

SUBMISSIONS FOR STATE OF QUEENSLAND
11 MARCH 2011

Department of Community Safety
(DCS)

Minister

The Honourable Neil Roberts MP

Minister for Police, Corrective Services and Emergency Services

Director-General

Mr Jim McGowan

Key senior executives include:

Commissioner David Melville (Queensland Ambulance Service)

Commissioner Kelvin Anderson (Queensland Corrective Services)

Mr Bruce Grady, Assistant Director-General (Emergency Management Queensland)

Commissioner Lee Johnson (Queensland Fire and Rescue Service)

Mr Gary Mahon, Assistant Director-General (Strategic Policy Division)

Mr Gary Taylor, Assistant Director-General (Corporate Support Division)

A. Key Functions and Role of the Department

DCS was established in March 2009 following machinery of government changes which facilitated the merger of the corporate and policy areas of the former Department of Emergency Services (DES) and Queensland Corrective Services.

The department has four operational divisions: the Queensland Ambulance Service (QAS), Queensland Corrective Services (QCS), Emergency Management Queensland (EMQ) and the Queensland Fire and Rescue Service (QFRS). These operational divisions provide pre-hospital patient care and patient transport services, custodial and community correctional services, disaster management services and fire mitigation and

management services (see section B below).

The department also has two support divisions, Strategic Policy Division (SPD) and Corporate Support Division (CSD), which provide strategic leadership and guidance, and professional business services to support the delivery of operational services throughout Queensland.

The department's vision is to ensure secure and safe communities by protecting lives and property through emergency services, and the humane containment, supervision and rehabilitation of offenders through corrective services. As discussed further in its most recent Annual Report, DCS serves approximately 4.5 million Queenslanders from over 1,000 locations throughout Queensland. These include 291 ambulance service locations, 46 probation and parole offices, 10 high security correctional centres and eight low security facilities, 19 EMQ offices, 3 EMQ Helicopter Rescue air bases, 243 urban fire and rescue stations, 442 rural fire stations, one special operations centre, the Queensland Combined Emergency Services Academy (QCESA) in 3 locations, the QCS Academy, and communication centres in 11 locations.

DCS has more than 2,500 operational vehicles stationed throughout Queensland. These include 490 urban fire appliances, 942 rural fire brigade appliances, 1,114 ambulance vehicles, nine protective response vehicles, and 34 prisoner escort vehicles. EMQ also maintains 5 helicopters.

DCS employs more than 10,644 full-time equivalent (FTE) staff supported by approximately 42,110 volunteers across Queensland. DCS also has a network of supported volunteer organisations, advisory bodies, and community service organisations. Volunteers include:

- State Emergency Service (SES) volunteers;
- Rural Fire Service (RFS) volunteers;
- Honorary ambulance officers (including Ambulance Attendants, Community First Responders and Volunteer Drivers);
- Emergency Service Unit (ESU) volunteers;
- Emergency Services Cadets;

- QFRS Scientific Branch volunteers; and
- Corrective Services volunteers.

The Emergency Services Advisory Council (ESAC) reports to the Minister on the extent to which the delivery of fire, ambulance and other disaster management and emergency services meets community needs.

B. Departmental Structure and Operation

The structure of DCS is depicted in the organisation charts which are attached and marked 'DCS-01'. A Copy of the summary of primary response capability and a map of QFRS Regions is also attached as part of 'DCS-01'.

Each head of division, together with the Chief Finance Officer, supports the Director-General in his role. In addition, some of these officers also have statutory responsibilities to undertake their individual roles. Specifically, the roles of the Commissioners (QAS, QCS, QFRS) and the Assistant Director-General (EMQ) are undertaken in accordance with the specific provisions of the relevant legislation: the *Ambulance Service Act 1991*, the *Corrective Services Act 2006*, the *Fire and Rescue Service Act 1990* and the DM Act. The Chief Executive has specific functions as prescribed under section 16A of the DM Act; this will be discussed further below.

Queensland Ambulance Service

Section 3D of the *Ambulance Service Act 1991* describes the functions of QAS:

- To provide, operate and maintain ambulance services;
- For ambulance services provided during rescue and other related activities - to protect persons from injury or death, whether or not the persons are sick or injured;
- To provide transport for persons requiring attention at medical or health care facilities;
- To participate with other emergency services in counter disaster planning;
- To coordinate all volunteer first aid groups for major emergencies or disasters;

- To adopt and put into effect all necessary measures (including systems of planning, management and quality control) to best ensure the efficient and economic operation and use of its resources in providing ambulance services;
- To provide casualty room services;
- To refer a person to another health service;
- To provide community and workplace education in first aid, cardiopulmonary resuscitation and other related matters, to the extent that the service's personnel and equipment can reasonably be deployed or used for the purpose;
- To identify and market products and services incidental to its other functions;
- To perform other functions given to the service under this Act or another Act; and
- To perform functions incidental to its other functions.

The QAS organisation, decision-making structures and specific capabilities related to disasters is attached and marked 'DCS-02'.

Queensland Corrective Services

The key challenges for QCS are to maximise community safety and security by ensuring prisoners are securely and humanely contained in the custodial environment and through careful monitoring and management of offenders under community-based supervision. QCS are committed to delivering programs and services that will help rehabilitate offenders enabling them to participate in society within the law upon their release. QCS provides services including:

- Management of prisoners in high and low security facilities across Queensland; and
- Probation and parole supervision and intervention to offenders subject to community-based orders.

Emergency Management Queensland

EMQ develops, maintains and continually improves the State's Disaster Management arrangements and effectiveness with a support role during the response to disaster events. EMQ contributes to safer, more resilient and sustainable communities through:

- Leading activities undertaken before and after a disaster or emergency to minimise adverse community impacts;
- Disaster awareness and hazard reduction services including community safety and education programs;
- Supporting the SES and the Emergency Services Cadets;
- Managing the government's Helicopter Rescue Service; and
- Supporting volunteer marine rescue organisations.

The EMQ organisation, responsibilities and volunteer management arrangements is attached and marked '**DCS-03**'.

Emergency Alert (EA)

EMQ operates in Queensland the national emergency telephone-based warning system Emergency Alert (EA). The system was launched nationally in December 2009, except in Western Australia where another system (State Alert) operates. EA can deliver voice messages to landlines and text messages of up to 140 characters to mobile phones based upon the registered service address of the mobile phone.

The maximum delivery rate of alerts is 1,000 per minute for landlines and 30,000 per minute for text messages. However, EA is not an instantaneous message delivery system.

Most importantly, EA complements and does not replace other emergency warning methods such as radio/television broadcasts, emergency websites, and local notifications such as door-knocking.

Victoria, on behalf of the Commonwealth and other jurisdictions, is presently negotiating contracts with industry to implement an enhancement to EA known as Location Based Solution (LBS). LBS will allow text messages to be delivered to mobile phones based upon their physical location rather than the registered service address of the account. The introduction into service of LBS is subject to the outcome of negotiations with industry.

Further details on EA and other methods of delivering warnings is attached and marked 'DCS-04'.

Queensland Fire and Rescue Service

The QFRS provides a wide range of fire and rescue services including:

- Structural and Transportation Fires;
- Bushfires;
- Rescue – road accident and other types of rescue including swift water rescue, urban search and rescue, trench rescue, confined space and vertical rescue;
- Chemical and hazardous material management;
- Community awareness and education on fire and road safety issues;
- Building fire safety inspection, investigation and prosecution;
- Administering legislation relating to fire and safety, hazardous materials facilities and hazard mitigation;
- Rural land management advice regarding the role and use of fire;
- Fire scene investigation;
- Alarm monitoring and response; and
- Commercial training in firefighting, fire safety and evacuation procedures.

The QFRS Organisation, Doctrine, Communications and State Rescue Policy is attached and marked 'DCS-05'.

Information and Communications Technology

Information and Communications Technology (ICT) is administered by the Corporate Support Division.

Within the DCS, the Information and Communication Systems Branch provides ICT services to QAS, QFRS, EMQ and QCS. The scope of these services include mission critical capabilities such as Radio Communications, Telephone Systems, Computer Aided Dispatch, Emergency and Disaster Management Systems, Communications Networks, in-vehicle Information Systems and Information Management Policy and Practice. Corporate systems are also developed and supported by ICS.

Land Use Planning

DCS, through the Strategic Policy Division, advises the Department of Infrastructure and Planning (DIP (now DLGP)) on aspects of State Planning Policy (SPP) 1/03: *Mitigating the Adverse Impacts of Flood, Bushfire and Landslide*. One of a suite of SPPs that are statutory instruments under the framework provided by the *Sustainable Planning Act 2009* and its precursor the *Integrated Planning Act 1997*. SPP 1/03 expresses the State's interest in minimising the adverse impacts of these three natural hazards on people, property, economic activity and the environment when making decisions about development.

Further information on the role of DCS in land use planning is attached and marked 'DCS-06'.

C. Specific Responsibilities under the Disaster Management Act 2003 and Other Relevant Legislation

The responsibilities of DCS pertaining to disaster management are primarily the provisions describing the chief executive's responsibilities (refer section 16A of the DM Act). EMQ performs the operational duties on the Chief Executive's behalf.

The Chief Executive is a member of the State Disaster Management Group (SDMG) (refer to section 19(1)(a) of the DM Act). The SDMG is chaired by the Director-General, Department of Premier and Cabinet. The Executive Office of the SDMG is drawn from the Queensland Police Service (QPS).

The Assistant Director-General EMQ, is also a member of the SDMG, as provided under s 19(1)(d) of the DM Act, as "an officer of the department who is appropriately qualified to provide advice on disaster management".

The functions of the SDMG are provided in s.18 of the DM Act.

Staff from the DCS (EMQ, QFRS and QAS) may be members of District Disaster Management Groups (DDMGs) as provided under s.24(1)(e) of the DM Act. The functions of the Group are provided pursuant to section 23.

Staff from the DCS, particularly EMQ, may be members of Local Disaster Management Groups (LDMGs) as provided under sections 33(2) and 33(4). The functions of the Group are provided under section 30 of the DM Act.

The State Disaster Coordination Group (SDCG) provides a focal point for the development and implementation of comprehensive disaster management plans, education and awareness strategies for Queensland, and is the primary mechanism through which coordinated whole-of-government State-level support is provided to disaster-stricken communities, in both the response and recovery phases. SDCG members are designated liaison officers from each of the departments represented on the SDMG. The SDCG is co-chaired by QPS and EMQ.

The chief executive of the DCS also has responsibilities for the State Emergency Service (SES). Refer section 83 of the DM Act.

The Director-General has delegated various powers to certain officers under the DM Act. A copy of the Delegation of Statutory Powers is attached and marked 'DCS-07'.

D. Preparedness for Flooding Events Generally

QAS

The QAS has in place a state-wide capability of support in regional areas. As well as QAS's existing 24/7 operational workforce that responds to emergency incidents, the QAS also has strategically located caches of mass casualty stores in all regional areas, supported by a central cache and major logistics operation at Tingalpa, Brisbane.

The QAS has a task force capability that uses the Special Operations Response Team (SORT) stationed at Tingalpa, supported by regional teams. The SORT completes an annual pre-season cyclone check, consisting of complete schedule of tactical support vehicle maintenance and inventory/replenishment of caches.

The specialist capability extends to 25 paramedics trained to Urban Search and Rescue Level Two, 66 paramedics trained in Level Three Personal Protective Equipment and 51 managers trained in the Incident Management System.

Further, QAS maintains the capability to provide a sustained response to any impacted area with a self sustaining Tactical Medical Centre and SORT team together with operational managers for Incident Management Teams.

In addition, QAS has developed a network of regional Special Response Teams (SRT). SRTs are a group of specially trained paramedic officers within each region that have been trained in the establishment and maintenance of a fully functional Temporary Medical Centre (TMC) in any given location. As part of their training, the QAS Special Operations and Mass Casualty Planning Unit (SOMCP) has a yearly three day training exercise program for each region.

This capability enables individual regions to manage disaster response locally through their own SRT model and enhances the Brisbane based SORT capacity to supplement the network on a State-side basis. This is done by rotating SRTs in to affected areas from regions not affected by the disaster.

QAS continues to develop and enhance its capability in these areas of operations through an ongoing and involved exercise schedule.

EMQ

EMQ regions and head office undertake standard annual planning and preparation functions which include:

- Attending Local Disaster Management Group meetings and participating in the review of disaster management plans;
- Attending District Disaster Management Group meetings and participating in the review of disaster management plans;
- Conducting disaster management training and exercises;
- Reviewing and developing community education materials and community preparedness messaging;
- Conducting pre-season awareness meetings within communities and delivering pre-season awareness media campaigns;
- Continuing to ensure SES preparedness and capability through the provision of training and equipment; and

- Audits of equipment within disaster management caches and warehouse to ensure complete stocking.

A Planning Summit was held in November 2006 to review the lessons learnt from Cyclone Larry and consolidate planning for the 2007 cyclone season. There was a further Natural Disaster Summit "Building Resilient Communities" held in 2008 in Townsville. These were then transitioned to Disaster Management Summits coordinated by Local Government Association of Queensland (LGAQ) through the Disaster Management Alliance with the Department of Community Safety as the major sponsor. The June 2009 "Building Community Resilience through Collaboration" Summit was held in Emerald. Burdekin hosted the June 2010 Summit: "Disasters Just Happen! But Building Community Resilience Doesn't". The objective of the summits is to build disaster resilience and heighten preparedness.

The Queensland Disaster Management Alliance ('Alliance') is a joint initiative between the LGAQ and DCS to establish a collaborative approach to disaster management planning, preparedness, mitigation, response and recovery in Queensland. The aim of the Alliance is to ensure that changes to disaster management are implemented in an effective and efficient way that will result in improved community safety and increased community resilience. The Disaster Management Alliance Management Board meets up to four times per year and is alternately chaired on an annual basis by the Director-General DCS and the Executive Director LGAQ. The Disaster Management Alliance Management Group, comprising key working-level officers from DCS and LGAQ, drives the critical actions of the Alliance. The group designs processes, drafts strategies and issues guidelines and tools.

In March 2010, approval was granted to capture high resolution Digital Elevation Model (DEM) over inland flood towns under the Protecting Our Coastal Communities (POCC) project. The POCC project was valued at \$4.56M to acquire DEM data over coastal communities and then to develop related products for disaster management purposes. The DEM acquired through POCC will be used to more accurately identify coastal inundation events such as storm tide, tsunami or flooding to support future evacuation planning over coastal communities. A good quality DEM is an essential dataset to aid in modelling the flow of water such as "flood modelling". The DEM

acquired by POCC has around a 15cm vertical accuracy. As part of the ongoing work of the POCC project, there was continuing acquisition of DEM and arrangements to share data between agencies. Local governments had input into the project by identifying areas to be captured and the suitability of existing DEM within council. Where suitable DEM existed, this was either purchased by POCC or traded with POCC DEM under suitable licence arrangements. Data acquired through POCC was then provided back to councils under flexible licence arrangements based on their financial commitment towards the acquisition.

Annually, EMQ in conjunction with BOM through the Queensland Tropical Cyclone Consultative Committee conducts a Pre-Season Flood and Cyclone Workshop. The workshop includes a review of the previous season's presentations by BOM, DERM, DIP and EMQ. In cyclone areas the workshop also included a review of the Storm Tide Warning Handbook and the Preparing Your Home for Cyclones and Storm DVD. In some workshops, the Australian Broadcasting Commission (ABC) also presented a session regarding the role of ABC Radio as Emergency Service Broadcaster. Attendees at the workshops include Local Governments, Emergency Services, government and non-government agencies. This year workshops were held in Charleville (32 attendees), St George (36 attendees), Mackay (50 attendees), Beenleigh (100 attendees), Gladstone (50 attendees), Rockhampton (50 attendees), Innisfail (80 attendees), Charters Towers (70 attendees), Gympie (80 attendees), and Kowanyama (13 attendees).

In addition, there was substantial work undertaken by the DCS regarding the review of the Disaster Management System and the implementation of changes resulting in amendments to the DM Act. This included the development of a range of doctrine, guidelines, forms and policies directly related to the amendments to the DM Act.

A range of consultation sessions were conducted with local governments regarding the proposed changes to the DM Act. These were conducted over April and May 2010 for 21 local governments across the state by DCS, QPS and LGAQ. There were 70 attendees from the following councils: Cairns Regional Council, Cassowary Coast Regional Council, Cook Shire Council, Townsville City Council, Burdekin Shire

Council, Hinchinbrook Shire Council, Banana Shire Council, Isaac Regional Council, Gladstone Regional Council, Rockhampton Regional Council, Maranoa Regional Council, Mt Isa City Council, Brisbane City Council, Central Highlands Regional Council, Logan City Council, Gold Coast City Council, Scenic Rim Regional Council, Somerset Regional Council, Ipswich City Council, Moreton Bay Regional Council, and Sunshine Coast Regional Council.

The second stage of consultation, focused at the operational level, was conducted in July and August 2010 to local governments, QPS and other state agencies that are part of disaster groups. There were 629 individuals trained at the following locations: Cairns, Townsville, Mackay, Brisbane, Maryborough, Mt Isa, Longreach, Emerald, Rockhampton, Charleville, Roma, Toowoomba, and Beenleigh.

Through the 'Support our Heroes' project, an additional \$55,000 annually was allocated until 2014 for an enhanced disaster management regime. From 8-10 June 2010, Exercise POSEIDON was conducted in Far North Queensland and was designed around an extreme weather event affecting 3 disaster districts and 9 local government areas from Torres Strait to Cassowary Coast and inland to the Tablelands. This provided the opportunity to exercise local government and district disaster management plans including evacuation arrangements, exercising call centre capacity to deal with high volume calls as well as public messaging and warning systems, and ultimately, longer-term recovery strategies.

From 2 to 4 November 2010, EMQ conducted a major 2-day disaster management exercise (Exercise ORKO) involving the disaster districts of Dalby, Toowoomba and Warwick, and the five local government areas of Goondiwindi Regional Council, Lockyer Valley Regional Council, Southern Downs Regional Council, Toowoomba Regional Council and Western Downs Regional Council. The objectives of Exercise ORKO included:

- Trigger the activation of disaster management arrangements in response to major flooding / storm event;
- Exercise elements of the new Queensland disaster management arrangements embedded within the Queensland Disaster Management and Other Legislation

Amendment Bill 2010;

- Exercise whole-of-government disaster management relationships at local, district and State level;
- Exercise LDMG evacuation plans;
- Exercise emergency call centre capacity to deal with high volume calls;
- Enable members of disaster management groups to actively engage in the business of the group;
- Exercise re-supply arrangements for the region;
- Exercise the establishment of a recovery transition strategy; and
- Evaluate the communication flow between disaster management groups.

Each year, the Commonwealth conducts a Pre-Season Operational Briefing for disaster managers. This briefing includes presentations from: BOM; Emergency Management Australia (EMA); Department of Families, Housing, Community Services and Indigenous Affairs (FaHCSIA) and Geoscience Australia (GA). Last year's Commonwealth Pre-Season Operational Briefing was conducted on 12 November 2010.

The following additional initiatives were undertaken:

- In September 2010, launched the SES Get Ready Guide – which provides households with information about how to prepare for cyclones, floods and tsunamis. This is a comprehensive booklet outlining the steps for household preparedness, safety tips for cyclone, storm, flood and tsunami and contact numbers and emergency planning templates. The user-friendly guide is designed to hang on the fridge door and includes templates for preparing evacuation plans and kits as well as identifying key contact numbers for use during emergencies;
- Conducting an advertising campaign for the SES 132 500 number including advertisements on ABC radio, information in the SES Get Ready Guide and NRMA Insurance radio and television advertisements;
- Provision of a range of practical information for the community on how to prepare for severe storms and other natural disaster events. The information and resources are based around the following key messages for the season:
 - Prepare your household emergency plan;

- Prepare your household emergency kit;
- Prepare your household for evacuation;
- Prepare your home;
- Tune into warnings; and
- Know your neighbours;
- Development of a range of on-line resources for local governments to provide links via their websites. Resources include web pages and downloadable fact sheets in English and 12 other languages on key steps to prepare your family, pets, and home, for cyclone, storm and flood;
- Task Tracking training delivered to 4 additional SDCC staff. Task Tracking is a web-based task management system administered by the SDCC which allows the recording, tracking and sharing of District and State-level tasks and their respective status (i.e. progress toward completion) in the context of Queensland's disaster management arrangements;
- A community test of Emergency Alert Version 2 was conducted in the Esk area. The system worked as expected, with success rates for residential areas averaging around 80% for landline calls and 60% for SMS messages;
- User training for Emergency Alert Version 2;
- 5 SDCC staff trained in RFA Training. RFA (Request For Assistance) is a web based task management system that allows the recording, tracking and sharing of requests for assistance received by the SES;
- Exercise Bonsai – an exercise involving members of the SDCG designed to exercise the coordination of State Government disaster management arrangements including elements of the new Queensland disaster management arrangements embedded within the Queensland Disaster Management and Other Legislation Amendment Bill 2010; and
- EMQ maintains caches of disaster stores including sandbags, tarpaulins, ladders, chainsaws, and generators at, Cairns, Townsville, Rockhampton, Beenleigh and Maryborough. EMQ recently purchased a disaster warehouse at Ormeau to service South East Queensland and, in 2011-2012, has funding to establish another disaster warehouse at Townsville.

QFRS

QFRS has a matrix of systems related to command, leadership, education and safety, operational response, business improvement, equipment management, research and innovation as well as corporate strategy. These strategic systems can be modified and adapted to meet changing conditions. In times of uncertainty or in emergencies, those systems are available to the public to provide reassurance, certainty and information.

The QFRS deliberately operates under an “All Hazards” approach whereby preparation and planning is conducted for all foreseeable hazards/risks. This approach involves pre-incident planning and the collection of information and where possible, the establishment of partnering arrangements with the community involved. This planning allows for a more effective and rapid application of strategies, tactics and resources to resolve an incident. This information is combined with current procedures and evolves to become local action plans for an identified high risk location or situation within a community Inter-Service Incident Management System (AIIMS).

The two main systems that underpin the QFRS “All Hazards” approach are the State-wide integrated operational planning process (SIOPP) and the Operations Doctrine (OpsDoc). Combined, these systems provide operational staff with consistent procedures and guidelines.

The QFRS Operations Doctrine is the Fire and Rescue Service state-wide approach to emergency response and incident management. Components include: QFRS Incident Management System; Incident Action Guides; Incident Directives; Incident Forms and Tools; and Field Incident Guides.

Operational planning and preparedness is fundamental and a core activity within QFRS, from the day to day emergency incidents through to large scale and seasonal incidents such as the bush fire, wet seasons and other hazardous events. Planning is a responsibility for QFRS at all levels, for each crew, shift, station, area and region, and on a state-wide basis. The quantity of planning is reflected in the quality of readiness and response. In deploying in accordance with the QFRS Operations Doctrine QFRS resources operate under a decentralised command structure, providing capability and

flexibility in response to local conditions and local communities.

A major factor each region will consider is the inherent surge capacity of the QFRS to rapidly escalate the number of urban and rural resources, to respond to extraordinary events in a pre-determined manner to meet planned and unplanned contingencies.

Under the “Commissioner’s Priorities” QFRS regions are required to prepare, train, practice (exercise) and test systems in preparation for disasters. QFRS regions must undertake at least one major exercise involving other agencies and at least two minor exercises each year. These interactions with staff in other government and non-government agencies helps to develop relationships protocols and understandings which will benefit all agencies in the event of a disaster response in that area. These exercises are required to test the communication and interaction of the control and coordination structures from the Incident Control Point all the way to Coordination Centres.

In the lead up to the 2010 bushfire season, as with every year, QFRS Senior Management maintained situational awareness of the weather and forecasts as provided at the whole-of-department briefings as well as supplementing this information with specific weather analysis relating to the upcoming fire season. There were eight fire season outlook briefings held via videoconference with all regional managers convened between June 2010 and November 2010 with a major focus on weather forecasts. As part of this process it was apparent that a change in focus was being predicted (12 October 2010), and the Commissioner advised that there was no longer a fire risk and directed all Assistant Commissioners to prepare for an extreme weather event.

As core business in preparing for each fire season the QFRS State Operations Branch conducts annual workshops in the regions from June to August. These workshops test communication systems and connectivity with Regional Incident Control Centres (ICC), Regional Operational Coordination Centres (ROCC) and the State Operations Coordination Centre (SOCC). The workshops are scheduled prior to the annual bushfire season, but test more generally the communication structures and training in ROCC procedures. In addition, QFRS officers participate as members of the LDMG and DDMG groups throughout the State. Regional QFRS representatives on all LDMG

and DDMG groups were confirmed by QFRS prior to 24 December 2010 in preparation for any disasters.

All operational equipment at the Special Operations Facility at Cannon Hill is in a “state of readiness” through continuous maintenance, auditing and replacement of equipment. This equipment includes the State Urban Search and Rescue (USAR) cache (a smaller cache of specialised equipment is also housed in Townsville). This is a specialised capability known as the Flexible Habitat consisting of tentage, generators, overpacs, ration packs breathing apparatus and other specialist stores. The State USAR cache is in place to assist extended deployments where QFRS seeks to be self sufficient. The Special Operations Unit has processes in place to deploy qualified technicians trained in all the rescue disciplines (USAR, Vertical Rescue, Confined Space, Trench Rescue and Swift Water Rescue and the newly acquired Rapid Damage Assessment ability) to bolster regional capabilities.

E. Preparation and Response to 2010/2011 Flood Events

Preparation

QAS

In October, following notification by BOM of likely weather conditions for the coming summer, the QAS Special Operations and Mass Casualty Planning Unit (SOMCP) completed annual pre-season cyclone checks, vehicle maintenance and replenishment of caches and containers.

On 29 October 2010, an Executive Briefing Note was prepared by SOMCP to the Commissioner outlining steps taken by that Unit in response to the predicted weather forecast for summer.

QAS officers from South Western Region participated in Exercise ORKO during the period 2–4 November 2010. Exercise ORKO, run by EMQ in the South Western Region, was a multi agency exercise that included flood-related operations.

EMQ

On 12 October 2010, the Assistant Director-General EMQ briefed SDMG on the revised disaster management arrangements arising from the DM Review. This was in continuation of earlier briefs to the SDMG on 9 September 2009, 9 December 2009, 19 March 2010 and 16 June 2010.

Also at the 12 October 2010 meeting of SDMG, BOM advised of an exceptionally wet season in prospect that could include up to six cyclones. As a result of this briefing, actions were taken across all regions to brief key stakeholders, including Local Disaster Management Groups and District Disaster Management Groups, of the advice received from BoM. On 13 October 2010, Regional readiness preparations began, including an assessment of capability to deal with events predicted by BOM.

On 14 October 2010, EMQ was tasked (see below) with coordination of a flooding information communications protocol.

On 15 October 2010, the EMQ Directorate conducted a teleconference with the EMQ Senior Executive Management Team (SEMT) to advise of the briefing provided to the SDMG on 12 October and to ensure that preparations were in place for the forthcoming storm and cyclone season. It is standard EMQ practice for SEMT to be briefed on impending weather. A further briefing occurred on 21 December when BOM issued further weather advice.

On 18 October 2010, BOM briefed Cabinet on their predictions for the forthcoming storm and cyclone season. Also on 18 October, EMQ ensured regional operations centre systems and procedures were tested.

On 19 October 2010, EMQ began developing planning scenarios for flooding in South East Queensland. The following day, 20 October, Exercise OPEN HEAVEN, involving 19 SDCC volunteer operational staff, was undertaken to test the operational readiness of the SDCC.

On 21 October 2010, EMQ conducted a teleconference with Regional Directors who were instructed to ensure that regional disaster management caches and warehouses were stocked. This resulted in 123,000 sandbags being available across Queensland.

On 15 December 2010, a SEQ Flood Planning Workshop was held with EMQ Regions and SEQ Local Governments. This included presentations from BOM, Seqwater and DERM together with a desk top exercise to review response capabilities to a rainfall event in excess of 1-in-100 years. Participants completed a traffic light self-evaluation. The workshop was attended by 70 representatives from EMQ (North Coast, Brisbane, South West and South East Regions), LDMGs (Gold Coast, Brisbane, Sunshine Coast, Logan, Ipswich, Redlands, Scenic Rim and Gympie), Seqwater, QFRS, QAS, QPS and agencies such as Energex. Discussions were conducted under the terms of the new DM arrangements.

On 17 December 2010, flood management issues were discussed with DIP and DERM. The following additional initiatives were undertaken:

- Storm/cyclone/flood media releases and adverts sent to EMQ Regional Directors including new advert design, template press releases for each region, list of speaking points; and
- The 'Be Storm Ready' campaign television component featured on 7, 9, 7Two and SBS, to run until end of February 2011.

Flooding Information Communications Protocol

On 14 October 2010, the Assistant Director-General EMQ was requested by the Director-General DPC to work with DERM, water authorities and councils to develop a flooding information communications protocol. The purpose of this protocol was to outline the arrangements to be followed by the Brisbane, Ipswich and Somerset Councils, relevant Queensland Government agencies and BOM to ensure the provision of consistent and robust information to the community concerning potential flooding impacts for the Brisbane River catchment, including release of floodwater from Wivenhoe and Somerset Dams. The protocol was not concerned with decisions to release water from the dams.

On 15 October 2010, the Premier wrote to Brisbane City Council (BCC) Lord Mayor and other Mayors seeking nomination of senior officers to participate in the development of the flooding communications protocol.

Meetings to develop the protocol were held on 15 October, 19 October, and 20 October 2010. These meetings involved EMQ, DERM, BOM, Seqwater, the SEQ Water Grid Manager and DPC. A draft was distributed to Brisbane City Council (BCC), Ipswich City Council (ICC) and Somerset Regional Council (SRC) on 21 October 2010. Further meetings with Councils were held on 26 and 28 October. On 1 November 2010, a draft "*Protocol for the Communication of Flooding Information for the Brisbane River Catchment - including Floodwater Releases from Wivenhoe and Somerset Dams*" was disseminated for consultation to the relevant Councils, DERM, BOM, Seqwater, SEQ Water Grid Manager and DPC.

Further consultations on the draft protocol occurred in November 2010 before, on 22 November 2010, the Premier wrote to the Lord Mayor and other Mayors suggesting that the protocol should be implemented on an interim basis pending its finalisation and formal sign-off.

A final draft protocol, containing some additional text from BCC, was emailed to ICC and SRC on 23 December 2010 for their comments on the additional wording.

QFRS

Operational planning and reviewing capability preparedness is a core annual activity within QFRS particularly taking into consideration information relating to seasonal incidents such as the bush fire and wet seasons.

QFRS Regions all conduct programmes of work, under the State-wide Integrated Operational Planning Process, toward planning and preparation for each season i.e. fire season, wet season. A number of these programmes of work had commenced prior to the briefing by the BOM on 12 October 2010. Following the BOM advice all QFRS Regions factored the weather considerations into their planning, preparation and localised responses.

A summary of the State-wide planning and preparedness activities is attached and marked '**DCS-08**'.

- The **SOCC** established scheduled video conferences to clearly communicate information, expectations, risks, resource allocation, and other pertinent information. Other activities included SOCC readiness testing for activation, including the elements of people, place and process;
- The **Geospatial Information System (GIS) Unit** continued to deliver web-based mapping systems which also included maps with the latest storm tide, flooding, and other weather data sets. This information assisted the regions in planning phases for the anticipated events, and also during the response phase;
- The **Technical Rescue (TR) Unit** continued to enhance swift water/flood water rescue (SFR) capability through the delivery of refresher workshops in the lead-up to the wet season, delivery of preparedness seminars during November, purchase of additional resources and enhancing cache capabilities, rapid damage assessment (RDA) capability enhancements, joint exercise with RAAF Air Movements in September, and the preparation of the Flexible Habitat;
- The programmes of work included: working with EMQ in planning and preparation activities; reviewing SFR capability and capacity and conducting training; engagement with the LDMGs and DDMGs, reviewing readiness of respective Incident Control Centres (ICC) and Regional Operations Coordination Centres (ROCC) including the conduct of exercises; Local Action Plans (LAP) were reviewed and updated with an emphasis on areas prone to SFR; joint planning meetings were held with QPS, QAS, and EMQ to specifically discuss the upcoming cyclone and flood season; and
- In addition to the programmes of work Brisbane region developed 6 Brisbane Emergency Response Teams (BERTs) to provide a rapid response to support incident management within ICCs, ROCCs, and intrastate deployments and **South East** region delivered educational programs to Gold Coast school children on the dangers of entering flooded causeways, and playing near drains.

These preparations were in readiness for the predicted extreme weather events. On 21 December 2010, with the threat of extreme weather effects imminent across a significant proportion of the State, the QFRS Commissioner, via teleconference from the State Operations Coordination Centre (SOCC), briefed his executive team which included all regional Assistant Commissioners and Chief Superintendents. The Commissioner instructed each region to focus on:

- Identifying known risk areas and commensurate resource capabilities;
- Engaging with LDMGs, DDMGs, and EMQ Regional Directors;
- Ensuring regional personnel assess local assets and establish arrangements for their protection; and
- Identifying and communicating logistics requirements to the SOCC for any pre-deployment of resources.

Response

Chronologies detailing the activities of each operational service of DCS are:

- QAS – attached and marked ‘**DCS-09**’;
- EMQ – attached and marked ‘**DCS-10**’; and
- QFRS – attached and marked ‘**DCS-11**’.

From late November 2010 and throughout much of December 2010, six major rain events caused increasing levels and extent of flooding across large parts of southern Queensland. During this period, the disaster management system responded to flood and storm-related incidents at the local and, where appropriate, district levels. Typical incidents, as detailed in the chronologies were associated with storm damage, limited water inundation to buildings, use of flood boats to assist residents, and the consequences of driving vehicles into swollen creeks. The latter included some fatalities.

However, the situation changed significantly in late December as a deep tropical low approached Queensland. The SOCC was activated on 23 December 2010 to manage the QAS/EMQ/QFRS response, and the SDCC activated on 24 December 2010 to manage the coordinated state agency response. Also on 24 December 2010, Deputy Police Commissioner Ian Stewart was appointed Queensland’s first State Disaster

Coordinator. At 5am on Christmas Day, Tropical Cyclone Tasha crossed the coast at Gordonvale as a Category One cyclone and brought substantial levels of rainfall over a large area.

The chronologies detail deployment of operational capabilities in response to an increasing level of flood related incidents, notably including swift water rescues. On 26 December, EA was used to warn Charleville residents about the level of water in Bradley's Gully. Meanwhile at Theodore, families began self-evacuating. Over 28-31 December disaster declarations were progressively made by DDCs for Longreach, Dalby, Gladstone, Bundaberg, Rockhampton, and Roma. On 28 December 2010, a formal approach was made to the Commonwealth for Defence Assistance to the Civil Community (DACC) for ADF heavy lift helicopters to evacuate residents. The mandatory evacuation of Theodore (population 453) was executed on 29 December 2010. This was the first occasion in Queensland that a whole township had been evacuated. The following day, 30 December 2010, the whole of Condamine (over 100 people) were evacuated to Dalby.

