology, Brisbane.

Thunderstorms during Wednesday afternoon and early evening are producing isolated rainfall rates of up to 65mm an hour across some of the tributaries of the Lockyer and Warrill Creeks and the Bremer River, which may result in flash flooding to some of these smaller creeks and streams during Wednesday evening.
Fast stream rises have been observed in Tenthill Creek and in Western Creek.

The thunderstorm bas become fast moving and is currently approaching the Ipswich area. Very heavy rainfall rates have also been observed in the Teviot Brook in the Logan catchment.

Next Issue:
The next warning will be issued at about 8:30pm Wednesday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.92m	rising	06:30 PM WED 19/01/11
Laidley Ck at Showground Weir #	4.86m	rising	06:43 PM WED 19/01/11
Laidley Ck at Warrego Hwy *	1.95m	falling	06:00 PM WED 19/01/11
Lockyer Ck at Glenore Grove #	4.78m	rising	07:03 PM WED 19/01/11
Lockyer Ck at Rifle Range Rd *	6m	falling	05:40 PM WED 19/01/11
Brisbane R at Savages Crossing *	4.14m	falling	05:30 PM WED 19/01/11
Bremer R at Rosewood #	2.06m	rising	07:08 PM WED 19/01/11
Bremer R at Walloon DERM *	2.35m	steady	06:00 PM WED 19/01/11
Warrill Ck at Amberley DNR *	3.49m	falling	05:40 PM WED 19/01/11
Bremer R at Ipswich #	1.75m	falling	07:08 PM WED 19/01/11
Brisbane R at Moggill #	1.12m	falling	07:13 PM WED 19/01/11
Brisbane R at Jindalee Br #	0.75m	rising	07:13 PM WED 19/01/11
Brisbane R at City Gauge #	0.5m	rising	07:05 PM WED 19/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 8:05 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and FLASH FLOODING For people in the BRISBANE CITY, MORETON BAY and parts of the IPSWICH CITY and SOMERSET Council Areas.

Issued at 8:03 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 8:05 pm, severe thunderstorms were detected on weather radar near Enoggera Reservoir, Mount Nebo, Highvale, Samford and Wacol.

These thunderstorms are moving towards the north to northeast.

They are forecast to affect Albany Creek, the D'Aguilar Ranges, Lake Samsonvale and Dayboro by 8:35 pm and Brisbane CBD, Strathpine, Burpengary and Mount Mee by 9:05 pm.

Damaging winds, very heavy rainfall and flash flooding are likely.

Rainfall rates of 52mm in 30 minutes has been observed at Romani, SSE of Ipswich.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 9:05 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 8:36 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND and FLASH FLOODING For people in the MORETON BAY and parts of the BRISBANE CITY, SUNSHINE COAST and SOMERSET Council Areas.

Issued at 8:35 pm Wednesday, 19 January 2011.

The Bureau of Meteorology warns that, at 8:35 pm, a severe thunderstorm is detected on weather radar near Strathpine, Kallangur, Narangba and Dayboro. This thunderstorm is moving towards the northeast. This thunderstorm is forecast to affect Redcliffe, Caboolture, Mount Mee and Wamuran by 9:05 pm and Deception Bay waters, Bribie Island, Beerburrum and Woodford by 9:35 pm.

Damaging winds, very heavy rainfall and flash flooding are likely.

Emergency Management Queensland advises that people should:
* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 9:35 pm.

A more general severe thunderstorm warning is also current for the Wide Bay and Burnett, Southeast Coast and parts of the Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 8:40 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOCKYER, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER Issued at 8:39 PM on Wednesday the 19th of January 2011 by the Bureau of Meteorology, Brisbane.

Rainfall totals of between 30mm to 60mm have been recorded during the 3 hours to 8:30pm Wednesday, with the thunderstorms currently in the Brisbane City and Northern Suburbs and in the Strathpine areas. Streams rises and some minor flooding is expected during this evening in the tributaries of the Lockyer and Warrill Creeks and the Bremer River.

Strong rises and moderate flooding is occurring in Western Creek at Grandchester, with continued rises and major flooding expected. Fast stream rises are expected in the Ipswich and Brisbane Creeks, which may result in some minor flooding during this evening.

Next Issue:
The next warning will be issued at about 10:30pm Wednesday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.81m	falling	07:20	PM WED	19/01/11
Laidley Ck at Showground Weir #	5.12m	rising	08:19	PM WED	19/01/11
Laidley Ck at Warrego Hwy *	1.95m	steady	07:00	PM WED	19/01/11
Lockyer Ck at Glenore Grove #	4.78m	rising	07:03	PM WED	19/01/11
Lockyer Ck at Rifle Range Rd *	6m	falling	05:40	PM WED	19/01/11
Brisbane R at Savages Crossing *	4.14m	falling	05:30	PM WED	19/01/11
Bremer R at Rosewood #	2.22m	rising	08:26	PM WED	19/01/11
Bremer R at Walloon DERM *	2.34m	steady	07:00	PM WED	19/01/11
Warrill Ck at Amberley DNR *	3.49m	falling	05:40	PM WED	19/01/11
Bremer R at Ipswich #	1.6m	steady	08:26	PM WED	19/01/11
Brisbane R at Moggill #	1.02m	falling	07:49	PM WED	19/01/11
Brisbane R at Jindalee Br #	1.1m	rising	08:22	PM WED	19/01/11
Brisbane R at City Gauge #	0.86m	rising	07:59	PM WED	19/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 9:14 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 9:12 pm Wednesday, 19 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe].

The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

A more general severe thunderstorm warning remains current for the Wide Bay and Burnett, Southeast Coast and parts of the Central Highlands and Coalfields, Capricornia and Darling Downs and Granite Belt districts.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 10:41 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOCKYER, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER Issued at 10:40 PM on Wednesday the 19th of January 2011 by the Bureau of Meteorology, Brisbane.

Widespread rainfall totals of between 30mm to 60mm have been recorded with the thunderstorms during Wednesday afternoon and early evening. Streams rises are being recorded during this Wednesday evening along Lockyer and Warrill Creeks and the Bremer River.

Moderate flooding is rising fast in Laidley Creek at Showground Weir, with moderate flood levels easing in Western Creek at Grandchester. Stream rises are also being recorded in some of the Ipswich and Brisbane Creeks, including Oxley and Deebing Creek, and in Cabbage Tree and Downfall Creeks and Kedron Brook.

Streams levels are expected to slowly ease overnight.

Next Issue:
The next warning will be issued at about 9am Thursday, or earlier if the situation deteriorates.

Latest River Heights:

Tenthill Ck at Tenthill *	2.61m	falling	09:00	PM WED	19/01/11
Laidley Ck at Showground Weir #	7.2m	rising	10:19	PM WED	19/01/11
Laidley Ck at Warrego Hwy *	2.6m	rising	09:30	PM WED	19/01/11
Lockyer Ck at Glenore Grove #	4.86m	rising	10:19	PM WED	19/01/11
Lockyer Ck at Rifle Range Rd *	6.39m	rising	08:40	PM WED	19/01/11
Brisbane R at Savages Crossing *	4.25m	rising	08:30	PM WED	19/01/11
Western Ck at Grandchester #	4.23m	falling	10:19	PM WED	19/01/11
Bremer R at Five Mile Br Walloon #	2.58m	rising	10:17	PM WED	19/01/11
Bremer R at Rosewood #	2.3m	rising	10:05	PM WED	19/01/11
Bremer R at Walloon DERM *	2.89m	rising	09:30	PM WED	19/01/11
Warrill Ck at Amberley DNR *	3.65m	rising	08:40	PM WED	19/01/11
Bremer R at Ipswich #	1.65m	rising	10:15	PM WED	19/01/11
Brisbane R at Moggill #	1.32m	steady	10:15	PM WED	19/01/11
Brisbane R at Jindalee Br #	1.5m	steady	10:07	PM WED	19/01/11
Brisbane R at City Gauge #	1.15m	falling	10:02	PM WED	19/01/11

*,# denotes automatic stations.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 10:54 PM
To: [redacted]

Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 10:53 PM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE FLINDERS RIVER FLOOD WARNING FOR THE LOCKYER, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in Magnificent Creek at Kowanyama Airport. Minor flooding continues along the Norman River between Yappar River and Normanton.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Stanthorpe Area: Minor flooding is occurring in Quart Pot Creek.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Logan River: Minor flooding rising between Rathdowney and Round Mountain.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to ease in the lower Dawson River between Beckers and Knebworth.

Don River: Minor flooding easing between Mt Dangar and Reeves. Minor flood peak expected overnight at Bowen Pump Station.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in the Belyando and Bogie Rivers.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 11:34 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOCKYER, LAIDLEY, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER Issued at 11:33 PM on Wednesday the 19th of January 2011 by the Bureau of Meteorology, Brisbane.

Widespread rainfall totals of between 30mm to 80mm have been recorded with the thunderstorms during Wednesday afternoon and early evening. Fast streams rises are being recorded during Wednesday evening along Lockyer and Warrill Creeks and the Brsmer River.

Major flooding is occurring in Laidley Creek, with minor flooding expected downstream along Lockyer Creek overnight. Minor flood levels are easing in Western Creek at Grandchester, with minor flooding expected downstream at Rosewood. Creek rises and minor flooding is expected overnight in Warrill Creek at Amberley.

Stream rises and some minor flooding are also being recorded in some of the Ipswich and Brisbane Creeks, including Oxley, Woogaroo, Stable Swamp and Deebing Creeks, and in Cabbage Tree and Downfall Creeks and Kedron Brook.

Streams levels are expected to slowly ease overnight.

Next Issue:
The next warning will be issued at about 9am Thursday, or earlier if the situation deteriorates.

Latest River Heights:

Tenthill Ck at Tenthill *	2.64m	rising	10:00 PM WED 19/01/11
Laidley Ck at Laidley	7.6m	rising	10:30 PM WED 19/01/11
Laidley Ck at Showground Weir #	8.22m	rising	11:10 PM WED 19/01/11
Laidley Ck at Warrego Hwy *	2.97m	rising	10:30 PM WED 19/01/11
Lockyer Ck at Glenore Grove #	5.08m	rising	11:11 PM WED 19/01/11
Lockyer Ck at Rifle Range Rd *	6.39m	rising	08:40 PM WED 19/01/11
Brisbane R at Savages Crossing *	4.25m	rising	08:30 PM WED 19/01/11
Western Ck at Grandchester #	3.28m	falling	11:13 PM WED 19/01/11
Bremer R at Five Mile Br Walloon #	2.8m	rising	11:05 PM WED 19/01/11
Bremer R at Rosewood #	2.44m	rising	11:11 PM WED 19/01/11
Bremer R at Walloon DERM *	3.5m	rising	10:30 PM WED 19/01/11
Warrill Ck at Amberley DNR *	3.65m	rising	08:40 PM WED 19/01/11
Bremer R at Ipswich #	1.9m	rising	11:06 PM WED 19/01/11
Brisbane R at Moggill #	1.37m	rising	10:22 PM WED 19/01/11
Brisbane R at Jindalee Br #	1.45m	falling	11:01 PM WED 19/01/11
Brisbane R at City Gauge #	0.86m	falling	11:11 PM WED 19/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Wednesday, 19 January 2011 11:44 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 11:43 PM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FLINDERS RIVER FLOOD WARNING FOR THE LOCKYER, LAIDLEY, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in Magnificent Creek at Kowanyama Airport. Minor flooding continues along the Norman River between Yappar River and Normanton.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Stanthorpe Area: Minor flooding is occurring in Quart Pot Creek.

Logan River: Minor flooding rising between Rathdowney and Round Mountain.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Pine River: Minor flooding rising in the South Pine River at Drapers Crossing, with fast rises downstream at Cash's Crossing.

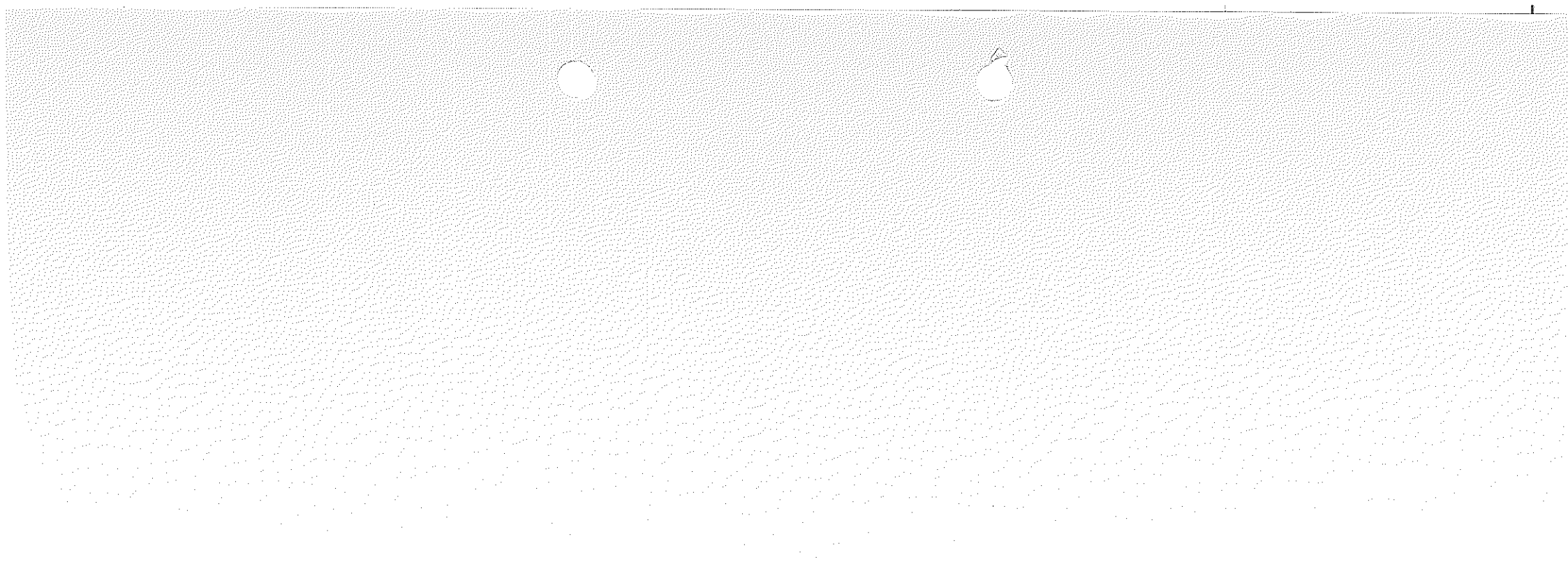
Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to ease in the lower Dawson River between Beckers and Knebworth.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in the Belyando and Bogie Rivers.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3621



Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 1:06 AM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOCKYER, LAIDLEY, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER Issued at 1:05 AM on Thursday the 20th of January 2011 by the Bureau of Meteorology, Brisbane.

Widespread rainfall totals of between 30mm to 80mm have been recorded with the thunderstorms during Wednesday afternoon and early evening. Fast streams rises are being recorded during Wednesday evening along Lockyer and Warrill Creeks and the Bremer River.

Major flooding is occurring in Laidley Creek, with minor to moderate flooding expected downstream along Lockyer Creek overnight. Minor flood levels are easing in Western Creek at Grandchester. Major flooding is occurring in the Bremer River at Spressers Bridge, with moderate flooding expected downstream between Rosewood and Walloon. Creek rises and minor flooding is expected overnight in Warrill Creek at Amberley. River levels further downstream in the Bremer River at Ipswich will remain well below minor flood level.

Stream rises and some minor flooding are also being recorded in some of the Ipswich and Brisbane Creeks, including Oxley, Woogaroo, Stable Swamp and Deebing Creeks, and in Cabbage Tree and Downfall Creeks and Kedron Brook.

Streams levels are expected to slowly ease overnight.

Next Issue:
The next warning will be issued at about 9am Thursday, or earlier if the situation deteriorates.

Latest River Heights:

Tenthill Ck at Tenthill *	2.66m	rising	11:00	PM WED	19/01/11
Laidley Ck at Laidley	7.6m	rising	10:30	PM WED	19/01/11
Laidley Ck at Showground Weir #	7.84m	falling	12:55	AM THU	20/01/11
Laidley Ck at Warrego Hwy *	3.22m	rising	11:40	PM WED	19/01/11
Lockyer Ck at Glenore Grove #	6.62m	rising	12:55	AM THU	20/01/11
Lockyer Ck at Rifle Range Rd *	6.88m	rising	11:40	PM WED	19/01/11
Brisbane R at Savagee Crossing *	4.39m	steady	11:00	PM WED	19/01/11
Western Ck at Grandchester #	2.23m	steady	12:54	AM THU	20/01/11
Bremer R at Five Mile Br Walloon #	2.98m	rising	12:29	AM THU	20/01/11
Bremer R at Rosewood #	3.62m	rising	12:53	AM THU	20/01/11
Bremer R at Walloon DERM *	3.65m	rising	11:00	PM WED	19/01/11
Warrill Ck at Amberley DNR *	4.55m	rising	11:40	PM WED	19/01/11
Bremer R at Ipswich #	1.9m	falling	12:32	AM THU	20/01/11
Brisbane R at Moggill #	1.17m	falling	12:52	AM THU	20/01/11
Brisbane R at Jindalee Br #	1.05m	falling	12:52	AM THU	20/01/11
Brisbane R at City Gauge #	0.16m	falling	12:47	AM THU	20/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 7:33 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 7:32 AM on Thursday the 20th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS FROM NOOSA TO THE NSW BORDER AND ADJACENT INLAND CATCHMENTS FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE COOPER CREEK FLOOD WARNING FOR THE DON RIVER FLOOD WARNING FOR THE FLINDERS RIVER FLOOD WARNING FOR THE LOCKYER, LAIDLEY, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Gregory River: Minor flooding at Gregory Downs.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3620

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 7:57 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER Issued at 7:56 AM on Thursday the 20th of January 2011 by the Bureau of Meteorology, Brisbane.

Major to minor flooding continues in the Lockyer Creek and Bremer River catchments.

Lockyer Creek catchment:
Moderate flood levels continue along Laidley Creek with the flood peak currently in the Warrego Highway area. Levels are expected to peak this morning. Along Lockyer Creek, minor flooding has peaked at Glenore Grove and is rising at Lyons Bridge with a minor flood peak expected during today.

Bremer River:
Major flooding continues at Spressers Bridge with moderate flooding downstream at Rosewood. A moderate flood peak is expected at Walloon later today.

Warrill Creek:
Minor flooding at Amberley is easing.

Next Issue:
The next warning will be issued at about 3pm Thursday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.24m	falling	06:00	AM THU	20/01/11
Laidley Ck at Laidley	7.6m	rising	10:30	PM WED	19/01/11
Laidley Ck at Showground Weir #	5.14m	falling	06:55	AM THU	20/01/11
Laidley Ck at Warrego Hwy *	5.29m	rising	06:00	AM THU	20/01/11
Lockyer Ck at Glenore Grove #	8.32m	falling	07:35	AM THU	20/01/11
Lockyer Ck at Rifle Range Rd *	8.44m	rising	06:10	AM THU	20/01/11
Brisbane R at Savages Crossing *	4.25m	falling	06:00	AM THU	20/01/11
Western Ck at Grandchester #	1.13m	falling	07:19	AM THU	20/01/11
Bremer R at Five Mile Br Walloon #	5.5m	rising	07:35	AM THU	20/01/11
Bremer R at Rosewood #	5.36m	falling	07:32	AM THU	20/01/11
Bremer R at Walloon DERM *	5.33m	rising	06:30	AM THU	20/01/11
Warrill Ck at Amberley DNR *	5.51m	falling	06:10	AM THU	20/01/11
Bremer R at Ipswich #	1.95m	rising	07:29	AM THU	20/01/11
Brisbane R at Moggill #	0.27m	rising	07:34	AM THU	20/01/11
Brisbane R at Jindalee Br #	0.75m	rising	07:34	AM THU	20/01/11
Brisbane R at City Gauge #	0.95m	rising	07:32	AM THU	20/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 9:46 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 9:46 AM on Thursday the 20th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS FROM NOOSA TO THE NSW BORDER AND ADJACENT INLAND CATCHMENTS FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FLINDERS RIVER FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Gregory River: Minor flooding at Gregory Downs.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3619

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 11:55 AM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in the LOGAN CITY and parts of the BRISBANE CITY, GOLD COAST CITY, IPSWICH CITY and SCENIC RIM Council Areas.

Issued at 11:53 am Thursday, 20 January 2011.

Severe thunderstorms are likely to produce very heavy rainfall and flash flooding in the warning area over the next several hours.

Locations which may be affected

include Ipswich, Beaudesert and the area between Boonah and Beaudesert.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 12:55 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 12:54 PM
To: [redacted]

Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in the LOGAN CITY, IPSWICH CITY and parts of the BRISBANE CITY, SCENIC RIM and SOMERSET Council Areas.

Issued at 12:53 pm Thursday, 20 January 2011.

Severe thunderstorms are likely to produce very heavy rainfall and could possibly cause localised flash flooding in the warning area over the next several hours.

Locations which may be affected include Ipswich.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 1:55 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 1:50 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in parts of the BRISBANE CITY, MORETON BAY and SOMERSET Council Areas.

Issued at 1:49 pm Thursday, 20 January 2011.

The Bureau of Meteorology warns that, at 1:55 pm, severe thunderstorms were detected on weather radar near Upper Brookfield.

These thunderstorms are slow moving.

They are forecast to affect Highvale and Samford by 2:25 pm.

Very heavy rainfall and flash flooding are likely.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 2:50 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 2:19 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 2:18 PM on Thursday the 20th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER FLOOD WARNING FLINDERS RIVER FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Gregory River: Minor flooding at Gregory Downs.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah.

Mary River: Minor flooding easing along Six Mile Creek.

Logan Catchment: Minor flooding at Round Mountain is easing

Maroochy River: Minor flood levels are falling at Eumundi and continuing along Paynter Creek at Diddillibah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3618

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 2:24 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 2:23 pm Thursday, 20 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe]. The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

ICC.005.3714

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 2:55 PM
To: [redacted]

Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER Issued at 2:54 PM on Thursday the 20th of January 2011 by the Bureau of Meteorology, Brisbane.

Moderate to minor flooding continues to ease in the Lockyer Creek and Bremer River catchments.

Lockyer Creek catchment:
Minor flooding continues along Lockyer Creek with the flood peak currently in the Lyons Bridge area. Levels will fall gradually overnight and during Friday.

Bremer River:
Moderate flooding is easing at Spressers Bridge and at Rosewood. A moderate flood peak is currently in the Walloon area. Levels will fall gradually overnight and during Friday.

Next Issue:
The next warning will be issued by 9am Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.16m	steady	11:00 AM THU 20/01/11
Laidley Ck at Laidley	7.6m	rising	10:30 PM WED 19/01/11
Laidley Ck at Showground Weir #	5m	falling	02:28 PM THU 20/01/11
Laidley Ck at Warrego Hwy *	4.62m	falling	01:00 PM THU 20/01/11
Lockyer Ck at Glenore Grove #	6.46m	falling	02:37 PM THU 20/01/11
Lockyer Ck at Rifle Range Rd *	10.84m	rising	11:40 AM THU 20/01/11
Brisbane R at Savages Crossing *	4.18m	falling	11:40 AM THU 20/01/11
Western Ck at Grandchester #	0.73m	falling	02:07 PM THU 20/01/11
Bremer R at Five Mile Br Walloon #	4.92m	falling	02:35 PM THU 20/01/11
Bremer R at Rosewood #	4.44m	falling	02:32 PM THU 20/01/11
Bremer R at Walloon DERM *	6.55m	falling	01:00 PM THU 20/01/11
Warrill Ck at Amberley DNR *	4.83m	falling	11:40 AM THU 20/01/11
Bremer R at Ipswich #	4.45m	rising	02:28 PM THU 20/01/11
Brisbane R at Moggill #	1.82m	falling	02:37 PM THU 20/01/11
Brisbane R at Jindalee Br #	1.4m	falling	02:34 PM THU 20/01/11
Brisbane R at City Gauge #	0.16m	falling	02:29 PM THU 20/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 3:54 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for FLASH FLOODING For people in parts of the LOCKYER VALLEY, IPSWICH CITY and SCENIC RIM Council Areas.

Issued at 3:53 pm Thursday, 20 January 2011.

The Bureau of Meteorology warns that, at 3:55 pm, severe thunderstorms were detected on weather radar near Aratula.

They are forecast to affect Rosevale by 4:25 pm.

Very heavy rainfall and flash flooding are likely.

Emergency Management Queensland advises that people should:
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 4:55 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 4:32 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 4:30 pm Thursday, 20 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe].

The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 4:49 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND for DAMAGING WIND, FLASH FLOODING and LARGE HAILSTONES For people in parts of the LOCKYER VALLEY, SOMERSET and TOOWOOMBA Council Areas.

Issued at 4:47 pm Thursday, 20 January 2011.

The Bureau of Meteorology warns that, at 4:45 pm, severe thunderstorms were detected on weather radar near the area north of Gatton. Damaging winds, very heavy rainfall, flash flooding and large hailstones are possible.

Emergency Management Queensland advises that people should:

* Move your car under cover or away from trees.
* Secure loose outdoor items.
* Avoid driving, walking or riding through flood waters.
* Seek shelter, preferably indoors and never under trees.
* Avoid using the telephone during a thunderstorm.
* Beware of fallen trees and powerlines.
* For emergency assistance contact the SES on 132 500.

The next warning is due to be issued by 5:50 pm.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 5:11 PM
To: [redacted]
Subject: BOM: Severe Thunderstorm Warning - SE Qld 1 [SEC=UNCLASSIFIED]

IDQ20038
Bureau of Meteorology
Queensland Regional Office

TOP PRIORITY FOR IMMEDIATE BROADCAST

CANCELLATION SEVERE THUNDERSTORM WARNING - SOUTHEAST QUEENSLAND

Issued at 5:10 pm Thursday, 20 January 2011.

Severe thunderstorms are no longer affecting the Southeast Queensland area [east of Dalby from Rainbow Beach to Stanthorpe]. The immediate threat of severe thunderstorms has passed, but the situation will continue to be monitored and further warnings will be issued if necessary.

Emergency Management Queensland advises that people should:
* Beware of fallen trees and powerlines.
* Avoid driving, walking or riding through flood waters.
* For emergency assistance contact the SES on 132 500.

Warnings are also available through TV and Radio broadcasts, the Bureau's website at www.bom.gov.au or call 1300 659 219. The Bureau and Emergency Management Queensland would appreciate warnings being broadcast regularly.

Daryl Hickey

From: Alfs Operational Manager [redacted]
Sent: Thursday, 20 January 2011 5:55 PM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER Issued at 5:55 PM on Thursday the 20th of January 2011 by the Bureau of Meteorology, Brisbane.

Moderate to minor flooding continues to ease in the Lockyer Creek and Bremer River catchments.

Kholo Creek:
Very Fast rises have been reported to the Bureau along Kholo Creek upstream of the Karalee area in the last hour.

Lockyer Creek catchment:
Minor flooding continues along Lockyer Creek with the flood peak currently in the Lyons Bridge area. Levels will fall gradually overnight and during Friday.

Bremer River:
Moderate flooding is easing at Spressers Bridge and at Rosewood. A moderate flood peak is currently in the Walloon area. Levels will fall gradually overnight and during Friday.

Next Issue:
The next warning will be issued by 9am Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.12m steady	04:00 PM THU	20/01/11
Laidley Ck at Laidley	7.6m rising	10:30 PM WED	19/01/11
Laidley Ck at Showground Weir #	4.96m falling	05:13 PM THU	20/01/11
Laidley Ck at Warrego Hwy *	4.42m falling	04:00 PM THU	20/01/11
Lockyer Ck at Glenore Grove #	6m falling	05:33 PM THU	20/01/11
Lockyer Ck at Rifle Range Rd *	10.7m falling	02:40 PM THU	20/01/11
Brisbane R at Savages Crossing *	4.12m rising	02:30 PM THU	20/01/11
Western Ck at Grandchester #	0.63m falling	04:28 PM THU	20/01/11
Bremer R at Five Mile Br Walloon #	4.24m falling	05:38 PM THU	20/01/11
Bremer R at Rosewood #	4.12m falling	05:29 PM THU	20/01/11
Bremer R at Walloon DBRM *	5.95m falling	04:00 PM THU	20/01/11
Warrill Ck at Amberley DNR *	4.61m falling	02:30 PM THU	20/01/11
Bremer R at Ipswich #	4.2m falling	05:29 PM THU	20/01/11
Brisbane R at Moggill #	1.12m falling	05:28 PM THU	20/01/11
Brisbane R at Jindalee Br #	0.6m falling	05:28 PM THU	20/01/11
Brisbane R at City Gauge #	-0.55m falling	04:47 PM THU	20/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.



Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 21 January 2011 6:51 AM
To: [redacted]
Subject: BOM: FLDWARN for Lower Brisbane and Bremer Rs [SEC=UNCLASSIFIED]

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology Queensland

FINAL FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER Issued at 6:50 AM on Friday the 21st of January 2011 by the Bureau of Meteorology, Brisbane.

Flood levels in the Bremer and Lockyer catchments are now below minor.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Tenthill Ck at Tenthill *	2.05m	steady	05:00 AM FRI 21/01/11
Laidley Ck at Showground Weir #	4.88m	falling	06:13 AM FRI 21/01/11
Laidley Ck at Warrego Hwy *	3.8m	falling	05:00 AM FRI 21/01/11
Lockyer Ck at Glenore Grove #	5.06m	falling	06:01 AM FRI 21/01/11
Lockyer Ck at Rifle Range Rd *	7.96m	falling	05:40 AM FRI 21/01/11
Brisbane R at Savages Crossing *	4.22m	falling	05:20 AM FRI 21/01/11
Western Ck at Grandchester #	0.48m	steady	03:54 AM FRI 21/01/11
Bremer R at Five Mile Br Walloon #	3.06m	falling	06:44 AM FRI 21/01/11
Bremer R at Rosewood #	3.18m	falling	06:44 AM FRI 21/01/11
Bremer R at Walloon DERM *	4.18m	falling	05:00 AM FRI 21/01/11
Warrill Ck at Amberley DNR *	3.74m	steady	05:00 AM FRI 21/01/11
Bremer R at Ipswich #	1.6m	falling	06:27 AM FRI 21/01/11
Brisbane R at Moggill #	0.02m	falling	06:43 AM FRI 21/01/11
Brisbane R at Jindalee Br #	-0.05m	falling	05:52 AM FRI 21/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 21 January 2011 8:45 AM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 8:44 AM on Friday the 21st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER FLOOD WARNING FOR THE GULF RIVERS

Additional information:
Other flooding includes:

Herbert River: Minor flooding is rising at Nash's Crossing.

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Burnett River: Minor flooding is rising along the upper Burnett at Wuruma Dam and Eidsvold. Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Gregory River: Minor flooding at Gregory Downs.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah and Durham Downs.

Maroochy River: Minor flood levels are rising along Doonan Creek.

Mooloolah River: Minor flooding at Jordan Street.

Dawson River: Minor flood levels are rising between Woodleigh and Beckers. Flood levels are expected to remain minor.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

ICC.005.3617

Daryl Hickey

From: Aifs Operational Manager [redacted]
Sent: Friday, 21 January 2011 4:56 PM
To: [redacted]
Subject: BOM: Queensland Flood Warning Summary [SEC=UNCLASSIFIED]

IDQ20885

Australian Government Bureau of Meteorology Queensland

Flood Summary
Issued at 4:55 PM on Friday the 21st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM FLOOD WARNING FOR THE GULF RIVERS FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Herbert River: Minor flooding is rising at Nash's Crossing.

Mitchell River: Moderate flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Burnett River: Minor flooding is rising along the upper Burnett at Wuruma Dam and Eidsvold. Minor flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah and Durham Downs.

Maroochy River: Minor flood levels are rising along Paynter Creek.

Mooloolah River: Minor flooding at Jordan Street is easing.

Dawson River: Minor flood levels are rising between Moura and Beckers and falling at Woodleigh. Flood levels are expected to remain minor.

Georgina River: Minor flooding at Urandangi is steady.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

SEQ UPDATE EMAILS		
No.	**Date.**	**Description**
1.	8:14am 06-Jan-11	Email from Duty Engineer re Situation Report 1800 06/01/2011
2.	2:54pm 6-Jan-11	Email from Duty Engineer re Situation Report 1500 06/02/2011
3.	5:33pm 06-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1800 06/01/2011 (ENG – T. Trace)
4.	6:07am 07-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0600 07/01/2011 (ENG – T. Trace)
5.	12:15pm 07-Jan-11	Email from Duty Engineer re Situation Report
6.	3:28pm 07-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Wivenhoe Operations (ENG – T. Trace)
7.	5:57pm 07-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1800 07/01/2011 (ENG – T. Trace)
8.	6:59pm 07-Jan-11	Email from Duty Engineer re SitRep Clarification
9.	6:32am 08-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 0600 08/01/2011 (ENG – T. Trace)
10.	12:16pm 08-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1200 08/01/2011 (ENG – T. Trace)
11.	2:22pm 08-Jan-11	Email from Duty Engineer re Seqwater Situation Report at 12:00 on Saturday 8 January 2011
12.	5:53pm 08-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1800 08/01/2011 (ENG – T. Trace)
13.	6:15am 09-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0600 09/01/2011 (ENG – T. Trace)

14.	5:51pm 09-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1700 09/01/2011 (ENG – T. Trace)
15.	9:04pm 09-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 2100 09/01/2011 (ENG – T. Trace)
16.	1:01am 10-Jan-11	Email trail between Duty Engineer at UQ and T. Trace of Council re Situation Report 2100 9/01/2011
17.	1:14am 10-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0100 10/01/2011 (ENG – T. Trace)
18.	6:30am 10-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0600 10/01/2011 (ENG – T. Trace)
19.	12:16pm 10-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 1200 10/01/2011 (ENG – T. Trace)
20.	2:58pm 10-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 1200 10/01/2011 (ENG – T. Trace)
21.	6:43pm 10-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 1800 10/01/2011 (ENG – T. Trace)
22.	11:56pm 10-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0000 11/01/2011 (ENG – T. Trace)
23	6:12am 11-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0600 11/01/2011 (ENG – T. Trace)
24.	12:11pm 11-Jan-11	Email from Duty Engineer re SitRep 1200 11/1/2011
25.	6:00pm 11-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 1800 11/01/2011 (ENG – T. Trace)
26.	5:49am 12-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 0600 12/01/2011 (ENG – T. Trace)
27.	7:57am 12-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 0800 12/01/2011 (ENG – T. Trace)

28.	3:17pm 12-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1500 12/01/2011 (ENG – T. Trace)
29.	5:57 PM 12-Jan-11	Email from Duty Engineer re Situation Report 1800 Wed 12/01/2011
30.	5:45am 13-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 0600 13/01/2011 (ENG – T. Trace)
31.	6:43pm 13-Jan-11	Email from Duty Engineer re Situation Report 1830 13 January 2011
32.	5:35am 14-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0600 14/01/2011 (ENG – T. Trace)
33.	5:45am 14-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0600 14/01/2011 (ENG – T. Trace)
34.	6:36am 15-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 0630 15/01/2011 (ENG – T. Trace)
35.	6:09am 16-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 0600 16/01/2011 (ENG – T. Trace)
36.	4:56pm 17-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1700 16/01/2011 (ENG – T. Trace)
37.	6:17am 18-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 0615 18/01/2011 (ENG – T. Trace)
38.	5:40pm 18-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1800 18/01/2011 (ENG – T. Trace)
39.	5:28am 19-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0600 19/01/2011 (ENG – T. Trace)
40.	1:45pm 19-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1345 19/01/2011 (ENG – T. Trace)
41.	9:24am 20-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0930 20/01/2011 (ENG – T. Trace)

42.	9:45am 20-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re FOC Situation Report 0930 20/01/2011 (ENG – T. Trace)
43.	3:07pm 20-Jan-11	Email from Duty Engineer at UQ to T. Trace of Council re Situation Report 1500 20/01/2011 (ENG – T. Trace)

Hutchinson, Michelle

From: Duty Engineer [redacted]

Sent: Thursday, 6 January 2011 2:54 PM

To: [redacted]

Cc: Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi

Subject: Situation Report 1500 06/02/2011

Rainfall

In the 6 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the Somerset and Wivenhoe catchments. Totals in the North Pine catchment have generally been between 20 and 30mm. Falls between 20 and 30mm were recorded in the Leslie Harrison catchment.

The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Qld.

The catchments remain wet and are likely to generate additional runoff in the event of rain.

North Pine Dam

At 1400 Thursday, North Pine Dam was 39.66m, 0.01m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Youngs Crossing. MBRC have been advised and will confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfall during Friday, gate operations may continue into Saturday.

Somerset Dam

At 0700 Thursday, Somerset Dam was 99.34m, 0.34m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck, adding to the Somerset inflows. Further regulator/sluice operations will be required in the next 24 to 48 hours. The estimated event inflow volume into Somerset Dam is 50,000ML.

Wivenhoe Dam

At 0700 Thursday, Wivenhoe Dam was 67.31m and rising slowly. This is 0.31m above FSL and above the gate trigger level of 67.25m. There have been rises recorded at rivers and stream upstream of Wivenhoe Dam. The estimated event inflow volume into Wivenhoe Dam is 180,000ML including Somerset Dam outflow.

There has been significant rainfalls in the Lockyer Ck catchment since 0900 Thursday and a peak of about 600m3/s is expected from the Lockyer late Friday. Wivenhoe gates will be opened after flood levels in the lower Lockyer subside. At this stage Wivenhoe releases during Saturday may be as high as 1,500m3/s and continue for a couple of days.

Impacts of Wivenhoe Dam Releases

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the potential for gate operations during the next 24 hours.

The will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days. The relatively high Lockyer flows will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days and may impact upon Burtons Bridge early Saturday. At this stage, there are not expected to be any adverse impacts upon Fernvale Bridge or Mt Crosby Weir Bridge.

Leslie Harrison Dam

Following the heavy rainfall Wednesday night, gate operations commenced at Leslie Harrison Dam late Wednesday night and are continuing. Given the forecast rainfall, gate operations are expected to continue for the next 24 to 48 hours.

The next situation report will be issued at 1800 Thursday 6/1/2011.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Thursday, 6 January 2011 5:33 PM
To: [redacted]
Subject: Situation Report 1800 06/01/2011

Rainfall

In the 8 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the Somerset and Wivenhoe catchments. There have been significant rainfalls in the Lockyer Ck catchment in the last 24 hours with widespread falls of 50mm and isolated falls up to 75mm. Totals in the North Pine catchment have generally been about 30mm. Falls between 20 and 30mm were recorded in the Leslie Harrison catchment.

The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Qld.

North Pine Dam

At 1700 Thursday, North Pine Dam was 39.68m, 0.03m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Youngs Crossing. Moreton Bay Regional Council has been advised and will confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfall during Friday, gate operations may continue into Saturday.

Somerset Dam

At 1700 Thursday, Somerset Dam was 99.45m, 0.45m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck, adding to the Somerset inflows. Further regulator/sluice operations will be required in the next 24 to 48 hours. The estimated event inflow volume into Somerset Dam is 50,000ML.

Wivenhoe Dam

At 1700 Thursday, Wivenhoe Dam was 67.39m and rising slowly. This is 0.39m above FSL and above the gate trigger level of 67.25m. Upstream of the dam river levels are still rising at the Linville and Gregors Ck gauges. The estimated event inflow volume into Wivenhoe Dam is 180,000ML including Somerset Dam outflow.

A peak of about 600m3/s is expected from the Lockyer late Friday. At this stage there is some uncertainty associated with this estimate and it may or may not impact Burtons Bridge. Wivenhoe gates will be opened after the impact of Lockyer flows on Burtons Bridge has been ascertained and flood levels in the lower Lockyer subside. At this stage Wivenhoe releases will commence late Friday/early Saturday and may be as high as 1,500m3/s, similar to recent events, and continue for a couple of days.

Impacts of Downstream of Wivenhoe

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the potential for gate operations during the next 24 hours.

The relatively high Lockyer flows will adversely impact upon Twin Bridges, Savages Crossing, Kholo Bridge

and Colleges Crossing for several days and may impact upon Burtons Bridge early Saturday. At this stage, there are not expected to be any adverse impacts upon Fernvale Bridge or Mt Crosby Weir Bridge.

Leslie Harrison Dam

Following the heavy rainfall Wednesday night, gate operations commenced at Leslie Harrison Dam late Wednesday night and are continuing. Given the forecast rainfall, gate operations are expected to continue for the next 24 to 48 hours.

The next situation report will be issued at 0600 Friday 7/1/2011.

Terry Malone

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Friday, 7 January 2011 6:07 AM

To: [redacted]

Cc: Chris Lavin; Craig Logan; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Tony Trace; Deb Chandler; Mailbox

Subject: FOC Situation Report at 06:00 on Friday 7 January 2011

Rainfall

There have been general totals around 30 to 50 mm with isolated heavy falls up to 75mm in the Somerset and Wivenhoe catchments since the event commenced on Wednesday 5 January 2011. There have been significant rainfalls in the Lockyer Ck catchment in the last 72 hours with widespread falls of 50mm and isolated falls up to 100mm.

Totals in the North Pine catchment have generally been about 35mm.

Falls between 20 and 30mm were recorded in the Leslie Harrison catchment.

The forecast for the next five days is for totals between 100 and 200mm in SE Qld. Given the saturated condition of the catchments further runoff will most likely be generated from this rainfall.

North Pine Dam

At 0600 Friday, North Pine Dam was at 39.48m, 0.12m below FSL. Gate operations commenced at 1915 on Thursday 6 January and are expected to continue until at least mid-day Friday 7 January when North Pine Dam is expected to be at 39.40m. These releases have impacted upon Youngs Crossing. Moreton Bay Regional Council was advised and they closed Youngs Crossing prior to gate operations commencing. Based upon the forecast rainfall, gate operations may continue into Saturday, but at this stage it is anticipated that gate operations will cease at around mid-day on Friday 7 January 2011.

Somerset Dam

At 0600 Friday, Somerset Dam was at 99.59m, 0.59m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the Upper Stanley but there have been significant rises in Kilcoy Creek, contributing to the Somerset inflows. Somerset Dam is currently releasing at a rate of 35 cumecs and further regulator/sluice operations will be required in the next 24 to 72 hours.

The estimated event inflow volume into Somerset Dam is around 50,000ML.

Wivenhoe Dam

At 0600 Friday, Wivenhoe Dam was at 67.64m and rising slowly. This is 0.64m above FSL and above the gate trigger level of 67.25m. Upstream of the dam river levels have peaked at the Linville and Gregors Ck gauges. The estimated event inflow volume into Wivenhoe Dam is 230,000ML including Somerset Dam outflow.

A peak of about 470 cumecs is expected from Lockyer Creek by mid-afternoon on Friday 7 January. At this stage there is some uncertainty associated with this estimate but it may be of sufficient magnitude to inundate Burtons Bridge.

Wivenhoe gate releases will occur after the impact of Lockyer flows on Burtons Bridge has been ascertained and flood levels in the lower Lockyer subside. It is proposed that Wivenhoe releases will commence late Friday/early Saturday and may be as high as 1,200 cumecs, (similar but slightly smaller to recent events), and the releases are expected to continue over the weekend though to Monday or Tuesday.

Impacts of Downstream of Wivenhoe

Somerset Regional Council, Ipswich City Council and Brisbane City Council have been advised of the potential for gate operations during the next 24 hours.

The relatively high Lockyer flows will adversely impact upon Twin Bridges, Savages Crossing, and Colleges Crossing for several days and may impact upon Burtons Bridge from Friday mid-day and Kholo Bridge later on Friday evening. At this stage, there are not expected to be any adverse impacts upon Fernvale Bridge or Mt Crosby Weir Bridge.

Leslie Harrison Dam

Following the heavy rainfall Wednesday night, gate operations commenced at Leslie Harrison Dam late Wednesday night and are continuing. Given the forecast rainfall, gate operations are expected to continue for the next 24 to 48 hours.

The next situation report will be issued at 1800 Friday 7 January 2011.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Friday, 7 January 2011 3:28 PM

To: Chris Lavin; Craig Logan; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Deb Chandler; Mailbox; Tony Trace

Cc: 'Rob Drury'; 'Mike Foster'; 'Paul Bird'

Subject: Wivenhoe Operations

Please be advised that the first gate was opened at Wivenhoe at 1500 Friday 7/1/2011 and more gates will be progressively opened during the next 24 hours.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Friday, 7 January 2011 5:57 PM

To: [redacted]

Subject: Situation Report 1800 Friday 07/01/2011

Rainfall

Since 0900 Friday, there has been widespread 20 to 40mm throughout North Pine, Somerset and Wivenhoe catchments with isolated higher totals of 70mm in the upper reaches of the Brisbane R.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday:	Rain light at times 15-50mm with higher falls along the coast
Sunday:	Widespread rain with totals between 50-100mm
Monday:	Widespread rain again with totals between 50-100mm
Tuesday:	Rain easing with totals between 25-50mm

Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday

North Pine (Full Supply Level 39.60 m AHD)

At 1700 Friday, North Pine currently has 5 gates open releasing runoff from rain on Wed/Thursday. Given the very high likelihood of significant runoff during the next 4 days, gates will be keep open to match inflows over the next few days, rather than opening and closing at various times with short notice. Youngs Crossing will remain adversely impacted for the duration of the gates being open. Moreton Bay Regional Council has been advised and concurs with this strategy.

Somerset (Full Supply Level 99.00 m AHD)

At 1700 Friday, Somerset Dam level was 100.04m AHD and rising steadily with one regulator open 100%. However, as the Wivenhoe headwater level is rising and may impact upon the operation of the regulator, this will be closed in the next few hours and a sluice gate opened. However, this strategy may need to be reviewed if significant runoff occurs in the Stanley and Upper Brisbane. Under circumstances of high inflows to Somerset and Wivenhoe, it is the usual practice to hold flood water in Somerset until there is a high level of confidence in the estimated inflows to Wivenhoe.

Since the commencement of the event on 02/01/2011, approximately 55,000ML has flowed into Somerset Dam with a further 25,000ML expected based on the recorded rainfall to date. Approximately 16,000ML has been released into Wivenhoe.

Wivenhoe (Full Supply Level 67.00 m AHD)

At 1700 Friday, Wivenhoe Dam was 68.10 m AHD and rising steadily with one gate open to 1.5 metres and releasing about 168m3/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam It is intended to ramp up the release from Wivenhoe to about 1,200m3/s during the next 18 hours. However, given the high likelihood of significant inflows in the next week, this may be increased later on the weekend.

Since the commencement of the event on 02/01/2011, approximately 140,000ML has flowed into Wivenhoe Dam with a further 160,000ML expected (including Somerset release) based on the recorded rainfall to date. Approximately 24,000ML has been released from Wivenhoe via the hydro and regulator at about 50m3/s.

Impacts downstream of Wivenhoe

The projected Wivenhoe release of 1,200m3/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected.

Discussions were held with Brisbane City Council and BoM with all agencies agreeing that the combined flow in the lower Brisbane R will only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane R will be 0.4 to 0.5 metres higher than predicted tides

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

Leslie Harrison

Given its proximity to the coast Leslie Harrison is likely to be most impacted by the forecast rain over the next 4 days.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]
Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Saturday, 8 January 2011 6:32 AM
To: [redacted]
Subject: Situation Report 0600 Saturday 08/01/2011

Rainfall

Since 0900 Friday, there has been widespread 20 to 40mm throughout North Pine, Somerset and Wivenhoe catchments with isolated higher totals of 70mm in the upper reaches of the Brisbane R. No significant rain has fallen in the past 12 hours.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday:	Rain light at times 5-50mm with higher falls along the coast
Sunday:	Widespread rain with totals between 50-100mm
Monday:	Widespread rain again with totals between 50-100mm
Tuesday:	Rain easing with totals between 25-50mm

Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday

North Pine (Full Supply Level 39.60 m AHD)

At 0600 Saturday, North Pine Lake Level was 39. 46 m AHD and slowly rising. Currently 3 gates are open to release runoff from rain on Wed/Thursday/Friday. Given the very high likelihood of significant runoff during the next 4 days, gates will be keep open to match inflows over the next few days, rather than opening and closing at various times with short notice. Youngs Crossing will remain adversely impacted for the duration of the gates being open. Moreton Bay Regional Council has been advised and concurs with this strategy.