On 29 December 2010 as some communities entered the recovery phase, the Assistant Director-General EMQ (Bruce Grady) was appointed Queensland's first State Recovery Coordinator. The new disaster management arrangements that entered force on 1 November 2010 were seen to be functioning well. Response and recovery activities were being coordinated across agencies through the leadership of the Coordinators under the authority of the SDMG. Increasing levels of support were being requested via the LDMG – DDMG – SDMG chain, and growing levels of assistance were being provided by the Commonwealth and other jurisdictions. Resupply of Mackay and Rockhampton were particular challenges.

By 9 January 2011, 831 houses had been evacuated and 1,799 people were being housed in six evacuation centres. Further deployments of QAS, QFRS and SES assets were being made into the affected areas. EMQ helicopters had flown 29 sorties, mostly patient evacuations.

On 10 January 2011, an exceptional flash flood struck the Toowoomba area and swept down the range into the Lockyer Valley, devastating communities including Withcott, Murphy's Creek, Postman's Ridge, Helidon and Grantham. Two EMQ helicopters

winched 43 people to safety from Grantham, and QFRS were involved in numerous water rescues. QFRS rapid damage assessment teams were deployed across the Lockyer Valley.

Further district-level Disaster Declarations were made on 10 January 2011 for Gympie and Maryborough followed by Warwick and Brisbane on 11 January 2011. Later on 11 January, State-level Disaster Declarations were made for Brisbane, Bundaberg, Dalby, Gladstone, Gold Coast, Gympie, Ipswich, Logan, Maryborough, Rockhampton, Roma, Sunshine Coast, Toowoomba, Warwick and Redcliffe. Some of these declarations were in advance of flooding in order that appropriate powers, such as mandatory evacuation, were already in place.

From 10-12 January 2011, an upper-level low combined with a humid easterly flow to deliver three-day rainfall totals exceeding 200mm over most of an area bounded by Brisbane, Gympie and Toowoomba, including most of the Brisbane River catchment. On 11 January, EA messages were sent to over 211,000 mobiles and 150,000 landlines in the Ipswich area to warn residents of the need to monitor river levels and prepare for evacuation. Ipswich and Brisbane suffered major flooding on 12/13 January.

On 12 January, the SDCC lost connectivity to the Disaster Management (DM) Portal due to loss of power at the West End business premise where the DM server was located. The Portal is critical to the disaster response and management capabilities of the SDCC. Using an SES Flood Boat, and under QPS jet ski escort, two DCS staff entered the already flooded West End premises. The server was retrieved and transported back to the DCS Data Centre where it was restored to full operational connectivity in a matter of hours.

By 13 January, Brisbane was operating 4 evacuation centres with 1,636 people, while Ipswich had 22 evacuation centres housing 1,995 people. QFRS and SES were heavily engaged searching for missing persons in the Lockyer Valley.

Across the State on 13 January, 1424 houses had been evacuated, and 50 evacuation centres were housing 4,309 people. ADF heavy airlift was resupplying north and west of the state via Townsville and Bundaberg. Condamine was completely evacuated for a second time. Goondiwindi was isolated by flooding with a threat that the Macintyre

River would breach the levees. With QAS support, 61 patients from the hospital and nursing home were airlifted to Warwick and Inglewood. EMQ helicopters flew two of the evacuation sorties. QAS established a TMC at Goondiwindi in addition to that already deployed to Ipswich. Two EA messages were passed to over 7,000 mobiles and over 6,000 landlines in Goondiwindi.

With the scale of the recovery effort growing and an increasing level of Commonwealth, particularly ADF, effort becoming essential, Major General Mick Slater was appointed to lead Queensland's Flood Recovery taskforce on 5 January. However, following the flash flood in Toowoomba, the devastation in the Lockyer Valley, and the extensive damage to Ipswich and Brisbane, the Premier announced on 19 January that the Taskforce was to be replaced, pending the introduction of legislation, by the Queensland Reconstruction Authority (QLDRA) with General Slater as its Chairman. There was no longer a requirement for a State Recovery Coordinator, and Bruce Grady ended in this role on 21 January 2011.

For an extended period, almost all DCS emergency service capabilities had been at full stretch, supported by large numbers of personnel from the strategic policy and corporate support divisions. QCS also made a significant contribution, with low risk category prisoners contributing community service to flood-impacted areas. Recovery efforts continued at full pitch into and beyond late January. On 30 January 2011, Tropical Cyclone Anthony made landfall near Bowen causing further damage. But attention had already turned to a much larger cyclone emerging from a tropical low near Fiji. It was designated Yasi.

Noting that full details of operational responses to the 2010/2011 flood events are set out in the attached chronologies (referred to above):

- QAS had deployed a TMC to four locations: Gladstone, St George, Ipswich, Goondiwindi;
- QCS organised over 5,900 hours of community service by low risk category prisoners;
- EA was used 39 times to deliver 37 separate warnings;
- 686 SES volunteers were deployed through 38 task forces;

- 425 of these SES volunteers were from Queensland, 246 interstate, and 15 from NZ;
- EMQ processed 733 requests for assistance (RFA) from LDMGs and DDMGs;
- EMQ coordinated 561 State-level resupply operations;
- EMQ helicopters had flown 54 operational sorties;
- 554 fire service personnel were deployed, of whom 232 were from interstate;
- QFRS responded to 360 rescue water all types;
- QFRS conducted 8714 rapid damage assessments;
- QFRS GIS Unit had generated 277 operational maps; and
- ICS responded to 112 Urgent Priority Incidents relating to the ICT environment.

F. Preparedness for Next Wet Season

Operational Debriefing

Operational debriefing routinely occurs after an event such as a flood or cyclone in order to capture lessons learned. Areas where improvements can be made to operations or operational support are identified through operational debriefing.

QAS, EMQ and QFRS are in the process of debriefing their personnel on operations conducted during the 2010/2011 flood events. These debriefings occur across all tiers of the operational structure. It has not yet been completed because personnel are still involved in recovery operations following the floods and cyclones, and are preparing for further potential flood and cyclone activity this season.

Lessons identified from LDMGs and DDMGs as a result of operational debriefings will be collated with assessments at the state level. Recommendations for change will be taken to the SDMG with a view to implementation, where feasible, before the next storm season.

COAG via the Ministerial Council for Police and Emergency Management (MCPem) will also be informed of issues/lessons identified through the operational debriefing process. Queensland works collaboratively with the States and Territories in conjunction with the Commonwealth to promote consistency, economies of scale and

interoperability across jurisdictional boundaries in disaster management.

Recommendations for preparedness for next season as a result of Operational Debriefing from 2010/2011 floods events

As a consequence of the debriefing that has occurred to date, a number of recommendations for next season have been identified.

1. QFRS review the capability and capacity of Swift Water Rescue

QFRS is responsible for swift water rescues. There are currently 205 qualified swift water technicians across the State. During the flood events, water rescue capability in impacted regions was enhanced by deploying technicians from other regions. QFRS will review the capability and capacity of swift water operations prior to the next wet season and provide additional training programs where necessary to increase the number of qualified technicians.

2. Train more people across government for watch keeping in SDCC

The scale of recent events, with both flood and cyclone activity, has required the SDCC to be in operation over an extended period of time. This has highlighted the need for extra staff across government to be trained to perform watch keeping duties. The existing training program will be expanded so that additional trained staff will be available to work in SDCC next wet season.

In other cases, the early lessons from operational debriefing are being used to support or adapt existing programs.

3. Reduce vulnerability of the DM Portal to flood

The DM Portal is a passive database that stores information to share with other agencies, for example maps, data and reports which may be utilised by external stakeholders, such as Councils and volunteer organisations during disaster events. During the Brisbane flood events, the service provider for the DM Portal, located at West End, became flooded, rendering the Portal inoperable for four hours. As a consequence, a new disaster recovery site for EMQ systems is being established at the whole-of-government Data Centre, Polaris, located at Springfield. This will reduce the

likelihood of a system failure occurring from flooding in the future and provide redundancy in the case of failure.

4. Improved Information Management

Prior to the recent flood events, an All Hazards Information Management Program was being developed by DCS aimed at providing "right information, right place, right time" to key stakeholders by utilising existing information systems across government, including local government. The recent floods have confirmed that Queensland's disaster management arrangements will benefit from these information system enhancements. Ready access to agency specific data developed in response to a particular event is an important consideration during disasters; for example, the ability for agencies to access other agencies (particularly local government) information in real time allows decision makers to quickly obtain a full overview of an event and deploy response and recovery capability.

5. Emergency Alert

The VBRC recommended the implementation of Emergency Alert (EA) warnings to landline and mobile handsets. During the 2010/2011 flood events, 36 separate emergency alert warnings were sent by text message to a total of over 672,000 mobile phones based upon the service address of the mobile account. On behalf of all States and Territories, Victoria is presently negotiating with the telecoms industry an enhancement that will allow warning text messages to be sent to mobile handsets based upon the physical location of the handset. Implementation will include full integration with the existing EA arrangements and extensive trials. The date of introduction to service of this enhancement is part of the negotiations with the telephone companies.

The flood events provided the first occasion that Queensland used EA repeatedly on a large-scale. DCS now has a significant body of evidence to investigate our use of EA and community reactions to that use. This will be used to review and, where appropriate, adapt operational procedures before the next wet season.

6. Using Social Media

DCS information systems did not use social media, including for example Facebook, during the flood events. The All Hazards Information Management Program includes initiatives that will enable social media to be used for the dissemination of disaster management information, including warnings, to the community. By next wet season, systems supporting the use of Facebook and Twitter will be in place.

7. Use of the ADF for Disaster Response and Recovery

Response to the floods again showed that the ADF has unique capabilities and capacity essential for large-scale disasters, including: heavy airlift, logistics, and large numbers of trained personnel at high readiness. The presence of the ADF also provides a significant psychological fillip to devastated communities. Continued cooperation and planning with the ADF for disaster operations has been strengthened over the last year. This process will be continued to enable a more rapid deployment of ADF resources in large-scale disaster events.

G. Indication of relevant documents held by Department

The categories of documents held by DCS include:

QAS

QAS has approximately 20,000 documents including generic emails, situation reports, logistical arrangements, staff deployment matrices, BOM briefing material, SMEAC reports, incident logs, LDMG and DDMG documents, contact lists, damage reports to QAS infrastructure, evacuation task documents, state-wide coordination documentation maintained by the SOCC, minutes of teleconferences and meetings, internal briefing material, Computer Aided Dispatch records relating to key events and cases, photographs and documents relating to delayed responses.

EMQ

EMQ has approximately 100,000 documents including generic emails, documents relating to the preparation and planning by Federal, State and Local governments; emergency services and the community for the flood events in Queensland which included but not limited to Disaster Management Strategic Policy Framework, Queensland State Disaster Management Plan. Documents relating to the immediate

management, response and recovery including but not limited to Queensland flooding event chronology. Documents relating to resourcing and overall coordination and deployment of personnel and equipment.

QFRS

QFRS in relation to disasters of the magnitude of the 2010/2011 events holds enormous amounts of data across the organisation at numerous levels. These documents are held in a number of locations including State Operations Coordination Centre, located at State Headquarters, Kedron Park, Incident Control Centres with Incident Management Team. Geographically these centres are located in the region where the incident occurred. The system in place captures the important key information.

ICT

ICT has approximately 1,100 documents including but not limited to generic emails, minutes of planning meetings, incident and problem management framework and the ICS operations log.

Strategic Policy Division (SPD)

SPD holds approximately 3,000 documents including generic emails and letters, environmental impact statements, social infrastructure management plans, development schemes for declared urban development areas, priority infrastructure plans, proposed master planned areas, local government planning scheme reviews and amendments, proposed transit oriented development and proposed major activity centres.

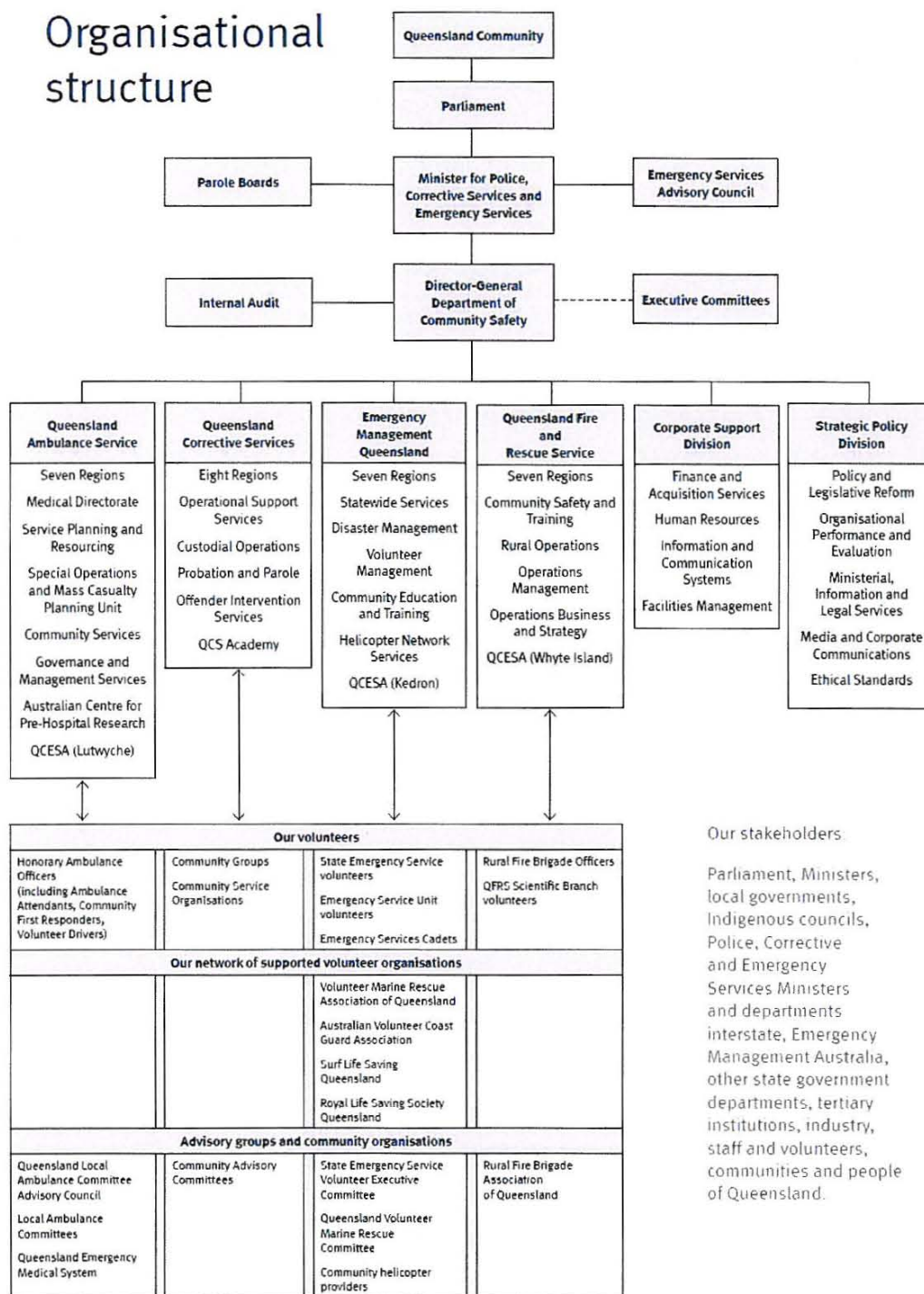
Index of documents attached to

DCS

Exhibit	Description
DCS-01	Organisational Structure for the Department of Community Safety
DCS-02	QAS organisation, decision-making structures and specific capabilities related to disasters
DCS-03	EMQ organisation, responsibilities and volunteer management arrangements
DCS-04	Further details on EA and other methods of delivering warnings
DCS-05	QFRS Organisation, Doctrine, Communications and State Rescue Policy
DCS-06	Role of DCS in land use planning
DCS-07	Delegation of Statutory Powers
DCS-08	Summary of the state-wide planning and preparedness activities
DCS-09	QAS Chronology
DCS-10	EMQ Chronology
DCS-11	QFRS Chronology
DCS-12	MCPEM Resolution

SOQ 11 March Submissions

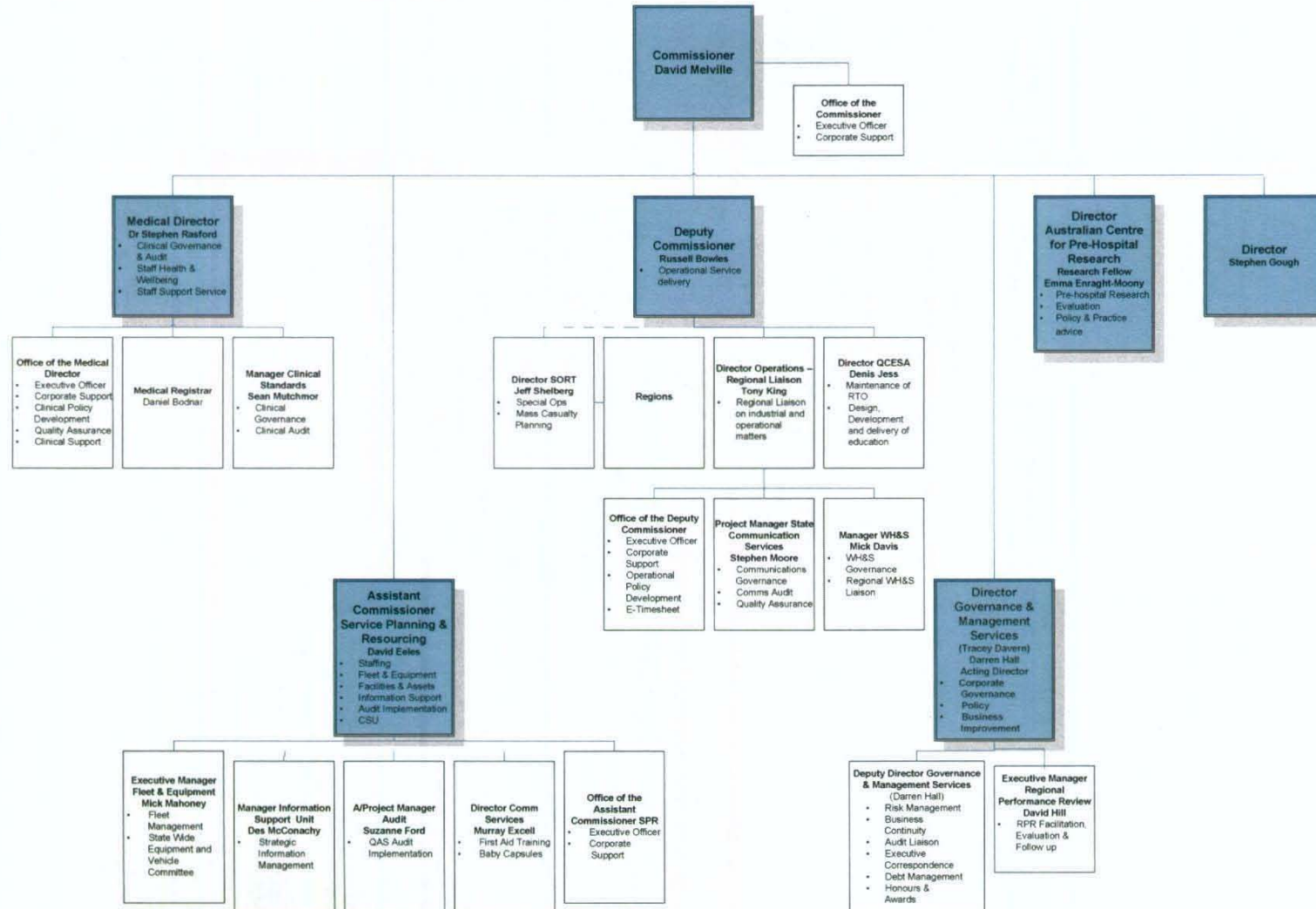
'DCS-01'

Organisational
structure

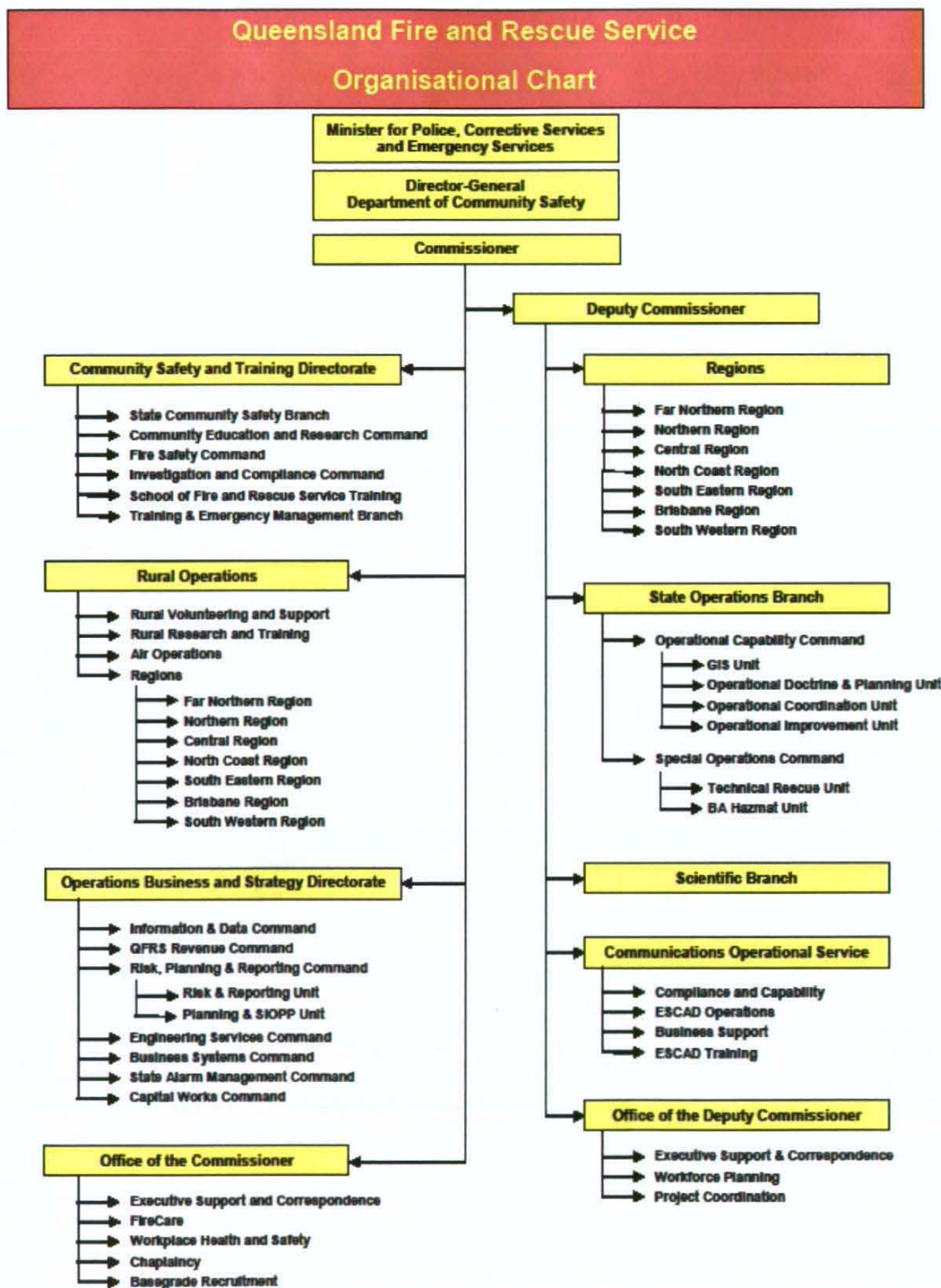
Our stakeholders:

Parliament, Ministers, local governments, Indigenous councils, Police, Corrective and Emergency Services Ministers and departments interstate, Emergency Management Australia, other state government departments, tertiary institutions, industry, staff and volunteers, communities and people of Queensland.

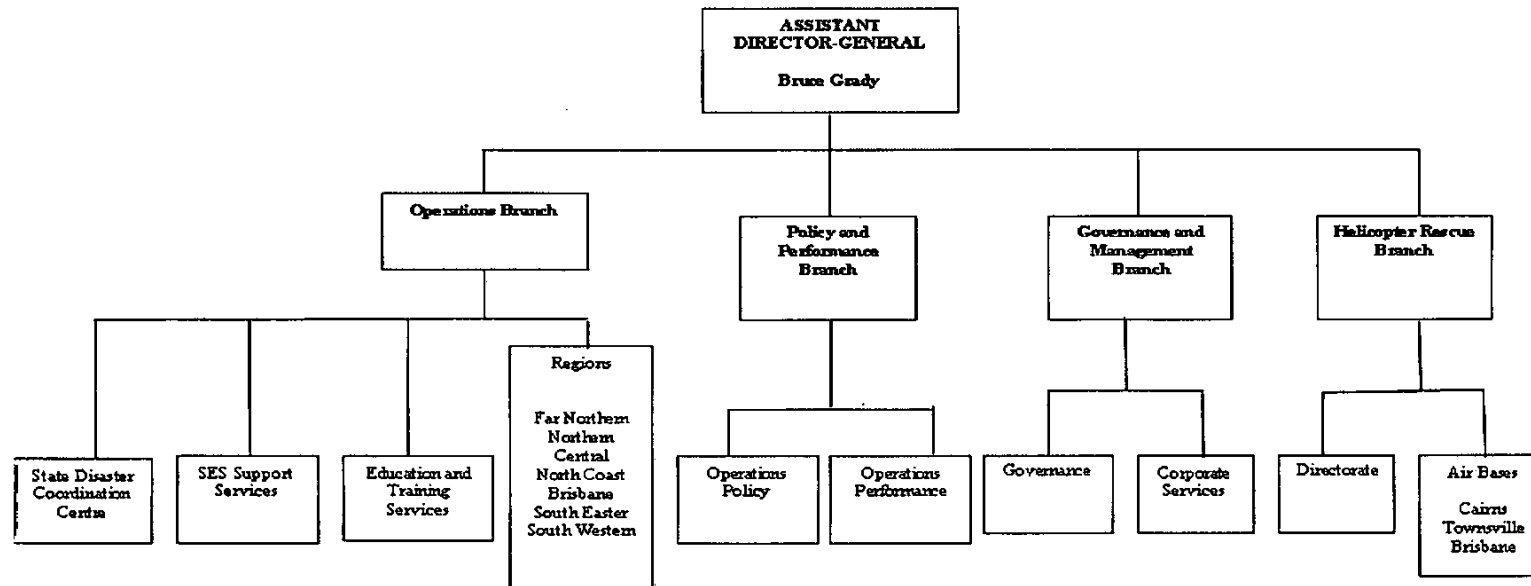
QAS Organisational Structure



QFRS Organisational Structure



EMQ Organisational Structure

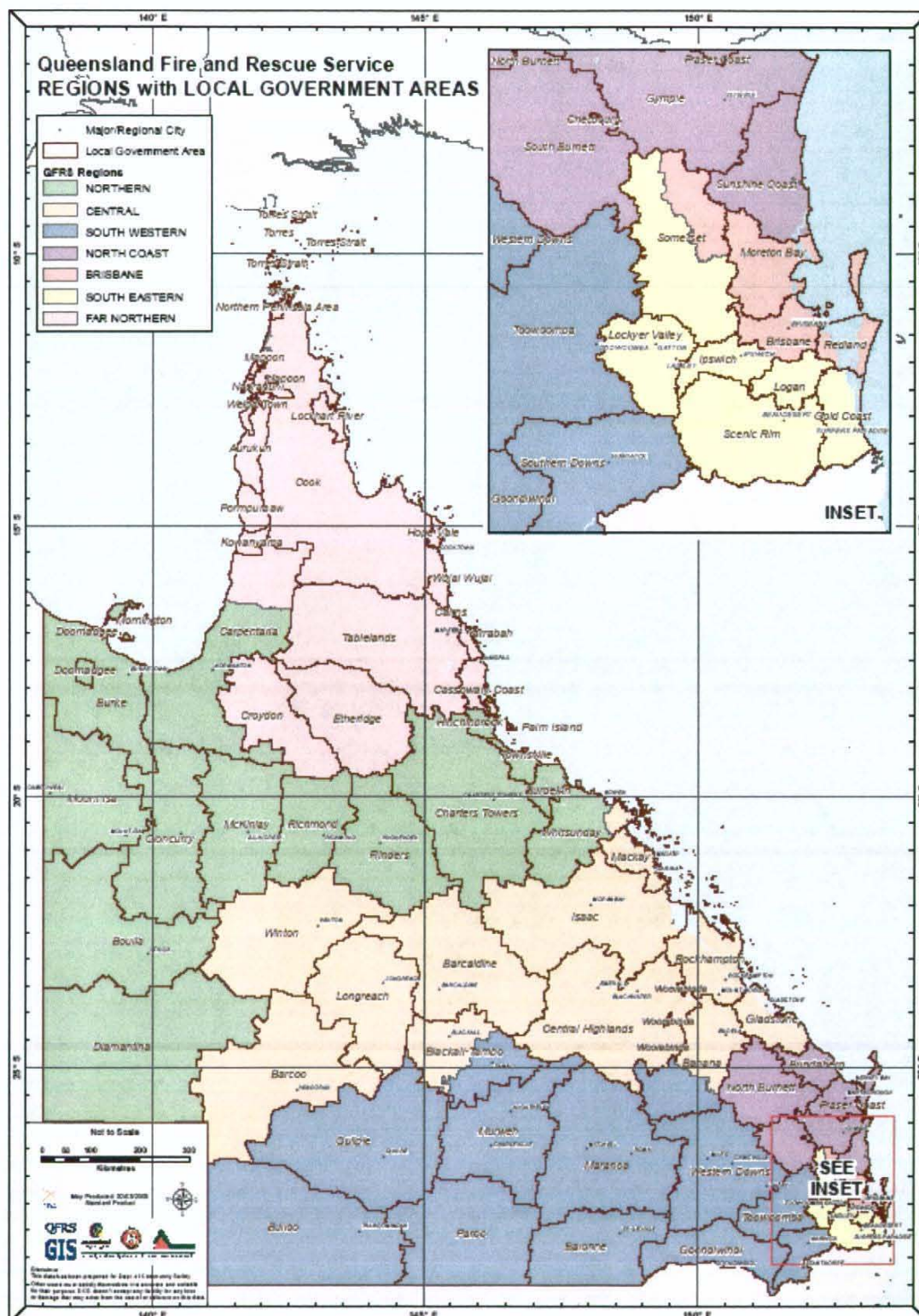


Summary of Primary Response Capability (State Rescue Policy Extract)

Category	Primary Response Organisation and Capabilities		Other Response Organisations
Vertical Rescue	QFRS – Full rescue capability for urban area serviced by fulltime stations.	EMQ – Full SES or ESU rescue capability for areas not serviced by QFRS full-time stations where appropriately trained and equipped units are located	QAS – Patient Care and Transportation. QPS – SERT for designated rescues.
Road Crash Rescue	QFRS – Full rescue capability for urban and semi-urban areas serviced by a fulltime or auxiliary stations.	EMQ – Full SES or ESU rescue capability for semi-urban and other areas not serviced by QFRS full-time or auxiliary stations where appropriately trained and equipped units are located.	QAS – Patient Care and Transportation.
Flood and Inland Waterways Search and Rescue	EMQ – Full SES or ESU rescue capability for all areas with flood potential.		
Swift Water Rescue	QFRS – Full rescue capability for urban area serviced by a fulltime stations		QAS – Patient Care and Transportation.
Confined Space Rescue	QFRS – Full rescue capability for urban and semi-urban areas serviced by fulltime stations and all areas where BA equipment is required.		QAS – Patient Care and Transportation.
Trench Rescue	QFRS – Full rescue capability for urban and semi-urban areas serviced by fulltime and auxiliary stations.		QAS – Patient Care and Transportation.

Category	Primary Response Organisation and Capabilities		Other Response Organisations
Urban Search and Rescue Structural Collapse	<p>QFRS – Full rescue capability for urban semi-urban and rural areas with state taskforce. Auxiliary stations to respond to single dwelling incidents in semi rural areas</p>	<p>EMQ – Limited SES or ESU rescue capability for single story residential style structures in semi-urban and all rural areas not serviced by QFRS fulltime and auxiliary stations.</p> <p>This function is pending Executive Director EMQ approval of the function (refer to s87 of the Disaster Management Act 2003).</p> <p>Activation of SES/ESUs for Urban Search and Rescue incidents must reflect the reality of current limited training (Level 1) and equipment.</p>	<p>QAS – USAR Taskforce Paramedics to respond with taskforce.</p> <p>QAS – Patient Care and Transportation</p>
Land Search and Rescue	<p>EMQ – Full SES or ESU search and rescue capability in rural and urban areas.</p>		<p>QPS – is the SAR authority for Queensland and will control all land search operations.</p> <p>QAS – Patient Care and Transportation.</p>
Industrial Commercial and Residential Rescue	<p>QFRS – Full rescue capability for urban and semi-urban areas serviced by fulltime and auxiliary stations.</p>		<p>QAS – Patient Care and Transportation.</p>
Coastal Blue Water Rescue	<p>VMRAQ and AVCGA–full search and rescue capability in the offshore marine environment.</p>		<p>QPS – is the SAR authority for Queensland and will control all marine search operations.</p>
Coastal White Water Rescue	<p>SLSQ and RLS Clubs – full rescue capability for coastal areas.</p>	<p>Local Government limited rescue capability for areas patrolled by a LG lifeguard service.</p>	<p>QAS – Patient Care and Transportation.</p>
Helicopter Rescue	<p>EMQ–full rescue capability through EMQ Helicopter Rescue.</p>		<p>QAS Patient Care</p>

QFRS Regions



'DCS-02'

QAS – Organisation, Decision Making Structures and Disaster Capabilities

QAS provides its services through 3,547 FTE employees and approximately 330 honorary ambulance officers, including Ambulance Attendants, Community First Responders and Volunteer Drivers, and health service responders. Our services are delivered in collaboration with the other

divisions of the department and Queensland Government stakeholders.

QAS maintains 291 ambulance response locations throughout Queensland, including:

- 219 ambulance stations
- 27 honorary ambulance stations
- 4 field offices
- 27 Community First Responder locations
- 9 air bases
- 5 mine sites

Decision Making Structure: Normal Operations

QAS provides essential emergency ambulance services including pre-hospital care and related services across Queensland. The QAS objective is to provide ambulance services to meet the needs of the community with a timely response. QAS provides services including:

- pre-hospital response services to patients who suffer sudden illness or injury
- emergency and routine pre-hospital patient care, coordination of aero medical services and inter-facility ambulance transport
- planning and coordination of major events, multi-casualty incidents and disasters
- community services such as community education and baby capsule hire and installation services
- pre-hospital care research

Notwithstanding the Commissioner's overall authority and responsibilities under Section 9 of the *Ambulance Service Act 1991*, QAS delivers services using a decentralised model through seven regions throughout Queensland. A regional management team in each region assists the Assistant Commissioner in each region to manage the day to day operations of that region and to make relevant decisions in that regard. The Assistant Commissioner is the accountable officer for decisions relating to the operations in his or her region.