Somerset (Full Supply Level 99.00 m AHD)

At 0500 Saturday, Somerset Dam level was 100.42m AHD and rising. The Dam is releasing into Wivenhoe through one open sluice gate. Water will be temporarily held in Somerset to allow the inflow from the upper Brisbane is passed through the system. However, this strategy may need to be reviewed if significant runoff occurs in the Stanley and Upper Brisbane. Under circumstances of high inflows to Somerset and Wivenhoe, it is the usual practice to hold flood water in Somerset until there is a high level of confidence in the estimated inflows to Wivenhoe.

Since the commencement of the event on 02/01/2011, approximately 85,000ML has flowed into Somerset Dam with a further 20,000ML expected based on the recorded rainfall to date. Approximately 25,000ML has been released into Wivenhoe.

Wivenhoe (Full Supply Level 67.00 m AHD)

At 0600 Saturday, Wivenhoe Dam was 68.45 m AHD and rising steadily with all five gates open and releasing about 890 m3/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam It is intended to ramp up the release from Wivenhoe to 1,200m3/s by midday Saturday 08/01/2011. Further assessments will be undertaken to determine increases above this level. However, given the high

likelihood of significant inflows in the next week, this may be increased.

Since the commencement of the event on 02/01/2011, approximately 200,000ML has flowed into Wivenhoe Dam (including Somerset releases) with a further 180,000ML expected based on the recorded rainfall to date. Approximately 50,000ML has been released from Wivenhoe via the hydro and regulator at about 50m3/s.

Impacts downstream of Wivenhoe

The projected Wivenhoe release of 1,200m3/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected but they could potentially be affected if the predicted rainfall totals eventuate.

The current available assessments indicate that the combined flow in the lower Brisbane R would only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane Rive. However, it is noted that tides in the lower Brisbane R will be 0.4 to 0.5 metres higher than predicted tides

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

John Ruffini
Duty Engineer
Flood Operations Centre

Phone: [redacted]
Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Saturday, 8 January 2011 12:16 PM

To: [redacted]

Cc: Deb Chandler; Mailbox; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Tony Trace

Subject: FOC Status Report at 12:00 on Saturday 8 January 2011

Rainfall

No significant rain has fallen over the dam catchments in the past 18 hours.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday:	Rain light at times 5-50mm with higher falls along the coast
Sunday:	Widespread rain with totals between 50-100mm
Monday:	Widespread rain again with totals between 50-100mm
Tuesday:	Rain easing with totals between 25-50mm

Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday.

North Pine (Full Supply Level 39.60 m AHD)

At 1200 Saturday, North Pine Lake Level was 39.46 m AHD and is steady. Currently 2 gates are open to release runoff generated from rainfall over the last three days. Given the very high likelihood of significant runoff during the next 4 days, gates will be kept open to match inflows over the next few days, rather than opening and closing at various times with short notice. Lake Kurwongbah spillway flows are also contributing to the adverse impacts experienced at Youngs Crossing.

Youngs Crossing will remain adversely impacted for the duration of the gates being open.

Moreton Bay Regional Council has been advised and concurs with this strategy.

Somerset (Full Supply Level 99.00 m AHD)

At 1000 Saturday, Somerset Dam level peaked at 100.47m AHD and is now slowly falling. At 1200 it is now 100.45m. Somerset Dam is releasing into Wivenhoe through two open sluice gates and over the fixed crest at a rate of about 415 m3/s.

Since the commencement of the event on 02/01/2011, approximately 91,000ML has flowed into Somerset Dam with a further 20,000ML expected based on the recorded rainfall to date. Approximately 29,000ML has been released into Wivenhoe.

Wivenhoe (Full Supply Level 67.00 m AHD)

At 1200 Saturday, Wivenhoe Dam was 68.60 m AHD and rising steadily with all five gates open and releasing about 1,150 m3/s. River levels upstream of Wivenhoe Dam have peaked and are now receding. However the further inflows into the dam has led to elevated levels It is intended to increase the release from Wivenhoe to 1,250 m3/s by 14:00 on Saturday 08/01/2011. This will maintain flows of up to 1,600 m3/s in the mid-

Brisbane River throughout the afternoon.

Further assessments will be undertaken to determine increases above this level given the high likelihood of significant inflows in the next few days. The interaction with runoff from the Bremer River and Warrill Creek catchment will also be assessed to determine an appropriate release strategy. Projections based upon the forecast rainfalls suggest flows of up to 1,200 m3/s will emanate from the Bremer River catchment.

Since the commencement of the event on 02/01/2011, approximately 202,000ML has flowed into Wivenhoe Dam (including Somerset releases) with a further 210,000ML expected based on the recorded rainfall to date. Approximately 66,000ML has been released from Wivenhoe via the radial gates, hydro and regulator.

Impacts downstream of Wivenhoe

The projected Wivenhoe release of 1,250m3/s and combined with Lockyer flows and local runoff will mean that all low level crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected, but they could potentially be affected if the predicted rainfall totals eventuate and higher releases from Wivenhoe Dam are considered necessary.

The current available assessments indicate that the combined flow in the lower Brisbane River would only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane R will be 0.4 to 0.5 metres higher than predicted tides. The tide level at the Port Office Gauge at 1200 Saturday was 1.56 m and rising.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Saturday, 8 January 2011 5:53 PM

To: [redacted]

Cc: Deb Chandler; Mailbox; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Tony Trace

Subject: FOC Situation Report at 18:00 on Saturday 8 January 2011

Rainfall

Some rain has fallen over the dam catchments in the past 12 hours. Catchment average rainfall for this period for North Pine Dam is 6 mm; Stanley River has received 12 mm; and the Upper Brisbane River 4 mm. This has resulted in minor increases in runoff into Somerset dam.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

The forecast for the Somerset-Wivenhoe catchment for the next 24 hours is 30 to 50 mm, whilst North Pine is expected to receive 40 to 60 mm in the next 24 hours

The outlook for the following days are:-

Sunday:	Widespread rain with totals between 50-100mm
Monday:	Widespread rain again with totals between 50-150mm
Tuesday:	Rain easing with totals between 25-50mm

Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday.

North Pine (Full Supply Level 39.60 m AHD)

At 1700 Saturday, North Pine Lake Level was 39.47 m AHD and steady. Currently two gates are open to release runoff generated from rainfall over the last three days. Given the very high likelihood of significant runoff during the next 4 days, gates will be kept open to match inflows over the next few days, rather than opening and closing at various times with short notice. Lake Kurwongbah spillway flows are also contributing to the adverse impacts experienced at Youngs Crossing.

Youngs Crossing will remain adversely impacted for the duration of the gates being open.

Moreton Bay Regional Council has been advised and concurs with this strategy.

Somerset (Full Supply Level 99.00 m AHD)

Somerset Dam level peaked at 100.47m AHD at 10:00 today and is now slowly falling. At 1700 it is now 100.41m. Somerset Dam is releasing into Wivenhoe through two open sluice gates and over the fixed crest at a rate of about 415 m3/s.

Since the commencement of the event on 02/01/2011, approximately 95,000ML has flowed into Somerset Dam with a further 20,000ML expected based on the recorded rainfall to date. Approximately 38,000ML has been released into Wivenhoe.

Wivenhoe (Full Supply Level 67.00 m AHD)

At 1800 Saturday, Wivenhoe Dam was 68.65 m AHD and rising slowly with all five gates open and releasing about 1,250 m3/s. River levels upstream of Wivenhoe Dam have peaked and are now receding. However the further inflows may result from any additional rainfall. The current gate operation strategy will maintain flows of up to 1,600 m3/s in the mid-Brisbane River throughout the evening.

Since the commencement of the event on 02/01/2011, approximately 227,000ML has flowed into Wivenhoe Dam (including Somerset releases) with a further 200,000ML expected based on the recorded rainfall to date. Approximately 93,000ML has been released from Wivenhoe via the radial gates, hydro and regulator.

Impacts downstream of Wivenhoe

The current Wivenhoe release of 1,250m3/s combined with Lockyer flows and local runoff will mean that all low level crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days (until Wednesday 12 January). At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected, but they could potentially be affected if the predicted rainfall totals eventuate and higher releases from Wivenhoe Dam are considered necessary.

The current available assessments indicate that the combined flow in the lower Brisbane River would only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane R will be 0.4 to 0.5 metres higher than predicted tides. The tide level at the Port Office Gauge at 1700 Saturday was 0.06 m and falling.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

Forecast Scenario – Based upon mid-range rainfall forecasts.

Assessments have been undertaken to determine possible increases to releases given the high likelihood of significant inflows in the next few days. The interaction with runoff from the Bremer River and Warrill Creek catchment is an important consideration as the event magnitude will require the application of Wivenhoe Dam flood operation strategy W2 (Transition strategy between minimizing downstream impacts and maximizing protection to urban areas).

Projections based upon the forecast rainfalls suggest flows of up to 1,200 m3/s will emanate from the Bremer River catchment. If similar rainfall magnitudes occur in the Upper Brisbane and Stanley Rivers then increased releases may be required from both Somerset Dam and Wivenhoe Dam. Preliminary projections suggest that such a forecast will extend the release duration until next Saturday 15 January, but mid-Brisbane River flows will be kept to a maximum of 1,800 m3/s. However, if falls are greater than those forecast releases from Wivenhoe Dam may need to adversely impact Mt Crosby Weir Bridge (1,900 m3/s) and possibly Fernvale Bridge (2,100 m3/s) but will be maintained below 3,500 m3/s.

The assessments will be updated as the event progresses.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Seqwater).

Tony Trace

From: Duty Engineer [redacted]

Sent: Sunday, 9 January 2011 6:15 AM

To: [redacted]

Cc: Deb Chandler; Mailbox; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Tony Trace

Subject: FOC Situation Report at 06:00 on Sunday 9 January 2011

Rainfall

Catchment average rainfall for the past 12 hours is; North Pine Dam (less than 10 mm); Somerset Dam (40 mm); Wivenhoe Dam (less than 10 mm). The bulk of the rain that has fallen in the Somerset Dam catchment has occurred in the last two hours, with recorded falls exceeding 60mm in some areas. The BOM forecast for the next seven days issued at 0450 this morning is:-

Sunday:	Rain periods.
Monday:	Rain periods.
Tuesday:	Rain periods.
Wednesday	A few showers.
Thursday	A shower or two.
Friday	A shower or two.
Saturday	Mostly fine.

A severe whether warning remains current for heavy rainfall in the dam catchment areas. The dam catchments are relatively saturated and significant inflows will be generated if the forecast rainfall eventuates.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is currently 39.47 m AHD and steady. Two radial gates remain open to release runoff generated from recent rainfall. Based on rainfall forecasts, the radial gates have been kept open in anticipation of further inflows over the next few days. However unless significant rain falls today, consideration will be given to closing the gates late this afternoon or early tomorrow morning and discussions to finalise a decision on the timing of radial gate closure will be held with the Moreton Bay Regional Council later today. Youngs crossing will remain closed while releases are in progress.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is currently falling slowly, with the current level being 100.27m AHD. However the rain that has fallen in the dam catchment over the last two hours (recorded falls exceed 60mm in some areas) will result in significant inflows later today. The current release rate into Wivenhoe Dam is 35,000ML/day. Since the commencement of the event on 02/01/2011approximately 56,000ML has been released from the dam, with a total of at least 150,000ML to be released based on the currently recorded rainfall. The total release for the event is likely to increase significantly over the next few days based on the current rainfall forecasts. At this stage, releases will continue until at least Tuesday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is currently falling slowly, with the current level being 68.58m AHD. River levels upstream of the dam are receding, however further inflows will result from any additional rainfall. The current gate operation strategy will maintain flows of around 1,600m^3/s in the mid-Brisbane River. The current release rate

from Wivenhoe Dam is 116,000ML/day. Since the commencement of the event on 02/01/2011approximately 150,000ML has been released from the dam, with a total of at least 450,000ML to be released based on the currently recorded rainfall. The total release for the event is likely to increase over the next few days based on the current rainfall forecasts. At this stage, releases will continue until at least Wednesday.

Impacts downstream of Wivenhoe Dam

The current Wivenhoe Dam release combined with Lockyer flows and local runoff will mean that all low level crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted until at least Wednesday 12 January. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected, but this may be revised if the predicted rainfall totals eventuate and higher releases from Wivenhoe Dam are considered necessary.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

John Tibaldi
Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Sunday, 9 January 2011 5:51 PM

To: [redacted]

Cc: Peter Allen

Subject: Situation Report 1700 Sunday 9/1/2011

Rainfall

Catchment average rainfall for the past 12 hours is; North Pine Dam (60 mm); Somerset Dam (150 mm); Wivenhoe Dam (80 mm). The bulk of the rain that has fallen in the upper reaches of the Stanley and Brisbane Rivers.

The BOM rainfall forecast for the next few days is:-

Monday:	Very heavy rain periods with totals up to 300mm centred around North Pine.
Tuesday:	Rain periods with totals up to 150mm centred around North Pine.
Wednesday	A few showers less than 10mm
Thursday	A shower or two.
Friday	A shower or two.
Saturday	Mostly fine.

A severe whether warning remains current for heavy rainfall in the dam catchment areas. The dam catchments are relatively saturated and significant inflows will be generated if the forecast rainfall eventuates.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is currently 39.65 m AHD and rising at 1600. Following the rain in the 9 hours, the number of open gates has been increased from 2 to 5 which are expected to remain open for the next 12 hours. Youngs Crossing will remain closed while releases are in progress.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 100.75 m AHD and rising quickly. Estimated peak inflow to the dam is about 3,000m3/s. Five sluice gates are open releasing about 1,100m3/s (95,000Ml/d) into Wivenhoe Dam. At this stage the dam will reach at least 101.5 during early Tuesday morning.

Since the commencement of the event on 02/01/2011approximately 80,000ML has been released from the dam, with an event total of at least 320,000ML based on the recorded rainfall to date. The event total is expected to increase significantly due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Wednesday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is currently rising again, with the current level being 68.70m AHD. Estimated peak inflow to the dam just from the Upper Brisbane R is about 5,000m3/s and, at this stage, the dam will reach at least 72.5 m AHD during Wednesday morning. River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. The current gate operation strategy will maintain flows of around 1,600m^3/s in the mid-Brisbane River for the next 24 hours. This may mean temporarily reducing

releases from Wivenhoe Dam as Lockyer flows increase. However, releases may have to be increased significantly during Monday depending on the rain in the next 12 to 24 hours. The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day).

Since the commencement of the event on 02/01/2011 approximately 210,000ML has been released from the dam, with an event total approaching 1,000,000ML (including Somerset outflow) based on the recorded rainfall to date. The total release for the event is likely to increase over the next few days based on the current rainfall forecasts. At this stage, releases will continue until at least Saturday 15th January 2011.

Impacts downstream of Wivenhoe Dam

The current Wivenhoe Dam release combined with Lockyer flows and local runoff will mean that all low level crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted until at least Saturday 15 January.

At this stage Fernvale and Mt Crosby Weir Bridge will not be affected for the next 24 hours but there is a strong possibility that, if the predicted rainfall totals eventuate in the next 12 to 24 hours, higher releases from Wivenhoe Dam will be necessary. This may adversely impact upon Fernvale and Mt Crosby Weir Bridges as early as Tuesday morning.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

Terry Malone

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Sunday, 9 January 2011 9:04 PM

To: [redacted]

Cc: Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi

Subject: Situation Report 2100 9/01/2011

Importance: High

Rainfall

Very heavy rainfall has been recorded in the upper reaches of the Brisbane and Stanley in the last 6 hours with totals up 100 to 140mm. Totals for the last 24 hours range from 100 to 300mm.

Rainfall of similar magnitudes is expected in the 12 to 24 hours, especially around the Bremer/Warrill catchments as the system tracks south.

A severe weather warning remains current for heavy rainfall in the dam catchment areas.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 101.68 m AHD (about 500,000ML currently in storage) and rising quickly. Peak inflow to the dam is estimated to be about 4,000 m3/s based on observed rainfall and could be as high as 5,000m3/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m3/s (95,000Ml/d) into Wivenhoe Dam. At this stage the dam will reach at least 103.5 early Tuesday morning which will adversely impact areas around Kilcoy.

Since the commencement of the event on 02/01/2011approximately 100,000ML has been released from the dam into Wivenhoe, with an event total of the order of 520,000ML expected. This may increase due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Thursday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have already reached 6,700m3/s and the river is still rising.

The dam level is rising again, with the current level being 69.10m AHD (1,410,000ML with about 300,00 of flood storage). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 7,500m3/s and, at this stage, the dam will reach at least 73.0 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe Monday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows is the lower Brisbane will be limited to 4,000m3/s. This is below the limit of urban damages in the City reaches.

The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day). Gate opening will start to be increased from noon Monday and the release is expected increase to at least 2,600m3/s during Tuesday morning.

Since the commencement of the event on 02/01/2011 approximately 220,000ML has been released from the

dam, with an event total approaching 1,000,000ML without further rain and as much as 1,500,000ML with forecast rainfall of (both including Somerset outflow). At this stage, releases will continue until at least Sunday 16th January 2011.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the updated Wivenhoe operating strategy.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]
Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Monday, 10 January 2011 1:01 AM
To: Tony Trace
Subject: RE: Situation Report 2100 9/01/2011

Tony

Just spoke to the operators at Somerset Dam. They just inspected the galleries and apart from some water in the drains there are no obvious problems. (Water in the drains is expected with the event we are experiencing!),

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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From: Tony Trace [redacted]
Sent: Monday, 10 January 2011 12:51 AM
To: 'Duty Engineer'
Subject: RE: Situation Report 2100 9/01/2011

Have had a rumour quoted to me from 2 different sources that there may be an issue with the wall of the Somerest Dam? Is this the ase or is it just a rumour?

Tony

From: Duty Engineer [redacted]
Sent: Sunday, 9 January 2011 9:04 PM
To: [redacted]
Cc: Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi
Subject: Situation Report 2100 9/01/2011
Importance: High

Rainfall

Very heavy rainfall has been recorded in the upper reaches of the Brisbane and Stanley in the last 6 hours with totals up 100 to 140mm. Totals for the last 24 hours range from 100 to 300mm.

Rainfall of similar magnitudes is expected in the 12 to 24 hours, especially around the Bremer/Warrill catchments as the system tracks south.

A severe weather warning remains current for heavy rainfall in the dam catchment areas.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 101.68 m AHD (about 500,000ML currently in storage) and rising quickly. Peak inflow to the dam is estimated to be about 4,000 m3/s based on observed rainfall and could be as high as 5,000m3/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m3/s (95,000Ml/d) into Wivenhoe Dam. At this stage the dam will reach at least 103.5 early Tuesday morning which will adversely impact areas around Kilcoy.

Since the commencement of the event on 02/01/2011approximately 100,000ML has been released from the dam into Wivenhoe, with an event total of the order of 520,000ML expected. This may increase due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Thursday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have already reached 6,700m3/s and the river is still rising.

The dam level is rising again, with the current level being 69.10m AHD (1,410,000ML with about 300,00 of flood storage). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 7,500m3/s and, at this stage, the dam will reach at least 73.0 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe Monday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows is the lower Brisbane will be limited to 4,000m3/s. This is below the limit of urban damages in the City reaches.

The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day). Gate opening will start to be increased from noon Monday and the release is expected increase to at least 2,600m3/s during Tuesday morning.

Since the commencement of the event on 02/01/2011 approximately 220,000ML has been released from the dam, with an event total approaching 1,000,000ML without further rain and as much as 1,500,000ML with forecast rainfall of (both including Somerset outflow). At this stage, releases will continue until at least Sunday 16th January 2011.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the updated Wivenhoe operating strategy.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Thy Nguyen

From: Duty Engineer [redacted]

Sent: Monday, 10 January 2011 1:14 AM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Tony Trace

Subject: FOC Situation Report at 01:00 hrs on Monday 10 January 2011

Rainfall

Very heavy rainfall has been recorded in the Upper Brisbane and Stanley Rivers in the last 12 hours with totals up 100 to 240mm. Totals for the last 24 hours range from 100 to 300mm.

Rainfall of similar magnitudes is expected in the 12 to 24 hours around the downstream catchments as the system tracks south.

A severe weather warning remains current for heavy rainfall in the dam catchment areas.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level was 39.95 m and steady. Five gates are open releasing 445 m3/s. The inflow into the dam since the commencement of the event is 42,000 ML. Estimated event volume is 57,000 ML assuming no further rainfall. Gate operations will continue until at least Tuesday 11 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 102.22 m AHD and rising quickly (storing 157,000 ML above FSL). Peak inflow to the dam is estimated to be about 4,200 m3/s based on observed rainfall and could be as high as 5,000m3/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m3/s (95,000Ml/d) into Wivenhoe Dam. At this stage the dam will reach at least 103.5 on Monday afternoon which will adversely impact areas around Kilcoy.

Since the commencement of the event on 02/01/2011approximately 115,000ML has been released from the dam into Wivenhoe, with an event total of the order of 520,000ML expected. This is expected to increase due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Thursday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have already reached 7,350m3/s and the river has just peaked at 23:00 on Sunday 9 January.

The dam level is rising quickly, with the current level being 69.60m AHD (storing 301,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 8,800m3/s and, at this stage, the dam will reach at least 73.3 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe during Monday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows in the lower Brisbane will be limited to 4,000m3/s if possible.

Fernvale Bridge approaches and Mt Crosby Weir Bridge have been inundated and both bridges are now closed or are in the process of being closed.

The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day). Gate opening will start to be increased during early Monday morning and the release is expected to increase to at least 2,600m3/s.

Since the commencement of the event on 02/01/2011 approximately 240,000ML has been released from the dam, with an event total approaching 1,500,000ML without further rain and as much as 2,100,000ML with forecast rainfall of (both including Somerset outflow). At this stage, releases will continue until at least Sunday 16th January 2011.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam. If the predicted rainfall eventuates in the downstream tributary catchments the resultant combined flows in the lower Brisbane may exceed the threshold of damaging discharge in the urban areas within the next 24 to 48 hours.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the updated Wivenhoe operating strategy.

Regards

John Ruffini

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Monday, 10 January 2011 6:30 AM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi

Subject: FOC Situation Report at 06:00 on Monday 10 January 2011

Rainfall

Moderate to heavy rainfall has been recorded in the Upper Brisbane and Stanley Rivers in the last 12 hours with totals up to 90 mm. Totals for the last 24 hours range from 100 to 325mm.

Mt Glorious recorded 100 mm in the last 12 hours.

Rainfall of similar magnitudes is expected in the 12 to 24 hours around the downstream catchments as the system tracks south.

A severe weather warning remains current for heavy rainfall in the dam catchment areas.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level was 39.97 m and steady. Five gates are open releasing 475 m3/s. The inflow into the dam since the commencement of the event is 52,000 ML. Estimated event volume is 72,000 ML assuming no further rainfall. Gate operations will continue until at least Tuesday 11 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level at 05:00 was 102.84 m AHD and rising (storing 193,000 ML above FSL). Peak inflow to the dam is estimated to be about 4,200 m3/s based on observed rainfall and could be as high as 5,000m3/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m3/s (95,000Ml/d) into Wivenhoe Dam. At this stage the dam lake level will reach about 103.5 mAHD on Monday afternoon. Areas around Kilcoy will continue to be adversely affected.

Since the commencement of the event on 02/01/2011approximately 142,000ML has been released from the dam into Wivenhoe, with an event total of the order of 520,000ML expected. This is expected to increase due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Thursday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

River levels upstream of the dam have peaked and are falling slowly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have peaked at 7,350m3/s at 23:00 on Sunday 9 January. This peak is bigger than January 1974 and February 1999 at this location.

The dam level is rising quickly, with the current level being 70.77m AHD (storing 450,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R is around 8,800m3/s and, at this stage, the dam will reach at least 73.3 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it was necessary to start to increase the release from Wivenhoe during Monday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows in the lower Brisbane

will be limited to 4,000m3/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000 m3/s.

Fernvale Bridge approaches and Mt Crosby Weir Bridge have been inundated and both bridges are now closed.

The current release rate from Wivenhoe Dam is 1,753m3/s (150,000ML/day). Gate opening will continue to be increased during Monday and the release is expected to increase to at least 2,600m3/s in the next 12 to 24 hours.

Since the commencement of the event on 02/01/2011 approximately 275,000ML has been released from the dam, with an event total approaching 1,600,000ML without further rain and as much as 2,100,000ML with forecast rainfall of (both including Somerset outflow). At this stage, releases will continue until at least Sunday 16th January 2011.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam. If the predicted rainfall eventuates in the downstream tributary catchments the resultant combined flows in the lower Brisbane may exceed the threshold of damaging discharge in the urban areas within the next 24 to 48 hours. Currently the estimate peak flow in the lower Brisbane River will be the highest since Wivenhoe Dam was completed in 1984 but still well below flows the 1974 levels.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the updated Wivenhoe operating strategy.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The flood operation centre will continue to monitor the situation and provide every six hours until the situation stabilizes.

John Ruffini

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Monday, 10 January 2011 12:16 PM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; [redacted]

Subject: FOC Situation Report at 12:00 on Monday 10 January 2011

Rainfall

Rainfall has continued in the dam catchments over the last 6 hours, with approximate catchment averages as follows: North Pine (30mm); Wivenhoe Dam (20mm); Somerset Dam (40mm). A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (75mm to 150mm); Wivenhoe/Somerset Dam Catchments (50mm – 100mm).

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is 40.00m AHD and relatively steady (storing 9,000ML above FSL). Five gates are open and releasing 500 m3/s. The inflow into the dam since the commencement of the event is 63,000 ML. Estimated event volume is 77,000 ML assuming no further rainfall. Gate operations will continue until at least Wednesday 12 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.11m AHD and rising (storing 210,000 ML above FSL). Peak inflow to the dam is estimated to be about 4,200 m3/s. Five sluice gates are open releasing about 1,100m3/s (95,000ML/day) into Wivenhoe Dam. At this stage the dam lake level will reach about 103.5m AHD on Monday afternoon. Areas around Kilcoy will continue to be adversely affected.

Since the commencement of the event on 02/01/2011approximately 182,000ML has been released from the dam into Wivenhoe, with an event total of the order of 520,000ML expected. This is expected to increase due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Thursday 13 January 2011.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 71.95m AHD and rising quickly (storing 610,000 ML above FSL). Peak inflow to the dam is estimated to be about 8,800m3/s. Five radial gates are open releasing about 2000m3/s (170,000ML/day) into the Brisbane River. At this stage, the dam will reach about 73.5m AHD during Tuesday morning. Flows in the Brisbane River above the dam at Gregor's Creek peaked at 7,350m3/s and this peak is bigger than both the January 1974 and February 1999 flood events at this location.

The objective for dam operations is to minimise the impact of urban flooding in areas downstream of the dam and the current aim is to keep river flows in the lower Brisbane River below 3,500m3/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000m3/s.

Since the commencement of the event on 02/01/2011 approximately 325,000ML has been released from the dam, with an event total approaching 1,600,000ML without further rain and as much as 2,100,000ML with

forecast rainfall of (both including Somerset outflow). At this stage, releases will continue until at least Sunday 16 January 2011.

The volume between the expected peak (73.5m AHD) and the level at which the safety of the dam becomes the primary objective in managing flood releases (74.0m AHD) is 75,000ML. The volume between the expected peak (73.5m AHD) and initiation of the first Fuse Plug is 330,000ML.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam. If the predicted rainfall eventuates in the downstream tributary catchments the resultant combined flows in the lower Brisbane may exceed the threshold of damaging discharge in the urban areas within the next 24 to 48 hours. Currently the estimate peak flow in the lower Brisbane River will be the highest since Wivenhoe Dam was completed in 1984 but still well below flows the 1974 levels.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the updated Wivenhoe operating strategy.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The flood operation centre will continue to monitor the situation and provide every six hours until the situation stabilizes.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Monday, 10 January 2011 2:58 PM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; [redacted]

Subject: RE: FOC Situation Report at 12:00 on Monday 10 January 2011

Rainfall

Significant rainfall has fallen in the Wivenhoe Dam catchment over the last 3 hours, with falls exceeding 100mm. This rainfall will significantly increase inflows into the dam. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (75mm to 150mm); Wivenhoe/Somerset Dam Catchments (50mm – 100mm). Potentially significant rain moving towards the dam catchments is currently evident on the BOM radar.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.41m AHD and rising. Peak inflow to the dam is estimated to be about 4,200 m3/s. Five sluice gates are open releasing about 1,100m3/s (95,000ML/day) into Wivenhoe Dam. At this stage the dam lake level will reach about 103.5m AHD on Monday afternoon. Areas around Kilcoy will continue to be adversely affected.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 72.41m AHD and rising quickly. The rainfall experienced over the last 2 to 3 hours will result in significant further inflows into the dam and releases from the dam will need to be increased in accordance with Flood Mitigation procedures and to ensure that a fuse plug is not initiated. The initiation of a fuse plug will result in a rapid uncontrolled outflow from the dam of 2,000m3/s being added to the gate release outflow. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing.

Five radial gates are currently open at the dam releasing about 2,000m3/s into the Brisbane River and this will need to be increased steadily to an outflow of 2,800m3/s over the next 9 hours (commencing at 1500). At this stage, the dam will reach about 73.8m AHD during Tuesday morning.

The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m3/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000m3/s. If further rainfall occurs, dam releases may need to be increased further and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000m3/s.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Sunday 16 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The flood operation centre will continue to monitor the situation and provide every six hours until the situation stabilizes.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Monday, 10 January 2011 6:43 PM

To: [redacted]

Cc: 'Andy Bickerton'; 'Deb Chandler'; 'Mailbox'; Tony Trace; 'Chris Lavin'; 'Craig Logan'; 'Don Carroll'; 'Evan Caswell'; 'James Charalambous'; 'Ken Morris'; 'Robert McGlinn'; 'Santina Pennisi'; [redacted]

Subject: FOC Situation Report at 18:00 on Monday 10 January 2011

Rainfall

Only minor rainfall has been experienced in the North Pine Dam and Somerset Dam catchments with a catchment averages of less than 20mm.

However, significant rain has fallen in the Wivenhoe Dam catchment over the last 6 hours, with isolated falls exceeding 100mm. This rainfall has significantly increase inflows into the dam. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm). Potentially significant rain moving towards the dam catchments is currently evident on the BOM radar.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is 39.84m AHD and falling slowly (storing 9,000ML above FSL). Five gates are open and releasing 362 m3/s. The inflow into the dam since the commencement of the event is 72,000 ML. Estimated event volume is 84,000 ML assuming no further rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.46m AHD and rising slowly. Peak inflow to the dam is estimated to be about 4,200 m3/s. Total discharge into Wivenhoe Dam is currently 1700m3/s and this discharge will decrease slowly in the next 24 hours to be around 1200m3/s late Tuesday. The dam level will peak at 103.5m AHD in the next few hours, unless further significant rainfall is experienced. Areas around Kilcoy will continue to be adversely affected.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 72.92m AHD and rising quickly. Releases from the dam have been increased over the last 3 hours in accordance with Flood Mitigation procedures and to ensure that a fuse plug is not initiated. The initiation of a fuse plug will result in a rapid uncontrolled outflow from the dam of 2,000m3/s being added to the gate release outflow. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing. The flash flooding experienced in the upper areas of Lockyer Creek have been examined and are not expected to significantly increase Brisbane River flows above the current projection of 4000m3/s at Moggill.

Five radial gates are currently open at the dam releasing about 2,400m3/s into the Brisbane River and this will need to be increased steadily to an outflow of 2,800m3/s. At this stage, the dam will reach about 73.8m AHD during Tuesday morning.

The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m3/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000m3/s. If further rainfall occurs, dam releases may need to be increased further and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000m3/s.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Sunday 16 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The flood operation centre will continue to monitor the situation and provide every six hours until the situation stabilizes.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]
Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Monday, 10 January 2011 11:56 PM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi

Subject: FOC Situation Report at 00:00 Tuesday 11 Janaury 2011

Rainfall

Rainfall continues in the North Pine Dam, Somerset Dam and Wivenhoe Dam catchments with falls of generally less than 20mm since 18:00 today. However, some isolated falls in the Upper Brisbane River of up to 110 mm have been recorded at Monsildale in this time. This rainfall will increase inflows into the dam.

A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 16:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm).

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is 39.80m AHD and falling slowly (storing 4,400ML above FSL). Five gates are open, releasing 153 m3/s. The inflow into the dam since the commencement of the event is 74,000 ML. Estimated event volume is 84,000 ML assuming no further rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.40m AHD and falling slowly. Peak inflow to the dam is estimated to be about 4,200 m3/s. Total discharge into Wivenhoe Dam is currently 1700m3/s and this discharge will decrease slowly in the next 24 hours to be around 1200m3/s late Tuesday. The dam level peaked at 103.52m AHD at 19:00 on Monday 10 January 2011, unless further significant rainfall is experienced. Areas around Kilcoy will continue to be adversely affected.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 73.22m AHD and rising at about 50 mm/hour. Releases from the dam have been held at a rate of 2,750 m3/s since 19:30 hours. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing.

The BoM has provided further advice about the flash flooding experienced in the upper areas of Lockyer Creek. The rainfall responsible for this event was not observed at any rainfall stations but it is considered to be very significant. Flood levels in the Lockyer Creek catchment will exceed maximum recorded levels in some stations in the upper catchment. This flow may result in increases in Brisbane River levels below the junction of Lockyer Creek.

Five radial gates are currently open at the dam releasing about 2,750m3/s into the Brisbane River. At this stage, the dam will reach about 73.8m AHD during Tuesday afternoon.

The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m3/s if possible. This is significantly

less than the current estimated combined pre-dam peak inflow of 12,000m3/s. If further rainfall occurs, dam releases may need to be increased further and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000m3/s.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Sunday 16 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.

The BoM will provide further information regarding the magnitude of the flash flood event occurring in Lockyer Creek early Tuesday morning. Consideration will be given to modifying the releases from Wivenhoe Dam to try to moderate the peak flows emanating from Lockyer Creek.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate over the next 24 hours. The flood operation centre will continue to monitor the situation and provide situation reports every six hours until the situation stabilizes.

Regards

Rob Ayre
Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Tuesday, 11 January 2011 6:12 AM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Tony Trace

Subject: FOC Situation Report at 06:00 on Tuesday 11 January 2011

Rainfall

Rainfall continues in the North Pine Dam, Somerset Dam and Wivenhoe Dam catchments. Isolated falls in the Upper Brisbane River of up to 125 mm have been recorded with widespread falls of 40 to 70 mm in the Somerset Dam catchment. This rainfall will increase inflows into the dam.

There has also been 20 to 60 mm in the Lockyer Creek catchment in the last 12 hours with falls of up to 30 mm in the Bremer River.

A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 16:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm).

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is 39.80m AHD and has commenced rising again (storing 4,400ML above FSL). Five gates are open releasing 177 m3/s. The inflow into the dam since the commencement of the event is 77,000 ML. Estimated event volume is 88,000 ML assuming no further rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.27m AHD and falling slowly. Peak inflow to the dam is estimated to be about 4,200 m3/s. Total discharge into Wivenhoe Dam is currently 1400 m3/s and this discharge will be decreased in the next few hours to be around 500 m3/s later on Tuesday. This is to ensure that the combined flood mitigation capacity in Somerset and Wivenhoe Dam is maximized.

The dam level peaked at 103.52m AHD at 19:00 on Monday 10 January 2011, (unless further significant rainfall is experienced). Areas around Kilcoy will continue to be adversely affected.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 73.51m AHD and rising at about 25 mm/hour. Releases from the dam have been held at a rate of 2,750 m3/s since 19:30 hours on Monday 10 January 2011. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing.

The BoM has provided further advice about the flash flooding experienced in the upper areas of Lockyer Creek. The rainfall responsible for this event was not observed at any rainfall stations but it is considered to be extreme. Flood levels in the Lockyer Creek catchment will exceed maximum recorded levels in some stations in the upper catchment. This flow will result in increases in Brisbane River levels below the junction of Lockyer Creek.

Five radial gates are currently open at the dam releasing about 2,750m3/s into the Brisbane River. At this stage, the dam will reach just over 74.0m AHD during Tuesday evening.

Above EL 74.0m AHD the objective for dam operations is to maintain the security of the dam and minimise downstream flood flows if possible.

If further rainfall occurs, dam releases may need to be increased further and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000m3/s.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Sunday 16 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.

The BoM will provide further information regarding the magnitude of the flash flood event occurring in Lockyer Creek early Tuesday morning. Consideration was given to modifying the releases from Wivenhoe Dam to try to moderate the peak flows emanating from Lockyer Creek but the rainfall in the past 12 hours in the catchment above the dam makes this option not possible. Therefore instead of decreasing releases to accommodate the Lockyer Creek flows, the strategy will endeavour to maintain the current releases until Lockyer Creek peaks.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate over the next 24 hours. The flood operation centre will continue to monitor the situation and provide situation reports every six hours until the situation stabilizes.

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Tuesday, 11 January 2011 6:00 PM
To: [redacted]
Subject: Situation Report 1800 12 Janaury 2011

In the last twelve hours totals of up to 370mm have fallen in the area around Wivenhoe Dam. In the last hour, rainfalls between 15 and 30mm have been recorded in the same area. At 1600, the BoM advised that falls between 50 to 100mm are still forecast for the 24hrs to 1600 Wednesday 12 January 2011 for the North Pine and Somerset/Wivenhoe catchments.

At 1730 Wivenhoe Dam was 74.92m AHD and rising slowly and releasing about 6,700m3/s.

The current expectation is that the dam will reach a steady state (outflow equals inflow) within the next 3 hours without further significant rainfall. At this time, release from the dam will be about 8,000 m3/s.

If there is no further rainfall, it may be possible to then slowly reduce this release overnight.

The dam is expected to peak below 75.5m AHD which is 100mmm below the first fuse plug initiation level.

Note that the automatic recorder as indicated on the BoM website is affected by drawdown and is not reflecting the actual lake level and tendency.

The Flood Operations Centre is continuing to monitor rainfalls and water levels through the Brisbane and Pine catchments and reviewing operating strategy every 30 minutes. The FOC is also maintaining close contact with warning agencies and local councils.

The next report will be issued at 2100 12 January 2011.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]
Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Wednesday, 12 January 2011 5:49 AM
To: [redacted]
Subject: Situation Report 0600 Wed 12/01/2011

No significant rain has fallen over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected over the next 24-48 hours.

Wivenhoe Dam peaked on the 11th January, Tuesday night at 19:00 at 74.97 mAHD with a corresponding discharge of 7,450 m3/s. The release have now been scaled back to 4,300m3/s at 05:00 am. Wivenhoe Dam is currently 74.77 m AHD and falling slowly.

The releases from Wivenhoe Dam will be temporarily reduced to 2,500 m3/s to allow the peak of Lockyer Creek to enter the Brisbane River, after which they will be increased to maximum of 3,500 m3/s. This release will then be maintained to drain the flood storage component within the required 7 days.

Somerset Dam is at 105.10 mAHD and slowly rising. The dam is discharging 1,230 m3/s over the spillway. The dam is expected to peak this morning near its current level. Sluice gates will be utilised to assist the draining of the flood storage compartment commencing on Thursday.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres.

North Pine Dam is currently releasing 105 m3/s through five gates. At 17:00 the lake was 39.78 mAHD. The event has a volume of around 200,000 ML. The peak discharge from the dam was 2,800 m3/s. This is categorised as an extreme event in the order of 1 in 10,000.

The Flood Operations Centre is continuing to monitor rainfalls and water levels through the Brisbane and Pine catchments and reviewing operating strategy every 30 minutes. The FOC is also maintaining close contact with warning agencies and local councils.

The next report will be issued at 08:00 12 January 2011.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]
Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Wednesday, 12 January 2011 7:57 AM

To: [redacted]

Subject: RE: Situation Report 0800 Wed 12/01/2011

Rainfall

No significant rain has fallen over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected over the next 24-48 hours.

Somerset/Wivenhoe

Somerset Dam has peaked at 105.11 mAHD at 06:00 on 12 January 2011 and the dam is discharging 1,230 m3/s over the spillway. Sluice gates will be utilised to assist the draining of the flood storage compartment commencing later Wednesday.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m3/s. Wivenhoe Dam was 74.75 m AHD at 07:30 and generally falling slowly.

The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m3/s at 07:30 to allow the peak of Lockyer Creek to enter the Brisbane River. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m3/s. This release will then be maintained to drain the flood storage component within the required 7 days.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres.

North Pine

At 07:00 North Pine Dam was 39.78 mAHD falling and releasing about 105 m3/s. North Pine has peaked at 41.11 mAHD at 14:00 on 11 January 1974 with peak release of 2,800 m3/s. The event has a volume of around 200,000 ML. It is expected that gates will be close later Wednesday or early Thursday.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels through the Brisbane and Pine catchments and reviewing operating strategy every 30 minutes. The FOC is maintaining close contact with warning agencies and local councils.

The next report will be issued at 12:00 12 January 2011.

Regards

Terry Malone

Duty Engineer

Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Wednesday, 12 January 2011 3:17 PM
To: [redacted]
Cc:
Subject: Situation Report 1500 Wed 12/01/2011

Rainfall

Rainfall in the last 12 hours is generally below 5mm with a couple of 10mm falls in the Stanley and North Pine catchments. There is no significant rain expected fin the next 4 days.

Somerset/Wivenhoe

Somerset Dam has peaked at 105.11 mAHD at 06:00 on 12 January 2011. One sluice was opened at 1030 12 January 2011 and the dam is discharging 1,440 m3/s. Sluice gates will be utilised to drain of the flood storage compartment during the next 5 days.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m3/s. Wivenhoe Dam was 74.81 m AHD at 15:00 and steady.

The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m3/s at 07:30 12 January 2011 to allow the peak of Lockyer Creek to enter the Brisbane River. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m3/s. This release will then be maintained to drain the flood storage component within the required 7 days.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres.

North Pine

At 15:00 North Pine Dam was 39.74 mAHD falling with all gates open 1 increment, releasing about 80 m3/s. North Pine peaked at 41.11 mAHD at 14:00 on 11 January 1974 with peak release of 2,800 m3/s. The event has a volume of around 200,000 ML. It is expected that gates will be closed on Thursday or Thursday.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels through the Brisbane and Pine catchments and reviewing operating strategy every 30 minutes. The FOC is maintaining close contact with warning agencies and local councils.

The next report will be issued at 18:00 12 January 2011.

Regards

Terry Malone

Duty Engineer

Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Thursday, 13 January 2011 5:45 AM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; 'Flood Information Centre'; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi

Subject: FOC Situation Report 0600 13 January 2011

Rainfall

Rainfall in the last 12 hours is generally below 5mm with isolated falls of up to 15mm in the Stanley, Lockyer and Pine River catchments. There is no significant rain expected fin the next 4 days.

Somerset/Wivenhoe

Somerset Dam peaked at 105.11 mAHD at 06:00 on Wednesday 12 January 2011. The current level is 104.34 mAHD. One sluice was opened at 10:30 on 12 January 2011 and the dam is currently discharging 1,130 m3/s. Sluice gates will be utilised to drain of the flood storage compartment during the next 5 days.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s. Wivenhoe Dam was 74.72 m AHD at 06:00 and commence to fall slowly.

The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m3/s at 07:30 on Wednesday 12 January 2011 to allow the peak of Lockyer Creek to enter the Brisbane River. The Brisbane River has peaked at the Port Office Gauge early Thursday morning. Releases from Wivenhoe Dam will be managed to achieve a target flow of around 3,500 m3/s at Moggill. This release will then be maintained to drain the flood storage component within the required 7 days.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 06:00 North Pine Dam was 39.70 mAHD falling with all gates open 1 increment, releasing about 80 m3/s. North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with peak release of 2,800 m3/s. The event has a volume of around 200,000 ML. It is expected that all gates will be closed on Friday.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and reviewing operating strategy. The FOC will continue to maintain close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Thursday 13 January 2011.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Friday, 14 January 2011 5:35 AM
To: [redacted]
Subject: FOC Situation Report at 06:00 on Friday 14 Janaury 2011

Rainfall

There has been no significant rainfall in the last 12 hours and falls of only 5mm is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011. The current level is 102.87 mAHD and falling. Four sluices are open and the dam is currently discharging about 1,300 m3/s.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s. At 05:00 Wivenhoe Dam was 74.74.08 mAHD and continuing to fall.

The releases from Wivenhoe Dam are currently about 3,500 m3/s and are being managed to achieve a target flow of around 3,500 m3/s at Moggill. This release will then be maintained to drain the flood storage component by Wednesday.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHD and gate operations have ceased. The current level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.
Fish recovery has commenced and MBRC have been advised that the gates have been closed. MBRC will inspect Youngs Crossing to determine if the crossing can be re-opened.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m3/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments. The FOC will continue to maintain close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Friday 14 January 2011.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Friday, 14 January 2011 5:45 AM
To: [redacted]
Subject: FOC Situation Report at 06:00 on Friday 14 Janaury 2011

Rainfall

There has been no significant rainfall in the last 12 hours and falls of only 5mm is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011. The current level is 102.87 mAHD and falling. Four sluices are open and the dam is currently discharging about 1,300 m3/s.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s. At 05:00 Wivenhoe Dam was 74.08 mAHD and continuing to fall.

The releases from Wivenhoe Dam are currently about 3,500 m3/s and are being managed to achieve a target flow of around 3,500 m3/s at Moggill. This release will then be maintained to drain the flood storage component by Wednesday.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHD and gate operations have ceased. The current level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.
Fish recovery has commenced and MBRC have been advised that the gates have been closed. MBRC will inspect Youngs Crossing to determine if the crossing can be re-opened.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m3/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments. The FOC will continue to maintain close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Friday 14 January 2011.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Saturday, 15 January 2011 6:36 AM

To: [redacted]

Subject: Situation Report 0630 Saturday 15 January 2011

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 06:00 Somerset Dam was 101.35 mAHD and falling. Four sluices are open and the dam is currently discharging about 920 m3/s. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 05:00 Wivenhoe Dam was 72.86 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 3,500 m3/s and are being managed to achieve a target flow of around 3,500 m3/s at Moggill. This release level is being maintained to drain the flood storage component by Wednesday.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHD and gate operations have ceased. This level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m3/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Saturday 15 January 2011.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Sunday, 16 January 2011 6:09 AM
To: [redacted]
Subject: Situation Report 0600 Sunday 16 January 2011

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 06:00 Somerset Dam was 100.01 mAHD and falling. Four sluices are open and the dam is currently discharging about 820 m3/s. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 06:00 Wivenhoe Dam was 71.3 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 3,477 m3/s and are being managed to achieve a target flow of around 3,500 m3/s at Moggill. This release level is being maintained to drain the flood storage component by Wednesday.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 06:00 North Pine Dam was 39.46 mAHD. All gates are closed. The lake level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m3/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Sunday 16 January 2011.

John Ruffini
Duty Engineer

Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Monday, 17 January 2011 4:56 PM
To: [redacted]

Subject: Situation Report 1700 Monday 16 January 2011

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 16:00 Somerset Dam was 99.02 mAHD and steady. The last sluice gate was closed at 7:00 17/01/2011 and one regulator was opened the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 16:00 Wivenhoe Dam was 68.66 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 2946 m3/s. Releases will be steadily reduced before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the automatic recorder currently being reported on the BoM website is currently incorrect and has been since early Tuesday 11 2011.