However, where operational issues arise that have an impact or implications State-wide or across a number of regions, or are beyond the resources or capacity of the respective region/s to manage, the Commissioner may direct these items to the Deputy Commissioner for enacting a state-wide response.

Decision Making Structure: Disaster Operations

During disaster operations which affect broader state ambulance operations, or are beyond the resources of capacity of and individual region/s, under the direction and authority of the Commissioner, the Deputy Commissioner is responsible for enacting the state response and takes on the role of QAS Incident Commander. As Incident Commander, the Deputy Commissioner is responsible for the strategic management of the incident/event.

In executing these responsibilities, the Deputy Commissioner may delegate elements of this responsibility to other officers. In these circumstances, the Director Operations, Regional Liaison is normally charged with the responsibility for managing and facilitating effective communication, coordination and liaison with other agencies. Likewise, the Director, Special Operations and Mass Casualty Planning is charged with the responsibility for managing the tactical aspects and response of strategic QAS assets such as specially trained paramedic officers, the initiation of logistical arrangements, assistance with establishment and maintenance of effective command and control and so on.

The QAS Special Operations & Mass Casualty Planning (SO&MCP) Unit has been established within the QAS to assist in the planning and education of Officers to analyse the response capability and to evaluate performance of functions relating to major events and mass casualty incidents.

The objective of the Unit is to develop and provide high level strategic and operational policy advice and options in support of the QAS strategic plan, especially in relation to mass casualty incidents and major events. The Unit assists in maintaining and managing the development, implementation and review of state-wide operational policies, strategies and projects. Other elements of the Unit's functions include:

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The Unit assists in maintaining and managing the development, implementation and review of state-wide operational policies, strategies and projects. Other elements of the Unit's functions include:

Logistics

Special Operations Logistical capability for a major disaster such as a flood event include the following:

1. Three Tactical Medical Centres (TMC) consisting of shelter and auxiliary power to operate the facility in adverse climatic conditions. These allow for the provision of patient care including medical supplies and food in way of ration packs with each unit capable for 25 patients consisting of five high care and 20 medium care beds. These TMC are mobile and are located on a truck for immediate response. Two units are based at Tingalpa and one unit based at Townsville.

2. One additional container based Tactical Medical Centre (TMC) has the same capability and can be airlifted to any location within Queensland in a C-130 ADF aircraft.
3. Further response capability consists of an amphibious vehicle and quad bike to give Special Operations an advance response capability to attend to patients in difficult to access terrain such as seen during the Queensland Floods.
4. A trailer that has the capability to set up some small shelter to deal with minor incidents or protracted incidents on a smaller scale is also available with the capability to attend to up to 10 patients.
5. Each region maintains a cache of equipment and patient care supplies to support their Special Response Teams (SRT). In addition, infection control consumables are cached throughout the state in support of QAS operations during an influenza pandemic.
6. This logistical support is underpinned by a manager and six (6) specially training officers in special access and incident management vehicles that can be deployed intrastate, interstate and internationally.

Special Response Teams

SRTs are a group of specially trained paramedic officers within each region that have been trained in the establishment and maintenance of a fully functional TMC in any given location. As part of their training Special Operations has a yearly three day training exercise program for each region.

This capability enhances the Brisbane based Special Operations Response Team (SORT) capacity to maintain the TMC for a long period by rotating the SRT from the different regions that have not been impacted by the disaster. Each region maintains a compliment of 10 officers to the SRT standard and a annual fitness and skills assessment is completed to maintain currency.

Incident Command System (IMS)

QAS, like the other agencies within the Department, follows the IMS system. This incident command system has been tested on many occasions since its introduction first by QFRS and later by QAS and other agencies. Well recognised and employed consistently by all emergency service agencies, the system allows a seamless interface with other agencies, with the roles and functions understood by all.

Preparedness

QAS, in its preparedness phase, has developed a number of command courses that are delivered to all levels of management starting with the on road paramedic to the more senior Area Director and Director Operations. These are the Command and Control Courses 1, 2, and 3. These cover all the current and future anticipated incidents including man-made and natural disasters.

Legislative Responsibilities

Whilst many pieces of legislation and government policy apply to the day to day management of the Queensland Ambulance Service, such as the Financial Accountability Act 2009, Disaster Management Act 2003, State Purchasing Policy and so on, the primary pieces of legislation administered by QAS are:

- Ambulance Service Act 1991
- Ambulance Service Regulation 2003

'DCS-03'

EMQ – Organisation, Responsibilities, Key Staff Roles, and Warnings

EMQ delivers its services through 242 FTE employees and some 6,800 SES volunteers, and over 600 Emergency Service Cadets supported by 250 adult leaders. In addition, EMQ supports: the Volunteer Marine Rescue Association Queensland; Australian Volunteer Coast Guard Association; Surf Life Saving Queensland; and Royal Life Saving Society Queensland. Services are delivered from: the Kedron Park Complex; 19 EMQ offices (7 regional offices and 12 area offices); 3 EMQ Helicopter Rescue air bases; and numerous volunteer locations.

EMQ consists of the Assistant Director-General's Office overseeing four branches.

Operations

- Policy and Performance
- Government and Management; and
- Helicopter Rescue.

Operations Branch

The Operations Branch is the service delivery area of the Division. It has practical focus on providing direct support to those who have a role in the disaster management system and includes the following:

- *State Disaster Coordination Centre*: Ensures the State Disaster Coordination Centre (SDCC) is ready to transition to effective operational mode at any time.
- *SES Support Services Unit*: Ensures that SES volunteers are supported through the delivery of EMQ's obligations described in the *Disaster Management Act 2003*.
- *Education and Training Services Unit*: Provides strategic planning for disaster management and SES training and identify and develop curriculum and materials.
- *Regions*: Directly deliver services to local and district disaster managers and the SES.

Policy and Performance Branch

The Policy and Performance Branch focuses on developing and applying practical policies; and ensuring the disaster management system is continuously monitored and reviewed to reflect best practice. This includes the Operations Policy Unit, Operations Performance Unit and the Governance and Management Branch.

Governance and Management Branch

The Governance and Management Branch includes: Corporate Services; Planning and Performance; Governance Reporting; Divisional Correspondence; Finance; and Human Resources.

Legislative Responsibilities

To fulfil the obligations of DCS under the *Disaster Management Act 2003*, EMQ has been delegated responsibility for providing the following services:

- *Disaster Management*: EMQ is required to undertake certain tasks and responsibilities, in accordance with the functions of the Chief Executive, as outlined in *Disaster Management Act*

2003, s16(A). These include: reviewing and assessing the effectiveness of disaster management by the State; ensuring that disaster management and disaster operations are consistent with the State Disaster Management Plan; maintaining arrangements between the State and Commonwealth over disaster management; regularly reviewing the effectiveness of disaster management by disaster groups and local groups; and ensuring persons performing functions under the Act are properly trained.

- *Volunteer Management:* EMQ maintains a role in the management of disaster management volunteers. This is through leading, directing and coordinating State-wide services to enhance volunteer outcomes, through the development of policies and strategic frameworks to support volunteers. EMQ administers the Government support to the Volunteer Marine Rescue Association of Queensland, Australian Volunteer Coast Guard Association, Surf Lifesaving Queensland and the Royal Surf Life Saving Society. In regards to SES, EMQ is required to undertake the certain tasks and responsibilities, in accordance with the functions of the Chief Executive, as outlined in *Disaster Management Act 2003*, s83(a), (b) and (c);
- *Disaster Management Funding:* EMQ has an administrative function to deliver National disaster management funding arrangements at the state level, and administer State programs. Disaster management funding covers Natural Disaster Relief and Recovery Arrangements (NDRRA), State Disaster Relief Arrangements (SDRA) and Natural Disaster Resilience Program (NDRP; and
- Additional responsibilities during disaster operations, including: operation of the State Disaster Coordination Centre (SDCC); re-supply operations; coordinating SES deployments; contributing to recovery operations; coordinate requests for use of Emergency Alert (EA); and coordinate requests for Commonwealth assistance.

Roles of Key Staff during Disaster Events

The Assistant Director-General, EMQ is a member of the State Disaster Management Group and provides advisory services to the Group and ensures the strategic operational capability of EMQ. During disaster events this officer primarily provides advisory services to the SDMG.

The Executive Director Operations, EMQ is responsible for ensuring the operational capability of EMQ. During disaster events this officer primarily oversees the tactical operations of EMQ staffing and SES and the functioning of the State Disaster Coordination Centre.

The Director Policy and Performance, EMQ ensures an effective Disaster Management Policy regime is maintained and monitors performance of the disaster management system at all levels. During disaster events, this officer supports the operations of the State Disaster Coordination Centre.

The Regional Directors, EMQ are appointed as members of the District Disaster Management Group and are responsible for ensuring EMQ capability of both staff and volunteers at the regional level. During disaster events, these officers participate in the functioning of the District Disaster Management Group and oversee the EMQ operations within their region.

The Executive Manager, State Disaster Coordination Centre is responsible for ensuring the effective operation of the State Disaster Coordination Centre. During disaster events this officer performs a Room Manager function within the State Disaster Coordination Centre.

The Executive Manager, SES Support Services ensure the operational capability of the SES at a state level. During disaster events this officer oversees the coordination of the deployment of SES and resources to support their operations.

The Area Directors, EMQ are members of the Local Disaster Management Groups and ensure the capability of SES units within the Area. During disaster events, these officers work in the Local Disaster Coordination Centre providing disaster management advice to Local Government. In addition, EMQ may deploy some of the officers to impacted areas to manage the operations of SES.

Warnings

‘DCS-4’ covers options for delivering warning messages to the community.

'DCS-04'

Warnings to the Community

Emergency Alert

- COAG agreed to take immediate steps to develop a telephone-based emergency warning system following the Victorian Bushfires in February 2009.
- Launched nationally in December 2009 (except in Western Australia). Establishment costs of \$15.65 million were met by the Commonwealth.
- Emergency Alert messages contain basic details of the threat, recommended actions and advice on where to go for further information.
- One thousand voice messages per minute can be sent to fixed line telephones based on the physical location of the land line.
- Text messages are sent to mobile telephones based on the registered service address of the subscriber.
- New software has now increased the speed of SMS messages from 18,000 to up to 30,000 per minute, and there are a number of other enhancements assisting the operator to initiate an Emergency Alert message.

Queensland Flooding – December 2010 and January 2011

- During the period 26 December 2010 to 14 January 2011, Emergency Alert was used 39 times to deliver 37 separate warnings across a wide area from central to south east Queensland.

When should Emergency Alert be used?

- If it is expected within 12 hours, what factors could increase or decrease the threat?
- Is the expected impact inevitable?
- Is there a potential for loss of life and/or a major threat to a significant number of properties or the environment?
- Is the event going to occur in a timeframe too short to allow EA to be used effectively? e.g. A micro-burst can be a very destructive meteorological phenomena but usually only has a life-span of 5-15 minutes.
- Is the event likely to happen so frequently as to raise unrealistic expectations in the communities mind about receiving alerts?
- Does the community need to act in some way, for example listen to local media for detailed information?

Who can issue an Emergency Alert?

- In Queensland, the Federally-recognised Emergency Management Person (EMP) is the Director-General, Department of Community Safety. The EMP delegates authority to issue an emergency alert to senior operational commanders.

Complementary to Existing Procedures

- **The Emergency Alert system complements standard emergency warning methods such as radio and television broadcasts, website updates and local notifications such as door-knocking.**

- In addition, an agreement and protocol between the Australian Broadcasting Commission (ABC) and the Queensland Government exists for Emergency Broadcast on ABC radio. An agreement has also been signed with commercial radio stations to assist in alerting listeners to dangers in the event of disasters.

Other telephone-based systems - Early Warning Network (EWN)

- The Brisbane and Townsville City Councils have adopted the Early Warning Network, in addition to the state-wide Emergency Alert System.
- Elders Insurance implements the EWN System.
- Free alerts via SMS are available for residents of participating Councils (Brisbane and Townsville), customers and members of Elders Insurance Weather Alerts, and employees of these companies.
- Email and desktop alerts are delivered free to everyone who signs up.

Standard Emergency Warning System (SEWS)

Responsibility for the management of SEWS in Queensland rests with the Assistant Director-General of Emergency Management Queensland (EMQ) in coordination with the Queensland Regional Director of the Bureau of Meteorology (BoM) for meteorological purposes.

As part of a coordinated national emergency plan, a distinctive audio signal has been adopted to alert the community to the broadcast of an urgent safety message relating to a major emergency/disaster. SEWS is a wailing siren sound which has been used in Queensland to attract attention to cyclone warnings where a destructive impact was expected.

It is vital that the impact of the warning signal be preserved by ensuring that it is used for serious impacts only.

The audio signal will only be used:

- a) To alert listeners/viewers of radio/television, or where appropriate by other means, that an official announcement is about to be made concerning an actual or potential major emergency/disaster likely to affect them; and
- b) When the public need to be informed to take, or be prepared to take, specific action in order to protect life, property or the environment.

As a general rule, the following four factors should be present:

- 1) Potential for loss of life and/or a major threat to a significant number of properties or the environment. Usually the threat/impact would be the lead item in local news bulletins;
- 2) A significant number of people need to be warned;
- 3) Impact is expected within 12 hours - or is occurring at the time; and
- 4) One or more phenomena are classified as "destructive".

It is vital that the status and effectiveness of the SEWS is maintained by limiting its use to significant events only. Such events will be restricted to:

- Wind Gusts >125 km/h (for example tropical cyclones of category 2 and above or their wintertime equivalents).
- Storm Tide > 0.5 m above Highest Astronomical Tide.
- Large Hail > 4cm in diameter (corresponding to > golf ball size).
- Tornado(es).
- Major Flood, Flash Flood and/or Dam Break.
- Intense Rainfall leading to Flash Floods and/or Landslides (1-6 hour rainfall total
 ➤ 50 year Average Recurrence interval).
- Geo Hazards including effects of Earthquakes and/or Tsunami Waves > 1m (tide dependent).
- Major Urban and Rural Fires.
- Major Pollution, Hazardous Material or Bio-Hazard Emergency.
- Civil Defence Emergency (as defined in Article 61 of Protocol 1 of the 1977 Protocols Additional to the Geneva Conventions of 1949).
- Other major Emergency situations.

Radio/TV campaigns

- A community awareness advertising campaign for the SES 132 500 number is underway and includes advertisements on ABC radio. In addition, NRMA Insurance radio and television advertisements commenced on 1 November 2010.
- A range of "Tune into Warnings" material has been developed, which encourages members of the community to be alert to emergency warning information. This material promotes tuning into the local ABC radio station, logging onto the Bureau of Meteorology website, and being aware of Emergency Alert messages that are sent to landlines and mobile phones. The warnings urge people to respond according to the messages provided.
- The National Indigenous Radio Service campaign broadcasts culturally relevant community safety messages on cyclone, storm and flash flood to the State's Indigenous communities under the "Keeping Our Mob Climate Safe" initiative.
- The "Be Storm Ready" campaign radio component featured on a number of commercial radio stations ran from 7 November 2011 to the end of February.
- The "Be Storm Ready" campaign television component featured on channel 7, 9, 7Two and SBS ran from 5 December 2010 until the end of February
- DCS also partnered with five councils to install ten highway billboards encouraging coastal communities to prepare for the cyclone season – Townsville, Hinchinbrook, Whitsunday, Cassowary Coast and Rockhampton Councils.

Door knocking

- SES conducted door knocking in a number of communities to advise residents of impending flood waters and where necessary to evacuate.

'DCS-05'

QFRS Organisation, Doctrine and Operational Response

The QFRS is divided into seven geographic regions, with Regional Assistant Commissioners holding overall operational and financial responsibility for their region. *(Note that these geographic regions are not necessarily aligned to District Disaster Management Group boundaries).*

The QFRS employs both full-time and part-time (auxiliary) firefighters to staff its 243 urban fire and rescue stations. QFRS Rural Operations is the arm of the QFRS that provides services and support to the rural volunteer brigades. QFRS Rural Operations has offices throughout the state, and provide support to approximately 34 000 volunteers (making up approximately 1500 rural fire brigades) and around 2400 fire wardens. Rural Regional Offices are located in Brisbane, Beenleigh, Toowoomba, Maryborough, Rockhampton, Townsville and Cairns. The Regional Manager in each location is responsible for ensuring Rural Operations are co-coordinated and managed within the Region.

QFRS Organisational Structure is at Appendix 1, and QFRS regions are depicted at Appendix 2.

Operations Doctrine

Operational Response is one of the principal missions of the QFRS, as emergency incidents are inevitable. The approach, delivery and outcome of this response determine the impact on the people involved in the emergency and the recovery and rehabilitation of the community and environment affected. The QFRS Operations Doctrine is the operational resource that provides a consistent QFRS wide approach to incident response and management and is an essential part of QFRS operational service. Whilst the Operations Doctrine is authoritative in content, it requires judgment in application due to the incident variables encountered in the fire and rescue working environment.

AIIMS

The QFRS has adopted the Australasian Inter-Service Incident Management (AIIMS) as the most appropriate method to manage incidents. AIIMS is the nationally endorsed management system for fire services and has been adopted by a range of other emergency institutions. AIIMS is a robust system enabling a seamless integration of activities and resources of multiple agencies when they are applied to an emergency situation. The framework can evolve to suit the circumstances or event, regardless of the size of the incident or whether single or multiple agencies are involved.

Using the AIIMS model, there are some underlying principles including:

- One (1) Incident Controller;
- Management by objectives;
- A manageable span of control of resources is adopted; and
- Functions can be delegated.

Where the QFRS is not the lead agency for response, the QFRS Officer in Charge is identified as the QFRS Commander.

The frequency and complexity of multi-agency operations both within Queensland and across other jurisdictions, has increased in recent years. This has highlighted the need for a consistent, universally understood and applied system for managing incidents, which can expand as the incident itself grows and becomes more complex. AIIMS will operate effectively for any type of incident, imminent or actual, natural, industrial or civil. QFRS actively encourages other agencies to adopt and use AIIMS methodology to increase the ability of a whole of government response to major incidents.

ICP/ICC/ROCC/SOCC

During complex and protracted incidents under the QFRS Incident Management System, there is a clear reporting escalation from the incident ground up to the State Office.

Incident Control Point (ICP): The QFRS Incident Controller may operate from a field location (known as an ICP) or an established facility known as an Incident Control Centre (ICC). It is important that only one location is identified as the place from which QFRS resources are controlled. An ICP is a designated point close to an incident where QFRS response resources are initially mobilised to and an operational command and control capability of tactical actions is established.

Incident Control Centre (ICC): As an incident escalates in scale, intensity and projected duration and more sectors (geographical or functional) are required, the ability to appropriately manage the incident from an ICP may escalate to require an ICC. The ICC may take the form of a dedicated mobile control/command vehicle or a predetermined or improvised facility. A QFRS ICC is the location where the Incident Controller and appropriate members of the Incident Management Team provide overall direction of response activities. The location where incident control is performed (beyond the Incident Control Point) can be from a dedicated control/command vehicle, an improvised facility (supported by a dedicated control/command vehicle or an Incident Management Team cache) or a pre-determined ICC.

The functions of an ICC during activation include:

- providing overall incident management of large local incidents/events;
- maintain a strategic and tactical overview of resources across the incident;
- compiling and providing incident/event summaries in the form of Situation Reports to the Assistant Commissioner, Regional Manager Rural Operations, ROCC, Departmental media or others as appropriate;
- liaising and collaborating with other emergency services and agencies involved in or likely to become involved in an incident; and
- providing a QFRS Liaison Officer to the LDMG as required

Regional Operational Coordination Centres (ROCC) and State Operational Coordination Centres (SOCC): The ICC's report to a Regional Operational Coordination Centre (ROCC) that in turn reports to the State Operational Coordination Centre (SOCC) situated at Kedron.

State and Regional Coordination Centres provide:

- overall coordination of and support to large scale incidents/events, numerous incidents/events and/or deployments;
- coordination and provision of situation reports where and when required; and
- liaising with other emergency services and agencies.

Note: These centres are not in “control” of incidents. This is the function of the Incident Controller.

The functions of an ROCC during activation include:

- providing overall regional coordination of QFRS resources in the event of large incidents/events, intrastate deployments and/or simultaneous intra-regional incidents;
- providing support and advice to ICC/Incident Management Teams managing the incident at the regional level;
- monitoring and facilitating intra-regional communications and coordination;
- compiling and providing incident/event summaries in the form of Situation Reports to the Assistant Commissioner, Regional Manager Rural Operations, SOCC, Departmental media and others as appropriate;
- liaising and collaborating with other emergency services and agencies involved in or likely to become involved in an incident; and
- providing a QFRS Liaison Officer to the DDMG as required.

The functions of the SOCC during activation include:

- providing overall state coordination of QFRS, and other departmental resources during large incidents/events, interstate or overseas deployments and/or simultaneous multi-regional incidents;
- monitoring and facilitating inter-regional communications and coordination;
- compiling and providing incident/event summaries in the form of Situation Reports to the Commissioner’s and Minister’s office, Departmental media and others as appropriate; and
- liaising and collaborating with other emergency services and agencies involved in or likely to become involved in an incident.

State Fire Commander: During times of high activity, there is a need to maintain statewide (and regional) situational understanding so that all resources and functions are utilised in the most effective and efficient manner. During these periods, resources are often scarce with competing regional needs and, therefore, strategic decisions often need to be made based on risk, availability and timeliness. The State Fire Commander ensures that the strategic mission of the QFRS, that is to protect persons, property and the environment, is appropriately undertaken across the state. The State Fire Commander is delegated by the Commissioner QFRS and appointed by the Deputy Commissioner QFRS and is authorised and accountable to make strategic operational decisions on the Commissioner’s behalf.

The role and responsibilities of the State Fire Commander include the following:

- Must be strategically engaged, operationally focussed and maintain tactical awareness;
- Critically analyses the quality of information received through strategic analysis and technical sources for decision-making and undertaking command of assigned resources;
- Has a close working relationship with the State Coordinator (located in the SOCC) who provides information and options to the State Fire Commander for decision-making;
- Works closely with the State Coordinator (and the State Coordination Management Team) and the Regional Fire Commander to maintain situational understanding for decision-making and long-term planning and strategy execution;
- Primarily located in the SOCC, however, does not need to be permanently located in the

SOCC for the operational period.

Regional Fire Commander: The Regional Fire Commander provides leadership and strategic decision-making during times of critical emergency response and management activity within the Region through maintaining regional situational awareness and undertaking high-level decision-making and regional strategy execution. On the appointment of a Regional Fire Commander all Regional operations and resources (Urban and Rural) come under the direct command and control of the Regional Assistant Commissioner.

The role and responsibilities of the Regional Fire Commander includes the following:

- Has a clear line of delegated function and authorisation by the Commissioner QFRS;
- maintains a strategic focus on Regional operations;
- analyses the quality of information received through strategic analysis and technical sources for decision-making and undertaking command of assigned resources;
- has a close working relationship with the Regional Coordinator (located in the ROCC) who provides information and options to the Regional Fire Commander for decisionmaking;
- works closely with the Regional Coordinator (and the Regional Coordination Management Team) and the State Fire Commander to maintain situational understanding for decision-making and long-term planning and strategy execution;
- primarily located in the ROCC, however, does not need to be permanently located in the ROCC.

Operational Response

The QFRS has a structured incident management system that has stood the test of time through a diverse and complex history of incident responses. A summary of QFRS operations doctrine and incident management arrangements is at Appendix 6.

Operational Communications

Communications are essential for efficient QFRS operations. Every call for assistance is answered in one of the seven Fire Communication Centres (FireCom) throughout the state or through local alarms in rural areas. FireCom centres are equipped with CAD systems that record and assist operators in identifying the closest appliance and crew to achieve the fastest response. The ESCAD system provides dispatching of resources to any incident through a geo-coding display methodology. ESCAD enhances the previous FireCAD system as it dispatches resources through a capability and positional selection process which is automatically programmed into the response protocols. Crews in turn communicate with respective FireCom centres on arrival at a scene and provide updates with subsequent reporting messages. "Wordback" and situation reports for incidents logged through Firecom are available for each incident.

State Rescue Policy

The aim of the Department's State Rescue Policy is to detail the roles and responsibilities of Queensland Fire and Rescue Service (QFRS), Emergency Management Queensland (EMQ) and the Queensland Ambulance Service (QAS) in various emergency situations and guide the development of efficient and effective training and resourcing procedures to provide a high quality emergency response service in the State of Queensland.

This policy acknowledges that the Queensland Police Service is the responsible authority for coordinating Search and Rescue Operations as authorised in Appendix B of the National Search and Rescue Manual and Appendix C International Agreement on National Search and Rescue Response Arrangements. In Queensland, there are several organisations with either volunteer or paid, part-time or full time members who provide rescue assistance across a range of emergency situations.

The summary of primary response capability details the emergency service agencies which are responsible for responding to various types of rescue incidents.

'DCS-06'

Role of DCS in land use planning to mitigate the impacts of flooding

Introduction

The role of the Department of Community Safety (DCS) in land use planning is achieved through advice to the Department of Infrastructure and Planning (DIP) on aspects of State Planning Policy 1/03: *Mitigating the adverse impacts of flooding bushfires and landslides* (SPP 1/03) as delegated by the Minister for Infrastructure and Planning.

SPP 1/03 sets out the State's interests in ensuring that the natural hazards of flood, bushfire and landslide are adequately considered when making decisions about new development and community infrastructure under the framework provided by the *Sustainable Planning Act 2009* (SPA) and its precursor the *Integrated Planning Act 1997* (IPA).

Local governments also need to have regard to other State Planning Instruments (SPI) including Regional Plans, State Planning Regulatory Provisions (SPRP) and the Queensland Planning Provisions (QPP). These instruments are administered by DIP.

The Guideline to SPP 1/03 sets out the specific advisory roles performed by DCS on behalf of DIP:

- Review draft planning schemes to determine whether the SPP has been appropriately reflected thereby achieving the State's interest in respect of natural hazard management;
- Provide advice on interpreting and implementing the SPP and how local governments should integrate the SPP into planning schemes;
- In consultation with the Department of Environment and Resource Management (DERM) on flood and landslide hazards, provide advice about the appropriate level of hazard assessment to determine natural hazard management areas when preparing planning schemes;
- Provide advice on the appropriate agencies and officers to contact in relation to specific natural hazard management issues.

It is the responsibility of Local Government Assessment Managers to impose conditions on development approvals to minimize risk from natural hazards. Assessment Managers should not approve development applications that are unable to achieve the development outcomes of the SPP. DCS is not a referral agency.

Role of Local Government and State Government

Under SPP 1/03, local governments and State infrastructure providers must reflect SPP 1/03 by identifying natural hazard management areas (flood) and describing strategies and measures to protect people and property in planning schemes.

Local Governments must also have regard to SPP 1/03 during the assessment of development and community infrastructure. They are required to impose conditions on development

applications to minimise risks from natural hazards, and should not approve development applications that result in an unacceptable level of risk to people or property.

DCS provides advice to DIP on whether draft local government planning schemes appropriately reflect the SPP to achieve state's interests defined in the SPP.

DERM provides advice to DCS and local governments about floodplain management issues (and flood studies in particular), related storm tide inundation issues, protection of floodplain biodiversity and planning for climate change.

Since 2007, full responsibility for compliance of individual development applications with SPP 1/03 has been delegated to local governments. Since this time DCS has not provided formal appraisal of individual development applications. Between 2003 and an IPA amendment of 2007, DCS provided advice on certain development applications as a third-party advice agency if a referral was triggered for three or more concurrence agencies or other specific development conditions. Issues related to flood, bushfire or landslide could not trigger a referral in their own right.

The Urban Land Development Authority (ULDA) also makes planning decisions, comparable to those of Local Governments, in declared Urban Development Areas, such as Caloundra South, Greater Flagstone, Yarrabilba and Ripley Valley.

The Queensland Reconstruction Authority (QRA) will also make similar decisions for declared "reconstruction areas" and "reconstruction projects".

Although it is over seven years since SPP 1/03 came into force, some local government planning schemes are still not compliant with SPP 1/03.

Identifying flood prone areas

SPP 1/03 specifies that local government should regulate development outcomes within a defined Natural Hazard Management Area (NHMA) (flood). This NHMA (flood) should be determined by a Local Government by undertaking either a comprehensive flood study (as the preferred measure) or by using alternative means such as the interpretation of historical flood levels.

In both circumstances, the NHMA (flood) is defined by estimating a Defined Flood Event (DFE). The Queensland Government's position is that, generally, the appropriate DFE for residential development is the 1% Annual Exceedance Probability (1% AEP) flood, also known as a Q100 or 1 in 100 year flood line.

SPP 1/03 also recognizes that it may be also appropriate to adopt a different DFE depending on the circumstances of individual localities. It states that the determination of the DFE should be based on a rational appraisal of the impacts of a range of floods and the social and economic benefits of development.

The Guideline to SPP 1/03 requires aspects of community infrastructure to be located above Recommended Flood Levels (RFL) identified by flood hazard mapping, for example: water treatment plants – 0.5% AEP (Q200); electricity substations – 0.5% AEP (Q200); emergency shelters – 0.5% AEP (Q200); emergency services – 0.2% AEP (Q500); and hospitals – 0.2% AEP (Q500).

Review of SPP 1/03

Under SPA 2009, State Planning Instruments need to be reviewed every 10 years. As SPP 1/03 took effect on 1 September 2003, a replacement instrument needs to be in place before September 2013.

The review of SPP 1/03 was begun in November 2010 by inviting Queensland local governments, State Government Departments and key stakeholders to nominate issues that might be considered in the review.

The review will also consider recommendations arising from the Inland Flooding Study (IFS) report by the DERM and DIP in December 2010 on the approximate magnitude of climate change impacts on flooding. The IFS additionally proposed adoption of a flood mitigation approach that identified multiple hazard zones instead of a single hazard zone based on a DFE as with the existing SPP.

DERM has also initiated technical investigations arising from the IFS including: the likelihood of coincident flooding from riverine flooding and high tides, storm surges or sea level rise; broader applicability of IFS study conclusions; an inventory of flood studies already conducted; characteristics of a consistent and regionally appropriate methodology for undertaking flood studies (to include climate change); and the confidence interval for current flood studies.

Delegation of Statutory Powers (MinCor 08171-2010)

Delegation of Statutory Powers


Disaster Management Act 2003

Pursuant to section 143 (2) of the *Disaster Management Act 2003*, I, Kelvin Anderson, Acting Director General, Department of Community Safety, delegate to the Officer or Officers listed in Column 1, the powers in the sections of the Act listed in Column 2.

Column 1 Officer	Column 2 Powers
Assistant Director-General, Emergency Management Queensland	PART 2 – DISASTER MANAGEMENT GROUPS AND COMMITTEES Section 24 – Chief executive powers with respect to membership of district disaster management group Section 33(2) – Chief executive may nominate person for membership of local disaster management group Section 35 – Chairperson of local group to consult with chief executive about appointment of local disaster coordinator. Section 37 – Chief executive to be given written notice of the members of the local group.
Assistant Director-General, Emergency Management Queensland	PART 3 – DISASTER MANAGEMENT PLANS AND GUIDELINES <ul style="list-style-type: none"> Section 63 – Chief Executive may prepare Guidelines for Disaster Management Plans
Assistant Director-General, Emergency Management Queensland (Part 6) Regional Director, Emergency Management Queensland (Section 84 only)	PART 6 - STATE EMERGENCY SERVICE (SES) <ul style="list-style-type: none"> Section 84 – Chief Executive may appoint members of the SES Section 85 – Chief Executive may appoint Local Controllers Section 88A – Chief executive may enter into an agreement with a local government
Assistant Director-General, Emergency Management Queensland (Part 7) Commissioner, Queensland Fire and Rescue Service (Section 97 only)	PART 7 – EMERGENCY SERVICE UNITS (ESUs) <ul style="list-style-type: none"> Section 89 – Chief Executive may establish ESUs Section 90 – Chief Executive may decide on the Functions of an ESU Section 93 – Chief Executive may appoint members of ESUs Section 94 – Chief Executive may appoint an ESU Coordinator for ESUs

DCS-07

	<ul style="list-style-type: none"> • Section 97 – Chief Executive may appointment a Fire Coordinator for an ESU (See Fire and Rescue Service Act Section 19C)
Assistant Director-General, Emergency Management Queensland	<p>PART 8 – AUTHORISED RESCUE OFFICERS</p> <ul style="list-style-type: none"> • Section 100 – Chief Executive may appoint Authorised Rescue Officers • Section 105 – Chief Executive may accept the resignation of an Authorised Rescue Officer
Assistant Director-General, Emergency Management Queensland	<p>PART 10 – OFFENCE PROVISIONS</p> <ul style="list-style-type: none"> • Section 118 – Chief Executive may approve the use of the terms - State Emergency Service and Emergency Service Unit or the abbreviations SES, ESU and ES Unit.
Assistant Director-General, Emergency Management Queensland	<p>PART 13 – MISCELLANEOUS</p> <ul style="list-style-type: none"> • Section 137 – Chief Executive may make Codes of Practice for SES and ESUs • Section 146 – Chief Executive may make arrangements in relation to the identification of persons exercising powers under Sections 77, 78, 98, 111 or 112 under this Act. • Section 147 - Chief Executive may approve forms for use under this Act.


 Kelvin Anderson
 A/Director-General
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Queensland Fire and Rescue Service

Seasonal Planning & Preparedness Activities

Provide an overview of all regional planning and preparation activities, for example exercises, Local Action Plans, joint activities with other agencies, meetings with LDMGs and DDMGs, review of regional high risk areas, review of resources and staging, control and coordination centre preparedness, and countless other activities.

Timescale	Region	Planning and Preparation Activities
	State - SOCC	<ul style="list-style-type: none"> Conducted fortnightly video conferences 13th September to the December 2010 with all regional Assistant Commissioners/ Chief Superintendents and Regional Managers Rural Operations, Special Operations Unit and Air Operations Unit. These Video Conferences were to identify risk areas and resource allocations for the likely severe weather events. SOCC tested deployable assets and Coordination Centre capability and identified all personnel trained in the SOCC and their availability for future rostering. SOCC Manager liaised with the State Disaster Coordination Centre (SDCC) Manager and attended meetings and provided information on QFRS capability. Held meetings with key Corporate Services Division managers (ICT, Travel, and Finance) to ensure support in the event of SOCC activation.
	State - GIS	<ul style="list-style-type: none"> All of QFRS GIS Newsletter giving update on the TOM web based mapping system including correct web links and access to awareness guides. Delivery of FTP Portal for transfer of large datasets Continued improvement of TOM and ETOM web based mapping system Presentations to operational staff (e.g. 14th Dec 2010) in QFRS and EMQ in the capabilities of the TOM and ETOM web based mapping systems. Production of mapping products for local map caches across the State. Worked with Brisbane Region in sourcing flood GIS data and producing subsequent mapping for determining resource positioning during flood events. Tuning and constant improvements to spatial database, e.g. increase SDE connections, map services and caching (8 Oct 2010) for Storm Tide Inundation mapping. Participated in ECC/eIAP training (11 Oct 2010) to identify areas for future improved integration. Improved business understanding by GIS Unit. Hosted ADF 1st Topo Survey (20th Oct & 16th Dec 2010) for extending meeting and discussion around capabilities and activation protocols Acquired MBRC draft flood data (26th Oct 2010) Participate in MS Spotlight competition to help raise awareness of the capabilities of spatial information and technology in disaster mgmt.

'DCS-08'

Timescale	Region	Planning and Preparation Activities
		<ul style="list-style-type: none"> ▶ Attended Geoscience Australia (GA) pre season briefing (12th Nov 2010) and held private discussions with GA on satellite imagery access ▶ Met with DERM (15th Nov & 25th Nov 2010) to organise update of base map data and understanding of capabilities of each agency and communication protocols. ▶ Delivered presentation (22nd Nov 2010) to ERGON on Common Operating Picture (COP) concept for sharing of spatial information to support disaster activities. Follow-up teleconference held 16th Dec 2010. ▶ Met with imagery supplier Point Trading (26th Nov 2010) to discuss rapid imagery capture capability for disasters Inc experience with Black Saturday bushfires. ▶ EMSINA Meeting (1st & 2nd Dec 2010) to discuss National Spatial issues and initiatives e.g. standard symbology ▶ Update given to all GIS staff on Elevation and Storm Tide data in preparation for upcoming season. ▶ It should be noted that the preparation for the current Cyclone and Flood season has not been limited to the Oct – Dec 2010 period but has been an ongoing process over a number of years. The development of the web based mapping systems TOM and ETOM, the development of the A-TOM intelligence gathering tool, the development of the Rapid Damage Assessment system along with improvements in regional plotting (large format printing) are all part of the improvement and preparation process prior to any major disaster event. Improved spatial infrastructure, data management including a dedicated human resource to manage spatial data have been delivered in the past few years.
	State - Special Operations	<ul style="list-style-type: none"> ▶ 6 x LII Swift water Refresher workshops completed on the Tully – 2 days duration each – July/August 10 ▶ Involved in Swift water/Floodwater Preparation Seminar aimed at Brisbane personnel but open to all, November 10 ▶ Purchased and outfitted 2nd swift water trailer – for operations – June/August 10 ▶ Purchased and configured 4 x additional Swift water deployment kits complete with Class II IWP's – August/September 10 ▶ Core skills program over this period included LI Swift water refresher modules ▶ USAR caches were confirmed as ready and prepped – Brisbane and Townsville – September 10 ▶ USAR Deployment Exercise conducted of Heavy team and gear with ADF air assets – September 10 ▶ Flexible Habitat Capability – capability finalised and prepped – July/August 10 ▶ RDA capability enhancements – programming upgrades and maintenance schedule finalised – September/November 10 ▶ Briefed QFRS/EMQ/QPS Executive Officers on RDA – November 10 ▶ Communications upgrades – Radio Network – modified enhanced repeaters developed for use in disaster impact areas – placed in cache December 10 ▶ Communications upgrades – Flyaway Communications Kits developed and purchased – improved communications capability – coordination/reporting – September 10 ▶ Communications upgrades – Communications kits for Small teams developed and purchased – September 10
	Far Northern	<ul style="list-style-type: none"> ▶ The FNR regional Management team met on the 19th November 2010. Part of this meeting included discussion on the forthcoming wet season and cyclone predictions for 2010/11. ▶ EMQ Regional Director provided a full briefing to the RMT (on 19/11/10) on the forecasts for the coming wet season and EMQ preparations to date. Discussions were held on QFRS capability and QFRS preparations.

Timescale	Region	Planning and Preparation Activities
		<ul style="list-style-type: none"> ▶ Senior on Call roster was finalised. ▶ On call arrangements for Swift Water personnel were discussed for implementation on a needs basis dependent on the levels of hazards provided by the Bureau of Meteorology. ▶ Area Commanders attend all LDMG meetings as they are called ▶ Chief Superintendent and Superintendents attended DDMG meetings as they are called. ▶ A/C Held meetings with all Regional council Mayors/CEO's to outline QFRS capability and the assistance QFRS could provide to LDMG's during the wet season. ▶ A/C regularly met with EMQ Regional Director to ensure exchange of information and to be kept up to date on forecasts. ▶ RPCT discussed wet season activities at both the Nov 15th and Dec 13th meetings. ▶ ROCC was exercised on two occasions after moving to the new regional Headquarters. ▶ Emerald Creek Bushfire Exercise conducted 13/Sept including EIAP and ROCC activation. ▶ Electronic Command and Control training was conducted for all seniors on the 2nd/3rd and Sept 21st/22nd October 20110. ▶ Local Tabletop Exercise conducted in conjunction with ROCC on 18th Nov 2010. ▶ ICC's are regularly tested through exercises mentioned above. Major ICC's located in Cairns, Innisfail and Mareeba. ▶ Following all exercises debriefs are held and Lessons Learnt are identified and acted upon. ▶ Business continuity plans reviewed and adjusted as required leading to the wet season. ▶ Appropriate clean up of facilities undertaken in November 2010. ▶ LAP's reviewed for all high hazard locations swift water locations. I.e. Josephine Falls, Mossman Gorge, Barron River, Boulders. ▶ State Operations provided training for Regional staff (Uniform and Administrative) on ROCC/SOCC relationships and operations on two occasions (Insp Frank Stemm) ▶ Special operations appliance visited all Auxiliary stations during the last half of 2010 to discuss operations and capability of appliance and L2 teams. ▶ Exercise Poseidon was conducted with all state Govt agencies and local Govt on the 8th, 9th and 10th June. Exercise was based on a major flood inundation of Cairns and surrounding areas. ▶ L2 Technical Rescue staff continued to maintain skills in all areas of operations and to conduct exercises as part of their routine training.
	Northern	<ul style="list-style-type: none"> ▶ The Regional Management team met on Friday 10 Sept 2010 to and commenced planning and preparation for the upcoming wet and cyclone season. This planning included reviewing and analysing the regions identified high risk communities particularly in respect to SWR needs and building on our previous experience and exposures. ▶ Operational plan developed which benchmarks the deployment of 16 – 22 highly mobile SWR technicians, fully equipped with pre determined equipment, to identified vulnerable communities based on BOM forecast of weather and flooding assessments. ▶ Operational plan includes deployment to pre determined staging areas with vehicle and hand held communications capability, suitable operational procedures including command and control arrangements and the availability of ongoing support regarding logistical or other requirements. Local Action Plans for hot spots have been developed over a number of years by previous deployed and local crews and further plans developed from the most recent deployments ▶ Each Area and Zone Commander engaged with and participated in LDMG and DDMG meetings that involved disaster preparation

Timescale	Region	Planning and Preparation Activities
		<p>and planning. The LDMG and DDMG meetings occurred three weekly until late November then fortnightly throughout December.</p> <ul style="list-style-type: none"> ▶ Operations Support Command reviewed operational SWR response plans and FCDD's, together with unpacking, testing and replenishing the Northern Region USAR Cache. ▶ All station crews were refreshed in wet season response activities and SWR support activities through the Coastal and Western Command WIB (weekly information bulletin). Area Commanders provided an overview of the new disaster management arrangements and framework throughout December at all coastal identified high risk stations and discussed wet and cyclone season preparedness at station level. The Hinchinbrook Flood Warden Network met and tested and practiced its communications and procedures at Ingham in November. ▶ Identified Incident Control Centres (ICC) were assessed and works undertaken to rectify identified issues, all ICC's were tested and functioned appropriately. The identified ICC at Ingham Fire Station is regularly unusable due to access through water inundation; the business continuity plan enables the ICC to be established within the QAS station training facility. ▶ Meetings were conducted with Air Operations Call When Needed (CWN) aircraft operators to confirm availability and test air/ground communications. ▶ Identified Key personnel were refreshed in the establishment and operation of the Regional Operations Coordination Centre.
	Central	<ul style="list-style-type: none"> ▶ Standing Order, dated 30 October 2010, developed confirming QFRS core members, by position, on Central Region Local and District Disaster Management Groups, Standing Order identifies core members, deputies for the core member and Liaison Officers for Local Disaster Centres. ▶ Regional staff and core members, both rural and urban, attended Local Disaster Management Group and District Disaster Management Group meetings and participated in exercises within the Local Disaster Coordination Centre and familiarisation of Guardian program. These were conducted in Biloela, Emerald, Mackay, Gladstone and Rockhampton. ▶ Region maintained full complement of swift water and air operation crew numbers with re accreditation and competencies maintained with regular exercises, refresher training and meetings. ▶ During a review of 2009 Bushfire season inadequacies were identified in the Rockhampton ROCC relating to network and phone access. In preparation for the 2010/11 disaster events work was progressed to improve communications. ▶ Regional coast areas initiated general cyclone procedures which include storage of extra fuels, testing of generators and tested all equipment associated with ICC's and reviewed Station Business Continuity and Disaster Plans. ▶ Late 2010 Heads of agencies including QFRS Assistant Commissioner and Chief Superintendent, QPS, QAS EMQ held meetings to discuss the upcoming cyclone and flood season. ▶ Regional staff attended a seminar conducted by Queensland Police on the implementation of the District Disaster Management Group and their legislation.
	North Coast	<ul style="list-style-type: none"> ▶ 12/08/10 Acting Area Commander Maryborough attended LDMG at the North Burnett Regional Council ▶ 09/09/10 Zone Commander Phil Whittaker and Area Commander Craig Lovell participated in the LDMG exercise Cyclone Harry Evacuation with the Fraser Coast Regional ▶ Gympie Local Disaster Management Meeting conducted at Gympie Police Station on 23 September attended by QFRS LDMG representative Graham Alder

Timescale	Region	Planning and Preparation Activities
		<ul style="list-style-type: none"> ▶ Tropical Cyclone Co-ordination Centre Meeting conducted at the Gympie Civic Centre on 25 October 2010 and presentations by the Bureau of Meteorology predict the development of 6 or 7 cyclones with a potential impact upon Queensland during the current season attended by Area Commander Lloyd Johnston ▶ Sunshine Coast DDMG & LDMG "Exercise Spring Cyclone", 2 Day Exercise - 4th and 5th November – attended by Area Commander Kevin Devitt. Exercise designed to test emergency response procedures for a Category 2 Cyclone impacting the Sunshine Coast ▶ 11/11/10 Acting Area Commander attended the LDMG at the North Burnett Regional Council ▶ All North Coast Senior Officers met with the Regional Director EMQ Peter Twomey in Gympie on the 16/11/10 to discuss current roles and responsibilities under the Disaster Management arrangements and changes to legislation ▶ NCR Technical Rescue Workshops conducted – heavy emphasis on swift water rescue and swift water competencies – 2 x 2 day workshops held at Maroochydore on the 15th and 16th Nov and at Maryborough on the 1st and 2nd Nov ▶ Sunshine Coast DDMG Meeting 9th December attended by Zone Commander John Gallina – preparedness for storm and cyclone season ▶ Sunshine Coast LDMG Meeting 9th December attended by Area Commander Kevin Devitt – preparedness for storm and cyclone season ▶ 9/12/10 Zone Commander Phil Whittaker and Area Commander Craig Lovell attended DDMG and LDMG meetings with the Maryborough Fraser Coast Regional Council ▶ 9/12/10 Area Commander Terry Newman from Bundaberg attended LDMG and DDMG in Bundaberg ▶ 20/12/10 ROCC placed on watching brief. Decision to forward deploy swift water teams into Bundaberg due to predicted flooding. ▶ 21/12/10 NCR Management Team advised of potential weather event. ▶ 22/12/10 Zone Commander Phil Whittaker attended the North Burnett Regional Council LDMG re Gayndah Flooding and offered assistance where required. ▶ Brisbane USAR/Swift Water/Rapid Damage Assessment teams deployed to Bundaberg on the 22nd to assist with predicted flooding events ▶ Assistance provided to Sunshine Coast and Gympie District LDMG's during flooding events between 22nd Dec and Jan 2011 by various Area Commanders.
	Brisbane	<ul style="list-style-type: none"> ▶ Commissioners Briefings – Tandberg – 27/10/10 Seasonal outlook briefing from the Commissioner on the likelihood of severe weather events across the State. ▶ Assistant Commissioners – Regional Planning & Coordination Team meeting – held 2/11/10, 25/11/10 this provides for detailed planning and coordination to enhance DCS divisional interoperability. ▶ Assistant Commissioners – Presentation to parliament 17/11/10, this provided an overview of the capability and preparedness of the QFRS to responding from an all hazards approach to incidents/disasters or events within the Brisbane Region. ▶ Assistant Commissioners – QFRS/QAS/EMQ capability presentations to the Brisbane/Moreton Bay DDMG's & Brisbane/Moreton Bay & Redlands LDMG's over various dates. This activity saw a series of presentations explaining the resources available to local councils from all divisions in an all hazards approach context. ▶ Assistant Commissioner – Introductory meeting with the incoming Brisbane DDC AC Peter Martin, 7/12/10, this was to develop

Timescale	Region	Planning and Preparation Activities
		<p>this key relationship with the DDC to enhance the District Disaster Arrangements for both the Fire Season and State Disasters within the Brisbane Region.</p> <ul style="list-style-type: none"> ▶ Assistant Commissioner - Review of Caucus (full presentations) 22/11/10 – Scheduled to be delivered but cancelled. ▶ Assistant Commissioner – Report to SEM on Brisbane planning and preparation for the upcoming storm season. ▶ Assistant Commissioner/Director of Operations – An audit of all Brisbane Employment Location ERV's was conducted to enhance regional command and control capability. ▶ Director of Operations – All Brisbane Employment Location Senior Officers were audited on eIAP and ECC to ensure operational readiness for the fire and storm season. ▶ Director of Operations – 6/10/10, A problem was identified with our regional communications plan and works were undertaken to ensure a robust radio communications systems was available for the fire and storm season. ▶ Director of Operations - 501 Tango meeting 14/10/10, all operatives briefed and informed on Tango improvements. ▶ Director of Operations - ROCC & ICC activation program – 6/12/10, a planned program to test the operability and preparedness of our standing resources. ▶ Director of Operations - Area Commanders Meetings – 21/10/10, 16/12/10 provides briefing and updates to all Commanders to ensure a unified approach to QFRS response within Brisbane Region. ▶ Director of Operations – DMO meeting 12/11/10, authorised the call back of additional swift water personnel to man Yankee's both north and south of Brisbane based on BOM warnings, included early notification of community via EMQ. ▶ Director of Operations – Authorised the development of Brisbane Emergency Response Teams (BERT's) – Various dates, 6 BERT's these were formed to provide a rapid response to support incident management within ICC's, ROCC's, intrastate and interstate deployment. ▶ Director of Operations – Tech Rescue/Swift Water Preparations – 3 Yankee vehicles were converted from fire response to swift water response and equipped with inflatable platforms in preparation for flash flooding events across Brisbane ▶ Swift Water Rescue Forum – QCESA Auditorium 16/11/10, due to the likelihood of a wet summer, a forum to discuss swift water response was held. ▶ Senior Officer Meeting – Warilda 18/11/10 a comprehensive review of Brisbane's capabilities and preparedness, presented to the Assistant Commissioner. ▶ Professional Development – A continuous program of training and education including all operational equipment, systems and processes and command and control capability is delivered. ▶ Superintendent South East Command conducted Station officers meetings on the 8 / 11/ 10 Capalaba station, 10 /11/ 10 Cleveland Station, 12/11/10 Redland Bay station , 19/11/10 at Wynnum. Overview of predicated storm and cyclone season. ▶ Superintendent South East Command conducted shift meetings on 2/11/10 at Redland Bay and Wynnum with D shift, 16/11/10 at Redland Bay and Wynnum with C shift crews. 30 /11/10 shift meetings involving Cleveland and Redland bay, Wynnum and Capalaba stations on operational preparedness. ▶ Auxilliary meetings 30/11/10 on North Stradbroke Island re storm season preparedness. ▶ Northern Command A/D – Area Commanders meeting to respond to briefings updates following the "Unified" approach to the QFRS management of the Brisbane Region. ▶ Northern Command A/D – Auxiliary Captains and Lieutenants evening Meeting to discuss future planning of activities, fire and

Timescale	Region	Planning and Preparation Activities
		<p>storm season preparedness.</p> <ul style="list-style-type: none"> ▶ Northern Command A/D – Attended LDMG Meeting with Moreton Bay Regional Council to participate in information sharing future planning. ▶ Northern Command A/D – attended training exercise with Moreton Bay Regional Council. A small Tsunami exercise due to hit Bribie Island was used to test the “Operational Preparedness” of the LDMG ▶ Area Director (North West Command) attended Redcliffe DDMG Exercise on 18 August 2010.
	South Eastern	<ul style="list-style-type: none"> ▶ Commissioner Briefings – Tandberg – These briefings commenced in July 2010 - 27/10/10 Seasonal outlook briefing from the Commissioner on the likelihood of severe weather events across the State ▶ Assistant Commissioner – October 2010 tasked Duty Manager Regional Operations with planning activities for the storm season as SER Technical Rescue Coordinator and direct report to the Director Regional Operations; ▶ Duty Manager Operations - Ensured that staffing for the South Eastern Region ROCC was sustainable. ▶ Duty Manager Operations - Pre season the DMO attended Gold Coast City Council LDMG and DDMG meetings to ensure that operational readiness would meet the risks identified. The DMO in these meetings reviewed flood projections and modelling maps and assisted in providing a range of information about QFRS response capability. ▶ Duty Manager Operations - Reviewed the Business Continuity Plans for QFRS facilities in the affected areas and liaised with staff to reinforce the plans. ▶ Duty Manager Operations – October/November/December 2010 – Prior to and during adverse weather periods, monitor the BOM site radar and associated weather warnings and review the number of Swift Water Rescue and Technical Rescue staff and their strategic location. As required, these numbers were boosted from off duty staff in accordance with a dynamic risk assessment of the potential hazards associated with the conditions. Additionally special rescue resources and spare appliances were checked and ensured they were immediately available for deployment. ▶ Assistant Commissioner – 6/10/10 called Expression of Interest for the position of Regional Technical Rescue Coordinator; ▶ Regional Technical Rescue Coordinator – October 2010 – Review Regional Swift Water Plan and Regional Cache; Alignment of Swift Water Plan to DMO Manual; October/November 2010 – Swift Water Rescue equipment purchases including new boats; Ongoing Swift Water Rescue L2 Technicians training at Wet and Wild; Mapping on the Region's Tech Rescue (inc SWR) incidents and frequency for whole of Region (completed November 2010); Review of LAPS (October/November/December 2010); ▶ Regional Director Operations – November 2010 - Establishment of centralised cache of technical rescue equipment - swift water rescue cache established at SER Regional Operational Precinct - Beenleigh. ▶ Regional Training Officers - assigned to 'Light attack 4 x 4 vehicles' to increase regional operational response capabilities. ▶ Regional Director Operations – October/November/December 2010 - RIMT refresher training sessions – ongoing activity; 5/11/10 - RIMT IT Training for Western Command Staff after exercises at Ripley and Ipswich Fire Stations to set up Incident Control Centres (ICC); ▶ Regional Director Operations - 9/10/11 November 2010 Training of SER personnel in ECC/EIAP; ▶ Director Regional Operations - SER Major Events Planning participated in joint / multi Agency (QPS, QAS, LDMG, DDMG, External Stakeholders) operational Table Top exercises in preparation for 'Gold Coast 600 Motor Racing Event' and 'Schoolies 2010'. ▶ Area Directors – 7/10/10,10/11/10, 18/11/10,24/11/10,10/12/10 - Engaging with LDMG/DDMG's on disaster management

Timescale	Region	Planning and Preparation Activities
		<p>strategies including Tsunami impact and flood management issues;</p> <ul style="list-style-type: none"> ▶ Regional Manager Rural Operations - Presentations to Gold Coast LDMG's 10/10/10 on SER structure and operations capacity to support LDMG; ▶ ROCC/DDMG Major Exercise - 14/10/10 ROCC refresher training scenario; 26/10/10 Debriefing of scenario conducted; ▶ Exercise Devils Twist – 24-25/11/10, Weather themed exercise managed by DDMG Gold Coast, QFRS component in relation to swift water planning and application; ▶ Area Director, Central Command – Media Interviews 19/10/10,16/11/10,21/12/10 - Emergency services and flood waters - Don't enter flooded creeks, rivers and causeways, Know your limits, think safe; ▶ Area Director, Central Command - 21/10/10 - Attended "Demographic and Residential Development Forum" on Gold Coast - discussed the urban sprawl / housing prices / infill / impact of natural events (flooding) ▶ Area Director Central Command – 13/10/10 attended Qld Tropical Cyclone pre season workshop ▶ Area Director Central West Command (Ipswich). Early identification of an imminent wet season dictated an increased awareness for all operational staff for aquatic rescue and preparedness. Heavy rainfall prior to December gave an indication of things to come; Colleges Crossing was cut for a number of days and highlighted the weather predictions. During this time swift water LAPS were updated to ensure plans were current. All staff were asked to undertake refresher training in swift water rescues with additional training provided to auxiliary staff within both CWC and WC. An Inflatable Work Platform (IWP) was placed on the CR (645M) for the duration of the wet season. ▶ Area Director, Western Command - 5/12/10 attended meeting at Council Offices to discuss a draft set of strategies and management intent to achieve the preparation/planning strategies for Lockyer Valley Regional Council. ▶ Community Education Activities - October/November/December 2010 - Organised with the Department of Main Roads, a series of predetermined electronic messages to be displayed on major road's electronic signs. These messages advise motorists to stay out of water across roadways. This assisted in limiting the potential number of emergency incidents and therefore the requirement for Swift Water Rescue Interventions. ▶ Community Education Activities - Mates for Life Program – November 2010 - Technical Rescue Coordinator presented programs on the dangers of entering flooded causeways, playing near drains to school children across the Gold Coast Region; ▶ Community Education Activities – November 2010 – ongoing; Media alliance with Local Government promoting swift water safety message "If it's flooded, forget it".
	South Western	<ul style="list-style-type: none"> ▶ SWR Regional Management Meetings (note: always include Rural Senior Management) were held on the following dates; 3 & 4 August 2010; 5 October 2010 (video conference); 16 & 17 November 2010. At the meetings Wild Fire Season and potentially flood events were discussed also the feasibility of SWR Regional Functional Plans 2010-2011 "Wild Fires" was always considered and reinforced at the meetings. NOTE: SWR engaged the flexibility of this plan in late February, March 2010 with major flooding events at Charleville, Roma, Cunnamulla, St George and Dirranbandi. QFRS was involved in DDMG, LGMG, Swift Water Response, Washouts, Co-ordination of Air Bases, Incident Control Centres and Regional Co-ordination Centre activation for that event. SWR's regions Wild Fire Season preparation commences in July of each year and therefore our approach to the flexibility of our Functional Plan also commenced at this time. Chief Superintendent Hackett and Superintendent Waltisbuhl conducted joint Urban/Rural Officer meetings for all staff to attend. The following meetings were held at:

Timescale	Region	Planning and Preparation Activities
		<p> Stanthorpe 12 July 2010 Inglewood & Warwick 13 July 2010 Pittsworth 15 July 2010 Millmerran 19 July 2010 Dalby & Chinchilla 21 July 2010 Roma 22 July 2010 Crows Nest 2 August 2010 </p> <p> ▶ The Wildfire pre season workshop was conducted on the 29 July 2010 (State Officers attended) ▶ The Regional Air Operations Brief was conducted 6 August 2010 (State Officers attended) ▶ Incident Control Centres were exercised and tested at;</p> <p> Millmerran 19 July 2010 Tara 22 July 2010 Crows Nest 23 July 2010 Highfields 7 August 2010 </p> <p> ▶ The ROCC for SWR was fully upgraded in April to June of 2010. Not only upgraded through technical improvement in the area of data collection and display but configuration as well. The duty and operational procedures document for the ROCC was also updated. The ROCC was fully operated and tested when the previously mentioned ICC were tested and exercised in July 2010</p> <p> ▶ Senior Management Urban and Rural attended the following DDMG meetings;</p> <p> Toowoomba 6 May 2010 Dalby 9 June 2010 (17 Nov postponed due to District Officer changeover) Charleville 3 August 2010 Roma 4 August 2010 Toowoomba 25 November 2010 Warwick 1 December 2010 Charleville 25 November 2010 Roma 21 December 2010 </p> <p> ▶ Senior Management Urban and Rural attended the following LDMG meetings;</p> <p> Roma 4 August 2010 Dalby 7 October 2010 (plus "Exercise Orko" early Nov) </p>

Timescale	Region	Planning and Preparation Activities
		<p>Toowoomba 11 November 2010 Roma 1 December 2010 Roma 6 December 2010 Quilpie 10 December 2010 LECC – Tara in July/August</p> <ul style="list-style-type: none"> ▶ Regional Planning and Co-ordination Team (QAS, QFRS, EMQ, Correctional Services SWR) meet on the 6 October 2010 and discussions were held regarding pending bush fire season and consideration was given to the possibility of further flooding as was experienced in March of 2010 in western Queensland. QFRS reinforced its position regarding its “Wild Fire Plan” and its adaptability to an all hazard/incident approach. ▶ Regional Executive Meetings, include the Chief Superintendent Rural Operations, Director of Regional Business and the Assistant Commissioner were held on the 12 October 2010 and 7 December 2010 to review operational processes for an all incident approach to provide change in weather conditions. ▶ Communications Capability meetings were conducted on the 19 October 2010 and 16 November 2010 to confirm all Regional Communication was in full readiness. Attending was Rural Operations, EMQ, Radio Technicians, QFRS Managers of Regional Communications ▶ The Commissioners Seasonal Planning Outlook brief was held on the 27 October 2010 at the SWR’s ROCC and was attended by a combination of Rural and Urban Senior Officers, again both Wild Fire and Flood events were discussed. ▶ Note (the Dirranbandi pre season training exercise for Wild Fires (live burn) was cancelled due to heavy rain. ▶ Rural Group meetings for the Western Downs area of Dalby, Chinchilla, Tara on the 20 October 2010 received wild fire preparations and commenced discussing flood considerations. ▶ Fire Wardens Workshop was conducted at Roma 22 November 2010. Flood issues was well discussed and a 100% support for Fire Wardens to play an active role during floods was given. ▶ Letters to all Rural Brigades regarding information for driving appliances through flood water was issued on the 2 December 2010. ▶ On the 20 December 2010 a further review of SWR’s Technical Rescue capability and capacity regarding possible weather events was conducted and adjustments implemented. Adjustments included; <ul style="list-style-type: none"> All Technical Rescue Calls to be responded as per ESCAD The Chief Superintendent to be advised 7/24 of all Technical Rescue calls immediately The Chief Superintendent to immediately discuss all Technical Rescue calls with the “on call Technical Rescue Co-ordinator” (as of the 20/12/2010 till further notice, pagers, phone ERV provided, officers to day work) Establish a Yankee support vehicle at Warwick and Toowoomba (this would give SWR access to 3 Swift Water Rescue capable vehicles (includes TR)) Review Swift Water Rescue Equipment levels Additional gear was purchased and acquired from Cannon Hill Special Operations. All necessary arrangements were in place by the 23 December 2010. ▶ Operational consideration to access additional auxiliary staff was also put in place by the Chief Superintendent.

Timescale	Region	Planning and Preparation Activities
		<ul style="list-style-type: none"> ▶ Auxiliary staff level 1 training for Swift Water was completed in Warwick by the end of November 2010 and all permanent staff in Toowoomba Command were qualified at Level 1 Swift Water Rescue. ▶ The staffing levels on the Technical Rescue appliances from the 20 December 2010 to early January 2011 were maintained by over time to maximise Technical Rescue capacity. ▶ Regarding Level 1 Technical Rescue Training for auxiliary staff within SWR, a full review into completing training was commenced on the 7 June 2010. This activity was an issue that developed as a result of Western Queensland floods of March 2010. The auxiliary staff in the following locations should be trained to Level 1 requirements; Warwick, Dalby, St George, Goondiwindi, Roma and Charleville. To date only Warwick has been achieved ▶ Issues that have hindered further progress of this training have been costs to deliver such training, the need to introduce and implement OHMS projects and programs and of course the event weather events. Costs to deliver this Technical Rescue training remains a major issue for SWR. ▶ Fortunately equipment required to establish Level 1 trained staff is not expensive as the training. Therefore Warwick was trained and are fully equipped. Additional equipment was also purchased and was deployed during the recent event. ▶ A meeting with the new Assistant Commissioner Queensland Police Service was held on the 23 December 2010. Attending this meeting was Assistant Commissioner Queensland Fire and Rescue Service, Chief Superintendent Queensland Fire and Rescue Service and Chief Superintendent Queensland Police Service. The current operational readiness of the QFRS, the new arrangement under the Disaster Management Act were discussed as well as then the current and potential impacts of flooding in western parts of the regional was discussed.

'DCS-09'

QAS Chronology

12 October 2010

The Queensland State Disaster Management Group is briefed by the Bureau of Meteorology on predicted higher than normal severe weather activity during the coming summer.

25 October 2010

Anna Bligh MP, Premier of Queensland writes to Director-General Jim McGowan regarding weather conditions for Queensland's coming summer.

Following this notification, the QAS Special Operations and Mass Casualty Planning Unit (SOMCP) completes annual pre-season cyclone checks, vehicle maintenance and replenishment of caches and containers.

29 October 2010

Executive Briefing Note prepared by QAS Special Operations and Mass Casualty Planning (SOMCP) Unit to the Commissioner outlining steps taken by that Unit in response to the predicted weather forecast for summer.

2 – 4 November 2010

QAS officers from South Western Region participated in Exercise Orca during the period 2 – 4 November 2010. Exercise Orca was run by Emergency Management Queensland in the South Western Region and was a multi agency flood related exercise.

3 December 2010

First SITREP recorded by SOMCP in relation to flooding in Central Region, specifically the Sapphire and Emerald areas.

20 December 2010

Heavy rainfall occurred across central and South West Queensland. Normal QAS operations throughout Central and South West Queensland have been affected by local flooding. Access to outlying properties often requires 4WD response. No negative impact to patients has been reported however response times have increased due to poor road conditions and localised flooding.

21-26 December 2010

Localised flooding in the Ingham Area of North Queensland cut the Bruce Highway necessitating the aerial transfer of patients. Heavy rain associated with tropical cyclone Tasha

causing localised flooding. Although this reduces response times, no detriment to patient care has been reported. Paramedics from Townsville are supporting operations in the Ingham area.

27 December 2010

Central Region is reporting townships isolated including Baralaba, Theodore and Agnes Water. Smaller communities west of Moura are also impacted. Local QAS resources assisting where possible with evacuations and continuing to provide ambulance coverage to local communities using 4WD vehicles and where necessary using EMQ flood boats to transfer patients. QAS responding to incidents in support of QFRS swift water rescue. Weather impacting on service delivery with aero-medical evacuations unable to be facilitated due to adverse weather and road transfers facilitated with EMQ assistance.

QAS was called upon to assist in the evacuation of patients from private residences in the Jericho area who are dependent on portable oxygen supplies. These patients are being accommodated at the Jericho hospital.

Northern Region QAS are effecting inter-hospital patient transfers out of Ingham utilising 4WD ambulances.

North Coast Region reports widespread localised flooding impacting upon response times with no adverse patient outcomes.

South West Region reports instances of flash flooding and numerous road closures. QAS busy providing support to rescue operations. Some difficulty in accessing patients in outlying areas, with assistance being provided by local SES units. One instance involved the provision of a truck and driver to access patient cut off by flood waters 20km from Tara. Generally heavy workloads in some areas have resulted in increased use of overtime.

28 December 2010

QAS establishes its presence and a base for the coordination of state-wide operations in the State Operations Coordination Centre.

Central Region reports that the following communities are isolated due to flooding - Biloela, Theodore, Agnes Water, Jericho, Wowan, Moura and Baralaba. QAS continues to provide coverage within these isolated communities including utilising a Barcaldine officer to assist in providing coverage in Jericho. QAS have facilitated the evacuation of patients from Theodore hospital to the airport evacuation centre.

North Coast Region reports significant flooding throughout region, impacting particularly on the North and South Burnett areas. This flooding has resulted in access to regional hospitals being restricted. The need to transport to alternative facilities has resulted in significantly increased response and transport times.

Staffing has been supplemented utilising off duty officers on overtime to assist in maintaining emergency coverage. No reports of detrimental impact on patients affected. Where delays in responding have occurred QAS has maintained regular telephone contact with the patient and provided first aid advice and regular updates on expected arrival times.

South West Region reports major highway cuts still exist for Warrego, New England, Gore, Leichhardt, Carnarvon, Castlereagh and Balonne. Warrego Highway is cut in multiple places. Toowoomba has no access to Brisbane or Oakey. Over 260 persons were evacuated in Warwick to Slade Complex, Warwick Indoor Recreation and Aquatic Centre and Scott's College. Further evacuations occurred across the region including Leslie Dam, Lockyer Valley, Dalby and Chinchilla. Some minor evacuations also occurred in other communities including Roma, Tara, Taroom and Meandarra. QAS involved in assisting with all evacuations providing ground transport for all non ambulatory patients.

29 December 2010

Central Region reports evacuations underway in Theodore. QAS staff assisting with evacuation with the Officer in Charge on the last aircraft to leave. QAS is staffing a temporary medical centre in part of Emerald township isolated by floodwater in conjunction with QHealth. QAS has located a Manager in Emerald for Command and Control. Vehicles and paramedics have been strategically placed in three sectors of the town.

Flooding expected at Gracemere and Rockhampton with regional management initiating plans to pre position staff and equipment to continue to provide a response to both communities.

QAS flight Paramedics from Cairns redeployed to Rockhampton with EMQ aircraft.

South Western Region reports that flooding still continues in Dalby district with approximately 130 persons evacuated to two shelters in Dalby and another 40 persons from Chinchilla and Warra. QAS is assisting in the evacuations.

30 December 2010

Central Region reports that Emerald has evacuated 200 people to the evacuation centres. QAS has assisted where and when required. Preparations have been made to provide relief QAS crews into Woorabinda, Agnes Water and Baralaba which remain isolated.

North Coast Region reports that Bundaberg is significantly flood affected with North Bundaberg isolated. QAS has an Emergency Station set up at the botanical gardens in North Bundaberg to provide medical support to the 6000 residents in that area.