North Pine

At 09:00 North Pine Dam was 39.5 mAHD. All gates are closed. No further gate operations are expected unless additional rainfall falls.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m3/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy. The bridges below Wivenhoe Dam will progressively come out of water over the next few days.

John Ruffini
Duty Engineer
Flood Operations Centre

Phone: [redacted]
Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Tuesday, 18 January 2011 6:17 AM
To: [redacted]

Subject: Situation Report 0615 Tuesday 18 Janaury 2011

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 16:00 Monday Somerset Dam was 99.02 mAHD and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 06:00 Tuesday Wivenhoe Dam was 67.82 mAHD and continuing to fall slowly. Releases were held constant overnight at about 2,050 m3/s to assist water supply pumping at Lowood. Following discussions with water supply operators, it has been decided to resume closing gates at 09:00 Tuesday before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

North Pine

At 09:00 North Pine Dam was 39.5 mAHD. All gates are closed. No further gate operations are expected unless additional rainfall falls.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m3/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy.

At 05:00, the Wivenhoe Dam operator reported that the Fernvale Bridge was out of water but water remained over the approaches from Fernvale. He also advised that there were power lines on the bridge and that Energex was advised.

The remaining bridges below Wivenhoe Dam will progressively come out of water over the next few days.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Tuesday, 18 January 2011 5:40 PM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; 'Flood Information Centre'; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Tony Trace

Subject: FOC Situation Report at 18:00 on Tuesday 18 January 2011

Rainfall

Severe thunderstorms are passing over Wivenhoe, Somerset and North Pine Dams this afternoon. To 17:00 falls of 20 to 30 mm where recorded at isolated locations including Mt Pechey and Kluvers Lookout.

A severe thunderstorm warning remains in place for the Stanley River Valley near Kilcoy.

Somerset/Wivenhoe

At 16:00 Tuesday Somerset Dam was 98.95 mAHD and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 16:00 Tuesday Wivenhoe Dam was 66.31 mAHD and continuing to fall slowly. Releases were held constant since 15:00 at about 1,450 m3/s to assist water supply pumping at Lowood. The shutdown sequence is scheduled to re-commence at 03:00 on Wednesday 19 January 2011 morning before final closure on Thursday morning. The Dam will be lowered to 66.5 mAHD (95% capacity) and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

North Pine

At 09:00 North Pine Dam was 39.56 mAHD and rising slowly. All gates are closed. No further gate operations are expected unless additional rainfall falls. This situation will be closely monitored whilst storms remain in the vicinity.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m3/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy.

The remaining bridges below Wivenhoe Dam will progressively come out of water over the next few days.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Wednesday, 19 January 2011 5:28 AM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; 'Flood Information Centre'; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Tony Trace

Subject: FOC Situation Report at 06:00 on Wednesday 19 January 2011

Rainfall

Severe thunderstorms passed over the Wivenhoe, Somerset and North Pine dam catchments yesterday afternoon and evening. Falls of 20mm to 30mm where recorded at isolated locations.

North Pine

A decision was made at 1900 yesterday to drain the dam down to 39.40m AHD overnight to cater for the inflow resulting from yesterday's storms and ensure that Youngs Crossing remains open during the day today. All gates were closed at 0500 today and a fish recovery operation also commenced at this time. Youngs Crossing will be reopened by the MBRC at around 0700. The dam level will rise slowly during the day and further releases may be required again tonight with more rainfall forecast. The current lake level is 39.42m AHD.

Somerset Dam

All regulators were closed at 2000 yesterday. The dam level is currently 98.95m AHD and rising slowly. Further regulator releases will take place today and again over the next few days to maintain the dam at the full supply level. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011; all sluice gates were closed on Monday 17 January 2011.

Wivenhoe Dam

The Lowood temporary pump station was relocated at 2100 yesterday. This relocation removed the need to continue high flow releases from the dam to ensure treated water supplies to Lowood are maintained. Discussions with BCC last night also concluded that tidal variations are primarily back to normal patterns and having a greater impact on the foundation conditions of Coronation Drive than the tapering of releases from the dam. Accordingly the radial gate close down sequence recommenced at 21:45 last night and all gates will be closed by 1600 today. The dam level when the last gate is closed will be around 66.90m AHD and a fish recovery operation will continue through most of the day during the close down sequence. Releases will continue through the regulator cone valve and possibly the Mini-Hydro (depending on when it can be re-started) to account for ongoing base-flow once all radial gates are closed.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s. The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres. It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy. A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on how the radial gate close down sequence progresses during the day:

- Water is clear of Fernvale Bridge and Mt Crosby Weir Bridge.
- Water should be clear of Burtons Bridge, Kholo Bridge and Savages Crossing tonight.
- Water should be clear of Colleges Crossing tomorrow.
- It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later today. The earliest that Twin Bridges would be clear of water is late this afternoon.

John Tibaldi
Duty Engineer
Flood Operations Centre

Phone: [redacted]
Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]
Sent: Wednesday, 19 January 2011 1:45 PM
To: [redacted]
Subject: Situation Report 1345 Wednesday 2011

Rainfall

No significant rainfall has been recorded in Wivenhoe, Somerset and North Pine dam catchments since 0900 Thursday. The forecast rainfall indicates that falls between 15 to 25mm with isolated heavier falls to 50mm are expected in the next 24 hours.

North Pine

A decision was made at 1900 Wednesday to drain the dam down to 39.40m AHD overnight to cater for the inflow resulting from Wednesday's storms and ensure that Youngs Crossing remains open during the day Thursday. All gates were closed at 0500 Thursday and a fish recovery operation also commenced at this time. Youngs Crossing was expected to be reopened by the MBRC at around 0700. The dam level will rise slowly during the day and further releases may be required again tonight with more rainfall forecast. The lake level was 39.43m AHD at 0700.

Somerset Dam

All regulators were closed at 2000 Wednesday. The dam level was 99.00 m AHD at 0700 Thursday and rising slowly. Further regulator releases may take place over the next few days to maintain the dam at the full supply level. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011; all sluice gates were closed on Monday 17 January 2011.

Wivenhoe Dam

All gates were closed at Wivenhoe at 1200 Thursday, with the dam level at 66.89m AHD at 1300. Following fish recovery and inspections, minor ongoing releases will be made for through the centre gate to account for ongoing small inflows. It is intended to drain down to 95%, approximately 66.5 m AHD.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s. The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

Strategy

A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on how the radial gate close down sequence progresses during the day:

- Water is clear of Fernvale Bridge and Mt Crosby Weir Bridge.
- Water should be clear of Burtons Bridge, Kholo Bridge and Savages Crossing tonight.
- Water should be clear of Colleges Crossing tomorrow.
- It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining

requirements and a decision will be made on this later Thursday.

The Flood Operations Centre is now closed and control of the dams has reverted to normal Seqwater operations. However, the FOC will continue to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [redacted]
Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Thursday, 20 January 2011 9:24 AM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; 'Flood Information Centre'; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi

Subject: FOC Situation Report at 09:30 on Thursday 20 January 2011

Rainfall

Severe thunderstorms again delivered rainfall over Wivenhoe, Somerset and North Pine dam catchments overnight. Catchment average rainfalls of 55 mm occurred in the Pine River, with isolated falls of 93 mm recorded at Mt Glorious.

The forecast rainfall indicates that falls of between 25 to 50mm are expected in the next 24 hours.

North Pine

North Pine Dam commenced gate operations at 01:00 on Thursday 20 January 2011 due to the runoff generated from the overnight storm. Currently five gates are open, releasing 150 m3/s. The lake level was 39.52m AHD at 09:00 and falling slowly.

Youngs Crossing remains closed.

Somerset Dam

All regulators were closed at 20:00 Tuesday 18 January 2011. The dam level was 99.07 m AHD at 06:30 on Thursday and rising slowly. Further regulator releases may take place over the next few days to maintain the dam at Full Supply Level (FSL).

Wivenhoe Dam

All gates were closed at Wivenhoe at 12:00 on Wednesday 19 January 2011. The current lake level is just below FSL and rising slowly due to the overnight storm inflows.

Operational releases will be made for through the centre gate to account for ongoing small inflows and to assist town water supply requirements. It is intended to drain down to 95%, approximately 66.5 m AHD.

Strategy

A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on the fresh in the Lockyer Creek (peak flow~200-250 m3/s) and any further rainfalls.

- Water is clear of Fernvale Bridge, Mt Crosby Weir Bridge, Kholo Bridge and Burtons Bridge
- Water from the fresh in the Lockyer Creek is likely to keep Savages Crossing and Colleges Crossing inundated for at least the next 24 hours.
- It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining

requirements and a decision will be made on this later Friday.

The Flood Operations Centre is re-mobilised for the North Pine Dam operations, but control of the Somerset and Wivenhoe dams has reverted to normal Seqwater operations. However, the FOC will continue to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Thursday, 20 January 2011 9:45 AM

To: [redacted]

Cc: Andy Bickerton; Deb Chandler; Mailbox; Tony Trace; Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; 'Flood Information Centre'; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi

Subject: Re-Issue: FOC Situation Report at 09:30 on Thursday 20 January 2011

Please delete the previous situation report and note that Wivenhoe Dam will now not be drained to 66.5 mAHD as previously indicated. Levels will be maintained at, or just below FSL.

Rainfall

Severe thunderstorms again delivered rainfall over Wivenhoe, Somerset and North Pine dam catchments overnight. Catchment average rainfalls of 55 mm occurred in the Pine River, with isolated falls of 93 mm recorded at Mt Glorious.

The forecast rainfall indicates that falls of between 25 to 50mm are expected in the next 24 hours.

North Pine

North Pine Dam commenced gate operations at 01:00 on Thursday 20 January 2011 due to the runoff generated from the overnight storm. Currently five gates are open, releasing 150 m3/s. The lake level was 39.52m AHD at 09:00 and falling slowly.

Youngs Crossing remains closed.

Somerset Dam

All regulators were closed at 20:00 Tuesday 18 January 2011. The dam level was 99.07 m AHD at 06:30 on Thursday and rising slowly. Further regulator releases may take place over the next few days to maintain the dam at Full Supply Level (FSL).

Wivenhoe Dam

All gates were closed at Wivenhoe at 12:00 on Wednesday 19 January 2011. The current lake level is just below FSL and rising slowly due to the overnight storm inflows.

Operational releases will be made for through the centre gate to account for ongoing small inflows and to assist town water supply requirements.

Strategy

A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on the fresh in the Lockyer Creek (peak flow~200-250 m3/s) and any further rainfalls.

- Water is clear of Fernvale Bridge, Mt Crosby Weir Bridge, Kholo Bridge and Burtons Bridge
- Water from the fresh in the Lockyer Creek is likely to keep Savages Crossing and Colleges Crossing inundated for at least the next 24 hours.

- It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later Friday.

The Flood Operations Centre is re-mobilised for the North Pine Dam operations, but control of the Somerset and Wivenhoe dams has reverted to normal Seqwater operations. However, the FOC will continue to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Tony Trace

From: Duty Engineer [redacted]

Sent: Thursday, 20 January 2011 3:07 PM

To: [redacted]

Cc: Chris Lavin; Craig Logan; Don Carroll; Evan Caswell; 'Flood Information Centre'; James Charalambous; Ken Morris; Robert McGlinn; Santina Pennisi; Tony Trace

Subject: FOC Situation Report at 15:00 on Thursday 20 January 2011

Rainfall

Severe thunderstorms delivered rainfall over Wivenhoe, Somerset and North Pine dam catchments overnight. Catchment average rainfalls of 55 mm occurred in the Pine River, with falls of 93 mm recorded at Mt Glorious.

Severe thunderstorm warnings issued earlier in the day have been cancelled, but localized storms are still affecting the catchments.

The QPF rainfall forecast indicates that falls of between 15 to 25 mm, with heavier storm falls of 50mm possible in the next 24 hours.

North Pine

North Pine Dam commenced gate operations at 01:00 on Thursday 20 January 2011 due to the runoff generated from the overnight storm. These gate operations ceased at 14:00 on Thursday 20 January 2011 with the lake level at 39.44 mAHD. MBRC have been advised that the operations have ceased and they will open Youngs Crossing by 16:00 today.

MBRC have also been warned that if further rainfall occurs tonight, gate operations may need to recommence again at 21:00.

Somerset Dam

All regulators were closed at 20:00 Tuesday 18 January 2011. The dam level was 99.09 m AHD at 15:00 on Thursday and rising slowly. Further regulator releases may take place over the next few days to maintain the dam at Full Supply Level (FSL).

Wivenhoe Dam

All gates were closed at Wivenhoe at 12:00 on Wednesday 19 January 2011. The current lake level is just below FSL and rising slowly due to the overnight storm inflows.

Operational releases may be made through the centre radial gate to account for ongoing small inflows and to assist town water supply requirements in the next few days.

Strategy

A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on the fresh in the Lockyer Creek (peak flow 250 m3/s) and any further rainfalls.

- Water is clear of Fernvale Bridge, Mt Crosby Weir Bridge, Kholo Bridge and Burtons Bridge

- Water from the fresh in the Lockyer Creek is likely to keep Savages Crossing and Colleges Crossing inundated for at least the next 24 hours.
- It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later Friday.

The Flood Operations Centre will monitor the situation in North Pine Dam overnight, but control of the Somerset and Wivenhoe dams has reverted to normal Seqwater operations. Remote monitoring will revert to the On Call Duty Engineer (Rob Ayre) from Friday 21 January 2011.

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [redacted]

Fax: [redacted]

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Frost, Blake

From: Brooke de Jong
Sent: Tuesday, 11 January 2011 7:15 PM
To: Carl Wulff
Subject: Fw: DDMG Assistance Evacuation Centres

Brooke Anderson

From: Tony Trace
To: Brooke de Jong
Sent: Tue Jan 11 13:38:52 2011
Subject: FW: DDMG Assistance Evacuation Centres

FYI

From: [redacted] **On Behalf Of** [redacted]
Sent: Tuesday, 11 January 2011 1:33 PM
To: Tony Trace
Subject: RE: DDMG Assistance Evacuation Centres

Tony,

Approval of the DDC is given to activate the Red Cross and their resources as listed below.

Troy Salton
Deputy XO Ipswich

From: Tony Trace [redacted]
Sent: Tuesday, 11 January 2011 1:23 PM
To: DDC.Ipswich[SR]
:: Tony Trace
Subject: FW: DDMG Assistance Evacuation Centres
Importance: High

Troy

Approval by DDC. Red Cross have been approached and are to provide support. Please advise of sign-ogg.

Tony

From: Brooke de Jong
Sent: Tuesday, 11 January 2011 12:50 PM
To: Tony Trace; Keryn Anderson
Cc: Geoffrey Doyle
Subject: DDMG Assistance Evacuation Centres

Hi Tony

We require a number of resources to establish some evacuation centre the first is at Ipswich Showgrounds;

Human Resources

- Registration
- Meal Provision and Food handling
- Security
- Traff Control
- First Aid / Medical Support

Physical Resources

- 5 Portable Cold Rooms
- 50 Porta Loos / Abolution Blocks
- 10 Pallets Bottle Water
- 250 Liquid Soap
- 250 Hand Sanitiser
- 20 Waste Bins
- 1000 Toilet Rolls
- 500 Deodorant
- 500 Hair Burshes
- 500 Tubes Tooth Paste
- 500 Tooth Brushes
- 250 Formula Tins (Various ages)
- 10 Streilisers
- 100 baby Bottles and pacifiers
- 50 Porta Cots
- 50 Baby Blankets
- 500 Beds / Camp Cots
- 500 Blankets
- Temporary pool Fencing 20 metres (flat feet)
- kids games
- TV
- DVD Player
- Games Console
- Soft Toys
- Soft Portable Flooring for Children
- 500 Packets of Wipes

Regards
Brooke de Jong | Home Assist Program Coordinator
IPSWICH CITY COUNCIL
[redacted] Ipswich Queensland 4305 Australia
T| [redacted] **F|** [redacted] **M|** [redacted]
E| [redacted] **W|** www.ipswich.qld.gov.au

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REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Bedding

OWN RESOURCES

☑ FULLY UTILISED ☐ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST Need to provide special needs bed elderly resident - 100 Cots/Stretch

DELIVERY

Where to? Ipswich Community Lodge Church 332 Ripley Rd, Ripley.

By when? 4:00pm

Transport type?

CONTACT

Name: Tony Trew Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☑ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted]

Signature

(Mayor/CEO/LDC/Delegate) [redacted]

Name

DATE: 12 / Jan / 2011 **TIME** 11 :00 hrs

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Trucks - All Terrain Vehicle

OWN RESOURCES

☐ FULLY UTILISED ☐ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

Evacuation Centre only accessible by 4WD Vehicle.

DELIVERY

Where to? Karalee Evacuation Centre.

By when? ASAP

Transport type?

CONTACT

Name: Tony Trace Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☐ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO Size Standard ute Weight 2 tonne + goods

AUTHORISING OFFICER [redacted]

Signature

(Mayor/CEO/LDC/Delegate) [redacted]

Name

DATE: 13 / Jan / 2011 **TIME** 14:30 **hrs**

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Generator

OWN RESOURCES

☐ FULLY UTILISED ☑ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

To supply power to Industrial Freezer (due to no power)

DELIVERY

Where to? City Town & Country. 6 Belar Street, Yamanto

By when?

Transport type?

CONTACT

Name: Tony Trace Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☑ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER

[redacted]

Signature

(Mayor/CEO/LDC/Delegate)

[redacted]

Name

DATE: 13 / Jan / 2011 **TIME** 13 : 15 **hrs**

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Cleaning Equipment

OWN RESOURCES

☐ FULLY UTILISED ☑ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

Cleaning equipment to clean mud and of houses.

DELIVERY

Where to? please contact Tony When sourced

By when?

Transport type?

Container to hold all items to then use as bucket
- ~~Hoses~~ Hoses x 2000
- Brooms x 2000
- Squeegies x 2000
- Disinfectant x 2000
- Pine-O-Clean x 2000
- gloves - x 2000
- Window cleaners 2000
- sugar soap x 2000
- Chux x 2000.

CONTACT

Name: Tony Trace Organisation: Ipswich LDMG

Address:

Telephone:

PRIORITY ☐ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours
☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted]
Signature

(Mayor/CEO/LDC/Delegate) [redacted]
Name

DATE: 13 Jan / 2011 **TIME** 11:17hrs

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Helicopter

OWN RESOURCES

☐ FULLY UTILISED ☑ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

need to deliver FIRST Aid equipment to Karalee School

DELIVERY

Where to? KARALEE STATE SCHOOL

By when? Today 12/1/2011

Transport type? Helicopter

CONTACT

Name: Tony TRACE Organisation: Ipswich LDMG

Address:

Telephone: [redacted]

PRIORITY ☑ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO Size Ute load Weight

AUTHORISING OFFICER [redacted]

Signature

(Mayor/CEO/LDC/Delegate) [redacted]

Name

DATE: 12/ Jan / 2011 **TIME** 11:15hrs

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Medical Supplies

OWN RESOURCES

☐ FULLY UTILISED ☑ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

Medical Supplies Karalee Evac Centre.

DELIVERY

Where to? Karalee Evac Centre

By when? ASAP

Transport type? 4WD.

CONTACT

Name: Tony Trace Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☐ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted]

Signature

(Mayor/CEO/LDC/Delegate) [redacted]

Name

DATE: 13/ Jan / 2011 **TIME** 16:34 hrs

Karalee Supply Requirements

- IV Infusion units
- Non stick dressing
- BSC Kit
- Bandages
- Chlorhexidine
- Hydrolyte
- Sub cut needles
- Draw up needles
- Syringes – 2ml, 5ml & 10ml
- Alcohol Wipes
- Lemonade
- Gloves – small, medium and large
- Thermometers
- Glycogen pens
- Collars – stiff necks – all sizes
- Space blankets
- Normal saline
- IH bag
- 0.9% Sodium
- Betadine

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Redcross Assistance.

OWN RESOURCES

☐ FULLY UTILISED ☐ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

Staffing Evacuation Centres

DELIVERY

Where to? Boys Grammar, Girls Grammar + St Joseph's. + Karalee

By when? ASAP

Transport type?

CONTACT

Name: Tony Trace Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☐ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted]

Signature

(Mayor/CEO/LDC/Delegate) [redacted]

Name

DATE: 13/ Jan / 2011 **TIME** 17:05 hrs

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Medication Required

OWN RESOURCES

☐ FULLY UTILISED ☐ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

Request for medication - as per attached

DELIVERY

Where to? Karalee Evac Centre

By when?

Transport type? 4WD

CONTACT

Name: Tony Trace Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☐ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted]

Signature

(Mayor/CEO/LDC/Delegate) [redacted]

Name

DATE: 13/ Jan / 2011 **TIME** 19:00hrs

Senior Sargent Terry Cantwell and the Clinical Nurse from Mental Health that is volunteering there have called this through and would like to see if we can call Senior Sargent Terry Cantwell back with an ETA. his contact number is [redacted]
They have also asked if we can include the patients name on the box of their medication.

These are the two most urgent:

Name: Lez Smith (6 Elizabeth Street Karalee)
CARDIAC MEDICATION
Enalapril 20mg 1 box
Lexapro 10mg 1 box

Name: Morgan Riecks
Keppra 4mg 2 box
Singular 4mg 1 Box

Box of tetanus Injections
Battery packs for defibrillators

Name: Stacey Arnold
Perindo Tablets 4mg 1 box

Name: Nigel Flynn
Pristiq 100mg 1 box

Name: Julie Partridge
Ventolin Aero100

Name: Joyce Cox
Valium 5mg 1 box
Melezide 1 box
Prothidan 1 box
Mogadon 1 box

Name: Derek McGregor
Gopten 4mg 1 box
Norvasc 1 box

Name: Joanne Atkins
Oxypodone 15mg
Controlled Release 1 box

Name: Alan Atkins
Avanza 30mg 1 box

Name: Suzanne Osullivan
Oxis Turbo Haler 12mcg/60D1

Name: Olivia Fischer
Amoxycillin Clav Ac syrup 400-57NG/5ml 60ML

Name: Alice Atkins
Valium 5mg 1 box

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Goods Required at Evacuation Centres.

OWN RESOURCES

☐ FULLY UTILISED ☑ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

Stocking Evacuation Centres (as per attached).

DELIVERY

Where to? Ipswich Show Grounds & Ripley

By when? ASAP

Transport type?

CONTACT

Name: Tony Trace Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☑ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted]

Signature

(Mayor/CEO/LDC/Delegate) [redacted]

Name

DATE: 14/ Jan / 2011 **TIME** 08:17 **hrs**

Ipswich Show Grounds
5 x Pallets of water
600 Towels
200 Hospital Blankets

Ripley Church
3 x Pallets of water
20 boxes of baby whips
5 boxes of disposable gloves
100 Kylie Disposables (sheet liner)
200 Sheets (linen)
100 Towels

Bradley Clarkson - [redacted]

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Mobile Freezer

OWN RESOURCES

☐ FULLY UTILISED ☑ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

Cold Room for Evacuation Centre at Karalee School

DELIVERY

Where to? Karalee

By when?

Transport type?

CONTACT

Name: Tony Trace Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☐ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted]

Signature

(Mayor/CEO/LDC/Delegate) [redacted]

Name

DATE: 14/ Jan / 2011 **TIME** 11:16hrs

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: EHO's

OWN RESOURCES

☐ FULLY UTILISED ☑ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

To assist council with Public Health Issues at Evac Centres & Recovery Management Issues

DELIVERY

Where to? Please contact Tony when sourced.

By when?

Transport type?

CONTACT

Name: Tony Trace Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☐ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted]

Signature

(Mayor/CEO/LDC/Delegate) [redacted]

Name

DATE: 14 / Jan / 2011 **TIME** 11 :21 **hrs**

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Request for Resources from GCCC

OWN RESOURCES

☐ FULLY UTILISED ☑ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

Request for Crews from GCCC as per the attached

DELIVERY

Where to? Riverview Depot, Kenneth St Riverview

By when? 6.30 am, Monday 17 January 2011

Transport type? -

CONTACT

Name: Tony Rose Trace DRABBLE Organisation: **Ipswich LDMG**

Address:

Telephone: [redacted]

PRIORITY ☐ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours

☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted] Signature

(Mayor/CEO/LDC/Delegate) [redacted] Name

DATE: 15/1/ Jan / 2011 **TIME** 16 : 10 hrs

This request has been filled.