31 December 2010

Central Region reports evacuations still underway in many regional centres. Major centres of activity are Emerald, Rockhampton, Moura, and Theodore. Heavy local QAS involvement assisting in the evacuation of non ambulatory or limited mobility persons and those dependent on portable oxygen or electrically driven oxygen generators. Patients are being evacuated from Emerald Hospital with QAS assistance.

Rockhampton Airport is under threat from rising water and may not be able to land fixed wing aircraft from this weekend. Gladstone has been identified as a staging area to transfer incoming patients from Rockhampton to Gladstone by helicopter and further transfer of patients to Brisbane.

QAS has deployed to Gladstone airport an air conditioned Tactical Medical Centre for 25 patients, including three ICU beds and a Medical Cache and four Paramedics from Brisbane.

These personnel are supported by QHealth personnel. Paramedics will be relieved on a rotational basis by additional Paramedics from Brisbane.

North Coast Region is providing additional flight paramedics to staff helicopters allocated to Bundaberg.

South West Region is utilising commercial aircraft to transport relief paramedics to Roma. Further relief staff sent to St George and Dirranbandi. QAS assisted in evacuating 100 persons from Condamine. A further 50 evacuations occurred in the Western Downs around Moonie and other small townships. QAS assisted where required.

1 January 2011-01-25

South West Region QAS staff are working with QHealth and Community nursing to identify medically vulnerable people in the St George community and appropriately prepare for the impending flood peaks.

Central Region reports flood waters receding in Emerald, however continuing to rise in Rockhampton with Gracemere now separated from Rockhampton. The pre positioned QAS staff and vehicles at Gracemere are fully operational.

North Coast Region report flood levels in Bundaberg now receding.

2 January 2011

Severe flooding to Central & SW Queensland, with flood levels that exceed many existing 50 year flood records. Major centres of activity are Emerald, Rockhampton, Moura, Theodore, Gladstone, Chinchilla, Condamine and Dalby with QAS support being provided to local authorities to assist in evacuations as required.

South West Region reports that preparations are underway to evacuate the Nursing Home in St George using QAS and aero medical resources. Other preparations in St George include the deployment of a fully equipped QAS 25 bed Tactical Medical Centre (TMC) with three Paramedics to assist local QHealth staff and operate the facility.

Central Region reports that southern access to Rockhampton now fully blocked by floodwater and airport closed to commercial traffic. Prepositioned staff and equipment at Gracemere are ensuring that emergency coverage is maintained.

Flood boats operated by SES are available 24 hrs for patient transfer if required. Four Paramedics from Northern Region have been deployed to Emerald to provide relief to local staff.

North Coast Region reports that floodwaters have receded. Some roads still closed however no reports of responses being delayed. Urban Search and Rescue (USAR) trained paramedics seconded to work with QFRS in Bundaberg recovery operations.

3 January 2011

Severe flooding in Central & SW Queensland, with flood levels that exceed many existing 50 year flood records. Focus is shifting to include not only centres enduring significant inundation,

but also those centres in the path of flood waters now travelling down various river systems. Major centres of activity are still Emerald, Rockhampton, Moura, Theodore, Gladstone, Chinchilla, Condamine and Dalby.

North Coast Region reports floodwater continuing to recede, however numerous minor roads still closed in the North and South Burnett and Sunshine Coast hinterland. These closures are affecting response times but no adverse events relating to delayed responses have been reported.

South West Region reports that recovery operations are commencing in Condamine. QAS has provided a Paramedic to remain on location and provide medical support during the clean up. The TMC has been set up in St George with possible closure of local hospital due to flooding. QAS is assisting with the transfer of patients from local nursing home to airport for evacuation. QAS is also providing transport from

Brisbane airport to the receiving facilities. Relief paramedic sent to Dirranbandi to mitigate staff fatigue.

Central Region reports TMC in Gladstone functioning well as transit / staging area for aeromedical evacuations from Rockhampton requiring onward transport by RFDS.

Ongoing cleanup operations at Emerald with relief staff in place. Rockhampton remains isolated from the south.

4 January 2011

Severe Flooding continues in Central & SW Queensland, with flood levels that exceed many existing 50 year flood records. Focus is shifting to include not only centres enduring significant inundation, but also those centres in the path of flood waters now travelling down various river systems. Major centres of existing activity are Emerald, Rockhampton, Moura, Theodore, Gladstone, Chinchilla, Condamine and Dalby.

Central Region report that Rockhampton is still isolated by road from the south and the airport is closed. Gracemere remains isolated. QAS staff are maintaining 24 hour coverage for both locations. Staff are being rotated utilising SES flood boats.

South West Region reports that flood preparations continue in St George with evacuations continuing.

5 January 2011

Severe Flooding continues in Central & SW Queensland, with flood levels that exceed many existing 50 year flood records. Focus is shifting to include not only centres enduring significant inundation, but also those centres in the path of flood waters now travelling down various river systems. Major centres of existing activity are Emerald, Rockhampton, Moura, Theodore, Gladstone, Chinchilla, Condamine and Dalby. Recovery phase has now commenced for many centres.

Central Region reports ongoing flood related access problems in Rockhampton/Gracemere, however no detriment to patients has been reported. Emerald Ambulance Station has experienced significant flood damage. QAS is working with QBuild to make the station

habitable. Emerald Station staff are currently working from alternative sites. Gladstone TMC continuing to operate.

South West Region reports operations continuing. TMC in St George functioning well. St George evacuations completed today.

6 January 2011

QAS continues to support widespread flooding in Central and South West Queensland. Major centres of existing activity are Rockhampton, Moura, Theodore, Gladstone, Condamine and Dalby. Recovery phase has now commenced for many centres.

Central Region reports that change over in staffing of TMC taking place, replacement team of four Paramedics from Brisbane to relieve existing staff. Paramedics currently providing relief to Emerald will returned to Townsville. All Emerald staff back on roster following rest period.

South West Region reports that changeover of relief staff to support cleanup operations in Condamine has now been completed.

7 January 2011

QAS continues to support widespread flooding in Central and South West Queensland. Major centres of existing activity are Rockhampton, Moura, Theodore, Gladstone, Condamine and Dalby. Recovery phase has now commenced for many centres.

Central Region reports that in Theodore residents are returning following the evacuation and that the QAS has resumed operations in the town. The paramedic has established operations at the local RSL hall until QAS ambulance station is habitable. Water supply continues to be problematic.

North Coast Region reports that heavy rainfall causing localised flooding is impacting on response times. Some delays in transport due to flooding and units forced to take alternative routes.

South West Region reports heavy rainfall on the Darling Downs is impacting on response times. As with North Coast Region, isolated flooding has result in some delayed or extended transport times. ADF helicopters have been deployed to Roma to assist with accessing patients. A QAS Flight paramedic has been deployed to St George.

8 January 2011

Heavy overnight rain has impacted on flood recovery operations. North Coast Region reports that heavy overnight rainfall has seen flooding in the Maryborough and Gympie areas. Road closures have impacted on response times with some communities isolated by road. QAS temporary facilities have been established at Granville to maintain coverage on both sides of the Mary River. Delayed responses and transports are occurring due to flooding.

South West Region reports that rainfall on the Darling Downs continues to hamper operations. Situation in St George is stable.

South East and Brisbane Regions report that minor flooding in the Kilcoy / Esk areas are causing minor delays in transports.

9 January 2011

North Coast Region reports that heavy rainfall has seen flooding impact on the Maryborough and Gympie areas. Currently in Maryborough the Granville and Lamington Bridges are closed. The Bruce Highway at Kybong is closed, as are the Wide Bay Highway to Kilkivan, and the road to Tin Can Bay. QAS operations are continuing with no detriment to patients reported.

South West Region reports that flood peak at St George has passed, but flood levels are again threatening Condamine.

Brisbane and South East Regions continue to be affected by localised flooding resulting in road closures, in particular the Esk, Lowood, Toogoolawah and Kilcoy areas.

Numerous instances of QFRS swift water rescue teams being activated to assist persons trapped by flash flooding. QAS is standing by at these incidents.

10 January 2011

Central Region reports flood operations continuing in Rockhampton. Gladstone TMC packed up and awaiting transport once roads clear.

South West Region reports flash flooding in Toowoomba, Murphy's Ck and Grantham. Significant local damage and casualties. QAS heavily involved assisting QFRS rescue teams. Responses to emergency calls hampered by damaged road infrastructure. Paramedics from South East Region despatched to the Lockyer Valley to assist local crews. Flash flooding in Oakey. QAS assisting in evacuation of 77 patients from Oakey nursing home to nearby defence base. Staff at Gatton activated following reports of pending flash floods.

At St George the TMC is no longer required. The TMC is being packed up with intention of being moved towards Toowoomba if required.

11 January 2011

Brisbane and South East Region are deploying staff to assist in providing emergency coverage to QFRS and QPS rescue crews during operations at Lockyer Valley and Grantham during search and rescue operations. Heavy rainfall is being experienced in the Caboolture and Pine Rivers catchment. Significant flooding in Caboolture and Pine Rivers main areas has resulted in delayed responses and transports. Bribie Island and other communities isolated by flooded roads.

QHealth advised cancellation of all elective surgery and outpatient services in Brisbane. Brisbane pre booked Patient Transport Services (PTS) cases apart from dialysis and radio therapy cancelled until further notice. PTS vehicles and staff are assisting with evacuation of nursing homes, non ambulatory persons and persons requiring specialised medical equipment (ie electrically operated Oxygen generators) in those areas expected to be inundated by flood water.

QAS training courses cancelled at Queensland Combined Emergency Services Academy - Whyte Island and training staff diverted to operations as required. Non time critical support

functions within QAS state headquarters are suspended until further notice and staff diverted in support of the current flood emergency. Additional staff deployed into communication centres at Maroochydore, Brisbane and Southport to assist in managing any increase in 000 traffic due to floods and to cover unexpected staff absences.

Flight paramedics deployed with EMQ and community rescue helicopter services to assist as required on a state-wide basis.

12 January 2011

QAS continues to support operations and agencies responding to widespread flooding in Central and South East, South West and Brisbane Regions. Major centres of existing activity are Brisbane, Rockhampton, Toowoomba, Maryborough, Gympie, Sunshine Coast, Locker Valley, Helidon, Gatton, and Ipswich. Response times and transport times are being prolonged due to access difficulties and road closures.

No reports of adverse patient outcomes as a result of these delays have been received.

QAS staff from Brisbane and South East Regions are busy coordinating and effecting the evacuation of nursing homes in flood affected areas such as Rocklea (51 Patients) and Jindalee (32 patients) to Pimpama, QE2 Hospital and QE2 Stadium Evacuation Centre. Staff are deployed to assist in search and rescue operations in Murphy's Creek, Grantham and Helidon. A TMC has been deployed to Ipswich for operation in cooperation with QHealth. A further TMC has been directed to Goondiwindi in anticipation of expected flood peaks. Redbank Ambulance Station is expected to be isolated by floodwaters today with crews and vehicles being relocated to Springfield Ambulance Station until floodwaters recede. QAS resources in Ipswich spread to adjoining areas to provide cover if floodwaters divide the city and inhibit access.

13 January 2011

QAS continues to support operations and agencies responding to widespread flooding in Central, South East, South West and Brisbane Regions. Major centres of existing activity are Rockhampton, Toowoomba, Maryborough, Sunshine Coast, Brisbane, Locker Valley, Helidon, Gatton, and Ipswich. Response times and transport times are being prolonged due to access difficulties and road closures. No reports of adverse patient outcomes as a result of these delays have been received. Flooding in Brisbane City resulted in failure of the pager networks, this caused minimal disruption to operations as alternative communication channels utilised.

QAS has accepted offers of assistance from interstate services with Paramedic responding shortly from NSW (10), Victoria (10) and South Australia (4). These paramedics will be co located with QAS Paramedics at various locations in SE Qld. The first of these paramedics (NSW and SA) are expected to arrive this evening and will undertake a brief induction session to familiarise themselves with QAS equipment and procedures, prior to being utilised in the flood affected areas of Brisbane.

South West Region advises that precautionary evacuations are underway from Goondiwindi Hospital (15 patients) and Kaloma Nursing Home (46 patients). QAS staff are working closely with QHealth to expedite these evacuations through ground transport of patients to the airport and helipads. TMC in place at Goondiwindi staffed by 5 QAS personnel from Brisbane (2) and Cairns (3). QAS providing ground transport for patients to airport. Heavy rain and thunderstorms throughout the Darling Downs and granite belt causing localised flash flooding

and worsening existing river flooding. Dirranbandi remains isolated with Brisbane based officers being deployed to assist local staff. Regions are rotating staff involved in search and rescue operations in Grantham and Murphy's Creek areas.

Central Region report that much needed patient care supplies for Rockhampton have been forwarded via Mackay due to normal supply route being cut by floodwaters. Current airbridge between Rockhampton and Gladstone being maintained to facilitate transfer of patients out of Rockhampton.

North Coast Region reports that flood waters in Gympie have now receded sufficiently to allow normal operations. Granville still remains isolated from Maryborough. Road access across the region is improving slightly. Floodwaters in Bundaberg are rising again but are not expected to close bridges.

Brisbane and South East Regions report multiple road closures including Gateway Bridge at times due to large floating debris in river. Wesley Hospital isolated and not able to accept patients. Both Brisbane and South East Region communication centres providing mutual support in responding to calls for service in flood affected areas. QAS crews in Pullenvale area accessing patients using ADF Unimog vehicles which have high clearance necessary to transit floodwater. Reports that damage to infrastructure are affecting radio and phone coverage in the Lowood and Rosewood areas. Satellite phones have been dispatched to these stations to ensure continuity in communications. Paramedics are being deployed to flood affected areas such as Esk and Fernvale as part of community response teams.

14 January 2011

QAS continues to support widespread flooding in Central, North Coast, South East, South West and Brisbane Regions. All regions have conducted welfare checks on staff directly affected by the flood events.

Northern and Far Northern Regions report that some communities are cut off by flood waters, however this is considered a normal wet season event and communities are well prepared.

Central Region reports that floodwaters are receding at Rockhampton. Bruce Highway expected to open within the next 24 hours. Clean up operations continue throughout the region.

North Coast Region reports that Maryborough is still flood affected, however other areas are slowly returning to normal. Damage to roads and bridges is still impacting on response times.

South West Region reports that the TMC in Goondiwindi continues to operate staffed jointly with QHealth. Dirranbandi hospital has been evacuated and QAS paramedics are deployed in support of ongoing search and rescue operations at Grantham and Murphy's Creek.

Brisbane and South East Regions report that although flood waters are starting to recede, there is still major flooding in Ipswich and the western suburbs of Brisbane with multiple road closures still affecting operations. Paramedics deployed with ADF in Karana Downs area using amphibious vehicles to reach patients. A medical cache has been established at the Karana Downs evacuation centre with paramedics providing first aid services. Access to Redbank Ambulance Station is now restored and the station is fully operational. Flood waters have receded slightly in the Gatton / Esk areas allowing access to Ipswich Hospital from those areas.

15 January 2011

QAS continues to support widespread flooding in Central, North Coast, South East, South West and Brisbane Regions. Regions are continuing welfare checks on staff directly affected by floods.

Far Northern and Northern Regions report operations normal. Flight paramedics are deployed with rescue helicopters in the South West and Central Regions.

Central Region reports that the Bruce Highway is now open at Rockhampton. Cleanup operations are underway in Rockhampton and continue in Emerald and Theodore. Damage to road infrastructure may still affect response times.

North Coast Region reports that operations are returning to normal with cleanup operations underway. Significant damage to road infrastructure has occurred in the upper and lower Burnett.

South Western Region report that flooding continues at Chinchilla, Condamine, Surat, Goondiwindi, Texas, St George and Dirranbandi areas. Road access to these areas is either not possible or difficult at this time. Staff are being rotated via helicopter.

Brisbane and South East Regions report that floodwaters continue to recede. Road access to some areas impeded by debris on roadways and damage to road infrastructure. Cleanup operations are underway in most areas. Ten Paramedics from Victoria are expected to arrive today. Following induction briefing and equipment familiarisation these officers will be deployed to Toowoomba (5) and Ipswich (5) to work with and provide relief to QAS Paramedics in these areas and to assist in search and rescue operations.

16 January 2011

All regions have conducted welfare checks on staff directly affected by the flood. QAS continues to support widespread flooding in South West Region. Goondiwindi, Dirranbandi, St George and Condamine remain isolated by flood waters. Staff are being rotated as required.

All other areas are now in recovery mode. Damage to road infrastructure continues to impact on service delivery. Paramedics are involved in assisting in recovery operations in all affected areas. Brisbane and South East Regions are providing crews to repatriate patients evacuated from nursing homes. QAS crews are maintaining a presence at clean up sites providing first aid services as well as emergency coverage.

17 January 2011

All regions have conducted welfare checks on staff directly affected by the flood. QAS continues to support widespread flooding in South West Region. Goondiwindi, Dirranbandi, St George and Condamine remain isolated by flood waters however the flood waters are beginning to recede. Staff are being rotated as required.

South East Queensland is now in recovery mode. Normal operations are being resumed with QAS continuing to support clean up operations. TMC at Ipswich has been closed and is currently being returned to Brisbane.

18 January 2011

All regions have conducted welfare checks on staff directly affected by the flood. QAS continues to support widespread flooding in South West Region. Goondiwindi, Dirranbandi and Condamine remain isolated by flood waters however the flood waters are beginning to recede. Staff are being rotated as required.

Elsewhere the clean up continues. QAS staff remain deployed in support of search and rescue in the Grantham/ Murphy's Creek area. Interstate paramedics are supporting QAS paramedics in Brisbane, Ipswich and Toowoomba. Crews have been deployed to provide support to clean up operations.

19 January 2011

All regions have conducted welfare checks on staff directly affected by the flood. QAS continues to support widespread flooding in South West Region. Dirranbandi and Condamine remain isolated by flood waters however the flood waters are beginning to recede. Staff are being rotated as required.

TMC and support staff at Goondiwindi are returning to Brisbane today. Paramedic support for search operations in Murphy's Creek is no longer required.

QAS support to clean up operations continues.

20 January 2011

Local thunderstorms throughout the South East caused localised flash flooding in the Lockyer Valley and Ipswich area. Numerous road closures of short duration occurred. Clean up operations continue.

21 January 2011

Clean up operations continue. Interstate Paramedics from NSW and SA have completed their secondment and have returned to their state of origin. Victorian Paramedics will complete their deployment on 22 Jan 2011. Clean up operations continue. Normal operational rostering resumed state-wide.

'DCS-10'**EMQ Chronology and Other Response Related Data**

Appendix 1.	EMQ Chronology of Events 1 Oct 2010 to 23 Dec 2010
Appendix 2.	EMQ Chronology of Events 24 Dec 2010 to 26 Jan 2011
Appendix 3.	Emergency Alert (EA) Campaign Record
Appendix 4.	EMQ Record of State-Level Resupply Operations
Appendix 5.	EMQ Record of Requests for Assistance (RFA)
Appendix 6.	Record of EMQ Helicopter Flood Tasking
Appendix 7.	Record of SES Task Force Deployments



EVENT CHRONOLOGY

Queensland Floods

1 Oct 2010 to 23 Dec 2010



Annex F Appendix 1

CHRONOLOGY OF EVENTS OCTOBER TO DECEMBER 2010

Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Fri 1 October		<p>Flood Warnings are current for the following rivers: Upper Thomson and Barcoo - Minor flooding continues in the Thomson River between Muttaborra and Camoola Park. Minor flooding continues in the upper Barcoo River at Gillespie and between Blackall and Coolagh. River levels at Longreach are currently rising with minor flooding possible during the weekend. Mackenzie, Dawson and Comet Rivers - On the Mackenzie River, minor to moderate flooding continues between Yakcam and Bingegang and will continue into the weekend. Moderate flooding continues to rise in the Comet River at Comet Weir and major flood levels were expected during Thursday. On the Dawson River, levels continue to rise at Taroom with a moderate flood peak. Minor flooding continues in the Baralaba area and extends downstream.</p> <p>Macintyre and Weir Rivers - Minor flood levels continue to fall between New Kildonan and Goondiwindi on the Macintyre River with moderate flooding easing at Carana Weir on Callandoon Creek. Major flood levels are peaking downstream at Terrewah. On the Weir River, moderate flood levels continue to rise nearing a peak at Giddi Giddi South. Minor flooding continues to rise downstream between Hartmann Bridge and the Surrey.</p>	<p>South of Cooktown: O'Donoghue Road 99mm Whyanbeel Creek 57mm</p>	24 calls.	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p>The Courier Mail reports: QUEENSLAND could be facing a double-whammy wet season, as rain-bearing Pacific and Indian Ocean weather events combine for the first time in 35 years. The last time this happened was in the 1970s, when major flooding hit almost all the state. Weather Channel meteorologist Tom Saunders said there was a strong chance Australia would experience simultaneous La Nina and Indian Ocean Dipole events. A La Nina and a negative IOD both tend to produce above average rainfall. "With the waters off our northern coastline warmer than normal, we can also expect an active tropical cyclone season. The cyclone season tends to start a little earlier than normal and on average there are nearly twice as many impacts on the Queensland coast during La Nina than El Nino."</p> <p>http://www.couriermail.com.au/news/queensland/major-wet-season-tipped-for-queensland-as-pacific-and-indian-ocean-weather-patterns-combine/story-e6freof-1225932545396</p>	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
		Belyando River - Major flood levels are being recorded on the Belyando River at Albro. River rises should be expected between Albro and St Anns for several days.					
Sat 2 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.	Flood Warnings are current for the following rivers: Upper Thomson and Barcoo - Minor flood levels are nearing a peak in the Thomson River at Camoola Park. Minor flooding continues in the upper Barcoo River at Blackall and downstream at Isisford. River levels at Longreach are currently rising with minor flooding possible during the weekend. Minor flooding is occurring on the upper Barcoo River at Blackall. Renewed rises are forecast downstream of Blackall into next week with minor flooding likely. Mackenzie, Dawson and Comet Rivers - On the Mackenzie River, minor to moderate flooding continues between Yakcam and Bingegang and will continue into next week. Moderate flooding is easing in the Comet River at Comet Weir following a major flood peak during Thursday evening. Minor flooding continues at The Lake. Minor flooding is easing at Taroom following a moderate flood peak during Thursday afternoon. Minor flooding continues in the Dawson River in the Baralaba area and extends downstream. Macintyre and Weir Rivers - Minor flood levels continue to fall between New Kildonan and Goondiwindi on the Macintyre River with moderate flooding easing at Carana Weir on Callandoon Creek. Major flood levels are	Corsis (west of Innisfail) 89mm Jarra Creek (west of Tully) 85mm	22 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
		<p>peaking downstream at Terrewah. On the Weir River, moderate flood levels continue to rise nearing a peak at Giddi Giddi South. Minor to moderate flooding continues to rise downstream between Hartmann Bridge and Surrey with the flood peak approaching Hartmann Bridge.</p> <p>Belyando River - Major flood levels are being recorded on the Belyando River at Albro. River rises should be expected between Albro and St Anns for several days.</p> <p>Warrego River - Minor flooding is being recorded in the Nive River at Biddenham and on the Warrego River at the 27 Mile Garden. A below minor flood peak is expected at Charleville during the next few days. River level rises and minor flooding is being recorded in the Ward River at Oakpark. Renewed rises are expected at Binnowie during the weekend.</p>					

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood-Related Deaths
Sun 3 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.	Flood Warnings are current for the following rivers: Upper Thomson and Barcoo - Minor flood levels continue to rise in the Thomson River at Longreach. Minor flooding is being recorded in the Barcoo River at Blackall and downstream between Isisford and Oma. Minor flooding has peaked in the Camoola Park area. Minor flood levels at Longreach continue to rise with a flood peak of around 3.8 metres expected overnight Sunday. Minor flooding is easing on the upper Barcoo River at Blackall. Minor flooding is being recorded downstream between Isisford and Oma. Minor flood levels will continue on the lower Barcoo River into next week as upstream floodwaters arrive. Mackenzie and Dawson Rivers - On the Mackenzie River, minor to moderate flooding continues between Yakcam and Bingegang will continue into next week. Minor flooding continues in the Dawson River at Taroom and further downstream between Baralaba and Knebworth. Macintyre and Weir Rivers - Minor to moderate flooding continues along the Weir River with the flood peak now approaching the Surrey area. A moderate to major flood peak is expected at Surrey during the next few days. Major flooding is nearing a peak further downstream at Jericho with minor flooding continuing in the Mascot area. Moderate flood levels continue to ease	Corsis (west of Innisfail) 145mm Sweeny Creek (Innisfail) 135mm Innisfail Wharf 104mm Upper Springbrook (Gold Coast) 36mm	13 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
		<p>on the lower Macintyre River at Terrewah.</p> <p>Belyando River - Major flooding continues to ease on the Belyando River at Albrow. At 8:50am Saturday, the river level at Albrow was 6.29 metres and falling. River rises should be expected along the Belyando River downstream of Albrow to St Anns for the next several days.</p> <p>Warrego River - Minor flooding is being recorded in the Nive River at Biddenham and on the Warrego River at the 27 Mile Garden. A below minor flood peak is expected at Charleville during the next few days. Moderate flooding is being recorded in the Ward River at Oakpark. River level rises are being recorded in the Binnowee area with a below minor flood peak expected into next week.</p>					

Annex F Appendix 1

Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Mon 4 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.	Flood Warnings are current for the following rivers: Upper Thomson and Barcoo - Minor flood levels have peaked on the Thomson River at Longreach. Minor flooding is occurring on the lower Barcoo River between Isisford and Oma, with river rises occurring further downstream through to Retreat. Mackenzie and Dawson Rivers - minor to moderate flooding continues in the Fitzroy River basin. Macintyre and Weir Rivers - Minor to moderate flooding is occurring along the Weir River between Giddi Giddi South and Mascot, with a moderate flood peak currently in the Surrey area. River rises and major flooding are occurring further downstream at Jericho. Major flooding has already exceeded the January 2008 flood peak of 3.08 metres at Jericho.	South Johnstone (Innisfail) 123mm Mounilyan (S of Innisfail) 115mm Coolangatta 136mm Molendinar (northern Gold Coast) 113mm Coomera 104mm Burleigh Waters 100mm	48 calls were made to SES 132 500 in the period since 05:00am Sunday. 41 of these were from the Gold Coast. 30 SES members from the Gold Coast completed 18 jobs – primarily for leaking roofs and sandbagging.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<i>The Gold Coast Bulletin reports:</i> THE Gold Coast has been drenched with more than 120mm of rain over the weekend but the bad news is there is a lot more on the way. Hannah McEwan, from the Weather Channel, said Gold Coasters should brace for six more days of rain. "It will be heavy for the next two days and then ease to light showers until the end of next weekend," she said. "I expect a severe weather warning will be announced for flash flooding before the end of the week." (SDCC NOTE: The Bureau advises that at this stage it appears that heavy rain will be confined to Northern NSW due to a small low off the coast)	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Tue 5 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.	Flood Warnings are current for the following rivers: Upper Thomson and Barcoo: Minor flooding has peaked in the Thomson River at Longreach and is falling slowly. Minor flooding is possible between Glenlock and Retreat during the next few days. Macintyre and Weir Rivers: Minor to moderate flooding is occurring along the Weir River between Hartmann Bridge and Talwood, with a minor flood peak expected at Talwood during the next few days. River rises and major flooding are occurring further downstream at Jericho.	No significant rainfall was recorded in Queensland in the period since 09:00am Monday.	132500 call numbers are unavailable at this time.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<p><i>ABC News Online reports:</i> The weather bureau fears a cyclone will form off the Queensland coast by Christmas.</p> <p>The Australian Bureau of Meteorology (ABM) has released its seasonal outlook. It shows a distinct La Nina weather pattern, which is expected to lead to an increase in cyclone activity in the Coral Sea.</p>	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Wed 6 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan. The SDCC is monitoring travel advisories and the general security environment in India very closely whilst the Commonwealth Games takes place.	Flood Warnings are current for the following rivers: Upper Thomson and Barcoo: Minor flooding continues to ease in the Thomson River at Longreach, and minor flooding is possible downstream to Jundah during this week. Minor flooding is rising on the Barcoo River at Isisford and renewed rises are expected downstream to the Retreat area during the next few days. Macintyre and Weir Rivers: Minor flooding is occurring along the Weir River between Surrey and Mascot, with major flooding occurring at Jericho. Moderate flood levels continue to ease slowly on the lower Macintyre River at Terrewah.	Storm King Dam (Stanthorpe) 51mm Granite Street (Stanthorpe) 30mm Applethorpe 21mm	24 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 192,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Thur 7 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>The SDCC is monitoring travel advisories and the general security environment in India very closely whilst the Commonwealth Games takes place.</p> <p>SunWater has advised that Burdekin Falls Dam began over-topping at approx. 0200hrs Wednesday (6.10.10) triggering an EAP event.</p> <p>At 0600hrs Wednesday, the Dam was overtopping 30mm, thereby discharging 420ML/day. Based on current inflows, initial estimates for a peak overflow are approx 500-600mm.</p>	<p>Flood Warnings are current for the following rivers: Upper Thomson and Barcoo: Minor flooding continues to ease in the Thomson River at Longreach. Renewed rises are being recorded downstream of Isisford. Minor flooding is possible downstream to Jundah during this week. Renewed rises are being recorded downstream of Isisford to the Retreat area and will continue this week with minor flooding possible.</p> <p>Macintyre and Weir Rivers: Minor flooding is occurring along the Weir River between Surrey and Mascot, with major flooding occurring at Jericho. Minor flood levels on the Weir River at Talwood continue to ease. Moderate flood levels continue to ease slowly on the lower Macintyre River at Terrowah.</p>	<p>Menavale Alert (Innisfail) 31mm</p> <p>Topaz Alert (Innisfail) 19mm</p>	9 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Fri 8 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan. The SDCC is monitoring travel advisories and the general security environment in India very closely whilst the Commonwealth Games takes place.	Flood Warnings are current for the following rivers: River levels have fallen below minor level in the Thomson and Barcoo Rivers. Macintyre and Weir Rivers: Moderate to major flooding is occurring along the Weir River between Jericho and Mascot. Moderate flood levels continue to ease slowly on the lower Macintyre River at Terrewah.	Calamvale 81mm Redcliffe 75mm Kowanyama AP 53mm Woody Point 68mm There has been very heavy rainfall since late on the night of Thursday 07 October. The main area impacted has been Brisbane, Moreton Bay and the Sunshine Coast, but the South East Region has also received steady rainfall throughout this period.	67 calls were made to SES 132 500 in the period since 05:00am Thursday. 28 of these were from the Brisbane. Jobs – primarily for leaking roofs and sandbagging.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Brisbane Times Online reports: Several drivers had to be rescued from their submerged vehicles as flash flooding hit Brisbane. An intense thunderstorm brought up to 85 millimeters of rain in one hour in some suburbs. It caused local flooding in parts of the city, creating dangerous conditions for drivers and making some roads impassable. The thunderstorm hit the city about 1am. Between 50 and 85 millimeters of rain fell across the city. The largest rainfalls were recorded at Bulimba, in Brisbane's east, and Calamvale, in the south, which each received 85 millimeters, according to the Bureau of Meteorology. A lightning strike caused power outages for about 1800 properties in Tingalpa, Wakerley, Ransome and Gumdale. Energex spokesman Nathan Hatch said. Power was restored within 45 minutes, he said. http://www.brisbanetimes.com.au/queensland/suburbs-awash-as-flash-flooding-wreaks-havoc-20101008-16a9f.html	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Sat 9 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan. Confirmation has been received from Australian Defence Force, Pakistan Military and UN agencies that most displaced people in the area have now returned to their homes; the AMTF has now met the primary humanitarian objective it was established to address, and outreach medical activities to service the small numbers of people who may not be within easy reach of health services are not likely to be possible and may not be necessary; As a result, the AMTF (both civilian and ADF arms) have agreed that it is appropriate to wind up clinical services at Kot Addu in the near future; It has been agreed that BRAVO II, CHARLIE I and CHARLIE II be stood down and all current deployed AUSMAT members return to Australia the week of 21 October. The SDCC is monitoring travel advisories and the general security environment in India very closely whilst the Commonwealth Games takes place. Please see a separate email for details of activations as a result of the rain event in South East Queensland over the last two days.</p>	<p>A Severe Weather Warning for Heavy rainfall and Flash Flooding was issued at 00:56am on Saturday 09 October, for people in the Sunshine Coast and Hinterland. An upper trough combined with a strong SE change is causing heavy rain areas to continue over the Sunshine Coast and Hinterland. Rain areas likely to continue in the area during the day, however the heavy rain areas causing flash flooding have now moved off the coast. Flood Warnings are current for the following rivers: Upper Barcoo River: Renewed river rises are occurring in the Tambo area and will continue in the upper Barcoo River and tributaries during the weekend. Macintyre and Weir Rivers: Moderate to major flooding continues along the Weir River between Jericho and Mascot. Minor flood levels continue to ease on the lower Macintyre River at Terrewah. Sunshine Coast Streams and Hinterland: Fast stream rises causing some moderate flooding are expected overnight and Saturday morning in the Sunshine Coast streams. A Flood Warning for Sunshine Coast Streams and Hinterland was issued at 11:06pm on Friday 08 October. Flash flooding of smaller streams and low lying areas is expected in the areas of heaviest rains overnight. Fast stream rises causing some moderate flooding are expected in the Sunshine Coast streams, especially in the upper Maroochy River and its</p>	<p>Lake Cooribah (Noosa) 246mm Tewantin 235mm Noosa Heads 213mm West Woombye 194mm</p>	<p>148 calls were made to SES 132 500 in the period since 05:00am Friday. The highest concentration of calls was from: Brisbane 30 Noosa 23 Gold Coast 17 Redcliffe 13</p>	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p>The Courier Mail reports: THE State Government is refusing to allow the massive emergency capacity of Wivenhoe Dam for the long-term storage of drinking water until more is known about the effect on flood risk. This follows a call from the Opposition for a new approach to the dam's huge "buffer" capacity - designed only to soak up water that would otherwise flood Brisbane. Under cautious operating rules set by Parliament, managers must empty the entire 1.45 million megalitres within seven days of filling to prevent a second flood event over-running the dam. Wivenhoe is now considered "full" after recent rains took it to 1.17 megalitres and water was last week being spilled into the Brisbane River to maintain the waterline.</p>	<p>Nil.</p>

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
		tributaries including Petrie, Paynter and Eudlo Creeks. Fast stream rises are also expected overnight and into Saturday in the upper Mary River tributaries.					

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Sun 10 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All current deployed AUSMAT members return to Australia the week of 21 October.</p> <p>The SDCC is monitoring travel advisories and the general security environment in India very closely whilst the Commonwealth Games takes place.</p> <p>Latest information on the current SE Qld rain Event is as follows:</p> <p>SES Activations 5:00am Saturday to 5:00am Sunday:</p> <p>North Coast Region 23 SES members completed 10 jobs</p> <p>Brisbane Region 55 SES members completed 23 jobs</p> <p>South Eastern Region 26 SES members completed 7 jobs</p> <p>A Final Flood Warning for the Sunshine Coast Streams and Hinterland was issued at 3:36pm on Saturday as rainfall and river rises eased.</p> <p>A Severe Weather Warning is current and damaging wind gusts and heavy rain is expected later today and overnight.</p>	<p>A Severe Weather Warning for damaging wind gusts and flash flooding is current for people in the Southeast Coast district. An Intensifying high is over the Tasman Sea and a deep trough is off the southern Queensland coast. The combination of these two systems is expected to produce wind gusts in excess of 90 km/hr, mainly along the exposed coast and over the islands. As the trough moves closer to the coast expect increasing rain during the day with locally heavy falls developing, particularly late in the day or at night, with the possibility of flash flooding.</p> <p>Flood Warnings are current for the following rivers:</p> <p>Upper Barcoo River: River level rises and minor flooding continues to rise downstream to Blackall with moderate flooding likely into next week.</p> <p>Macintyre and Weir Rivers: Rainfall recorded in the upper Weir River catchment is producing fast river level rises and moderate flooding in the O'Connor area. River level rises and possible minor flooding is expected downstream into next week.</p>	No significant rainfall.	<p>98 calls were made to SES 132 500 in the period since 05:00am Saturday. The highest concentration of calls was from:</p> <p>Noosa 18</p> <p>Brisbane 17</p> <p>Maroochydhore 10</p>	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p>ABC News Online reports: Authorities are warning residents on Queensland's Sunshine Coast to brace for more severe weather. More than 260 millimetres fell in the 24 hours to 9:00am (AEST) yesterday, causing landslips, flash flooding and closed roads.</p> <p>The weather bureau issued a severe weather warning for damaging winds and flash flooding on the south-east coast overnight and today.</p> <p>http://www.abc.net.au/news/stories/2010/10/09/3033896.htm</p> <p>The Courier Mail reports: EMERGENCY services are on standby as gale-force winds and flash flooding affect southeast Queensland, with landslides already affecting the Sunshine Coast early on Saturday.</p> <p>Emergency Management Queensland is urging people from Bundaberg to the Gold Coast and in inland towns to prepare for heavy rain and strong wind gusts on Sunday morning.</p> <p>http://www.couriermail.com.au/news/queensland/heavy-rain-brings-flooding-and-minor-land-slips-to-sunshine-coast/story-e6frcoof-1225936314099</p>	Nil.

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Mon 11 October	<p>EMQ Regions continue to work with Local Government in preparation for and in response to this rain event.</p> <p>North Coast Region:</p> <p>The Sunshine Coast Regional Council remains at standby phase.</p> <p>Overnight SES members in the North Coast Region have completed approximately 16 jobs – primarily sandbagging and temporary roof repairs.</p> <p>Brisbane Region:</p> <p>Brisbane Region SES have had approximately 10 jobs, primarily sandbagging jobs and a couple of chainsaw jobs for fallen trees in Caboolture and Redcliffe.</p> <p>South Eastern Region:</p> <p>South Eastern Region SES members have completed approximately 16 jobs, mainly sandbagging and temporary roof repairs.</p> <p>The numbers of jobs are expected to increase significantly this morning as people wake.</p>	<p>A Severe Weather Warning for damaging wind gusts and flash flooding is current for people in the Southeast Coast district. An intensifying high is over the Tasman Sea and a deep trough is off the southern Queensland coast (expected to weaken during the day). Strong to gale force winds onto the southeast Queensland coast are expected to maintain very rough seas and large swells during the day, leading to dangerous beach and surf conditions.</p> <p>As the trough weakens, expect heavy rain with flash flooding over the coast and adjacent inland areas to ease during the morning. Damaging wind gusts in excess of 90 km/hr are no longer likely, though conditions will remain windy during the day.</p> <p>A flood warning is current for coastal streams from the Sunshine Coast to the NSW border, including the adjacent Hinterland streams.</p>	<p>Upper Springbrook 257mm Maleny 145mm Coolangatta 119mm Nambour 132mm Brisbane 64mm Geebung 96mm Mitchellton 95mm Maroochydore 69mm Tewantin 70mm</p>	<p>Brisbane East and Bay Islands: 1305 Caboolture/Redcliffe: 3309 Gold Coast: 33 Sunshine Coast: 1551</p>	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths												
Tue 12 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All current deployed AUSMAT members return to Australia the week of 21 October.</p> <p>The SDCC is monitoring travel advisories and the general security environment in India very closely whilst the Commonwealth Games takes place.</p> <p>Latest information on the current SE Qld rain Event is as follows: SES Activations 3:00am to 8:00pm Monday: North Coast Region 16 jobs completed Brisbane Region 234 jobs completed, 422 outstanding South Eastern Region 105 jobs completed, 9 outstanding North Coast region will deploy 2 SES Teams to assist Moreton Bay SES today South Eastern Region will deploy 3 SES Teams from Ipswich and Logan to assist Moreton Bay SES today EMQ Regions continue to work with Local Government in response to this rain event. The next Situation Report will be issued as at 0800hrs this morning.</p>	<p>A Severe Weather Warning for Dangerous Beach and Surf Conditions is current for people in the Southeast Coast district. An intense high over the southern Tasman Sea is weakening with easing winds and decreasing precipitation on the SE coast. Dangerous beach and surf conditions will persist this morning but will ease this afternoon.</p> <p>Flood Warnings are current for the following rivers: Barcoo River: Minor to moderate flooding continues in the upper Barcoo River between Gillespie and Blackall, with river rises and minor to moderate flooding to extend downstream from Blackall along the lower Barcoo River during this week.</p> <p>Macintyre and Weir Rivers: Renewed rises and minor flooding is occurring in the upper Weir River in the Ballymena area. Moderate to major flooding continues along the lower Weir River between Jericho and Mascot.</p> <p>Condamine and Balonne Rivers: Minor to moderate flooding is occurring along Charleys Creek above Chinchilla, with minor flooding occurring along the lower Condamine River between Brigalow Bridge and Cotswold.</p> <p>Stanley, Upper Brisbane and Bremer Rivers and Lockyer Creek: Minor to moderate flooding continues in the Stanley and Upper Brisbane River catchments and along The Bremer River. Some minor flooding is possible in Lockyer Creek.</p> <p>Mary River: Rainfall has eased over the Upper Mary catchment but fast rises are</p>	<p>Mt Glorious 177mm Dayboro 119mm Lake Kurwongbah 91mm Upper Springbrook 75mm Mt Mee 171mm Maleny 120mm</p>	<p>2666 calls were made to SES 132 500 in the period since 05:00am Monday. The highest concentration of calls was from:</p> <table><tr><td>Brisbane</td><td>1098</td></tr><tr><td>Petrie</td><td>433</td></tr><tr><td>Redcliffe</td><td>267</td></tr><tr><td>Arana Hills</td><td>112</td></tr><tr><td>Caboolture</td><td>104</td></tr><tr><td>Gold Coast</td><td>79</td></tr></table>	Brisbane	1098	Petrie	433	Redcliffe	267	Arana Hills	112	Caboolture	104	Gold Coast	79	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p><i>ABC News Online reports:</i> The Brisbane City Council says a combination of heavy rainfall, flooding and full dams have all the hallmarks of the period leading up to the 1974 floods in south east Queensland. Record-breaking rainfall has flooded waterways, roads and homes, cut power and filled the region's dams.</p> <p>The Lord Mayor Campbell Newman admits he is worried. "Back in '73 there was an extended period of wet leading up to January '74 where we had a cyclonic rain event which turned into a rain depression and then dumped a whole lot of rain in the catchment areas," he said.</p> <p>http://www.abc.net.au/news/stories/2010/10/11/3035505.htm</p> <p><i>The Courier Mail reports:</i> TWENTY Brisbane residences were evacuated, power lost to more than 20,000 homes and schools and roads closed as teeming rain and winds to 100km/hr swept across the southeast. Worst hit was low-lying Deagon in Brisbane's north where homes were cleared as Cabbage Tree Creek overflowed when the incoming tide coincided with heavy run off.</p> <p>Deputy Premier Paul Lucas warned Queenslanders they should brace for worse weather to come. "We're not over this yet," he said. "We know at this stage we're headed for another wet weekend."</p> <p>http://www.couriermail.com.au/news/features/homes-evacuated-schools-and-</p>	Nil.
Brisbane	1098																		
Petrie	433																		
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		continuing. Moderate flood levels are likely at Gympie during Tuesday night. Coastal rivers from the Sunshine Coast to the NSW Border. Fast rises causing minor to moderate flooding are occurring in coastal rivers from the Sunshine Coast to Brisbane. Further rises are likely while rainfall continues.				roads-closed-as-rain-lashes-southeast-queensland-and-more-wet-weather-is-on-the-way/story-e6freor-1225937371698	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths										
Wed 13 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All current deployed AUSMAT members return to Australia the week of 21 October.</p> <p>The SDCC is monitoring travel advisories and the general security environment in India very closely whilst the Commonwealth Games takes place.</p> <p>Latest information on the SE Qld rain Event is as follows: 10 SES Jobs remain to be completed in Brisbane Region. All others were completed on Tuesday.</p>	<p>A Severe Weather Warning for Dangerous Beach and Surf Conditions was cancelled by the Bureau at 3:05am.</p> <p>Flood Warnings are current for the following rivers: Barcoo River: Minor to moderate flooding continues in the Barcoo River between Gillespie and Coolagh. Minor flooding is also occurring in the Thomson River at Jundah and in the Cooper Creek at Windorah. Macintyre and Weir Rivers: Minor flooding is easing in the upper Weir River between Ballymena and Gunn Bridge. Minor to moderate flooding continues along the lower Weir River between Jericho and Mascot. Condamine and Balonne Rivers: River levels continue to rise between Cotswold and Surat on the Balonne River, where minor flooding is occurring and moderate flood levels are likely later this week. Stanley, Upper Brisbane and Bremer Rivers and Lockyer Creek: Minor to moderate flooding is easing in the Stanley and upper Brisbane Rivers above Wivenhoe Dam.</p> <p>NOTE: A strategy for release from Wivenhoe Dam is in place. Releases will be increased gradually as the local and tributary contributions fall to maintain this flow until Saturday. Rainfall has been forecast for Friday/Saturday however the strategy will be reviewed prior to this rainfall. The BoM will issue flood warnings for the Brisbane River as the levels will be above minor.</p> <p>Mary River: Moderate flood</p>	<p>Forbes Road (South of Proserpine) 177mm Clarke Range (West of Mackay) 102mm Eungella 51mm</p>	<p>177 calls were made to SES 132 500 in the period since 05:00am Tuesday. The highest concentration of calls was from:</p> <table><tr><td>Brisbane</td><td>53</td></tr><tr><td>Kilcoy</td><td>18</td></tr><tr><td>Gold Coast</td><td>14</td></tr><tr><td>Redcliffe</td><td>13</td></tr><tr><td>Petrie</td><td>11</td></tr></table>	Brisbane	53	Kilcoy	18	Gold Coast	14	Redcliffe	13	Petrie	11	<p>SDCC: Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p><i>ABC News Online reports:</i> It could be several days before the damage bill from the deluge in south-east Queensland can be fully assessed.</p> <p>A Queensland insurance company says hundreds of homes have been damaged.</p> <p>http://www.abc.net.au/news/stories/2010/10/12/3036177.htm</p> <p><i>The Courier Mail reports:</i> SWATHES of Brisbane suburbs and thousands of homes lie in the path of a once-in-50-year flood event, with experts warning that Wivenhoe Dam may not be sufficient to prevent a repeat of the disastrous 1974 floods.</p> <p>An analysis of Brisbane's flood maps reveal suburbs including Rocklea, Windsor, Toombul, Deagon, Ashgrove, Albion, Bulimba, Chelmer and Tennyson are at risk if the rain keeps falling.</p> <p>Lord Mayor Campbell Newman said no amount of flood mitigation works would protect low-lying areas of the city, as he foreshadowed a repeat of the 1974 floods.</p> <p>http://www.couriermail.com.au/news/queensland/brisbane-suburbs-most-at-risk-of-flooding-as-campbell-newman-warns-of-repeat-of-1974/story-e6fr9o0l-1225937856670</p>	
Brisbane	53																
Kilcoy	18																
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		levels are likely at Gympie during Wednesday.									
Thur 14 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All currently deployed AUSMAT members return to Australia the week of 21 October.</p> <p>The SDCC is monitoring travel advisories and the general security environment in India very closely whilst the Commonwealth Games takes place. New Delhi has been placed on a high security alert in readiness for today's Closing Ceremony.</p> <p>Latest information on the SE Qld Rain Event is as follows: The Minister for Police, Corrective Services and Emergency Services yesterday approved the activation of the Natural Disaster Relief and Recovery Arrangements for the following local government areas:</p> <p>Brisbane City Council Lockyer Valley Regional Council Somerset Regional Council South Burnett Regional Council Toowoomba Regional Council</p> <p>Main focus of attention in Brisbane Region now is to assess the flood risk that may result from high tide today combined with the release from Wivenhoe Dam. Brisbane LCC will be meeting this morning to review the situation and will provide feedback and advice</p>	<p>Flood Warnings are current for the following rivers: Barcoo River: Minor to moderate flooding continues between Blackall and Isisford. River rises and minor to moderate flood levels are forecast downstream of Isisford to Retreat during this week</p> <p>Macintyre and Weir Rivers: Minor flood levels were expected in the Giddi Giddi South area during Wednesday and minor flooding continues along the lower Weir River between Jericho and Mascot.</p> <p>Condamine and Balonne Rivers: Minor flooding is occurring on the lower Condamine River between Cotswold and Weribone on the Balonne River. The flood peak is approaching the Warkon area where major flood levels are likely.</p> <p>Stanley, Upper Brisbane and Bremer Rivers and Lockyer Creek: Minor flooding is easing in the Upper Brisbane River above Wivenhoe Dam.</p> <p>NOTE: A strategy for release from Wivenhoe Dam is in place. Releases will be increased gradually as the local and tributary contributions fall to maintain this flow until Saturday. Rainfall has been forecast for Friday/Saturday however the strategy will be reviewed prior to this rainfall. The BoM will issue flood warnings for the Brisbane River as the levels will be above minor.</p> <p>Mary River: Moderate flood levels were expected at Gympie during Wednesday as the floodwaters peaked.</p>	<p>Bulgun Creek (Tully) 93mm Tully Alert 91mm</p>	<p>86 calls were made to SES 132 500 in the period since 05:00am Wednesday. The highest concentration of calls was from:</p> <table><tr><td>Brisbane</td><td>26</td></tr><tr><td>Petrie</td><td>8</td></tr></table>	Brisbane	26	Petrie	8	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p>The Courier Mail reports: There appears no let-up ahead for Queensland's wet weather, with meteorologists warning the rain-bearing La Nina weather event has strengthened. National Climate Centre forecasters say another prime Indicator – the Southern Oscillation Index – is at its highest since 1973. Southeast Queensland's wet spring is expected to have long-term beneficial environmental effects, with rivers flushed out, bushland rejuvenated and big prawn catches likely.</p> <p>http://www.couriermail.com.au/news/queensland/la-nina-gaining-strength-as-threat-of-more-wet-weather-in-queensland-looms/story-e6freoof-1225938363091</p> <p>ABC Online reports: The Brisbane City Council is warning residents and motorists to be prepared for flooding in low-lying areas today. The council says this week's controlled water releases from the Wivenhoe Dam, on top of an expected high tide, could lead to flooding in several suburbs including Albion, Bowen Hills, Newstead, Windsor, Milton and Norman Park. The high tide is forecast for 2:30pm (AEST). But Bureau of Meteorology (BOM) hydrologist Jeff Perkins says no flood warning has been issued at this stage. "We've had higher than normal tides for the last few days and this is just a continuation of that."</p> <p>http://www.abc.net.au/news/stories/2010/10/13/3037586.htm</p>	
Brisbane	26										
Petrie	8										

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	to the SDCC.										
Fri 15 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All currently deployed AUSMAT members return to Australia the week of 21 October.</p> <p>The SDCC is monitoring travel advisories and the general security environment in India very closely whilst the Commonwealth Games takes place. New Delhi has been placed on a high security alert in readiness for today's Closing Ceremony.</p>	<p>Flood Warnings are current for the following rivers:</p> <p>Barcoo River: Minor to moderate flooding continues in the Barcoo River between Coolagh and Oma. River rises and minor to moderate flood levels are forecast downstream of Oma to Retreat during this week</p> <p>Macintyre and Weir Rivers: Minor flooding continues along the lower Weir River between Jericho and Mascot (Final flood warning for the Weir River).</p> <p>Condamine and Balonne Rivers: Minor to moderate flood levels are occurring along the Lower Condamine River between Cotswold and Weribone on the Balonne River. Major flood levels are likely at Warkon late Thursday.</p> <p>Stanley, Upper Brisbane and Bremer Rivers and Lockyer Creek: Minor flooding is easing in the Upper Brisbane River above Wivenhoe Dam. Minor flood levels continue to fall in the Devon Hills area.</p> <p>Mary River: The main flood peak is currently in the Home Park area causing minor flooding. River levels at Maryborough will remain well below minor flood levels. (Final flood warning).</p>	<p>Bulgum Creek (Tully) 62mm</p> <p>Billyana Alert (South of Tully) 75mm</p> <p>Ingham Pump Station AL 54mm</p>	<p>67 calls were made to SES 132 500 in the period since 05:00am Thursday. The highest concentration of calls was from:</p> <table><tr><td>Brisbane</td><td>34</td></tr><tr><td>Gold Coast</td><td>5</td></tr></table>	Brisbane	34	Gold Coast	5	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	Nil.	
Brisbane	34										
Gold Coast	5										

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Sat 16 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan. All currently deployed AUSMAT members return to Australia the week of 21 October.	The Severe Weather Warning for damaging winds was cancelled shortly after midnight as the cold front moved off-shore. Flood Warnings are current for the following rivers: Barcoo River: Minor to moderate flooding continues in the Barcoo River between Isisford and Wahrengha. River rises and moderate flood levels are forecast downstream of Wahrengha to Retreat over the weekend. Minor flooding is also occurring in the Thomson River at Stonehenge. Dumaresque and Macintyre: Fast rises should be expected along the Dumaresq River over the weekend. Downstream of the confluence of the Macintyre and Dumaresq Rivers, rises and at least moderate flooding should be expected along the Lower Macintyre River to Goondiwindi on Monday and Tuesday. Condamine and Balonne Rivers: On the Condamine at Surat, moderate flood levels are rising. Moderate flood levels are forecast at Weribone during the weekend. Stanley, Upper Brisbane and Bremer Rivers and Lockyer Creek: Minor flooding is easing in the upper Brisbane River above Wivenhoe Dam.	Dandabah (Nr Yarraman) 61mm O'Reilly's Alert (Gold Cst Hinterland) 57mm Wilson's Peak (NSW Border) 56mm	130 calls were made to SES 132 500 in the period since 05:00am Friday. The highest concentration of calls was from: Brisbane 41 Gold Coast 15	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	The Courier Mail reports: Overnight rain across much of southern Queensland is expected to ease this morning, but cool weather could have us reaching for the winter woolies. Up to 40mm was expected to fall in parts of the southeast to 9am this morning before clearing over the weekend. But the wet weather could return by the middle of next week, with a trough expected to develop once again over the southeast. The Courier Mail reports: Two homes in Deception Bay have been evacuated and others could be in danger after recent heavy rain caused part of a road and a retaining wall to collapse. Moreton Bay Regional Council Mayor Allan Sutherland described the scene at Jimna Court as "like an earthquake" after a retaining wall near a residential development sunk, causing cracking of up to 30cm in some places.	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths						
Sun 17 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All currently deployed AUSMAT members return to Australia the week of 21 October.</p> <p>An operation was carried out on Saturday to resupply 35 residents with food and medical supplies as they are stranded by floodwaters near Lake Manchester. SES organised eight members and two flood boats, but the operation was finally performed in two SES vehicles as the water level had dropped slightly. The cost of the supplies was borne by the Department of Communities. One resident was evacuated to visit a gravely ill relative in hospital, and was conveyed there by the SES.</p>	<p>Flood Warnings are current for the following rivers: Barcoo River: Moderate flooding continues in the Barcoo River between Isisford and Wahroongha, with the flood peak currently downstream from Oma. River rises and minor to moderate flood levels are forecast downstream of Wahroongha to Retreat over the weekend. Minor flooding is rising slowly in the Thomson River at Stonehenge.</p> <p>Dumaresque and Macintyre: Minor flooding is occurring in the numerous small creeks in and around the Stanthorpe area, including Quart Pot and Kettle Swamp Creeks. Minor flooding is occurring along the Dumaresq River below Roseneath, with the flood peak currently in the Bonshaw Weir area. River rises and minor to moderate flooding are expected downstream on the Dumaresq River at Bengalla later into the weekend, with minor flooding expected to commence further downstream along the Lower Macintyre River to Goondiwindi during Sunday.</p> <p>Condamine and Balonne Rivers: Fast stream rises and minor to moderate flooding are occurring in the upper Condamine River above Warwick in the Elbow Valley area, and moderate flooding continues along the Balonne River between Warkon and Weribone.</p> <p>Stanley, Upper Brisbane and Bremer Rivers and Lockyer Creek: Overnight rainfalls of up to 30mm have caused some small renewed rises across the upper Brisbane River catchment, which will</p>	<p>Fonthill (Nr Cairns) 15mm Saddle Mountain (nr Cairns) 14mm</p>	<p>204 calls were made to SES 132 500 in the period since 05:00am Saturday. The highest concentration of calls was from:</p> <table><tr><td>Brisbane</td><td>59</td></tr><tr><td>Arana Hills</td><td>17</td></tr><tr><td>Petrie</td><td>12</td></tr></table>	Brisbane	59	Arana Hills	17	Petrie	12	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p>The Courier Mail reports: An urgent briefing from Queensland's top weather forecaster has been ordered by the Bligh Government as concerns mount that the state is facing a devastating cyclone season and the worst flooding in more than a century. In an unprecedented move, weather bureau state director Jim Davidson will brief Premier Anna Bligh and her ministers tomorrow about the threat of up to six cyclones developing along the coast including the southeast this summer. Gale-force winds yesterday battered the state after a week of torrential rain, and Mr Davidson will warn that the emergence of a rare La Nina weather pattern has created an "increased risk" of severe cyclonic activity between December and March. "This is not a run-of-the mill La Nina," he will say in the presentation. "Expect with some degree of confidence a fairly active cyclone season and a continuation of the above-average rains and associated flooding." http://www.couriermail.com.au/news/features/expert-warns-that-cyclones-rain-and-flooding-are-on-the-way/story-e6frorf-1225939565460 News.com reports: Wild weather has caused havoc for thousands across Australia's eastern states yesterday, with floods forcing residents to flee and severe wind damage leaving swathes of homes without power. Wild winds and rain delivered a blow to Queensland's southeast corner, knocking out</p>	<p>Nil.</p>
Brisbane	59												
Arana Hills	17												
Petrie	12												