REQUEST FOR ASSISTANCE

IPSWICH Local Disaster Co-ordination Centre

TO: DISASTER DISTRICT CO-ORDINATOR

FROM: IPSWICH LOCAL DISASTER CO-ORDINATOR

OPERATION: January Floods 2011 **REQUEST NUMBER:**

SUBJECT: Cleaning Equipment

OWN RESOURCES

☐ FULLY UTILISED ☒ NOT APPROPRIATE ☐ OTHER:

PURPOSE/ NATURE OF REQUEST

Cleaning equipment to clean mud out of houses.

DELIVERY

Where to? please contact Tony When sourced

By when?

Transport type?

Containers to hold all items to then use as bucket
- ~~Hoses~~ x 2000 - gloves - x 2000
- Brooms x 2000 - window cleaner x 2000
- Squeegies x 2000 - sugar soap x 2000
- Disinfectant x 2000 - Chux x 2000.
- Pine-O-Clean x 2000

CONTACT

Name: Tony Trace Organisation: Ipswich LDMG

Address:

Telephone:

PRIORITY ☐ URGENT ☐ 12 Hours ☐ 24 Hours ☐ 72 Hours
☐ NON URGENT

CARGO

Size Weight

AUTHORISING OFFICER [redacted]
Signature

(Mayor/CEO/LDC/Delegate) [redacted]
Name

DATE: 13 Jan / 2011 **TIME** 11:17hrs

Ipswich City
Local Recovery Group

Flood Recovery Plan

Version: 1.1.5

Flood Recovery Plan Version Control:

Version	Date	Prepared By	Comments
1.1	15.01.2011	Keryn Anderson	Draft
1.1.1	28.01.2011	Tony Trace	Amended Draft
1.1.2	31.01.2011	Tony Trace	Update of Structure and Appendix 3
1.1.3	03.02.2011	Tony Trace	Update with identified changes in relation to "Forward Planning".
1.1.4	4.02.2011	Tony Trace	Includes changes from John Adams and Craig Maudsley.
1.1.5	14.02.2011	Tony Trace	

Date Date

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Appendix 1: Terms of Reference of the Recovery Coordinator

Appendix 2: Proposed Ipswich City Operational Flood Recovery Group Structure

Appendix 3: Recovery Currently Underway

Appendix 4: Abbreviations

Appendix 5: Draft Agenda for Sub Group Meetings

1. Introduction

1.1 Local Environment

Size of District (km2)	Approx. 1,205 km^2
Population	Approx. 170,000 – Residents come from 155 different ethnic backgrounds speaking 113 different languages, largest being English followed by Samoan. Other ethnic groups include indigenous Australian aboriginal groups, Laotian, Tongan, Vietnamese, Latin American, Filipino, Malaysian, Dutch and German. Age profile of the community is; 0-4 years: 8% 5 -14 years: 16% 15-24 years: 15% 25-54 years: 42% 55-64 years: 10% 64 years & over: 10%
Geography	Ipswich City lies predominately in the Bremer Creek Catchments, with the major systems being the; ▪ Brisbane River, ▪ Bremer River, ▪ Purga Creek ▪ Warrill Creek ▪ Western Creek, and ▪ Franklin Vale Creek as well as the following local systems: ▪ Woogaroo Creek ▪ Goodna Creek ▪ Six Mile Creek ▪ Bundamba Creek ▪ Black Snake Creek ▪ Mihi Creek ▪ Iron Pot Creek ▪ Sand Creek (Tivoli) ▪ Deebing Creek, and ▪ Sandy Creek (Camira) Natural vegetation types in the area are the most diverse in SEQ and include rainforest, dry vine forest, soft-wood forest, open forest, woodland, heathland, wetlands, grasslands and valleys with hills with elevations up to approximately 300m. Ipswich City shares a boundary with Brisbane City to the north and north east, Logan City to the south-east, Scenic Rim Region to the south, Lockyer Valley Region to the west and Somerset Region to the west and north-west.
Climate and weather	Moist sup-tropical with seasonal rainfall pattern, the heaviest occurring during the summer months and usually associated with cyclones or

	summer storms. Average rainfall is 876mm per year.
Industry	Diversified covering a range of industries including; ▪ Coal ▪ Railway Workshops ▪ Livestock Slaughtering ▪ Meat processing ▪ Timber products and Aluminium Manufacturing ▪ Power generation ▪ Clay-pavers production ▪ Heavy Engineering manufacturing ▪ Defence (RAAF Base and Aerospace Industry) There are major (regionally significant) business and industry areas at Carole Park, Redbank, Swanbank/New Chum, Bundamba/Riverview, Wulkuraka/Karrabin and Ebenezer/Willowbank, supported by a network of local business and industry areas containing manly light industries/service trades uses. There is a strong network of major retail/commercial/community centres at Ipswich City Centre, Springfield, Goodna, Redbank, Redbank Plains, Booval, Karalee, Brassall, Yamanto and Rosewood, supported by an extensive network of neighbourhood and local centres.
Infrastructure	▪ Council Administration Complex ▪ SES depots located at Thorn St, Goodna, Rosewood, and Marburg ▪ Ipswich Hospital ▪ St Andrews Private Hospital ▪ Day Surgery facilities ▪ Community Health centres at Ipswich and Goodna ▪ Queensland Ambulance Service facilities in Ipswich, Redbank and Rosewood ▪ Queensland Fire and Rescue Services in Ipswich and Bundamba with auxiliary stations in Rosewood, Marburg and Harrisville ▪ Police District Headquarters at Ipswich ▪ Police stations at Ipswich, Rosewood, Marburg, Goodna, Booval, Yamanto and Harrisville ▪ Amberley Air Base ▪ University of Queensland Ipswich Campus ▪ University of Southern Queensland Springfield campus ▪ Bremer Institute of TAFE campuses ▪ Civic Hall ▪ Art Gallery ▪ Court House ▪ Regional offices of state government departments ▪ Swimming Pools ▪ Race Course ▪ Motor Sport precinct ▪ Ivory Rock Conference Centre ▪ Numerous primary and secondary schools (both public and private)

	and churches. ▪ There are numerous commercial and industrial buildings throughout Ipswich City.
Essential Services	<u>Water Supply:</u> Potable water is obtained from the Queensland Urban Utilities treatment facility at Mount Crosby via 4 trunk mains and is distributed to 26 service reservoirs and towers. A network of trunk and distribution mains together with pump stations, owned and operated by Queensland Urban Utilities, reticulate the water to properties within the local government area. <u>Sewerage:</u> The majority of the urban areas of the city are serviced by a sewerage reticulation network. The network consists of asbestos cement (AC), poly-vinyl-chloride (PVC) and vitreous clay (VC) pipe and 62 pump stations. Sewerage is treated by Queensland Urban Utilities at 4 treatment plants located at Bundamba, Carole Park, Goodna and Rosewood. <u>Electricity:</u> Bulk power is sourced from Queensland electricity grid operated by Powerlink which is fed to Blackwall Switching station via a series of high voltage transmission lines. Energex operates the reticulation network consisting of 15 sub-stations and approximately 200km of high and low voltage reticulation lines, the bulk of which is located above ground. New estates may have their electricity reticulation network underground. <u>Disaster Telecommunications:</u> Most of the communications system comprises of underground cables and telephone exchanges operated by Telstra. There are a number mobile telephone towers which are operated by Telstra, Optus and other network providers.
Transport Routes	Ipswich City is reliant on road and rail access to outside areas to enable delivery of resources during an event. The Ipswich Motorway provides the link to Brisbane, the Warrego Highway to Toowoomba and the Cunningham Highway to Boonah, Beaudesert and Warwick. The Brisbane Valley Highway provides the link to Esk. The railway line links Ipswich to Brisbane and west to Rosewood and Toowoomba. There are no rail services to Boonah, Beaudesert, Warwick or Esk. RAAF Base Amberley is located within Ipswich City and could provide emergency air services with the assistance of the RAAF. The closest commercial Airports are in Brisbane, Gold Coast and Toowoomba. There are also a small number of privately owned landing fields including those at Boonah (owned by Council).

1.2 Disaster Recovery Plan

This Flood Recovery Plan is the post-event plan, prepared follo
as a result of a weather system which produced heavy rainfall c
Creek and Bremer River catchments during late December 201
This weather system affected numerous local government area
devastating outcomes in terms of loss of human life, destructio
infrastructure and displacement of many communities.

The Ipswich City Local Recovery Group will be established and
Agencies and the community to implement this plan in the Ipsv
area.

1.3 Background

A rare combination of meteorological factors contributed to th
system which produced rainfall up to and over 600mm in areas
Queensland from early December 2010 through to early Januar
major flood events in numerous local government areas across
West Queensland, South-East Queensland and Wide Bay- Burn

The January 2011 event saw the Bremer River at Ipswich peak a
January 2011. This level of flooding has not been experienced i
flood peak of 20.7m.

With the combination of the Warrill, Western Bremer and Brisk
major flood levels, a number of areas were inundated by flood
Pocket, Brassall, Bundamba, East Ipswich, Goodna, Ipswich CBD
Marburg, Moore's Pocket, North Booval, North Ipswich, One M
Rosewood, Thagoona, Tivoli and West Ipswich.

As a consequence residents and business owners evacuated th
family or friends or to the 12 evacuation centres which were es
1,800 – 2,000 people attended these centres throughout the cr
receive meals due to power outages.

Of particular concern were the isolated suburbs, including Kara
Redbank, Rosewood and Leichhardt/One Mile/Wulkuraka whi
days due to flood waters. Other concerns included extended lc
to food and other essential services, onsite sewage system failu

The event lead to several local government areas being disaste
under the Natural Disaster Relief and Recovery Arrangement (N
will assist Ipswich City Council to facilitate the restoration of es
as well as assist with clean up and removal of debris.

2. Principles for Disaster Recovery

Recovery services assist the affected community towards management of it's own recovery. Recovery recognises that where a community experiences a significant emergency or disaster there is a need to supplement the personal, family and community structures which have been disrupted.

In 1986 the Standing Committee of Social Welfare Administrators (now the Community Services Ministers' Advisory Council) endorsed principles of disaster recovery management.

These state that in part, disaster recovery is most effective when:

- Management arrangements recognise that recovery from disaster is a complex, dynamic and protracted process;
- Agreed plans and management arrangements are well understood by the community and all disaster management agencies;
- Recovery agencies are properly integrated into disaster management arrangements;
- Community services and reconstruction agencies have input to key decision-making;
- Conducted with the active participation of the affected community (thus giving ownership of recovery to this group);
- Recovery managers are involved from initial briefings onwards;
- Recovery services are provided in a timely, fair, equitable and flexible manner; and
- Supported by training programs and exercises.
- Enterprise Parks impacted

Successful recovery relies upon:

- **COMMUNITY** led approaches;
- **COORDINATION** of all activities;
- Effective **COMMUNICATION;** and
- Acknowledging and building **CAPACITY**

The context for disaster recovery is a complex issue.

- Recovery is a long, challenging process that must recognise community diversity.
- Affected individuals and communities have diverse needs, wants and expectations.
- Swift action is both crucial and expected as community demands evolve rapidly.
- Disaster effects and interventions may create long term legacies.
- Too many "fingers in the pie" create complex organisational relationships.
- A variety of strategies is required to address diverse effects and impacts.
- Existing community values and knowledge may conflict with external intentions.
- An environment of grief or blame may affect those involved.

COMMUNITY LED APPROACHES

Successful recovery is responsive and flexible, engaging and empowering communities to move forward positively.

Recovery activities should:

- Consider and address the needs of multiple affected communities.
- Utilise, and develop community knowledge, leadership, and resilience.
- Provide an opportunity to improve previous conditions through enhancement of local economies, infrastructure, social and natural environments prior to reconstruction.
- Cater for communities that choose different paths to recovery.
- Ensure programs and services are flexible and adaptable, to meet the specific and changing needs of affected communities.
- Build strong partnerships between communities and all support agencies.

COORDINATION OF ALL ACTIVITIES

Successful recovery requires a coordinated and adaptive approach.

Recovery activities should:

- Be driven by those with experience and expertise, using skilled and trusted leadership.
- Be part of a holistic approach to disaster management.
- Utilise relationships created before and after a disaster, with no one working in isolation.
- Have clearly articulated and shared goals that are directly connected to desired outcomes.
- Be flexible to ensure that changes in community needs or stakeholder expectations are addressed.

EFFECTIVE **COMMUNICATION**

Successful recovery is built on effective communication with affected communities and other stakeholders.

Recovery activities should:

- Ensure all communication is relevant, timely, clear, accurate, targeted and credible.
- Recognise that communication with a community is two-way and that feedback should be both sought and considered.
- Ensure that information is accessible to all audiences in diverse situations and is provided through a range of mediums.
- Establish mechanisms for coordinated and consistent communication with all organisations and individuals.
- Ensure open communication with the affected community over an extended time.
- Repeat key messages to ensure information is available when recovery audiences are receptive.

ACKNOWLEDGING AND BUILDING **CAPACITY**

Successful recovery recognises, supports and builds on community and organisational capacity.

Recovery activities should:

- Provide appropriate support to people working in stressful situations.
- Quickly identify and mobilise community skills and resources.
- Establish a best-fit between identified need and support.
- Support the development of self-reliance.
- Recognise the window of opportunity that is offered to enhance community resilience, improve conditions, and build long term sustainability.
- Allow and enable individuals, families and communities to manage their own recovery.
- Provide a potential catalyst for ongoing disaster management development strategies.

3. Current situation - Immediate Recovery

Currently, immediate/short term recovery is coordinated through the existing disaster management arrangements in Ipswich. A summary of impact assessment to date and recovery progress is provided in *Appendix 3: Recovery Currently Underway*.

The Appendix provides information on:

- impact assessment to date
- recovery completed/undertaken to date for each functional area of recovery (human-social, economic, infrastructure, environment)
- tactical issues to be considered.

A transitional phase from response to recovery commenced on Friday 21 January, 2011.

4. Impact Assessment

Only a proportion of the impact can be assessed at the present time. A more in depth impact assessment will be presented as Appendix 3 to the Plan when complete.

Impact Assessments available to date	
HUMAN/SOCIAL RECOVERY: Communities were isolated during this flood event, including Karalee, North Ipswich/Brassall, Redbank, Rosewood and Leichhardt/One Mile/Wulkuraka.	
Approximately 8,663 properties impacted. Electricity supply was cut to large areas of Ipswich, including over 4000 properties in unaffected areas as well as 1,181 inundated properties. Approximately 750 – 1000 households have been assessed by QFS as damaged by flood water. Initial Impact to Ipswich community includes;	
Boat Ramps	8
Caravan & Tourist Parks	1
Centrelink	1
Child Care Centres And Kindergartens	11
Clubs	19
Community Centres And Neighbourhood Houses	1
Council Depots	1
Estate Names	2
Funeral Directors	1
Geographic Features	78
Golf Clubs And Courses	2
Golf Driving Ranges	2
Guide Halls	1
Horse Riding	2
Hotels, Motels & Accommodation	13
Indoor Sports Venues	1
Law Courts	1
Parks, Ovals And Recreation Areas	108
Petrol Stations	2
Places Of Interest	14
Places Of Worship	10
Post Offices	2
Public Transport	1
Racing Tracks	1
RACQ Offices	1
Reception And Conference Centres	2
Restaurants	11
Retirement Villages	5
Schools	6
Scout Halls	4
Shopping Centres	6
Skate Facilities	5

Swimming Pools	4
Tab	3
Tennis Clubs And Courts	2
Tenpin Bowling	1
Walking Tracks	1
Youth Clubs & Centres	1
Grand Total	**344**

Evacuation Centres set up on 11 January 2011

LOCATION	Commenced	MAX CAPACITY	CAPACITY	
			Sleeping	Feeding
Riverview Community Centre	11/1/11	50	60	300
Redbank Evacuation Centre	11/1/11	60	60	100
Boys Grammar	11/1/11	170	180	180
Girls Grammar	11/1/11	200	200	200
Showgrounds Salisbury Road, Ipswich	11/1/11	690	600	600
St Josephs Nth Ipswich	11/1/11	140	100	100
Shiloh Goodna	11/1/11	70	120	200
Christian outreach Redbank Plains Rd Goodna	11/1/11	60	60	60
Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	170	170
Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	80	80
Karalee State School	11/1/11	370	300	300
Country Comfort Motel – frail aged couple			2	2
Metro Hotel – suspected chicken pox			3	3
		Total	**1935**	**2295**

Communities need assistance, advise and assistance given by Department of Communities:

1,815 Evacuees needed assistance with housing or return to homes.

Economic Recovery

Businesses impacted: over 500 directly impacted, secondary impact to supply chains still to be determined. Home based business have also been affected, however they are not able to be contacted or represented in these figures .

What agricultural impact did the event have? minimal impact on agricultural industry in the Ipswich region.

Number of employees impacted ? Approx 1,700 employees directly. Indirect affect on supply chains undeterminable at this stage.

Commercial Rail Services disrupted by landslides and bridge wash outs.
Problems with under-insurance and non-insurance.

Infrastructure Recovery
In total, approximately 7,221 buildings in flood zone. 750-1,000 houses identified as flood affected by QFS with assessment continuing. Energex issued 1,181 Form 3's to properties inundated by flood waters
Approx 766 roads have sustained various levels of damage
Numerous Council owned buildings and properties have been damaged.
State agencies continue to assess damage to state owned property. Approximately 85 Government owned units of residential accommodation. Of this there is 37 houses and 49 units and duplex style accommodation. Also 4 local schools were impacted, being Ipswich SHS, Bundamba SS, Brassall SS and East Ipswich SS.
Water Services for the majority of Ipswich area were not impacted, except for; ⇒ Boiling of water for Marburg area ⇒ Discoloured water in Karalee Area
Sewerage Services were impacted by flood waters, in terms; ⇒ 29 Pump stations being out of service ⇒ Bundamba and Goodna Wastewater treatment plants being out of service.
Rosewood to Brisbane passenger Rail line closed.
Commercial Rail Services disrupted by landslides and bridge wash outs.
Electricity supply was cut to large areas of Ipswich, including over 4,000 properties in unaffected areas as well as 1,181 inundated properties.
Telstra network initial impact was mostly power related however all key sites were supported by generators. Key equipment within the Ipswich Exchange was not impacted by flood water. Only major damage to Telstra infrastructure was a roadside cabinet (RIM) at Bundamba which was inundated with water .
Environmental Recovery
In total, approximately 8,663 properties in flood zone, requiring; ⇒ Disposal of flood and building debris. ⇒ Disposal of Hazardous waste ⇒ Flooding of septic tanks in unsewered areas ⇒ Mosquito breeding (Vector control)
Environment Impacts to River banks and catchments and nature reserves.

5. Recovery Arrangements

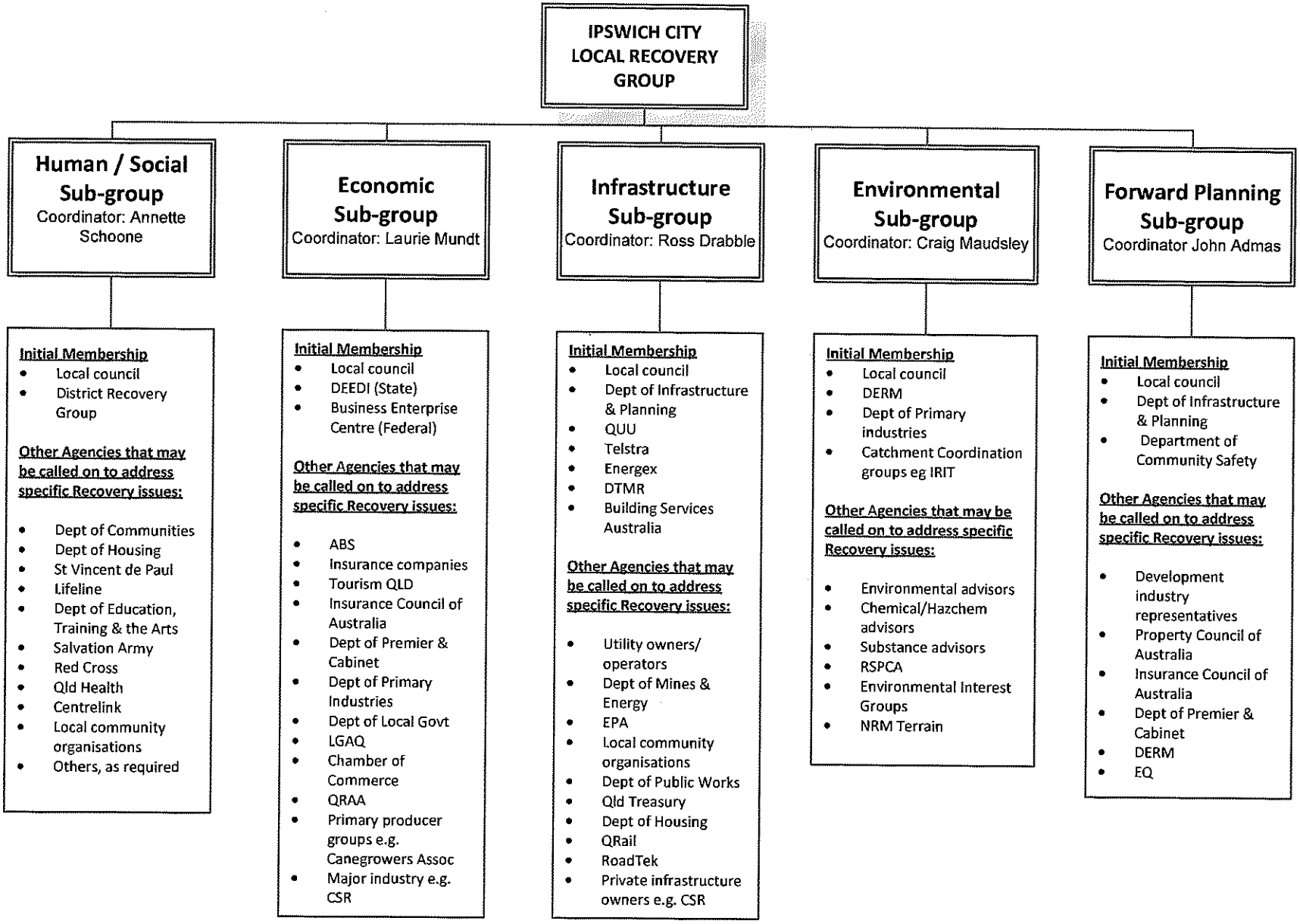
5.1 Governance Structure

The Ipswich City Local Flood Recovery Group will comprise of:

- Chair of the Ipswich City Local Flood Recovery Group (Local Recovery Coordinator, LRC) and Chair of the Ipswich Local Disaster Management Group, Mayor Cr Paul Pisasale
- Deputy Chair of the Ipswich Local Disaster Management Group, Cr Trevor Nardi
- Deputy Mayor of Ipswich, Cr Victor Attwood
- Chair of Planning and Development Committee, Cr Paul Tully
- Chief Executive Officer, Mr Carl Wulff

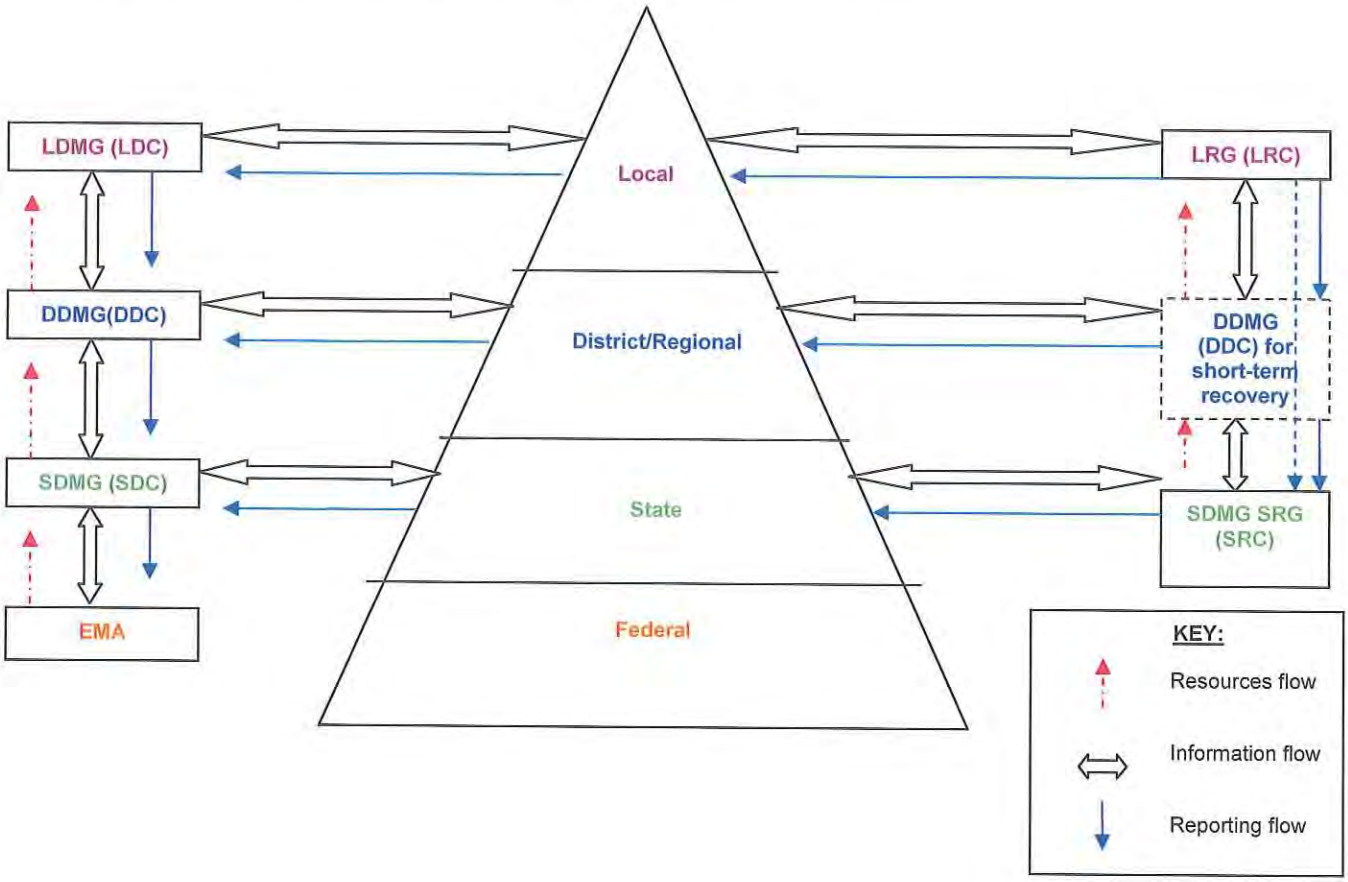
Meetings of the Group and decisions made by the Group shall be through this core structure, with reporting from the coordinators of each of the five sub-recovery groups to the core group.