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
		maintain minor flooding above Wivenhoe Dam during Saturday. Small renewed rises and minor flooding expected at Linville. Minor flood levels continue at Devon Hills.				electricity supplies to nearly 50,000 homes and businesses. Most were reconnected by yesterday evening. More than 30 people at Lake Manchester in Brisbane's outer west have been cut off since Tuesday because of floodwaters. http://www.news.com.au/national/eastern-states-battered-by-floods-winds/story-e6frlkr-1225939683871	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Mon 18 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All currently deployed AUSMAT members return to Australia the week of 21 October.</p>	<p>Flood Warnings are current for the following rivers:</p> <p>Barcoo River: Minor to moderate flooding continues between Blackall and Retreat on the Barcoo River. At Windorah on Cooper Creek, minor flooding is rising fast. Minor flooding is rising slowly in the Thomson River at Stonehenge.</p> <p>Dumaresque and Macintyre: Renewed rises are occurring occurring along the Dumaresq River with a second flood peak peak currently in the Texas area.</p> <p>On the Lower Macintyre between Glenarvon and Goondiwindi, river levels will continue to rise reaching a peak of between 8.5 to 9 metres overnight Monday at Goondiwindi.</p> <p>Condamine and Balonne Rivers: Minor flooding is occurring on the Upper Condamine. Rises should also be expected downstream to Cotswold this week with some minor flooding. Minor flooding is also occurring at Whyenbah on the Culgoa River and at Hastings on the Balonne River Minor.</p> <p>Brisbane River: Minor flooding continues between Linville and Devon Hills.</p> <p>SEQWater advises that releases from Wivenhoe Dam will continue to be reduced.</p>	No significant rainfall was recorded in Queensland.	26 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p><i>The Courier Mail reports:</i></p> <p>MORE than 7000 Brisbane homes would be inundated in a one-in-50-year flood event, new figures show. But data released by Brisbane City Council shows that the number of homes facing a clean-up bill would double if the city was hit by one-in-100-year flooding, last experienced just nine years ago.</p> <p>http://www.couriermail.com.au/news/features/more-than-7000-brisbane-homes-at-risk-from-one-in-50-year-floods/story-e6freort-1225939880287</p> <p><i>The Brisbane Times reports:</i></p> <p>Widespread cyclonic conditions would be needed to produce a once-in-fifty-years flood event in Brisbane despite the city's recent deluge, according to an expert.</p> <p>University of Queensland emeritus professor Colin Apelt said the rain experienced in Brisbane this week was fairly localised and would not be enough to cause widespread flooding if it continued at the same intensity.</p> <p>http://www.brisbanetimes.com.au/environment/weather/1974-flood-repeat-would-need-a-cyclone-20101015-16nh1.html</p>	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Tue 19 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan. All currently deployed AUSMAT members return to Australia the week of 21 October.	Flood Warnings are current for the following rivers: Barcoo River and Cooper Creek: Minor to moderate flooding continues between Blackall and Retreat on the Barcoo River with the main flood peak currently in the Glenlock area. Major flood levels are forecast at Retreat this week. Moderate flood levels should be expected at Windorah on Cooper Creek this week. Lower Macintyre River: Major to moderate flood levels will continue along the Lower Macintyre between Kildonan and Goondiwindi. A peak flood level of up to 9 metres was expected at Goondiwindi overnight Monday. Moderate flood levels should be expected at Terrewah later today and major flood levels should be expected during this week. Condamine and Balonne Rivers: Minor to moderate flood levels are occurring between Centenary Bridge and Loudoun Bridge along the Upper Condamine. Moderate flooding extends along the Balonne River between Warkon and Weribone, where the flood peak is currently approaching the Weribone area. Brisbane River: Minor flooding continues at Devon Hills. SEQWater advises that releases from Wivenhoe Dam will continue to be reduced but will continue to affect water levels downstream from Wivenhoe Dam to Mt Crosby until Tuesday afternoon.	No significant rainfall was recorded in Queensland.	42 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<i>The Courier Mail reports:</i> Predictions the state faces the worst cyclone season in 40 years have prompted the Bligh Government to put in place a suite of measures to prepare Queenslanders. After a renowned weather expert yesterday briefed Cabinet, Premier Anna Bligh directed all government agencies to be extra prepared for storm season. Bureau of Meteorology regional director Jim Davidson repeated his warnings to Cabinet yesterday that six cyclones and monsoonal rain were likely to lash the Queensland coast in coming months. He said the state had not seen predictions of up to six cyclones since the 1970s. Top public servants were immediately put on notice that they would face a strict holiday roster over the Christmas season to ensure senior staff were always available http://www.couriermail.com.au/news/queensland/bligh-government-puts-queenslanders-on-storm-footing-after-weather-expert-briefs-cabinet/story-e6freoof-1225940394251	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	S&S 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Wed 20 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All currently deployed AUSMAT members will return to Australia on Saturday 23 October, via Perth International Airport.</p>	<p>Flood Warnings are current for the following rivers: Barcoo River and Cooper Creek: Minor to moderate flooding continues along the lower Barcoo River between Coolagh and Glenlock, with major flooding approaching a peak further downstream at Retreat. Moderate flooding continues to rise downstream on the Cooper Creek at Windorah, where moderate flood levels will remain high during this week.</p> <p>Lower Macintyre River: Major to moderate flood levels will continue to slowly ease along the Lower Macintyre between Kildonan and Goondiwindi during the next few days. Moderate flood levels are rising further downstream at Terrewah, with major flooding expected later this week.</p> <p>Condamine and Balonne Rivers: Minor flooding is occurring along the upper Condamine River at Centenary Bridge and at Loudoun Bridge. River levels are rising further downstream between Chinchilla and Cotswold with some renewed minor flooding going into the weekend. Minor to moderate flooding extends along the Balonne River between Warkon and Weribone, where the flood peak is currently in the Weribone area.</p> <p>Brisbane River: A Final Flood Warning was issued yesterday for the Brisbane River. Seqwater advises that all flood gates have been closed this morning at Wivenhoe Dam. Whilst low level releases will continue during the next few days, these will no longer affect road crossings downstream</p>	No significant rainfall was recorded in Queensland.	30 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p>The Cairns Post reports: Authorities are urging the public to prepare emergency plans, with warnings of six cyclones this season. Of the six cyclones predicted off the Queensland coast this season, the weather bureau says one may cross the coast before year's end. Disaster management experts hosted a community seminar at Innisfail yesterday to highlight the importance of preparing for the cyclone season before it officially starts on November 1.</p> <p>http://www.cairns.com.au/article/2010/10/19/131225_local-news.html</p> <p>The Courier Mail reports: Brisbane residents will have access to a new flood warning system that gives real-time information on creek heights ahead of a predicted severe cyclone season for Queensland. Brisbane City Council will give 3000 residents in Boondall, Rocklea, Hemmant and East Brisbane first access to a creek flooding warning system before it is rolled out.</p> <p>Lord Mayor Campbell Newman said the creek flooding warning system would add to the city's defences, but warned that residents should prepare their homes. Under the system, residents receive text messages during weather events on rising creek levels, expected peaks and risk of flooding based on technology installed in the creeks.</p> <p>http://www.couriermail.com.au/news/queensland/texts-will-warn-brisbane-residents-of-floods/story-e6fr00f-1225940893917</p>	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Thur 21 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan. All currently deployed AUSMAT members will return to Australia on Saturday 23 October, with the Queensland members arriving in Brisbane on Sunday 24 October.	from Wivenhoe Dam. Flood Warnings are current for the following rivers: Barcoo River and Cooper Creek: Minor to moderate flooding continues along the lower Barcoo River between Coolagh and Glenlock, with major flooding peaking overnight at Retreat. Moderate flooding continues to rise on the Cooper Creek at Windorah, where moderate flood levels will remain high during this week. Lower Macintyre River: Minor to moderate flooding continues to slowly ease along the lower Macintyre River between Kildonan and Goondiwindi. Moderate flood levels are rising further downstream at Terrowah Condamine and Balonne Rivers: Minor flooding is slowly peaking on the upper Condamine River at Loudoun Bridge. River levels are rising further downstream to Chinchilla and Cotswold. Minor to moderate flooding extends along the Balonne River between Warkon and Weribone, where the flood peak remains in the Weribone area. A moderate flood peak is expected at St George during Thursday.	Corsis Alert (nr Innisfail) 120mm Nerada Alert (nr Innisfail) 83mm Bulgum Creek (nr Tully) 80mm Menavale (nr Innisfail) 75mm	65 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	ABC North Queensland reports: The Cairns Post reports: Forecasters are predicting increased cyclone activity this year; however the weather bureau says a November cyclone is 'unlikely'. Townsville Meteorologist Greg Connor says in a La Nina year it is more likely that the first cyclone of the season will be before Christmas. The Townsville Bureau of Meteorology will join ABC North Queensland and emergency services at Cyclone Sunday on November 14. http://www.abc.net.au/local/stories/2010/10/20/3043752.htm?site=northqld The Courier Mail reports: A MAN clung to a tree above floodwaters near the Bedford Weir for nearly two hours before being rescued by SES crews last night. Emergency crews arrived at about 6.20pm but it was nearly 8pm before an SES flood boat could be floated to rescue the 45-year-old. http://www.couriermail.com.au/news/queensland/man-rescued-from-floodedwaters-near-bedford-weir-at-blackwater-after-clinging-to-tree/story-e6freof-1225941460223 The Courier Mail reports: Showers will continue to sprinkle across southeast Queensland during the weekend and into next week. Thunderstorms are also expected in inland parts of the state, including west of Toowoomba, in the coming days http://www.couriermail.com.au	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
						u/news/features/queensland-to-expect-more-wet-weather-for-next-several-days/story-e6frer0f-1225941425791	
Fri 22 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan. All currently deployed AUSMAT members will return to Australia on Saturday 23 October, with the Queensland members arriving in Brisbane on Sunday 24 October.	Flood Warnings are current for the following rivers: Barcoo River and Cooper Creek: Minor to moderate flooding continues along the Barcoo River between Isisford and Glenlock. Moderate flooding continues to rise on the Cooper Creek at Windorah. Lower Macintyre River: Minor flooding continues to ease along the lower Macintyre River between Kildonan and Goondiwindi. Moderate flood levels are rising further downstream at Terrewah, with major flooding expected Condamine and Balonne Rivers: Minor flooding has commenced to slowly ease on the upper Condamine River at Loudoun Bridge. River levels continue to slowly rise further downstream to Chinchilla and Cotswold. Minor to moderate flooding extends along the Balonne River between Warkon and Weribone, where the flood peak is downstream from Weribone. A moderate flood peak is expected at St George.	Bucklands TM (nr Innisfail) 122mm Clyde Rd Alert (nr Innisfail) 116mm Saltwater Creek Alert(nr Innisfail) 85mm Innisfail Warf 74mm Mona Mona Alert (North Cairns) 66mm	38 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Sat 23 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All currently deployed AUSMAT members will return to Australia on Saturday 23 October, with the Queensland members arriving in Brisbane on Sunday 24 October.</p>	<p>Flood Warnings are current for the following rivers:</p> <p>Barcoo River and Cooper Creek: Minor to moderate flooding continues along the Barcoo River between Isisford and Retreat. Moderate flooding continues to rise in the Cooper Creek at Windorah.</p> <p>Lower Macintyre River: Major flood levels continue to rise in the lower Macintyre River at Terrewah, with minor flooding easing in the Goondiwindi area. Minor flooding continues in the lower Weir River between Jericho and Mascot.</p> <p>Condamine and Balonne Rivers: Minor to moderate flooding is easing along the Balonne River between Surat and St George. Minor flood levels continue to slowly rise further downstream on the Culgoa River at Whyenbah, on the Balonne River Minor at Hastings, and on the Narran River at Dirranbandi-Hebel Rd.</p>	<p>Clyde Rd (nr Innisfail) 52mm</p> <p>Corsis (nr Innisfail) 62mm</p>	21 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Sun 24 October	<p>AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.</p> <p>All currently deployed AUSMAT members will return to Australia on Saturday 23 October, with the Queensland members arriving in Brisbane on Sunday 24 October.</p>	<p>Flood Warnings are current for the following rivers:</p> <p>Barcoo River and Cooper Creek: Minor flooding continues along the Barcoo River between Wahroonga and Retreat. Moderate flooding continues in the Cooper Creek at Windorah.</p> <p>Lower Macintyre River: Moderate flood levels are slowly easing in the lower Macintyre River at Terrewah, with minor flooding continuing in the Weir River at Surrey and further downstream between Jericho and Mascot.</p> <p>Condamine and Balonne Rivers: Minor flooding continues along the Balonne River between Surat and St George. Minor flood levels continue further downstream on the Culgoa River at Whyenbah.</p>	No significant rainfall was recorded in Queensland.	15 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p><i>The Courier Mail reports:</i> JUST one cyclone shelter has been built since the State Government promised four years ago to provide safe havens in every community from Cooktown to Bundaberg.</p> <p>With Queensland facing the worst cyclone season in 40 years, The Sunday Mail can reveal that only Innisfail will have a shelter to house evacuees during a Category 5 storm.</p> <p>http://www.couriermail.com.au/news/sunday-mail/hollow-shelter-vow-lifts-queenslands-cyclone-danger/story-e6frep2f-1225942746998</p>	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Mon 25 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan. Verbal advice has been received that all deployed AUSMAT members have returned to Australia.	Flood Warnings are current for the following rivers: Barcoo River and Cooper Creek: Minor to moderate flooding continues along the Barcoo River between Glenlock and Retreat. A return to moderate flood levels should be expected at Retreat this week. Moderate flood levels are falling at Windorah on Cooper Creek. Condamine and Balonne Rivers: Minor flooding continues along the Balonne River between Surat and St George. Minor flood levels continue further downstream on the Culgoa River at Whyenbah.	Eight Mile Plains 53mm Bulimba 64mm Tomewin 55mm Kooralbyn 55mm	46 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Tue 26 October	AUSASSISTPLAN remains activated at phase RED in response to the Pakistan Government's request for international assistance to support and complement the Government's response to the widespread flooding across Pakistan.	A Tsunami - No Threat to Australia Bulletin was issued at 01:07am following a 7.5 magnitude earthquake off western Sumatra, Indonesia. Flood Warnings are current for the following rivers: Barcoo River and Cooper Creek: Minor flooding continues along the Barcoo River between Glenlock and Retreat. Moderate flood levels continue to ease on the Cooper Creek at Windorah. Renewed river rises are occurring along the lower Barcoo River at Wahroongha, with minor flooding at Glenlock and at Retreat. Condamine and Balonne Rivers: Minor flooding continues along the Balonne River between Surat and Weribone. River levels are generally easing downstream from St George, where minor flooding is occurring on the Culgoa River at Whyenbah, on the Balonne River minor at Hastings, and on the Narran River at Dirranbandi-Hebel Rd.	Coolangatta 22mm Beaulesert 19mm	51 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Wed 27 October	The Director General EMA has approved the DEACTIVATION of AUSASSISTPLAN from RED to GREEN in support of the Pakistan floods.	Flood Warnings are current for the following rivers: Barcoo River and Cooper Creek: Minor flooding continues along the Barcoo River between Glenlock and Retreat. Moderate flood levels continue to ease on the Cooper Creek at Windorah. Renewed river rises are occurring along the lower Barcoo River at Wahroongha, with minor flooding at Glenlock and at Retreat. Condamine and Balonne Rivers: Minor flooding continues along the Balonne River between Surat and Weribone. River levels are generally easing downstream from St George, where minor flooding is occurring on the Culgoa River at Whyenbah, on the Balonne River minor at Hastings, and on the Narran River at Dirranbandi-Hebel Rd.	Kalbar 48mm Tallowood 35mm Coolangatta 22mm	23 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Thur 28 October	Nil.	Nil.	No significant rainfall was recorded in Queensland.	24 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Fri 29 October	Nil.	Nil.	Bowen Hills 35mm Alderley Alert 34mm Brisbane City Alert 32mm	48 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Sat 30 October	Nil.	Nil.	No significant rainfall was recorded in Queensland.	41 calls were made to SES 132 500 in the period since 05:00am Friday. Eleven of these were from Brisbane – most requesting sandbags as a precautionary measure in case of future flooding.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<i>The Townsville Bulletin reports:</i> NORTH Queenslanders are used to getting their homes prepared for cyclones, but residents are now warned to prepare their minds as well. Psychological professor Kevin Ronan yesterday told the Bulletin residents could be as physically prepared as possible, but it may not be enough if a cyclone sets its targets on the North. The warning comes as Emergency Management Queensland yesterday urged	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES/32 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
						<p>North Queenslanders to ensure they have prepared and practised an emergency plan in time for storm season.</p> <p>http://www.townsvillebulletin.com.au/article/2010/10/30/181241_news.html</p> <p><i>The Cairns Post reports:</i> COPPERLODE Dam is spilling over before the official start of the wet season, for the first time in 34 years.</p> <p>Wayne Coutts, the regional director of Far North Queensland State Emergency Service, said the dam was still well short of the about 2m mark over the spillway before evacuations started to be considered for houses in nearby suburbs.</p> <p>http://www.cairns.com.au/article/2010/10/29/132675_local-news.html</p>	
Sun 31 October	Nil.	Nil.	No significant rainfall was recorded in Queensland.	15 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<p><i>The Courier Mail reports:</i> IT'S the Queensland helicopter rescue team without a chopper. Mount Isa-based North Queensland Helicopter Rescue Service has major donors waiting in the wings, a State Government promise to provide paramedics, a community wanting help and a pilot.</p> <p>Queensland Health would not say why it would not fund the helicopter but tried to suggest the group had not met guidelines for community-based helicopters. But a letter shows Emergency Services Minister Neil Roberts earlier this year approved the group's proposed helicopter configuration as an aeromedical service.</p>	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
						http://www.couriermail.com.au/news/sunday-mail/helicopter-rescue-team-has-no-chopper/story-e6frep2f-1225945595551	
Date	Significant Events	Weather Warnings	Significant Rainfall	SES 132 500 Calls	DM System Activation Status	Media	Flood Related Deaths
Mon 1 November	Nil	Strong Wind Warning for Southeast Gulf Waters S/SE winds 25/30 knots during Monday morning. Seas rising to 2.5 metres.	No significant rainfall was recorded in Queensland.	10 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Tue 2 November	Nil	Strong Wind Warning for Southeast Gulf Waters S/SE winds 25/30 knots during Monday morning. Seas rising to 2.5 metres.	No significant rainfall.	10 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Wed 3 November	Nil.	Nil.	Poverty Hill (nr Ingham) 91mm Halifax (E of Ingham) 61mm Clare (W of Ayr) 44mm	12 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Thur 4 November	Nil.	Nil.	Powerline (W of Ayr) 105mm Clare (W of Ayr) 96mm Ayr 81mm Giru 76mm Stuart 61mm Poverty Hill (nr Ingham) 77mm	22 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Fri 5 November	Nil.	Nil.	Meridian Way (nr Maroochydore) 71mm Lake Coorobah (nr Noosa) 58mm Holland Park West 50mm Weipa 62mm Lockhart River 50mm	38 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Sat 6 November	Nil.	Nil.	No significant rainfall was recorded in Queensland.	22 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Sun 7 November	Nil.	Nil.	Lockhart River 50mm Horn Island 26mm	15 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Mon 8 November	Nil.	Nil.	Weipa AP 53mm Scherger RAAF (near Weipa) 67mm Dulhunty TM (near Weipa)	12 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
			52mm Horn Island 45mm Lundavra TM (East of St George) 36mm				
Tue 9 November	Nil.	Nil.	Bundaberg 30mm Pacific Haven 20mm	20 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Wed 10 November	Nil.	Nil.	Makowata (near Gladstone) 51mm Rosedale 36mm Hamilton Island 33mm Alva Beach 29mm	19 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Thur 11 November	Nil.	Nil.	Clarke Range (W of Mackay) 127mm Hamilton Island 98mm Proserpine Airport 78mm	26 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<p><i>ABC News Online reports:</i> Climate Change Minister Kate Jones says recent severe weather events in Queensland are a stark reminder of the need for local councils to have accurate risk-planning information. She released the Inland Flooding Study on the Gold Coast. http://www.abc.net.au/news/stories/2010/11/10/3062810.htm</p> <p><i>The Gold Coast Bulletin reports:</i> THE Gold Coast State Emergency Service has been recognised for their response to the February floods. The team took out the Regional Unit of the Year award as part of SES Week celebrations last night.</p> <p>EMQ South Eastern Regional Director Eddle Bennet praised the team for their response to the extensive flooding. http://www.goldcoast.com.au/article/2010/11/11/270001_gold-coast-news.html</p>	Nil.
Fri 12 November	Nil.	Nil.	Cungulla (SE of Townsville) 130mm Major Creek (S of Townsville) 76mm Nelly Bay (Magnetic Island) 63mm Pallarenda (N of Townsville) 51mm	23 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
			Winton 52mm				
Sat 13 November	Nil.	Nil.	Upper Bogie (SW of Bowen) 108mm Mt Pleasant (SW of Bowen) 100mm Proserpine 63mm Gargett (W of Mackay) 76mm Sandy Creek Bridge (nr Clermont) 84mm Clermont 62mm Upper Major Creek (SE of Townsville) 89mm Powerline (SE of Townsville) 70mm Lucinda (NE of Ingham) 98mm Nerada (E of Innisfail) 77mm	22 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<i>The Gold Coast Bulletin</i> reports: TOURISM operators from across the Gold Coast have met to discuss formulating response plans to deal with disasters ranging from flooding and heavy rain, to earthquakes and tsunamis. With wild summer weather predicted, 18 operators took advantage of the workshop which dealt with crisis response plans and ways of getting businesses back on track following a major disaster. http://www.goldcoast.com.au/article/2010/11/13/270501_gold-coast-news.html	Nil.
Sun 14 November	Nil	Nil currently in effect. Six Severe Thunderstorm Warnings were issued between 03.31pm Saturday and 01.21am Sunday for parts of the Northwest, Central West, Channel Country and Maranoa and Warrego Forecast Districts, warning of damaging winds, flash flooding and large hailstones.	Lucinda 116mm Halifax 98mm Ballera Gasfield (SW of Windorah) 72mm South Mission Beach Alert 71mm Gairloch 71mm Upper Major Creek (Townsville) 53mm Donnington Airpark (Townsville) 50mm	19 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<i>ABC North Queensland reports:</i> A Townsville State Emergency Service volunteer of more than 30 years says north Queenslanders have become complacent about cyclone preparation. The SES is encouraging North Queenslanders to attend the Emergency Expo on Sunday to ensure they are fully briefed on how to prepare before any cyclones hit. The Cyclone Sunday Emergency Expo will be held in Strand Park (Townsville) this Sunday the 14th of November from 9am until noon. http://www.abc.net.au/local/stories/2010/11/11/3063817.htm?site=northqld	Nil.
Mon 15 November	Nil.	Flood warning issued for the Thomson and Barcoo Rivers.	Bilyana Alert (South of Tully) 110mm Belyando Crossing TM (SE of Burdekin) 90mm Paradise Lagoon Alert (N of Townsville) 83mm Upper Rudd Creek Alert (NW	10 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
			of Townsville) 82mm Tung Oil Alert (Innisfail) 68mm Paluma 56mm				
Tue 16 November	Nil.	Flood warning issued for the Thomson and Barcoo Rivers.	Bengalla TM (Goondiwindi) 60mm Alva Beach (SE of Townsville) 48mm Dumbleton Rocks Alert (Mackay) 40mm Augathella TM 39mm Hamilton Is 30mm	33 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.
Wed 17 November	Nil.	Flood Warnings are current for the following rivers: Thomson and Barcoo Rivers: Some minor flooding is expected between Camoola Park and Jundah on the Thomson River. Levels at Longreach are forecast to peak around minor flood level during Wednesday. Some minor to major flooding is forecast between Isisford and Retreat on the Barcoo River. Paroo River: Moderate flood levels are forecast for Eulo during Tuesday with minor flooding likely between Calwarro and Hungerford later this week. Bulloo River: Minor flood levels are being observed at Adavale. Minor flood levels with further rises possible should be expected at Quilpie during this week.	In the period since 09:00am Tuesday significant rainfall was recorded in the following locations: Kulumur Range Alert (nr Emerald) 116mm Craigmore (nr Emerald) 79mm Mourilyan Mill Alert 73mm South Johnstone 58mm Marco Street Alert (nr Innisfail) 57mm	21 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<i>The Courier Mail reports:</i> South-East Queensland is bracing for storms leading up to the weekend, with a possibility of tropical cyclones hitting this storm season. Bureau of Meteorology senior forecaster Tony Auden has said that Tuesday and Wednesday will be fairly quiet with showers few and far between, but an upper trough will bring in more storms late on Thursday http://www.couriermail.com.au/news/queensland/state-braces-for-a-stormy-week/story-e6f9e00f-1225954509036 <i>Viewnews.com.au reports:</i> Queensland businesses are invited to register for a free State Government webinar Wednesday night on preparing for cyclone, storm and flood season.....The Department of Employment, Economic Development and Innovation is offering the webinar which will help businesses be better prepared against the potential risks that could interrupt business operations in case of disaster. http://viewnews.com.au/bm/news/state-news/be-prepared-cyclone-threat-business-	

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						webinar.shtml?20064 ABC Online and Weatherzone News report: Emergency workers and volunteers in regional Queensland will have easier access to vital equipment this storm season. Emergency Management Queensland (EMQ) regional director Eddie Bennett says the aim is to base supplies closer to staff. EMQ is in the process of stocking a new warehouse at Ormeau on the Gold Coast. http://www.weatherzone.com.au/news/emergency-supplies-for-storm-season-decentralised/15386 http://www.abc.net.au/news/stories/2010/11/16/3067749.htm?site=brisbane Cairns Disaster Coordination Centre Facebook Page reports: Cairns is the first Australian City to nominate for the United Nations International Strategy for Disaster Reduction UNISDR 'Making Cities Resilient' campaign. A visit from a UN Special Representative to launch the campaign in Australia will occur at the end of the month. The benefits of the campaign (from the UN Campaign Deputy Director) are to increase the awareness, knowledge and application of risk reduction locally; "Know more – invest wisely – build safer". http://www.facebook.com/CairnsDCC http://www.preventionweb.net/files/section/230_nominatioformLIVE.pdf	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Thur 18 November	Members of four Far North Queensland SES Groups were placed on stand-by yesterday after a light plane crashed in isolated, dense rainforest about 20km southwest of Mount Coleridge, near Innisfail. The SES crews were later stood down as police were able to reach the scene by themselves. One man suffered serious injuries and remains in a critical condition. The other man suffered minor injuries.	Flood Warnings are current for the following rivers: Thomson and Barcoo Rivers: Minor flooding is occurring between Camoola Park and Stonehenge on the Thomson River. River levels at Longreach are forecast to remain just above the minor flood level during Thursday. Some minor to major flooding is forecast between Isisford and Retreat on the Barcoo River. Paroo River: Moderate flood levels are currently peaking in the upper Paroo River at Eulo with minor flooding likely between Calwarro and Hungerford later this week. Bulloo River: Minor flood levels are easing at Adavale. Bulloo River levels at Thargomindah are expected to reach minor flood overnight Thursday.	In the period since 09:00am Wednesday significant rainfall was recorded in the following locations: Sapphire 80mm Logan Creek (w of Moranbah) 79mm Twin Hills (s of Belyando) 69mm Florence Vale (Gemfields) 69mm West Wolfgang Creek (nr Clermont) 68mm Lake Brown (s of Rolleston) 61mm	26 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<i>The Brisbane Times reports:</i> One man is in critical condition but a second man has only minor injuries after a light plane crashed in far north Queensland. The plane came down in isolated, dense rainforest about 20km southwest of Mount Coleridge, near Innisfail, about 3pm today, police said in a statement http://www.brisbanetimes.com.au/queensland/two-survive-fnq-plane-crash-20101117-17xmc.html <i>ABC North Queensland reports:</i> An online forum was held last night to encourage local businesses in Queensland to develop cyclone preparation plans. http://www.abc.net.au/news/stories/2010/11/17/3068506.htm?site=northqld&section=news	
Fri 19 November	A Severe Weather Warning was issued on Thursday after 76mm of rain fell in the Caboolture area within an hour. Four jobs were completed by Moreton Bay SES following this rain. A Severe Thunderstorm Warning was issued for parts of Central and South West Regions. Two jobs were reported as completed by SES as a result, sandbagging and temporary roof repairs. RACQ has reported road closures in the vicinity of Nebo and Ravenswood as a result of the heavy rain in the region; this rain has eased overnight.	Flood Warnings are current for the following rivers: Thomson and Barcoo Rivers: Minor flooding is occurring between Camoola Park and Stonehenge on the Thomson River. River levels at Longreach are forecast to remain just above minor flood level. Some minor to moderate flooding is forecast between Isisford and Retreat on the Barcoo River. Paroo River: Minor flooding is easing in the Paroo River at Eulo with minor flooding rising further downstream at Calwarro. River level rises and minor flooding is forecast for Hungerford going into the weekend. Bulloo River: Minor flood levels in the Adavale area are easing with minor flooding occurring between Quilpie and Autumnvale. Minor flooding is expected in	Paradise Lagoon (n of Townsville) 167mm Rowallen Park (n of Mackay) 127mm Gooseponds Alert (Mackay) 118mm Mackay Alert 114mm Mackay 107mm Caboolture 108mm Guthalunga (nr Bowen) 88mm Halifax Alert 73mm	53 calls.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<i>Weatherzone News (via Facebook) reports:</i> Four hours of non-stop rain dumped more than 100 millimetres on Mackay yesterday, making it their wettest November day in 10 years. The rain was a result of a slow-moving low pressure trough which also brought 84mm to Mt Douglas and 48mm to Moranbah on the Central Highlands on Wednesday night. Moranbah's 48mm is a six-year high for November. http://www.weatherzone.com.au/news/100-up-for-mackay-in-four-hour-soaking-session/15396 <i>The Courier Mail reports:</i> Brisbane received heavy afternoon showers in places and Weatherzone meteorologist Doug Fenton said "Across Queensland a trough is bringing in a lot of	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
		the Thargomindah area.				instability – more convection, more showers, general strong activity". http://www.couriermail.com.au/news/brisbane-braces-for-afternoon-storms/story-e6fleon6-1225955648035	
Sat 20 November	Nil	Flood Warnings are current for the following rivers: Minor flooding continues to ease on the Paroo River at Eulo with minor flooding rising further downstream at Caiwarro. River level rises and minor flooding is forecast for Hungerford during the weekend. Minor flood levels continue a steady rise on the Bulloo River at Quilpie, with renewed rises and minor flooding expected downstream at Autumnvale during the weekend. River levels at Thargomindah remain just below the minor flood level of 4.0 metres during Friday morning, however further rises are expected during Friday as upstream floodwaters arrive. Minor flooding is occurring between Camoola Park and Jundah on the Thomson River, with small renewed rises and continued minor flooding at Longreach during the weekend. Minor to moderate flooding is occurring along the Barcoo River between Coolagh and Retreat.	Upper springwood 29mm Mirani Weir 62mm Yeppoon 45mm Mackay Alert 31mm Whyanbeel ck 86mm	42 calls were made to SES 132 500 in the period since 05:00am Friday, 3 for Mackay, 5 for Brisbane.	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Sun 21 November	A team of Australian experts has travelled to New Zealand to assist with the rescue of 29 miners trapped underground at the Pike River coal mine. The team includes two gas chemists, a mine gas monitoring expert and a mine ventilation expert from Queensland, along with another six mine rescue experts from New South Wales and a senior technical expert from Emergency Management Australia. At this time there is no request for USAR assistance from Queensland.	<p>A Severe Weather Warning is current for Flash Flooding in the Herbert and Lower Burdekin and far southern parts of the North Tropical Coast districts.</p> <p>Flood Warnings are current for the following rivers:</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Minor flooding is occurring between Camoola Park and Stonehenge on the Thomson River, with small renewed rises likely at Longreach during the weekend. Minor to moderate flooding is occurring along the Barcoo River between Blackall and Retreat. Minor to moderate flooding will continue to slowly rise on Cooper Creek at Windorah during the weekend and into next week.</p> <p>Paroo River: Minor flooding continues to ease on the Paroo River at Eulo. Minor flood levels are expected to peak at Caiwarro during Sunday. Minor flooding at Hungerford is expected to continue rise over the weekend.</p> <p>Bulloo River: Minor flood levels continue to slowly rise on the Bulloo River at Quilpie, with renewed rises and minor flooding likely downstream at Autumnvale during the weekend. River levels at Thargomindah are easing, but renewed rises are likely during the next few days as upstream floodwaters arrive.</p>	<p>Ingham 114mm</p> <p>Gairloch Alert (nr Ingham) 108mm</p> <p>Abergowrie Bridge 96mm</p> <p>Marco Street (nr Innisfail) 90mm</p> <p>Tung Oil Alert (Innisfail) 82mm</p> <p>Nash's Crossing (nr Abergowrie) 82mm</p>	80 calls were made to SES 132 500 in the period since 05:00am Saturday. Of these, 41 were from Mackay.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p><i>Weatherzone News reports:</i> Parts of coastal QLD have now received more than six times their wettest monthly November rainfall totals on record. The trough that brought the heavy rain is lingering just offshore and should bring more heavy downpours today, with coastal areas likely to pick up in excess of 100mm in parts. The trough will slowly move further offshore next week, taking the heaviest rain with it.</p> <p>http://www.weatherzone.com.au/news/rain-rain-and-more-rain-for-parts-of-coastal-qld/15401</p> <p><i>ABC News Online reports:</i> Rescue workers at the collapsed Pike River coal mine have had to call off rescue efforts for the night because of continued high levels of poisonous gases in the mine. A specialist mine rescue team was on standby at the Pike River colliery but would not go underground until tests confirmed there had been no build-up of gases in the wake of the blast, police commander Gary Knowles said.</p> <p>http://www.abc.net.au/news/stories/2010/11/20/3072125.htm</p>	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Mon 22 November	Nil.	<p>A severe thunderstorm warning has been issued for parts of Central West Forecast District.</p> <p>A strong wind warning is current for coastal waters between Cardwell and Cape Moreton, including Hervey Bay. Flood warnings are current for the Bulloo, Paroo, Thomson and Barcoo Rivers.</p>	<p>In the period since 09:00am Sunday significant rainfall was recorded in the following locations:</p> <p>Ridgelands Alert (nr Mackay) 88mm Finch Hatton Alert (nr Mackay) 73mm Rooneys Bridge Alert (nr Townsville) 53mm</p>	<p>39 calls were made to SES 132 500 in the period since 05:00am Sunday. Of these, 8 were from Livingstone.</p>	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p><i>Central Queensland News reported: MACKAY was drying out yesterday after another downpour inundated the city on Saturday, but there are dark clouds on the horizon. The Pioneer Valley wasn't so fortunate, with falls of up to 110mm recorded yesterday and on Saturday, causing minor flooding in some areas. Hamilton Island was also inundated on Saturday, with 120mm falling in six hours, Bureau of Meteorology Brisbane-based forecaster Michelle Berry said, however only 2mm fell there yesterday. The Bureau issued a severe weather warning for the Mackay district on Saturday morning but it was later withdrawn, Ms Berry said. Mackay's November rainfall was already higher than average but residents would not be packing away their raincoats anytime soon, Ms Berry said. Above average monthly rainfall is expected until January. "Mackay has now reached 309mm for November and this figure is well and truly above the average of 86mm," Ms Berry said.</i></p>	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Tue 23 November	Nil.	<p>A Severe Thunderstorm Warning is current for parts of Central West and Channel Country Forecast Districts. Flood Warnings are current for the following rivers: Thomson and Barcoo Rivers and Cooper Creek; Minor flooding continues between Camoola Park and Jundah on the Thomson River. Minor to moderate flooding continues along the Barcoo River between Coolagh and Retreat. Moderate flooding continues on the Cooper Creek at Windorah.</p> <p>Paroo River: Minor flooding continues to ease on the Paroo River at Caiwarro. Minor flooding downstream at Hungerford was expected to reach a peak during Monday.</p> <p>Bulloo River: Moderate flooding on the Bulloo River at Quilpie and minor flooding occurring at Autumnvale. River levels at Thargomindah are expected to exceed minor flood levels within the next few days.</p> <p>Fitzroy River Basin: Minor flood levels continue to ease in the Dawson River at Taroom, with minor flooding rising further downstream in the Baralaba area. Minor flooding continues to rise on the Mackenzie River between Bedford Weir and the Bingegang area. Minor flood levels are being recorded in the Connors River at Pink Lagoon and in the Isaac River at Yatton.</p>	<p>Clarke Range2 Alert (nr Mackay) 102mm</p> <p>Nerada Alert (nr Innisfail) 85mm</p> <p>Corsis Alert (nr Innisfail) 85mm</p>	33 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p><i>The Courier Mail reports:</i> Damaging winds and large hail stones were expected overnight for a large part of western Queensland. Forecaster Tony Wedd said storms covering large areas in the state's west were common this time of year.</p> <p><i>The Brisbane Times reports:</i> The outlook for the first Ashes Test in Brisbane this week remains gloomy with wet weather predicted to trouble the city until the weekend. Light showers are expected to fall every day but residents and cricket fans can expect flashes of sunshine at certain times, meteorologists say.</p>	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Wed 24 November	Nil.	<p>Flood Warnings are current for the following rivers:</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Minor flooding continues between Camoola Park and Jundah on the Thomson River. Minor flooding occurring along the Barcoo River, with major flooding rising at Retreat. Moderate flooding continues on the Cooper Creek at Windorah, with major flooding expected later this week.</p> <p>Paroo River: Minor flooding on the Paroo River at Caiwarro and Hungerford, with renewed rises expected.</p> <p>Bulloo River: Minor flooding is easing along the Bulloo River at Adavale and Quilpie. River rises continue downstream from Quilpie, with minor flooding at Autumnvale. River levels at Thargomindah are expected to exceed minor flood level During Wednesday.</p> <p>Fitzroy River Basin: Moderate flood levels expected at Pink Lagoon and Yatton on the Connors/Isaac Rivers. Minor flooding forecast between Yakcam and Bingegang on the Mackenzie River and along the Dawson River between Moura and Newlands during this week.</p> <p>Warrego River Basin: Moderate flood levels occurring at Oakpark on the Ward River. Rises expected downstream to Binnowie where at least minor flood levels are expected this week. On lower Warrego river between Bakers Bend and Cunnamulla, minor flooding is expected late this week. River level rises are also expected along the Langlo River.</p>	<p>Barcaldine Weir 178mm</p> <p>Mackay 101mm</p> <p>Gooseponds (Mackay) 92mm</p> <p>Rowallen Park (Mackay) 91mm</p> <p>Tully Alert 85mm</p>	30 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p><i>ABC Western Queensland reports:</i> The weather bureau says it is closely monitoring several inland river systems in Queensland, with more storm rain forecast. Jess Carey from the flood warning centre says "Moderate flooding at Windorah - that's just going continue into next week and maybe into the weekend after that - that's just going to stay around levels similar to what they are at the moment as the water from the Thomson and Barcoo flows downstream.</p> <p><i>Warwick Daily News reports:</i> Weatherzone meteorologist Doug Fenton said Warwick was bucking a state-wide trend, with most areas measuring rain well above their November expectations. But Mr Fenton said a high-pressure system in the Tasman, which had brought the 30-to-40km per hour winds, had also reduced the chance of good rain. "We might see isolated showers over the region during the next week, but we are unlikely to see any major rain events," Mr Fenton said.</p>	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Thur 25 November	Nil.	<p>Flood Warnings are current for the following rivers:</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Fast river level rises are occurring along Aramac Creek and the Alice River. Barcoo River levels continue to rise at Blackall; downstream areas between Coolagh and Retreat should expect further rises as Alice and Barcoo River flood waters converge. Moderate flood levels are occurring at Jundah on the Thomson River and major flood levels should be expected at Windorah over the weekend.</p> <p>Paroo River: Minor flooding continues on the Paroo River at Eulo and Hungerford, with renewed rises possible during the next few days.</p> <p>Bulloo River: River level rises and minor flooding continues in the Autumnvale area with minor flood levels likely at Thargomindah within the next 24 hours.</p> <p>Fitzroy River Basin: Moderate flood levels continue to rise at Yatton on the Isaac River with minor flooding easing upstream on the Connors River at Pink Lagoon. Minor flooding on the Mackenzie River is easing at Bedford Weir and is continuing to rise at Bingegang Weir. Minor flooding is being recorded along the Dawson River between Moura Weir and Knebworth.</p> <p>Warrego River Basin: Moderate flood levels occurring at Oakpark on the Ward River. Rises expected downstream to Binnowie where at least minor flood levels are expected this week. River level rises are being recorded on the Nive</p>	<p>Jarra Creek (nr Tully) 102mm</p> <p>Bulgum Creek (nr Tully) 82mm</p> <p>Koombooloomba (nr Mt Garnet) 58mm</p>	26 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p><i>Weatherzone News reports:</i> November has seen very few dry days in Queensland. La Nina, inland troughs and a series of Tasman highs are all to blame for the persistent showers. Many parts of the Central Coast have recorded more than 200mm so far this month. Just three dry days this month has brought their running total to 489mm, almost six times the average. With six days to go and more showers forecast, it is looking likely that Mackay will exceed the existing record of 503mm in 2000. http://www.weatherzone.com.au/news/soggy-weather-spaks-queensland/15417</p> <p><i>ABC North Queensland Online reports:</i> Emergency Management Queensland (EMQ) says authorities are well prepared for the summer storm season. EMQ's Wayne Preedy says local disaster management groups have been meeting over the past few months to finalise their plans. http://www.abc.net.au/news/stories/2010/11/24/3075256.htm?site=northqld&section=news&date=(none)</p> <p><i>Fraser Coast Chronicle reports:</i> Wild, wet and windy weather is set to continue for at least a few more days according to the Bureau of Meteorology. High winds are forecast to continue at least through to Friday with coastal showers and overcast conditions expected to remain into the weekend. http://www.frasercoastchronicle.com.au/story/2010/11/24/wild-wet-and-windy-weather-is-set-to-continue-for/</p>	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
		<p>River in the Drensmaine area. Downstream in the Biddenham area minor flood levels have peaked with further rises expected as upstream floodwaters arrive. River levels in the Warrego River at The 27 Mile Garden will continue rising with minor flooding expected overnight Wednesday. River levels at Charleville are expected to remain below the minor flood level. Downstream along the lower Warrego river between Bakers Bend and Cunnamulla, some minor flooding is expected through the weekend and into next week.</p>					

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Fri 26 November	Nil.	<p>Flood Warnings are current for the following rivers:</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Fast river level rises continue along Aramac Creek and the Alice River. Barcoo River levels continue to rise at Coolagah; downstream areas between Isisford and Retreat should expect further rises with some moderate flood levels likely. Moderate flood levels are occurring at Jundah on the Thomson River and creek levels of at least 5.5 metres should be expected at Windorah over the weekend.</p> <p>Paroo River: Minor flooding continues on the Paroo River at Caiwarro and at Hungerford, with renewed rises possible during the next few days.</p> <p>Bulloo River: Moderate flooding is occurring on the Blackwater Creek at Adavale. River levels at Quilpie are expected to rise again to around 5 metres over the weekend. Minor flooding continues on the Bulloo River at Autumnvale and at Thargomindah. A further increase in river levels should be expected next week to around 4.5 metres at Thargomindah.</p> <p>Fitzroy River Basin: A moderate flood peak of 10.5 metres is currently in the Yatton area. River levels will continue to fall during Friday. River levels continue to rise between Moura and Knebworth. Minor flood levels will persist into the weekend.</p> <p>Warrego River Basin: Moderate flood levels are occurring in the Ward River at Oakpark and in the Langlo River at Warilda. Further</p>	<p>Clyde Road (N of Innisfail) 92mm</p> <p>Topaz (W of Innisfail) 88mm</p> <p>Nash's Crossing (NW of Ingham) 53mm</p>	18 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 32,500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood-Related Deaths
		<p>risers are possible. Along the lower Warrego river between Bakers Bend and Wallen, minor flood levels are forecast through the weekend and next week with moderate flood levels possible at Cunnamulla and Rocky.</p>					

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Sat 27 November	Nil.	<p>Flood Warnings are current for the following rivers:</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Thomson River Significant flooding is occurring along Aramac Creek and Tributaries. At Camoola Park on the Thomson River, levels are likely to rise further this weekend. Predictions for Longreach will be made once upstream peaks have been observed. Alice River Flooding is continuing between Barcaldine and the Barcoo River confluence. Barcoo River Flood levels continue to rise at Coolagah where the level at 1pm Thursday was 6.6 metres and rising. Minor to moderate flooding continues between Isisford and Glenlock. Flood levels at Isisford are expected to reach 7 metres during the weekend with major flooding. Further rises above 7 metres are possible.</p> <p>Paroo River: Minor flooding continues on the Paroo River at Eulo, Caiwarro and at Hungerford. Any renewed rises are likely to remain at minor flood levels. At 6am Thursday the river level at Hungerford was 1.2 metres and falling.</p> <p>Bulloo River: River levels have fallen to minor flood levels on the Blackwater Creek at Adavale and are expected to continue falling. Minor flooding is occurring on the Bulloo River at Quilpie and expected to continue rising over the weekend to a level of around 5 metres.</p> <p>Fitzroy River Basin: Minor flooding continues to fall on the Issac River in the Yatton area. Mackenzie River At Bingegang, minor flooding continues to fall and is</p>	<p>Clyde Road (N of Innisfail) 215mm</p> <p>Bucklands TM (nr Innisfail) 173mm</p> <p>Saltwater Creek Alert (nr Innisfail) 112mm</p> <p>Innisfail 95mm</p>	25 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	Nil.	Nil.