The Ipswich City Local Flood Recovery Group structure is shown in Diagram 1 on the following page:


IPSWICH CITY LOCAL RECOVERY GROUP
Human / Social Sub-group
Coordinator: Annette Schoone
Initial Membership
Local council
District Recovery Group
Other Agencies that may be called on to address specific Recovery issues:
Dept of Communities
Dept of Housing
St Vincent de Paul
Lifeline
Dept of Education, Training & the Arts
Salvation Army
Red Cross
Qld Health
Centrelink
Local community organisations
Others, as required
Economic Sub-group
Coordinator: Laurie Mundt
Initial Membership
Local council
DEEDI (State)
Business Enterprise Centre (Federal)
Other Agencies that may be called on to address specific Recovery issues:
ABS
Insurance companies
Tourism QLD
Insurance Council of Australia
Dept of Premier & Cabinet
Dept of Primary Industries
Dept of Local Govt
LGAQ
Chamber of Commerce
QRAA
Primary producer groups e.g. Canegrowers Assoc
Major industry e.g. CSR
Infrastructure Sub-group
Coordinator: Ross Drabble
Initial Membership
Local council
Dept of Infrastructure & Planning
QUU
Telstra
Energex
DTMR
Building Services Australia
Other Agencies that may be called on to address specific Recovery issues:
Utility owners/ operators
Dept of Mines & Energy
EPA
Local community organisations
Dept of Public Works
Qld Treasury
Dept of Housing
QRail
RoadTek
Private infrastructure owners e.g. CSR
Environmental Sub-group
Coordinator: Craig Maudsley
Initial Membership
Local council
DERM
Dept of Primary industries
Catchment Coordination groups eg IRIT
Other Agencies that may be called on to address specific Recovery issues:
Environmental advisors
Chemical/Hazchem advisors
Substance advisors
RSPCA
Environmental Interest Groups
NRM Terrain
Forward Planning Sub-group
Coordinator John Admas
Initial Membership
Local council
Dept of Infrastructure & Planning
Department of Community Safety
Other Agencies that may be called on to address specific Recovery issues:
Development industry representatives
Property Council of Australia
Insurance Council of Australia
Dept of Premier & Cabinet
DERM
EQ

5.2 Reporting Structure

Diagram 2 below, illustrates the reporting structure for recovery:



SDMG

5.3 Terms of Reference of the Local Recovery Coordinator (LRC) and Ipswich City Local Flood Recovery Group

Terms of Reference for the LRC:

The terms of reference for the LRC can be found in *Appendix 1*

Terms of reference for the Ipswich City Local Flood Recovery Group:

- Assess the impacts of the flooding.
- Identify and prioritise major areas of recovery.
- Develop and implement effective strategies for community participation and partnership in the recovery process.
- Develop medium and long term recovery policies and strategies.
- Ensure the community is well informed of the recovery process and progress.
- Develop and implement the Action Plan.
- Identify and obtain required resources.
- Provide effective on-site leadership, to focus all necessary resources, and to achieve the most efficient and effective recovery of affected communities.
- Monitor recovery activities.
- Develop a final report at the conclusion of recovery operation.

5.4 Economic Recovery

Economic recovery will be coordinated through the Economic Recovery Sub-group.

Role: This sub-group is to coordinate planning and implementation of economic and financial recovery.

Responsibilities:

- Work with insurance sector to ensure adequacy and a speedy process of insurance cover payments.
- Assess impact on key economic assets.
- Assess employment issues and capacity of local business to operate.
- Facilitate business, industry and regional economic recovery and renewal.
- Develop industry and business recovery plan and implementation strategies in conjunction with local government, relevant State Government agencies, regional economic development organisations and industry bodies.
- Facilitate financial assistance, access to funds and loans and employer subsidies.
- Monitor the impacts of the flood on Ipswich City Local Government area's economic viability and develop strategies to minimise the effects on individuals and businesses.
- Where required, facilitate linkages with job providers and employment agencies to source labour, to re-establish supply chains and joint marketing activities.
- Support small to medium enterprise (e.g. referral, business assistance).
- Identify options for improvement or adjustment from current business operations, were required.
- Assist with contract arrangements where required.
- Ensure involvement of local business and industry representatives in decision making.
- Ensure that the recovery plan informs broader planning and decision making activities across government and non-government agencies.

Reporting Responsibilities:

- The Sub Group is to meet as required at the discretion of the coordinator of the sub group.
- Agendas and Minutes of meetings to be copied to Chair, Ipswich City Local Flood Recovery Group.

Sub-group composition:

Suggested members:

- Ipswich City Council Economic Development representatives
- Department of Employment, Economic Development and Innovation
- Queensland Treasury
- Insurance Council Australia
- Department of Premier and Cabinet
- Department of Environment and Resource Management
- Local Government Association of Queensland
- Chamber of Commerce

Supporting organisations:

- Australian Bureau of Statistics
- Insurance companies

5.5 Human-Social Recovery

Human-social recovery will be coordinated through the Human - Social Recovery Sub-group.

Role: This sub-group is to coordinate planning and implementation of recovery in the areas of safety and well-being, physical and psychological health, and social aspects.

Responsibilities:

- Assess the impact of the flooding event on human and social aspects.
- Manage financial and welfare support.
- Coordinate information provision and personal support.
- Coordinate psychological and counselling services.
- Coordinate ongoing medical and health services.
- Coordinate temporary accommodation.
- Assist with a coordinated approach to housing related matters.
- Provide specialist and outreach services.
- Coordinate case management, community development, support and referral to assist affected people, families and groups.
- Coordinate One Stop Shops/Recovery Centres.
- Coordinate re-opening of education facilities.
- Work with local government and community leadership groups to enable learning from their flood experiences in order to better prepare for the future adverse events.

Reporting Responsibilities:

- The Sub Group is to meet as required at the discretion of the coordinator of the Human-Social Recovery Sub Group
- Agendas and Minutes of meetings to be copied to Chair, Ipswich City Local Flood Recovery Group

Sub-group composition:

Suggested members:

- Ipswich City Council Community Development representatives
- Ipswich City Council HPR representatives
- Department of Communities
- Queensland Health
- Australian Red Cross
- Local Government Association
- Local Community Organisations

Supporting organisations:

- Centrelink
- St Vincent de Paul
- Queensland Police Service
- Lifeline
- Department of Education and Training
- Salvation Army
- others as required.

5.6 Infrastructure Recovery

Built environment recovery will be coordinated through the Infrastructure Recovery Sub-group.

Role: This sub-group is to coordinate planning and implementation of housing, commercial and industrial buildings and structures, physical infrastructure (including power, water, telecommunications, transport) recovery in the city.

Responsibilities:

- Assess damage to housing stock, commercial and industrial buildings and structures, rural structures, and infrastructure facilities.
- Coordinate building safety inspection services and secure damaged buildings and structures.
- Coordinate demolition of unsafe buildings and structures.
- Coordinate recovery of infrastructure, which is normally undertaken by infrastructure owners and operators (e.g. Telstra, Origin, Energex etc.).
- Coordinate restoration of sporting facilities and public playgrounds.
- Prioritise repair and reconstruction activities where appropriate.
- Ensure relevant owners/operators are involved in the decision making process.
- Ensure community consultation and involvement in the decision making process.
- Ensure flood risk reduction is considered in planning of rebuilding and reconstruction.

Reporting Responsibilities:

- The Sub Group is to meet as required at the discretion of the coordinator of the Infrastructure Sub Group.
- Agendas and Minutes of meetings to be copied to Chair, Ipswich City Local Flood Recovery Group.

Sub-group composition:

Suggested members:

- Ipswich City Council Engineering Services representatives
- Ipswich City Council Health, Parks and Recreation Construction representatives
- Ipswich City Council Planning and Development representatives
- Department of Infrastructure and Planning
- Local Government Association
- Department of Public Works

- Building Services Authority
- Queensland Treasury
- Department of Housing
- Queensland Transport and Main Roads

Supporting organisations:
- Utility owners / operators (Telstra, QUU, Optus, Energex, Origin)
- Insurance Council of Australia
- others as required.

5.7 Environmental Recovery

Environmental recovery will be coordinated through the Environmental Recovery Sub-group.

Role: This sub-group is to coordinate recovery of the natural environment.

Responsibilities:
- Coordinate assessment of the flooding on the natural environment (e.g. water quality, ecological impact, pollution).
- Provide advice on potential environmental issues (e.g. water quality).
- Coordinate rehabilitation of natural environment including parks, waterways and wildlife.
- Consider mitigation strategies to reduce future impacts on natural environment where appropriate.
- Monitor issues of pollution.
- Coordinate disposal of hazardous material, debris etc.
- Coordinate waste management and disposals.
- Ensure there is effective consultation and communication with the community and relevant organisations.
- Ensure environmental bodies and interest groups are involved in the decision making process.
- Monitor and assess the environmental consequences of cleanup operations.
- Monitor and assess animal welfare issues.
- Develop a strategy to maximize use of local resources during clean up and restoration activities.
- Coordinate public health advice warnings and directions to combatants and the community.

Reporting Responsibilities:
- The Sub Group is to meet as required at the discretion of the coordinator of the Environmental Recovery Sub Group
- Agendas and Minutes of meetings to be copied to Chair, Ipswich City Local Flood Recovery Group

Sub-group composition:
Suggested members:
- Department of Environment and Resource Management
- Ipswich City Council HPR Natural Area Planning and Partnerships representatives

Supporting organisations:
- Environmental Advisors
- Chemical and Hazardous Substance Advisors
- Environmental Interest Groups.

5.8 Forward Planning

Development and implementation of post-event recommendations relating to land use planning and development related activities will be coordinated through the Forward Planning Sub-group.

Role: This sub-group is to coordinate development and implementation of recommendations to improve the preparation and planning for future flood threats and risks, particularly where relating to land use planning and development related activities.

Responsibilities:
- Work with all levels of Government and industry to ensure that appropriate, feasible and cost effective improvements are implemented.

Reporting Responsibilities:
- The Sub Group is to meet as required at the discretion of the coordinator of the Forward Planning Sub Group.
- Agendas and Minutes of meetings to be copied to Chair, Ipswich City Local Flood Recovery Group.

Sub-group composition:
Suggested members:
- Ipswich City Council Planning & Development representatives
- Ipswich City Council Engineering Services representatives
- Department of Infrastructure and Planning
- Department of Community Safety

Supporting organisations:
- Development Industry representatives
- Property Council of Australia
- Utility owners / operators (Telstra, QUU, Optus, Energex, Origin)
- Insurance Council of Australia
- Ipswich City Council Health, Parks and Recreation representatives.
- Department of Environment and Resource Management.
- others as required.

5.9 Information Management

Information delivery will be coordinated through a designated Media Officer.
The gathering and recording of information will be coordinated through a designated Data Collection Officer.

Role: To deliver up to date, accurate and timely information to the community on the process and progress of recovery and ensure that data on the recovery process is gathered and collated effectively for accurate evaluation and reporting.

Responsibilities:

- To assist each sub group with the implementation of strategies to provide information to the community on the progress of recovery.
- To ensure the information enhances the capacity of the community to manage its own recovery.
- To ensure information is disseminated through a range of communication channels.
- To ensure information is aimed at the target audience including those with special needs and that cultural appropriateness is addressed.
- Gauge and inform the LRC of the changes in information needs as recovery progresses.
- Ensure the information provided to the community aids recovery as well as informs.
- Ensure that the Mayor and Councillors are well informed of recovery progress.
- Liaise to coordinate responses and information dissemination from the Mayor's office and Electorate Offices to ensure consistency.
- Make decisions to match the message to the delivery method, i.e. ensure credibility is enhanced through delivery by a known, credible person or organisation.
- Expedite the quelling of rumours in the community with the swift provision of accurate information through appropriate channels.
- Establish strategies to obtain community feedback on the effectiveness of information provision during the recovery process and make changes where necessary to alter delivery methods.
- To set up a procedure to collect data from each of the five (5) sub groups.
- Collect and collate data from the five (5) sub-groups in a manner which is integrated, efficient, accessible and easily evaluated.
- Establish strategies for the evaluation and reporting of collected data.

Reporting Responsibilities:

- The Information Management Team will report to the Local Recovery Coordinator at a discretional frequency nominated by the LRC.

6. Action Plan

The Ipswich City Local Recovery Group once established, will develop an Action Plan to coordinate recovery across the Ipswich City Council area.

Key elements of the Action Plan:

- Develop a recovery vision in consultation with the affected community.
- Use the impact assessment of the flooding event to identify recovery issues and break them into the five (5) major groups (human-social, economic, infrastructure, environmental and forward planning).
- Identify key short, medium and long term priorities within each of the five (5) major groups.
- Conduct a first public meeting and articulate the vision and objectives to the community.
- Obtain community views, vision and input.
- Set up informed vision, goals and projected outcomes.
- Identify and prioritise recovery projects.
- Develop project costs and funding priorities.
- Develop project timeframes.
- Develop funding sources and strategies.
- Conduct second public meeting to unveil the Action Plan.
- Advertise and disseminate public information about the Action Plan.
- Distribute Executive Summary of the Action Plan and other relevant material.
- Develop priorities for implementation.
- Keep community informed on the progress of the Action Plan
- Develop exit strategy and transition to business as usual.
- Develop debriefing and evaluation strategies.

Each of the five (5) sub groups will have an operational component for implementation of the relevant strategies of the Action Plan. The proposed Operational Flood Recovery Group Roles, Responsibilities and Membership can be found in *Appendix 2*.

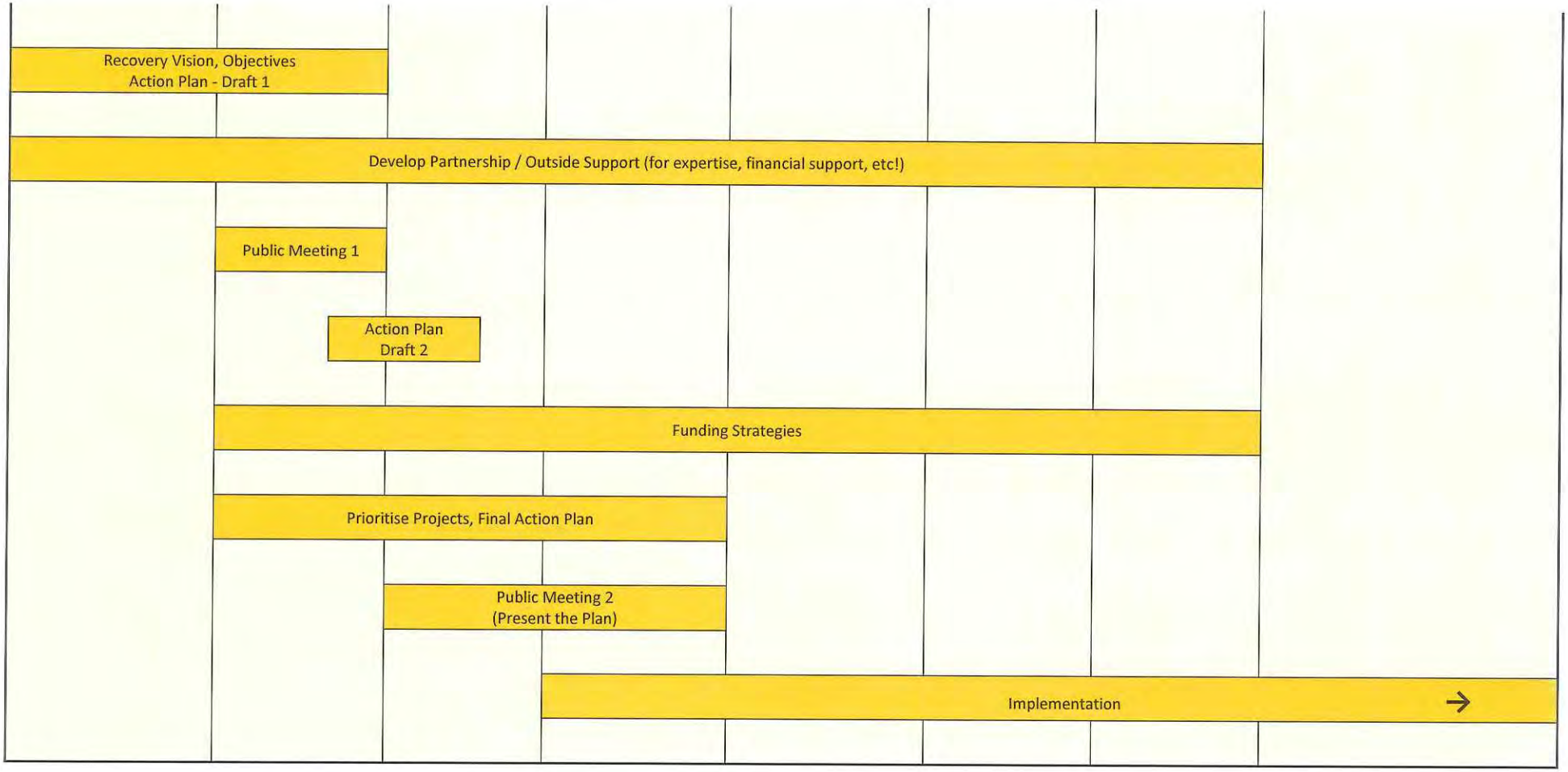
7. Proposed Milestones of the Recovery Process

Diagram 3 below illustrates the proposed milestones to be achieved in the first seven (7) weeks of the recovery process.
(this is template version)

Milestones for Medium to Long Term Recovery

Commencing xxxx 2011

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Continuation
Immediate and Short-Term Recovery (By Line Agencies in Disaster Management System)							
The Recovery Group Chair and members appointed							
Establish Recovery Group							
Terms of Reference Principles for the Group							
First meetings of Recovery Group Sub Groups							
Assess the Impact							
Set Up Dates for Public Meetings							
Public Information and Public Relations							
Conduct Meetings with Community Organisations, Leaders etc.							


Recovery Vision, Objectives
Action Plan - Draft 1
Develop Partnership / Outside Support (for expertise, financial support, etc!)
Public Meeting 1
Action Plan
Draft 2
Funding Strategies
Prioritise Projects, Final Action Plan
Public Meeting 2
(Present the Plan)
Implementation

7. Public Information and Consultation

Information management is a key function of recovery. Much of the success of the recovery process is dependent upon how well information is managed. Information management is not only concerned with disseminating information, but also with gathering information from authorities and emergency management agencies as well as from the affected community.

Information provision provides the affected community with information about services and recovery plans. It also forms the basis for social processes such as bonding between individuals, groups and communities. The possession of information engenders a sense of belonging and caring and provides a sense of control and predictability of events.

Communities will respond well to appropriate, timely and sound information from a reliable source. Communities will panic following a disaster when no leadership is shown and no information is supplied from authorities. Frustration may accumulate, especially as people encounter misinformation, red tape and bureaucratic tangles while seeking government help. Feelings of anger and helplessness may result.

There should be emphasis on recognising the importance of wide community consultation in the preparation of recovery plans. The inclusion of the community's wants, desires and needs for information and input into a recovery plan will provide empowerment to the community and encourage them to move forward towards long term recovery.

Some proposed methods of public information provision and consultation could include:

- Scheduled and reactive media releases in the transitional period to address short term and acute issues arising from the disaster.
- Recovery Newsletter (issue frequency to be decided).
- Public Meetings and forums.
- Postal, online and telephone surveys.
- Continuous supply of relevant factual information to the community through Council's Media Officer via the Mayor.
- Elected members to engage in their electorate through electorate offices (if and when operational).
- Continue to engage local print media, radio and TV.

At all times Ipswich City Council will ensure that all information is culturally appropriate and that the needs of specialist groups such as the visual and hearing impaired are addressed.

Appendix 1: Terms of Reference for the Local Recovery Coordinator (LRC)

The Terms of Reference for the LRC are as follows:

- Coordinate establishment of the Ipswich City Flood Recovery Group.
- Coordinate the community recovery from the flooding.
- Coordinate short to medium term recovery to address the immediate effects of the flooding and development of longer term measures as appropriate.
- Ensure the recovery strategies address all functional areas of recovery including human-social, economic, infrastructure and environment.
- Provide effective on-site leadership, to focus all necessary resources, and to achieve the most efficient and effective recovery of affected communities.
- Coordinate the provision of conduit between the community and the government.
- Develop and implement effective strategies for community participation and partnership in the recovery process.
- Ensure that organisational arrangements are adaptable and able to respond to the changing priorities throughout the ongoing recovery process.
- Facilitate and coordinate the operation of agencies and organisations involved in the recovery operations.
- Coordinate the ongoing government services aspects of community recovery.
- Coordinate the actions of peak community, business and non-government organisations in their contribution to the flood recovery to ensure the most effective use of skills and resources.
- Provide advice to State Government of the needs and responses of the affected individuals, communities and other sectors.
- Provide regular reports on recovery operations to the State as well as regular community and media information on recovery progress.
- Provide final report at the conclusion of recovery operation.

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Appendix 2: Ipswich City Local Operational Flood Recovery Group Roles, Responsibilities and Membership

AIM: Ensure that the operational recovery plan informs planning and decision making activities across government and non-government agencies to affect the recovery of impacted communities and individuals.

Chair: Local Recovery Coordinator (LRC)

	Economic Function	Environmental Function	Human Social Function	Infrastructure Function	Forward Planning
Role	To lead and coordinate planning and implementation of the economic function of recovery	To lead and coordinate planning and implementation of the environmental function of recovery	To lead and coordinate planning and implementation of the human-social function of recovery	To lead and coordinate planning and implementation of the infrastructure function of recovery	To coordinate development and implementation of recommendations to improve the preparation and planning for future flood threats and risks, particularly where relating to land use planning and development related activities.
Responsibilities	• Coordinate the economic function of local recovery operations. • Assess and monitor impact on economic viability, key economic assets including employment issues and capacity of local businesses to operate. • Facilitate business, industry and regional economic recovery and renewal. • Develop industry and business	• Coordinate the environmental function of local recovery operations. • Coordinate assessment of the event on the natural environment (e.g. water quality, ecological impact, pollution). • Provide advice on potential environmental issues (e.g. water quality, sewerage, etc). • Coordinate rehabilitation of natural environment, including parks, waterways and wildlife. • Coordinate preservation of community assets (e.g. reserves and parks).	• Coordinate the human-social function of local recovery operations. • Liaise with relevant response and recovery bodies and organisations. • Work with affected communities and interest groups to support their involvement in the decision making process. • Coordinate the human-social component of recovery, and report to the post-event SRC on long-term recovery. • Support planning and delivery of	• Coordinate the infrastructure function of local recovery operations. • Liaise with the Insurance Council of Australia to ensure the declaration of the general insurance industry Catastrophe Coordination Arrangements and to identify nominated ICA representative. • Coordinate building safety inspection services, secure damaged buildings and structures and coordinate demolition/repair and rebuilding • Coordinate the assessment of damage to	• Work with all levels of Government and industry to ensure that appropriate, feasible and cost effective improvements are implemented. • Fast track and facilitate approvals for appropriate rebuilding activities in flood affected areas..

	Economic Function	Environmental Function	Human Social Function	Infrastructure Function	Forward Planning
	recovery plan and implementation strategies in conjunction with local government, relevant State Government agencies, regional economic development organisations and industry bodies. • Facilitate financial assistance, access to funds and loans and employer subsidies. • Where required, facilitate linkages with job providers and employment agencies to source labour, re-establish supply chains and joint marketing activities. • Develop a strategy to maximize use of local resources during clean up and restoration activities.	• Consider mitigation strategies to reduce future impacts on the natural environment, where appropriate. • Monitor issues of pollution. • Coordinate waste management and disposal. • Ensure effective consultation and communication with the community and relevant organisations including environmental bodies and interest groups. • Monitor and assess the environmental consequences of cleanup operations. • Monitor and assess animal welfare issues	individual and community services to assist with recovery including: • Personal support and material assistance • Community development • Psychological first-aid • Referrals to appropriate specialist services • Accommodation support • Information and referral • Advocacy • Financial assistance	infrastructure facilities. • Work with all sectors/stakeholders to determine prioritisation of works • Coordinate restoration of sporting facilities and public playgrounds. • Work with affected communities and interest groups to support their involvement in the decision making process. • Ensure risk reduction is considered in planning for rebuilding and reconstruction.	

	Economic Function	Environmental Function	Human Social Function	Infrastructure Function	Forward Planning
	• Support small to medium enterprise (e.g. referrals, business assistance, etc). • Identify options for improvement or adjustment from current business operations, where required. • Assist with contract arrangements, where required. • Ensure involvement of local business and industry representatives and the community in decision making.				
Supporting Agencies					
Local Council	• Economic Development Officers	• HPR Natural Environment Planning and Partnerships Officers • HPR Regulatory Services Officers	• Community Development Officers • HPR Regulatory Services, Planning and Partnerships Officers	• HPR Officers • Planning and Development Officers • Engineering Services Officers	• Planning and Development Officers • Engineering Services Officers • Health, Parks and Recreation Officers
State Government	• DEEDI (Functional lead agency) • Queensland Rural Adjustment Authority	• DERM (Functional Lead Agency) • Maritime Safety Queensland (MSQ) • QFRS – Scientific Branch	• DoC (Functional Lead Agency) • Department of Education and Training • Queensland Health	• DIP(Functional Lead Agency) • DPW • DTMR • DoC • LGAQ • DERM	• DIP • DCS • DERM
Federal		• Environmental	• Centrelink	• DOTARS	

	Economic Function	Environmental Function	Human Social Function	Infrastructure Function	Forward Planning
Government		Advisors • Chemical/Hazardous Substance advisors • Catchment advisory groups			
Non-Government/ Business Representatives	• Insurance Council of Australia • Insurance companies • Chamber of commerce • Primary producer groups • Industry representatives • Tourism operators	• RSPCA • Environmental Interest Groups	• ADRA • Australian Red Cross • Lifeline Community Care • Salvation Army • St Vincent de Paul • Local community and welfare groups • RSPCA (companion animals)	• Queensland Building Services Authority • Insurance Council of Queensland • Utility owners / operators • Private infrastructure owners • Transport operators • Development Industry representatives • Property Council representative	• Development Industry representatives • Property Council representatives • Insurance Council representative • Utility owners and operators

Planning

- During non-operational times, LDMG's are to include recovery considerations in their disaster management plans, informed by functional lead agencies. Functional lead agencies can create their own specific mechanisms for planning etc. Functional lead agencies should have a function-specific plan at district level that is cognisant of local issues and can be used to guide service arrangements at local and district level

Operations

- During operations the local recovery group will include functional lead agencies from district level; functional lead agencies use their own arrangements to provide support. Recovery will be coordinated at the local level with district and/or State support (if required).

Appendix 3: Recovery currently underway

This appendix provides a summary of issues derived from an environmental scan as at 31.1.11 and represents the start point for the Ipswich City Local Flood Recovery Group.

Impact Assessments available to date	Recovery progress to date
HUMAN/SOCIAL RECOVERY:	
Communities were isolated during this flood event, including Karalee, North Ipswich/Brassall, Redbank, Rosewood.	No communities remain isolated
Approximately 8,663 properties impacted. Electricity supply was cut to large areas of Ipswich, including over 4,000 properties in unaffected areas as well as 1,181 premises in the Ipswich City Council area where fuses have been removed from houses as a result of the floods. Approximately 750 – 1,000 households have been assessed by QFS as damaged by flood water.	All unaffected areas have had power restored. Energex have been reinstating power to properties after receiving electrical certification, Form 2's. Numbers are not known at this time. 11/02/11: No update available from Energex
Evacuation Centres set up on 11 January 2011	The last evacuation centre closed 28/01/11

LOCATION	Commenced	MAX CAPACITY	CAPACITY REACHED	
			Sleeping	Feeding
Riverview Community Centre	11/1/11	50	60	300
Redbank Evac Centre	12/1/11	60	60	100
Boys Grammar	11/1/11	170	180	180
Girls Grammar	11/1/11	200	200	200
Showgrounds Salisbury Road, Ipswich	11/1/11	690	600	600
St Josephs Nth Ipswich	11/1/11	140	100	100
Shiloh Goodna	10/1/11	70	120	200
Christian outreach Redbank Plains Rd Goodna	11/1/11	60	60	60
Ipswich Region Community Church Ripley Rd Ripley	11/1/11	160	170	170
Leichhardt Avon Community Centre at Immaculate School	11/1/11	100	80	80
Ipswich Golf Club	11/1/11	200	0	0
Karalee State School	11/1/11	370	300	300
Country Comfort Motel – frail aged couple	11/1/11		2	2
Metro Hotel – suspected chicken pox	14/1/11		3	3
		Total	**1935**	**2295**

Communities need assistance (Advise and assistance given by Department of Communities:	As at the 10 February 2011 next update will be on the 18 February 2011
Emergent Assistance Grants	8,935 to the value of $3,364,550 The Emergent Assistance Grant closes 11/02/11, however applications will still be taken for the Essential Contents and Structural Assistance Grants as necessary.
Essential Household Contents Grants	1849
Structural Assistance Grants	578
Premier's Disaster Relief Applications	1,747
Income and Asset Gross Weekly Tests	Unknown
Applications for the Essential Services Safety and Reconnection Scheme	26

Communities need assistance (Advise and assistance given by Department of Communities:	Community recovery centres are operating in 2 Ipswich locations: a. Bundamba, Bremer Institute of TAFE Closed date: Friday, 11 February 2011 b. Karalee, Closed as at 4 February 2011 c. Max Employment Office at Goodna Proposed closure date: Friday, 18 February 2011 **Note:** This centre will transition into a Community Recovery Referral and Information Centre from Saturday, 19 February until Friday, 11 March. d. Riverview, Closed as at 4 February 2011 e. Ipswich Show grounds, Closed date: Friday, 11 February 2011 f. Rosewood. Closed as at 4 February 2011 g. GailesClosed as at 4 February 2011 h. Old Court House (Cnr Limestone and East Sts) An Ipswich recovery centre as been established in the old Court House (Cnr Limestone and East Sts) providing information and referral services. The centre is open normal business hours Mon – Fri. Additional community requiring support can continue to contact the hotline on 1800 173 349.
	- A Community Recovery Referral and Information Centre is open at the old courthouse Limestone Ipswich. It is open 8.30am – 5.30pm Monday to Friday and 9.30am – 4.30pm 5aturday and Sunday. - A Community Recovery Referral and Information Centre will have information regarding assistance available to people affected by the floods and staff will also be able refer applicants to other agencies and services where necessary.
Communities need assistance (Advise and assistance given by Department of Communities:	Counselors have been made available to recovery centre staff and other council staff who have suffered trauma as a result of their response to the flood disaster. St Vincent de Paul is currently undertaking assessments for household items; items will then be delivered to peoples homes. People in the Ipswich area can call 3812 2055 and people in the Brisbane area can call 3010 1096. **Ipswich Showgrounds Recovery Centre** The DEEDI business recovery van is currently located at the Ipswich Showgrounds Recovery Centre. Volunteer lawyers from Brisbane are located at the Ipswich Showgrounds Recovery Centre to provide assistance to community members as needed. Clinical Psychologist Rob Gordon has confirmed attendance at the South West Region Non-Government Organisation forum to be held on 10 February 2011. Mr Gordon has worked with numerous agencies in responding to devastating events in Australia including Cyclone Larry.

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Evacuees needed assistance with housing	Department of Housing currently undertaking housing requirement assessments with evacuees to determine requirements profile, which will be used as a basis of determining housing solutions.
	Distribution centres and lists items **See "attachment a"**

Tactical issues

- Lifeline and Red Cross Counsellors have been dispatched and are available to the community for care and counselling.
- identification and management of the medium and long-term housing issues, as residents attempt to return to their houses and as current temporary arrangements are finalized with family and friends.
- *Service Delivery*

Following Ministerial approval, the region is progressing closure of a number of Community Recovery Centres and Outposts between 4 and 25 February.

Economic Recovery as at the 31 Jan 2011 11 Feb: No update available

188 Businesses were directly impacted 80 of those are now operating in the same location with 15 established elsewhere, 66 businesses are in the process of establishing with the remaining 27 undecided as to wether they will be capable of reopening. The secondary impact s to supply chains still to be determined. Home based business have also been affected, however they are proving difficult to identify and they are not represented in these figures.	Ipswich City Council staff visited affected businesses in the following areas:- Þ Ipswich CBD Þ Rosewood Þ Redbank Þ Redbank Plains Þ Goodna providing information regarding the assistance available from government, financial institutions and Telstra. 5 Business Enterprise Centre (BEC) officers have been being deployed to the region – 1 will be based in Ipswich. Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich. Environmental Health Officers and Planning and Development Officers are performing reconnaissance and providing support to business owners and householders. Council & the BEC have assisted 212 businesses from the greater Ipswich region to apply for $1,060,000 funding assistance The first payments were received 5 days after applying. note: some businesses apply directly via the website The Business Recovery Centres have now closed during to low numbers and the agency have returned to their original offices to deal assist via business as usual. A temporary Business Centre is being established in Ipswich City Square to provide affected businesses with access to computers,

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	phones, and meeting rooms during the rebuilding phrase. This will be available as a temporary or touch down office and will also be used by the public subject to availability. Temporary Laundries have been set-up in Goodna. Events/Campaigns that are being organised to aid the recovery process, include; Þ Qld Raceway held a charity race day on the 6th February raising $23,000 with all proceeds going to the Ipswich Flood appeal. Þ A Shop Ipswich Campaign, in conjunction with the Chamber of Commerce, was launched on 2 February 2011 to encourage everyone to use local suppliers during the rebuilding phrase. Information sessions in the Barry Jones Auditorium assisting businesses to lodge grant applications have now ceased due to low attendance ICC website currently contains Request for assistance questionnaire as well as information and fact sheets to assist with the rebuild.
What agricultural impact did the event have? minimal impact on agricultural industry in the Ipswich region.	Quotes to prepare an Economic Impact Study ranged from $40,000 to $60,000. A decision was made not to fund this and to focus on more tangible assistance to businesses
Number of employees impacted? Approx 1,700 employees directly. Indirect affect on supply chains undeterminable at this stage.	Westpac, NAB, ANZ, BoQ and Members Equity Banks have announced a number of initiatives to provide hardship relief for their customers in Ipswich.
Commercial Rail services disrupted by landslides and bridge wash outs.	While Restoration works continue, QR national and Coal Companies are transporting Coal via road network to Ebenezner, where it is put onto rail for movement to Brisbane Port.
Problems with under-insurance and non-insurance.	Liaison is occurring with the Insurance Council of Australia. Insurance industry marquee and van set up at Ipswich Showgrounds Evacuation/Recovery Centre where all insurance companies can be represented and process claims for the community. Liaison is occurring with the Insurance Council of Australia.

Tactical issues

- Ipswich City Council is assisting businesses to reinstate their identities (ABN & Tax File No.'s etc) where records have been lost.
- Ipswich City Council is promoting the assistance available to emails databases, via ICC website, facebook and twitter.
- Ipswich City Council is partnering with the Federal and State government on a media campaign to promote assistance.

- Trade shortages – working with radio stations in Brisbane and Sydney to access tradespersons to assist with rebuilding.
- Working on a campaign with the Insurance Council to put pressure on the industry to do the right thing under respective contracts in terms of flood coverage and definition of a flood.
- Ipswich City Council Library have set up several computers with internet access for businesses who do not have access.
- Businesses now determining if they will be able to reopen and is so what they will require and at what cost.
- donations of goods and services continues and there is a need to manage storage and distribution as Charities are overflowing
- need to gain an understanding of the programs that DEEDI and BEC are undertaking within the Ipswich Community to allow Ipswich City to support and compliment.

Infrastructure Recovery

Impact assessment available to date	Recovery progress to date
In total, approximately 7,221 buildings in flood zone. 750-1,000 houses identified as flood affected by QF5 with rapid assessment continuing. Energex issued 1,181 Form 3's to properties inundated by flood waters	Overall impact to infrastructure is still being undertaken.
Approx 766 roads have sustained various levels of damage (ES)	2 remain closed due to damage as at the 3 Feb 2011 -Junction Road Karalee Lyndon Way to Bendemeer St, reconstruction work commenced on the 27/01/11 and planned to be completed by the 11 Feb. This work has been delayed due to rain and planned to be completed by the 18 Feb -Mt Crosby Weir Mt Crosby, Initial impact assessments being undertaken, with this expected to be completed by mid-February 2011 • Urban roads - first pass assessment 100% complete which identified the following actions to be taken. • Rural roads –first pass assessment 80% complete which identified the following actions to be taken • Bridges – Level 1 Inspection complete • Bridges – Level 2 inspection s to be carried out on 32 bridges • Road Pavements – Urgent pavement repairs to commence 14 Feb • Rural roads – Temporary repairs are complete to allow access to properties on maintained roads • Rural gravel roads – repair schedule currently being prepared. • Drainage & culverts – detailed assessments approx 5% complete. The Natural Disaster Relief and Recovery Arrangements (NDRRA) • Initial discussions have been had with Department of Infrastructure & Planning

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	regarding their expectations of what detail is required in claims for " (NDRRA)" • The first claim, under the NDRRA, for emergent repair to be submitted by the 15 Feb 2011 • 5 additional contract staff have been employed to assist with the preparation of the documentation and inspections.
Numerous Council owned buildings and properties have been damaged. (HPR)	Initial impact assessments being undertaken, with this expected to be completed by mid-February 2011. Built Environment – Council buildings • Assessments are currently 90% complete, however is planned to be completed by COB 4 Feb 2011 Issues – Major costs to restore Open Space – Council Parks & Reserves • First Pass assessment is 100% complete Issues – Major damage to Riverside parks 11 Feb 2011 – No update available
State authorities continue to assess damage to state owned property. Approximately 85 Government owned units of residential accommodation. Of this there is 37 houses and 49 units and duplex style accommodation. Also 4 local schools were impacted, being Ipswich SHS, Bundamba SS, Brassall SS and East Ipswich SS	Restoration works are underway. All Schools opened for first day of school, with temporary class rooms established.
Water Services for the majority of Ipswich area were not impacted, except for; ⇒ Boiling of water for Marburg area ⇒ Discoloured water in Karalee Areas	Water supply is back to normal and available to all areas. 11/02/11: No update available
Sewerage Services were impacted by flood waters, in terms; (QUU) ⇒ 29 Pump stations being out of services ⇒ Bundamba and Goodna Wastewater treatment plants being out of service.	Restoration works have been undertaken, with the current status of infrastructure being; Next QUU update due on the 1/02/11. 4/02/11:No update available from QUU ⇒ Bundamba WRP has power returned to site. Primary treatment (screening) operational. Cleaning commenced within secondary treatment area. Pumps under repair by Nilsens. Currently achieving stage 1 treatment. ⇒ Goodna WRP has power returned to site. Primary treatment (screening) operational. Cleaning commenced within secondary treatment area. Pumps under repair by Nilsens. Currently achieving stage 1 treatment. ⇒ 11 sewerage pump stations operating on contingency (tankering and /or diesel pump) 11/02/11: No update available
Rosewood to Brisbane passenger Rail line closed. (QUU)	Track Ballast scouring occurred in several locations between Goodna and Rosewood this was restored on Saturday night.

	Goodna Station was inundated and restoration is in progress and expected to continue into Monday. Electrical location boxes for the signaling system were inundated in several locations including Goodna, Wacol, Redbank, East Ipswich and Ipswich restoration is continuing Monday. 4/02/11:No update available
Commercial Rail services disrupted by landslides and bridge wash outs.	Restoration works continuing.
Electricity supply was cut to large areas of Ipswich, including over 4,000 properties in unaffected areas as well as 1,181 inundated properties. 891 premises in the Ipswich City Council area. The majority of the 891 premises waiting for a Form 2 to be returned for reconnection, the majority of these premises are located in the following areas:- (1) Goodna - 222 (2) North Booval - 185 (3) Brassall - 68 (4) Karalee - 66 (S) Bundamba - 62 (6) East Ipswich - 54 (7) Barellan Point - 31 (8) Moores Pocket - 31 (9) Churchill - 22 (10) Gailes - 20 (11) North Ipswich - 20 (12) Riverview - 18 (13) Basin Pocket - 15	All unaffected areas have had power restored. Energex have been reinstating power to properties after receiving electrical certification. Numbers are not known at this time. 11/02/11: No update on the number of reconnections available from Energex. If there is a requirement for this reconnection information there will be a charge to Council.
Telstra network initial impact was mostly power related however all key sites were supported by generators. Key equipment within the Ipswich Exchange was not impacted by flood water. Only major damage to Telstra infrastructure was a roadside cabinet (RIM) at Bundamba which was inundated with water .	These services were fully restored on 21 Jan. Telstra currently has an additional 11 Telstra Field Technicians working in the Ipswich area taking the total resource number to 20. Where possible these 20 will be supported by additional resources from Brisbane. 11/02/11: No update available from Telstra

Tactical issues

- Numerous bulletins and media releases have been disseminated to various media outlets.
- Teams are being assembled to prioritise and implement recovery.
- Lack of availability of certified tradespeople – working with Brisbane and Sydney radio to supply extra tradespeople.
- Council crews have begun to repair damage to roads and streets.

Environmental Recovery

In total, approximately 8,663 properties in flood zone.	
Disposal of flood and building Debris. (HPR)	as at 31 Feb ⇒ 24015 tonnes now in landfill ⇒ All temporary stockpile sites have been cleaned up ⇒ 40 m^3 of asbestos collected to date with more

	waiting collection . no increase expected - continuing service ⇒ Ipswich City Council have coordinated the provision of waste bin and waste removal in various areas of the city. ⇒ As of the 28 January 2011 owners of inundated properties are to contact Council to arrange debris pickup. as at 4pm 10 Feb: 266 skip bin requests - 173 completed, all jobs allocated (including approx 70 jobs reallocated due to contractor no longer providing service), 5 had been cancelled by customers ⇒ Boys Town crews to assist in the reinstatement of footpaths. ⇒ Removal of abandoned vehicles is commencing ⇒ 250 tyres collected to date ⇒ waste tyre collection now occurring ⇒ Street sweeping program to commence the week beginning the 31 January.
Disposal of Hazardous waste	estimated 1,000 litres of chemicals collected, minimal increase expected - continuing service
Flooding of septic tanks in unsewered areas	Septic tank pump outs are being coordinated through Ipswich City Council, with approx 20,000 litres being disposed of from Karalee, Bundamba, Booval and Thagoona. Septic pumpouts now completed - waiting for data on final waste volumes disposed, occasional job occurring if necessary
Mosquito breeding (Vector control)	First round of treatment is complete. Follow up treatment is planned to be completed by the 11 February 2011.
Environment Impacts to River banks and catchments.	Assessment of impacts on Catchments is being undertaken with Council Hydrology staff undertaking assessments from 28 through to 31 January 2011, currently the field assessments are 66% complete and are planned to be completed by the 11 Feb. This information will be combined with that obtained by DERM to provide an overall assessment which will be recorded on Council spatial mapping system.
Tactical issues ⇒ Sporting Club rebuild strategy to be developed ⇒ Illegal dumping is occurring, with enforcement activities commencing. ⇒ Gaining access to properties were no debris removal has been undertaken is a issue now being addressed. ⇒ Development of the overall environmental impact needs to be undertaken.	

Appendix 4: Abbreviations

ABS	Australian Bureau of Statistics
ADF	Australian Defence Force
BOM	Bureau of Meteorology
BSA	Building Services Authority
DDC	District Disaster Coordinator
DDCC	District Disaster Coordination Centre
DDRG	District Disaster Recovery Group
DCS	Department of Community Safety
DETA	Department of Education, Training and the Arts
DM Act	*Disaster Management Act 2003 (QLD)*
EMA	Emergency Management Australia
EMQ	Emergency Management Queensland
EPA	Environmental Protection Agency
LDCC	Local Disaster Coordination Centre
LDMG	Local Disaster Management Group
LG	Local Government
LGAQ	Local Government Association of Queensland
LRC	Local Recovery Coordinator
LRG	Local Recovery Group
NDMP	Natural Disaster Mitigation Program
NDRRA	Natural Disaster Relief and Recovery Arrangements
NEMCC	National Emergency Management Coordination Centre
NGO	Non-Government Organisation
PSPA	*Public Safety Preservation Act 1989*
SDCC	State Disaster Coordination Centre
SDMG	State Disaster Management Group

Appendix 5: Draft Agenda for Recovery Sub Group Meetings

RECOVERY GROUP
(HUMAN-SOCIAL)
SUB-COMMITTEE MEETING

A G E N D A

Date:
Time:
Location:

Chairperson

Secretariat *to be confirmed*

1. Welcome and apologies — Chair
2. Introductions — Chair
   a. Council representative/s
   b. Membership
   c. Supporting agencies
3. Charter — Chair
4. Reporting arrangements — Chair
   a. Administration
5. Council priorities
6. Agency challenges — Agency representatives
7. Action Plan — Chair
   a. Priorities (low, medium, high), agency, description, timeline
8. Communications (media – primary contact officer) — Chair
9. Public meeting — Chair

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