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		<p>expected to fall below minor flood level during the weekend. Dawson River Minor flooding continues to fall on the Dawson River between Baralaba and Knebworth. Minor flood levels will persist into the weekend.</p> <p>Warrego River Basin: Moderate flood levels are continuing to rise in the Ward River at Oakpark and in the Langlo River at Warilda. At Binnowee, minor flood levels will be reached during Friday. Further river level rises to moderate flood levels are possible early next week. Along the lower Warrego river between Bakers Bend and Wallen, minor flood levels are forecast through the weekend and next week with moderate flood levels possible at Cunnamulla and Rocky late next week.</p>					

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Sun 28 November	Nil.	<p>Flood Warnings are current for the following rivers:</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Major flood levels continue along the Barcoo River at Coolagh. Downstream areas between Isisford and Retreat should expect rises with some major to moderate flood levels expected in the next 7 days. Cooper Creek at Windorah will rise again late next week as Barcoo River flood waters arrive. Flooding is continuing on the Alice River between Barcaldine and the Barcoo River confluence.</p> <p>Bulloo River: Minor flooding will continue to ease at Adavale. Minor flooding is occurring on the Bulloo River at Quilpie and is expected to continue rising over the weekend. Minor flooding continues to rise at Autumnvale and Thargomindah.</p> <p>Warrego River Basin: Major flood levels have developed in the Langlo River at Warilda. Moderate flood levels continue along the Ward River at Oak Park, and at Binnowie minor flood levels are occurring. On the Nive River at Biddenham and along the Warrego River at The 27 Mile Garden minor flood levels will continue through the weekend, while river levels at Charleville will remain below minor flood level. Along the lower Warrego River between Bakers Bend and Wallen, minor flood levels are forecast through the weekend and next week with moderate flood levels possible at Cunnamulla and Rocky late next week.</p>	<p>Scherger RAAF 65mm</p> <p>Blackall 51mm</p> <p>Koolalah (nr Kowanyama) 38mm</p> <p>The Monument (nr Boulia) 34mm</p> <p>Retreat (nr Windorah) 31mm</p>	15 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p>ABC Capricornia reports: It looks to be a wet, wet, wet summer for Queensland, as forecasters predict above average rainfall for the next few months. Long range weather forecaster Hayden Walker says we can expect extra rainfall well into next year. "We're looking at good to heavy rains from December right through to March so when I say good to heavy, it looks like we're going back to our old cycles," he says. "Floods can be expected right across Queensland."</p> <p>http://www.abc.net.au/local/stories/2010/11/26/3077277.htm</p> <p>The Courier Mail reports: Brisbane is on target to set a new weather record - the first spring without one day over 30 degrees. Records back to 1840 show Brisbane has never made it through spring without at least one day over 30C and, two days out from summer, Canberra is the only other Australian capital to fall shy of the mark this year. Weatherzone meteorologist Brett Dutschke said it took 88 days of spring in 1908 for Brisbane to break the 30C mark on November 27. "Brisbane is often one of the last places to really warm up after winter but it is really unusual not to get at least one day over 30," Mr Dutschke said.</p> <p>http://www.couriermail.com.au/news/queensland/spring-fails-to-hit-mark-as-temperature-records-tumble/story-e6freool-1225962065554</p>	Nil.

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Mon 29 November	Nil.	<p>Flood Warnings are current for the following rivers:</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Major flood levels continue along the Barcoo River between Coolagh and Wahroonga and should be expected at Glenlock and Retreat with significant major flood levels in the next 5 days. Moderate flooding is occurring at Jundah along the Thomson River. Windorah should expect Cooper Creek levels to rise and fall through the week with moderate to major flood levels.</p> <p>Bulloo River: Minor flooding continues to rise on the Bulloo River at Autumnvale and at Thargomindah. River levels should be expected to rise to around 4.5 metres at Thargomindah later this week.</p> <p>Warrego River Basin: Minor flood levels are rising at Bakers Bend with further rises and minor flooding expected downstream to Wallen during this week. Moderate flood levels are possible further downstream at Cunnamulla and Rocky later this week.</p>	<p>Halifax (E of Ingham) 111mm</p> <p>Lucinda (E of Ingham) 97mm</p> <p>Bulgun Creek (NW of Tully) 68mm</p> <p>McKell Road (W of Innisfail) 63mm</p>	15 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	Nil.	Nil.

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hrs previous day)	SES 132,500 Calls (since 0500hrs previous day)	DM System Activation Status	Media	Flood Related Deaths
Tue 30 November	Nil.	<p>Flood Warnings are current for the following rivers:</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Major flood levels continue along the Barcoo River between Coolagh and Wahroonga and should be expected at Glenlock and Retreat with significant major flood levels this week. Moderate flooding is occurring at Stonehenge and Jundah along the Thomson River. Windorah should expect Cooper Creek levels to rise and fall through the week with moderate to major flood levels.</p> <p>Bulloo River: Major flooding continues at Quilpie with the Bulloo River expected to decrease to moderate flood levels during the next 36 hours.</p> <p>Warrego River Basin: A return to minor flooding should be expected at The 27 Mile Garden today with a peak of about 2.8 metres expected. River levels at Charleville are expected to remain below minor flood level. Moderate flooding is forecast downstream at Cunnamulla with minor flooding at Rocky late this week.</p>	<p>Katrina Downs (SE of Emerald) 112mm</p> <p>Humboldt (SE of Emerald) 104mm</p> <p>Westgrove (N of Roma) 84mm</p> <p>Brandon (NW of Ayr) 76mm</p> <p>Rita Island (W of Ayr) 66mm</p> <p>Hamilton Island 83mm</p> <p>Mackay 63mm</p> <p>Blenheim (W of Mackay) 81mm</p> <p>Herberton (Atherton Tablelands) 66mm</p> <p>Bucklands (N of Innisfail) 83mm</p>	29 calls.	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	Nil.	<p>November 30, 2010 – Dysart. A 55 year old woman drowned when her vehicle was submerged at Downs Creek, on Golden Mile Road, between Dysart and Middlemount. The woman telephoned Triple-0 after her vehicle became stuck but the four-wheel drive was already swamped when rescuers arrived at the scene.</p>

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Wed 1 December	Middlemount SES were involved in a search on Tuesday for a woman believed to be trapped in her submerged car, south-west of Mackay. The search will resume on Wednesday morning.	<p>Thomson and Barcoo Rivers and Cooper Creek: Major flood levels continue along the Barcoo River between Isisford and Wahroonga and should be expected at Glenlock. Moderate flooding is occurring at Stonehenge and Jundah along the Thomson River. Windorah should expect Cooper Creek levels to rise and fall through this week with moderate to major flood levels.</p> <p>Bulloo River: Minor flood levels at Autumnvale with increase through the week with a moderate flood peak expected into the weekend. At Thargomindah, moderate flood levels should be expected during the weekend.</p> <p>Warrego River Basin: In the Nive River at Biddenham minor flood levels are expected to continue into Thursday. River levels at Charleville are expected to remain below minor flood level. At Binnowee, minor flood levels are falling but will continue for the rest of this week. River levels are steady at Bakers Bend and will fall gradually this week. Moderate flooding is forecast downstream at Cunnamulla with minor flooding at Rocky late this week.</p>	<p>Mackay 101mm Middlemount 100mm Eaglefield (Bowen) 95mm Rowallen Park 93mm Gooseponds Alert 92mm Bingegang (Emerald) 89mm Bowen Pump Station 87mm</p>	28 calls	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p><i>The Courier Mail reports:</i> Brisbane is expected to usher in summer today with more wet weather, much the same as it ended spring. The capital has recorded its wettest spring since 1972 and its first without a day over 30C. Eastern seaboard falls of up to 50mm loom and more flooding is tipped for Queensland's southwest, NSW and Victoria. Wivenhoe Dam managers may be forced to open flood gates, giving the Brisbane River its second welcome flush in less than two months. http://www.couriermail.com.au/news/queensland/brisbanes-summer-looks-set-to-be-a-very-wet-season/story-e6freoof-1225963523645</p> <p><i>ABC Online reports:</i> Authorities hold grave concerns for a missing woman after they found a car submerged in a flooded creek in central Queensland. The woman made an emergency call around 10am (AEST) saying her car was caught in flood waters near Dysart. Swift water rescue crews have not been able to reach the car and searchers have failed to locate the woman. http://www.abc.net.au/news/stories/2010/11/30/3080716.htm</p>	Nil

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Thu 2 December	Nil expected from over night rain as it eased throughout the night with no significant rain recorded in the Brisbane area, No anticipated road closures at this stage.	Thomson and Barcoo Rivers and Cooper Creek: Major flood levels continue along the Barcoo River between Isisford and Retreat. Moderate flooding is occurring at Stonehenge and Jundah along the Thomson River. Windorah should expect Cooper Creek levels to reach around 5.5 metres into the weekend. Bulloo River: Moderate flooding is easing in the Bulloo River between Quilpie and South Comongin. River levels are expected to continue falling into the weekend. Warrego River Basin: In the Nive River at Biddenham minor flood levels are expected to continue easing into Thursday. Minor flood levels at The 27 Mile Garden are currently easing following a peak overnight at 2.71 metres. River levels at Charleville are expected to remain below minor flood level.	Mackay 144mm Middlemount 100mm Koonandah (Bowen) 139mm Upper Springbrook 61mm Tallebudgera 46mm	79 calls	SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.	<i>The Courier Mail reports:</i> WHILE the rain in the southeast should ease to showers today, don't put the umbrella away just yet. http://www.couriermail.com.au/news/features/wet-conditions-persist-in-southeast-queensland-as-states-inland-awash/story-e6freorf-1225964189902	Nil

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Fri 3 December	<p>A series of Severe Thunderstorm Warnings have been issued since 2.20pm Thursday, warning of damaging wind, flash flooding, and large hailstones a large part of central and western Queensland, and encompassing EMQ Central, Northern and South West Regions. Roads closed as a result of flooding include Roma - Taroom Road, Jericho - Aramac, and Banana - Bauhinia.</p> <p>In the Gemfields area, SES have been activated overnight by GPS to undertake closure of flooded roads. SES have also undertaken the rescue of a person from a caravan that was half-submerged. A search of the area is being carried out in case anyone else has been caught in the floodwaters. A couple of other flood related jobs are also being attended to by the SES.</p> <p>At 4.30am Friday the Bureau cancelled the Severe Thunderstorm Warning but replaced it with a Severe Weather Warning for flash flooding for people in the Central Highlands and Coalfields, Central Coast, Capricornia and northern Maranoa and Warrego forecast districts. They advise that they expect another 75-100 mm of rain in the Gemfields area during today, and possibly more. The trough is expected to move very slowly eastwards during the day.</p>	<p>Thomson and Barcoo Rivers and Cooper Creek: Major flood levels continue along the Barcoo River between Isisford and Retreat. Moderate flooding continues along the Thomson River between Stonehenge and Jundah. Major flooding continues along the Cooper Creek at Windorah.</p> <p>Bulloo River: Moderate and minor flooding continues to ease along the Bulloo River between Quilpie and South Comongin. River levels are expected to continue falling going into the weekend. Minor flooding continues on the lower Bulloo River at Autumnvale, with river levels forecast reach a moderate flood peak during the weekend. Downstream at Thargomindah, moderate flood levels should be expected into next week.</p> <p>Warrego River Basin: Minor flooding continues to ease in the Nive River above Charleville. Minor flooding continues a slow rise further downstream between Allen and Rocky. Minor flood levels are expected to continue easing along the Nive River at Biddenham. River levels at Charleville are expected to remain below minor flood level. River levels at Bakers Bend continue to ease with renewed rises and a return to minor flood levels possible later this week. River levels at Wyandra will stay below minor this week. Minor flooding continues a slow rise in the Wallen area and downstream through to Rocky, with moderate flooding forecast between Cunnamulla and Rocky going into this weekend and</p>	<p>Green Valley Alert (Alpha) 164mm Bilaboo (Alpha) 179mm Ducabrook (Alpha) 163mm Finch Hatton (Mackay) 161mm Calen (Mackay) 298mm Dows Creek (Mackay) 167mm</p>	48 calls	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p><i>The Courier Mail reports:</i> AUSTRALIA has recorded its wettest spring in 111 years of records as the Weather Bureau warns of heavy rain on Saturday for much of Queensland's southeast. It comes as Great Barrier Reef Marine Park Authority chairman Russell Reichelt raises concerns about the impacts of the wet on the reef. Dr Reichelt said on Thursday that although cloud cover could help keep sea surface temperatures down and reduce bleaching, cyclones and flood run-off could cause damage. http://www.couriermail.com.au/news/features/wettest-spring-in-111-years-puts-damp-start-on-summer/story-e6freorf-1225964768541</p>	<p>December 3, 2010 - Bajool. An 81-year-old man drowned after his utility was swept off a flooded causeway in central Queensland. Alan Kane was trying to cross a creek at Bajool, south-west of Rockhampton, when his utility was washed away by floodwaters.</p>

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Sat 4 December	<p>The trough causing the rain event in central Queensland has now moved away from the coast, and the Severe Weather Warning and Severe Thunderstorm Warning have both been cancelled.</p> <p>Fairburn Dam: It is estimated that water will overflow the spillway to the depth of 2.5 meters by PM Saturday. This will not cut access to Emerald or affect the Nogoa River Bridge.</p> <p>Road Closures: The Department of Transport and Main Roads have advised that they have activated their Road Network Incident Plan. As at 18.30 Friday virtually every road in the vicinity of Emerald was closed. The Capricorn Highway is cut in several places, and the Roma - Taroom Road is also closed.</p>	<p>Thomson and Barcoo Rivers and Cooper Creek: Major flood levels continue along the Barcoo River between Glenlock and Retreat, with the flood peak currently in the Retreat area. Moderate flooding continues along the Thomson River between Stonehenge and Jundah. Major flooding rising on the Cooper Creek at Windorah, during the weekend.</p> <p>Bulloo River: Minor flooding continues to rise on the lower Bulloo River at Autumnvale, with river levels forecast to continue rising throughout this week and reach a moderate flood peak during the weekend. Downstream at Thargomindah, moderate flood levels to should be expected into next week.</p> <p>Paroo River: Minor flooding is occurring in the Eulo area. Further river level rises are possible into the weekend as upstream floodwaters arrive. Minor flooding continues to ease in the Hungerford area.</p> <p>Warrego River Basin: Moderate flood levels should be expected over the weekend at Augathella with further rises possible. Sharp rises have occurred along Hoganthulla Creek at Wetlands and at Lochinvar along the Warrego River with minor to moderate flood levels. River level rises should be expected at Augathella during Saturday with moderate river levels forecast over the weekend. Minor flood levels are expected to continue falling along the Nive River at Biddenham. River levels at Charleville are expected to rise over the weekend.</p> <p>FFitzroy River Basin:</p>	<p>Samuel Hill (Rockhampton) 116mm</p> <p>Yeppoon 104mm</p> <p>South Yaamba (Rockhampton) 97mm</p>	<p>389 calls were made to SES 132 500 in the period since 05.00am Friday.</p> <ul style="list-style-type: none"> Rockhampton/Fitzroy 82 Mackay 82 Livingstone 62 Emerald 48 	<p>SDCC: Not Activated.</p> <p>DDMG: Nil Activated.</p> <p>LDMG: Nil Activated.</p>	<p><i>The Courier Mail reports:</i> Central Queensland emergency crews are bracing for a busy weekend after torrential rainfall wreaked havoc in the region today. A flood warning is current for the Fitzroy River and the rain is expected to continue over the weekend. The calls for help started in the early hours of this morning as more than 200 millimeters of rain fell on the central highlands. Homes were inundated, a caravan park was evacuated and a number of mining operations ground to a halt.</p> <p>http://www.abc.net.au/news/stories/2010/12/03/3084363.htm</p> <p><i>The Courier Mail reports:</i> The heavy rain that hit Queensland's inland yesterday could turn south today and drench the southeast. The wet, which has cut a swath through the Central Highlands, flooding homes in the Emerald district, is odds-on to make our first weekend of summer a wet one. Central Highlands Regional Council Mayor Peter Maguire said council staff were monitoring the situation (around Emerald) overnight, including Fairbairn Dam. "We're expecting it to go about 2.5m over the spillway, which won't cause anyone any big dramas," Cr Maguire said. He said roads to the east and south remained closed last night. The Gregory Highway heading north had reopened.</p> <p>http://www.couriermail.com.au/news/features/southeast-queensland-to-cop-drenching-after-inland-of-state-flooded/story-e6ftrorf-1225965413951</p>	Nil

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		<p>Moderate flood levels should be expected through the Connors/Isaac catchment over the weekend. On the Comet River, major flood levels will continue at Comet Weir over the weekend. Areas along the Mackenzie and Dawson Rivers should expect minor to moderate flood levels during the next 7 days.</p> <p>Don River: River level rises and minor flooding have been observed at Mt Dangar and Reeves. River rises were expected to continue at the Bowen Pump Station on Friday evening with minor flooding, before receding overnight.</p>				<p>ABC Online reports: Emergency services in central Queensland say a car driven by an elderly man has submerged in a flooded creek after being swept off a flooded causeway. The SES responded to more than 100 calls for help in the Rockhampton area on Friday. Between 50 and 100 millimeters of rain fell across the area, cutting a number of roads. Local SES controller Edward Cowie says most of the calls related to flooding and fallen trees http://www.abc.net.au/news/stories/2010/12/03/3084521.htm</p> <p>Weatherzone.com.au reports: Queenslanders face another day of rain and storms as a semi-stagnant trough continues to menace the Sunshine State. The last few months have seen La Nina dig its heels in and send a barrage of moisture over the east of Australia. Queensland stands on the front line of this onslaught, which has led to relentless storms and heavy rainfall. The last few days have been no exception. The east coast, the forward defense of the front line, has been particularly hard hit in the last few days. Mackay Airport was drenched in the last 24 hours as 132mm fell. That's around 23mm more than the average monthly rainfall, in just one day. http://www.weatherzone.com.au/news/queensland-awash/15493</p>	

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Sun 5 December	<p>The trough causing the rain event in central Queensland has now moved away from the coast, and the Severe Weather Warnings and Severe Thunderstorm Warnings have been cancelled.</p> <p>9 people were evacuated from a farm house near the township of Comet. The Emerald SES flood boat made 2 trips to evacuate 8 adults, 1 child and 3 dogs. The 8 people were transported to Emerald and will stay with family and friends. One man is staying at the Comet hotel. The evacuation started at 1400 and finished at 2030. Emu Park School has 15 students stranded at Fairburn Dam education centre, 3 students require medication, and 1 will need resupply of medication by Monday. Mr Bill Wilkinson from Central Highlands Regional Council (CHRC) has confirmed the students are ok and have road access to Emerald. The hospital has been asked to contact the principal today regarding the medication required. The CHRC has been in contact with the DDC for the area re a possible resupply for Emerald. Further discussions will be held today and the situation assessed.</p> <p>Fairbairn Dam: Water is currently overflowing the spillway by 1.71 meters and steady. This will not cause inundation to Emerald or affect the Nogoa River Bridge.</p> <p>At Taroom the roads to Roma, Injune and the highway north are all closed. The SES group is OK and</p>	<p>Thomson and Barcoo Rivers and Cooper Creek: Moderate to major flood levels continue in the Barcoo River between Isisford and Retreat. Moderate flooding continues along the Thomson River between Stonehenge and Jundah. Major flooding is rising on the Cooper Creek at Windorah, with flood levels forecast to reach around 5.7 to 6.0 metres during the weekend. Rainfall has generally eased throughout the Thomson and Barcoo Rivers and Cooper Creek catchment.</p> <p>Bulloo River: Minor flood levels continue to rise between Autumnvale and Thargomindah with moderate flood levels likely during the weekend.</p> <p>Paroo River: River level rises and moderate flooding continue in the Paroo River at Eulo. Further river level rises are possible during the weekend. Minor to moderate flood levels are likely downstream between Caiwarro and Hungerford throughout next week.</p> <p>Warrego River Basin: Moderate flooding continues to rise at Augathella with minor flood levels forecast for Charleville early next week. Moderate flood levels are easing at Cunnamulla Weir following a peak recorded early Saturday morning. River level rises causing moderate flooding are being recorded in the upper Warrego River at Augathella. River levels at Charleville are expected to commence rising over the weekend. The river level is expected to exceed 4 metres early next week causing only minor flooding at Charleville.</p>	<p>Oakey 65mm Dalby 52mm Wilson's Peak (Warwick) 68mm Springbrook 75mm Moy Pocket (nr Kenilworth) 76mm</p>	<p>125 calls were made to SES 132 500 in the period since 05.00am Saturday.</p> <ul style="list-style-type: none"> Toowoomba 21 Brisbane 11 Rockhampton/Fitzroy 9 Emerald 9 	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p><i>ABC News Online reports:</i> The State and Federal governments are under pressure from farming groups to continue drought funding while farmers recover from the floods. Recent flooding has devastated farmers also who, after 10 years of drought, have now seen crops lost to rain. http://www.abc.net.au/news/stories/2010/12/04/3084840.htm</p> <p><i>ABC News Online reports:</i> Police divers have recovered the body of an 81-year-old man whose utility was swept off a flooded causeway in central Queensland on Friday night. Alan Kane was trying to cross a creek at Bajool, south-west of Rockhampton, when his utility was washed away by floodwaters. Police divers and an SES crew found Mr Kane inside his utility about 150 metres downstream. http://www.abc.net.au/news/stories/2010/12/04/3084891.htm</p> <p><i>Weatherzone News reports:</i> Heavy rainfall across eastern Australia this week has caused widespread flooding, rising river levels, and heartbreak for farmers watching their best crops in years inundated. Some of the heaviest rainfall totals include: Yeppoon, on the Capricornia coast, collected 105 mm to 9am this morning, the highest December 24 hour total in at least 11 years. http://www.weatherzone.com.au/news/rain-on-the-horizon-again-for-eastern-australia/15502</p>	Nil

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	<p>ready to assist the community. The Banana shire council disaster management officer Mr Alan Harris has 2 helicopters on standby. One is based at Taroom and the other is located at Theodore.</p> <p>Railways: Mackay-Rockhampton corridor will be closed at least 24 more hours due to major washout. Emerald line still closed till at least Tuesday. Mt Isa line still open to normal traffic.</p> <p>Road Closures: The Department of Transport and Main Roads have advised that they have activated their Road Network Incident Plan. As at 1800hrs Saturday 22 roads were cut in Central Queensland including several sections of the Dawson Highway, the Fitzroy Development Road, and the Gregory, Leichhardt and Capricorn Highways. Virtually every road in the vicinity of Emerald was closed.</p>	<p>Fitzroy River Basin:</p> <p>Moderate flood levels are expected to peak in the lower Connors/Isaac Rivers during the weekend. Major flooding is expected to continue in lower Retreat Creek around Gregory Highway and downstream in the Nogoa River and lower Comet River. River levels will continue rising along the upper Mackenzie River during the weekend and into next week. River rises will continue for the next few days along the Dawson River causing moderate flooding.</p>					

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Mon 6 December	<p>Central Region Flooding:</p> <ul style="list-style-type: none"> The trough causing the rain event in central Queensland has now moved away from the coast. Central region had 9 Jobs called in to the Central Region Duty Officer on Sunday. They were from Emerald, Rocky, Gemfields, Gracemere, Calliope and Rolleston. Jobs were storm damage, Flood boat or traffic control. No jobs for evacuation or resupply were to the Central Region Duty Officer on Sunday. Road Closures around Emerald: Virtually every road is closed. East, North and South highways out of Emerald are currently closed, with the only exception being Gregory Highway (Emerald-Springsure), however, this highway is closed at Springsure in all directions. The Capricorn Highway (Emerald-Alpha) is open to vehicles with a Gross Vehicle Mass of 5 tonne or less. In the fortnight prior to this week, the Emerald district has been experiencing localised heavy falls causing significant infrastructure damage. TMR and QPS briefed truck drivers parked at Caltex in Emerald with current road conditions in the Central Highlands. Currently, 50-60 trucks are 	<p>A Severe Thunderstorm Warning is current for people in parts of the Central Highlands and Coalfields and Capricornia Forecast Districts.</p> <p>Flood Warnings are current for the following rivers:</p> <p>Condamine, Balonne and Maranoa Rivers: Moderate to major flooding will continue along the Maranoa River downstream of the Mitchell area to Beardmore Dam during Monday. Minor to moderate flooding also continues along Bungil Creek in the Roma area.</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Renewed rises and moderate flooding is occurring on the Barcoo River at Coolagah. Moderate to major flood waters continue to ease downstream between Isisford and Retreat, with small renewed rises expected during this week. Moderate flooding continues to ease along the Thomson River between Stonahenge and Jundah. Major flooding is rising on the Cooper Creek at Windorah, with flood levels forecast to reach around 5.7 to 6.0 metres during Monday.</p> <p>Bulloo River: Moderate flooding continues a slow rise at Autumnvale. Minor flooding continues rising slowly downstream at Thargomindah with moderate flood levels expected during the next 24 hours.</p> <p>Paroo River: Moderate flooding continues to rise slowly on the Paroo River at Eulo, with further river level rises possible during the next few days. Further rises causing minor to moderate</p>	<p>Gympie 72mm Mt Tinbeerwah 78mm Molendinar 64mm Town of 1770 55mm Emu Vale (Warwick) 53mm</p>	<p>236 calls were made to SES 132 500 in the period since 05.00am Sunday.</p> <ul style="list-style-type: none"> Redlands 45 Gold Coast 35 Roma 29 Brisbane 28 Emerald 13 Rockhampton 12 	<p>SDCC: Not Activated. DDMG: Nil Activated. LDMG: Nil Activated.</p>	<p><i>ABC News Online reports:</i> Authorities in central and southern Queensland are continuing to monitor swollen rivers and rockslides caused by heavy rain. The State Emergency Service (SES) has been called to about 40 properties in the Wide Bay, Sunshine Coast, Brisbane and Roma areas to help with sandbagging and minor storm damage. http://www.abc.net.au/news/stories/2010/12/05/3085089.htm</p> <p><i>Brisbane Times Online reports:</i> PANIC food buying is threatening to cause problems in the central Queensland town of Emerald as floodwaters sweep across the region, the local mayor says. Central Highlands Regional Council mayor Peter Maguire said yesterday some residents had stocked up at shops out of the fear they could be isolated for several days, if not weeks, after the rail line was washed away, cutting off a major supply route.</p> <p>Cr Maguire said the buy-up had eased after residents awoke to blue skies and sunshine yesterday. "We are waiting for it to subside and hopefully all the roads will be open by Tuesday," he said. http://www.brisbanetimes.com.au/environment/panic-food-buying-after-flood-20101204-18kxh.html</p> <p><i>The Courier Mail reports:</i> THE big wet is about to get bigger, with heavy rain and storms set to pummel the state this week. Falls of up to 160mm closed local roads and highways yesterday, sparking landslides, power outages and forcing</p>	Nil

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	<p>parked up in Emerald at the Caltex Service Station. TMR will brief the drivers again at 4pm Monday if not earlier, depending on if and when roads may open. QT will contact Blackwater Police to provide similar briefing to truck drivers in Blackwater.</p> <ul style="list-style-type: none"> TMR reports: Emerald township is formulating its strategy for restocking of essential items (CHRC LDMG priority). Emphasis on utilising QR supply lines. QR has suffered damage at a number of locations and the line from Rockhampton – Emerald is currently closed, QR expect to have repairs carried out and this link to be operational by Tues am 07/12/2010. Heavy vehicles parked up in Blackwater with fresh produce (not sure of destination) are putting pressure on DTMR to open Capricorn Highway. TMR advice to CHRC LDMG has been to send them back to an alternative location to redistribute their perishables as there is little to no opportunity to have these vehicles come through between Blackwater and Emerald in the next 48 hours. Furthermore there is a 5T GVM load limit on the Capricorn Highway (Emerald-Alpha). TMR also advise that 	<p>flooding are expected through to Hungerford during this week.</p> <p>Warrego River Basin: Moderate flooding is easing on the Warrego River at Augathella. Minor flooding is rising at the 27 Mile Garden with moderate flooding expected during Sunday, which will see a return to minor flood levels at Charleville in the next few days. Minor flooding is easing downstream at Cunnamulla.</p> <p>Fitzroy River Basin: Moderate flood levels are peaking in the lower Connors/Isaac Rivers. Major flooding is expected to continue in the Nogoa River downstream of Emerald and in the Comet River. The Nogoa River at Emerald is expected to peak well below the minor flood level during Tuesday. River levels will continue rising along the upper Mackenzie River from the Comet junction area to Bingegang Weir during this week with major flood peaks similar to those recorded in the 2008 flood. The Dawson River at Taroom peaked during Sunday morning with moderate to major flooding in the area. River rises will continue for the next few days along the Dawson River causing moderate flooding. River rises will continue next week in the Fitzroy River causing moderate flooding in the Yaamba area upstream from Rockhampton.</p>				<p>emergency services to issue numerous safety warnings. http://www.couriermail.com.au/news/queensland-awash-thousands-stranded-and-theres-much-more-to-come/story-e6freon6-1225966052967</p>	

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	<p>there is also significant pressure from growers to move table grapes and citrus produce from the large farms in the Emerald town area.</p> <p>South Western Region</p> <ul style="list-style-type: none"> There are no major concerns in the Roma area. River level peaks have been reached. Only three minor SES jobs were received and completed on Sunday. The Warwick area is being monitored but there are currently no major concerns there. <p>Brisbane Region:</p> <ul style="list-style-type: none"> On Sunday significant rainfall was received in many areas of Brisbane, particularly in the Redlands area. SES jobs included: <ul style="list-style-type: none"> Redlands 29 jobs received and completed, 19 SES members Brisbane 5 jobs received and completed, 11 SES members Moreton 1 job received and completed, 2 SES members No jobs are outstanding 						

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Tue 7 December	<p>Flooding in Central and South Western Regions:</p> <ul style="list-style-type: none"> Two Teleconferences were held on Monday 6 December. The first involved BoM staff, EMQ HQ staff and EMQ Regional Directors; the second an SDCG meeting with teleconference participants including the District Disaster Coordinator, Rockhampton, LDMGs, QPS and EMQ Regional staff. No issues were identified that required state support at this time. All agencies were made aware that existing flood levels may increase rapidly if further rains are experienced in the near future. Regional EMQ staff are preparing for deployments to LDMG's when required. BoM providing local updates to LDMG's. 	<p>A Severe Thunderstorm Warning is current for people in parts of the Gulf Country and Northwest Forecast Districts.</p> <p>Flood Warnings are current for the following rivers:</p> <p>Condamine, Balonne and Maranoa Rivers: Moderate to major flooding will continue along the Maranoa River downstream of the Springfield area to Beardmore Dam during Tuesday. Some minor to moderate flooding is expected along the Upper Condamine River through this week.</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Minor to moderate flooding is occurring along the Barcoo River, with major flooding easing at Retreat. Minor to moderate flooding continues along the Thomson River between Stonehenge and Jundah. Major flooding is nearing a peak on the Cooper Creek at Windorah. Minor to moderate flooding is expected to affect townships downstream from Windorah during the next few weeks.</p> <p>Bulloo River: Moderate flood levels continue to rise in the Bulloo River between Autumnvale and Thargomindah.</p> <p>Paroo River: Moderate flooding is easing in the Paroo River at Eulo, with minor flooding currently rising at Caiwarro. River level rises and minor flooding is being recorded at Hungerford with moderate flooding possible later in the week.</p> <p>Warrego River Basin: Minor flooding is nearing a peak on the upper Warrego River at</p>	<p>Routh River (nr Georgetown) 66mm</p> <p>Stafford Crossing (S of Proserpine) 58mm</p> <p>Ewan Maddock Dam (W of Maroochy) 97mm</p> <p>Coolool 71mm</p> <p>Dayboro 108mm</p> <p>Molendinar (GC) 62mm</p> <p>Springbrook 87mm</p>	<p>219 calls were made to SES 132 500 in the period since 05.00am Monday.</p> <ul style="list-style-type: none"> Maroochy 33 Brisbane 18 Gold Coast 16 Roma 13 Rockhampton 13 	<p>SDCC: - Not Activated.</p> <p>DDMGs: - Nil Activated.</p> <p>LDMGs: - Central Highlands Activated</p> <p>- Roma Activated</p>	<p><i>The Rockhampton Morning Bulletin reports:</i> FLOODING in Rockhampton could reach 2008 levels later this week as the Fitzroy River continued to rise in the wake of heavy rain.</p> <p>The local disaster management committee will meet this morning to gauge the likelihood of parts of Rockhampton being flooded. The Bureau of Meteorology said yesterday that slow river rises would continue at Rockhampton this week and possibly approach the minor flood level of seven metres later in the week.</p> <p>http://www.themorningbulletin.com.au/story/2010/12/06/minor-flooding-level-forecast-for-fitzroy/</p> <p><i>ABC News Online reports:</i> Natural disaster declarations have been issued for nine local government areas in Queensland. Most are in central Queensland and the south-west. The declarations cover the Gladstone, Rockhampton, Central Highlands, Banana, Barcoo, Barcaldine, Lockyer, Blackall and Longreach shire areas.</p> <p>http://www.abc.net.au/news/stories/2010/12/06/3085824.htm</p> <p><i>The Brisbane Times reports:</i> Crop and infrastructure damage from widespread flooding could rival the central Queensland floods of 2008, the state's peak farming body AgForce says. AgForce vice-president Ian Burnett, who flew over the region today, said large tracts of grazing land, dryland farming and irrigated cotton have been affected by</p>	<p>December 7, 2010 - Nebo. A Male drowned after his vehicle disappeared in floodwaters on the Oxford Downs - Sarina Road around 2am after it was driven past a line of other cars waiting for the waters to subside. The crossing is approximately 16 kms from Nebo and was swollen by flood waters.</p>

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		<p>the 27 Mile Garden, with river levels rising downstream at Charleville but expected to remain below the minor flood level of 4 metres. River levels continue to ease along the lower Warrego River downstream from Bakers Bend, with minor to moderate flooding easing at Cunnamulla and Rocky.</p> <p>Fitzroy River Basin: Moderate flood levels are peaking in the lower Connors/Isaac Rivers at Yatton. Major flooding will continue in the Nogoa River downstream of Emerald and in the Comet River today. Major flood levels are expected along the Mackenzie River during this week. River rises will continue this week along the Dawson River causing moderate to major flooding. River rises will continue this week in the Fitzroy River with river levels expected to reach at least the minor flood level of 7 metres at Rockhampton.</p>				<p>torrential rains.</p> <p>http://www.brisbanetimes.com.au/queensland/floods-worst-since-2008-20101206-18mr9.html</p> <p>The Courier Mail reports: THE big wet looks set to continue well into the weekend as Queenslanders face more heavy rain and damaging storms. In ominous signs for parts of central Queensland still reeling from recent drenchings, meteorologists have warned communities could be hit again as the unstable weather system continues its unpredictable lurch across the state.</p> <p>http://www.couriermail.com.au/news/queensland/queensland-big-wet-not-over-yet-as-more-storms-tipped/story-e61reool-1225966665024</p>	

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Wed 8 December	<p>A Severe Thunderstorm Warning was issued at 3.45am Wednesday for damaging winds and flash flooding, for people in parts of the Central West, Channel Country and Maranoa and Warrego Forecast Districts. Blackall received approx 66mm between 3am and 4am Wednesday.</p> <p>Flooding in Central and South Western Regions:</p> <ul style="list-style-type: none"> As at 02.00pm, Tuesday, Central Highlands LDMG reported that Rolleston was still inaccessible by road, and that resupply to isolated properties north of Foley Vale would commence in the next 24-48 hours. No health concerns have been raised as yet, and the council will commence spraying for insects such as mosquitoes when the equipment can be safely deployed. An outreach team is being sent to the Gemfields by the Department of Communities, on Wednesday Rockhampton LDMG are conducting an awareness campaign and doorknocking in areas likely to be affected by the predicted minor flood levels. QR National advised that the rail line between Blackwater and Emerald would re-open on Tuesday afternoon. The Gregory Highway 	<p>Flood Warnings are current for the following rivers:</p> <p>Condamine, Balonne and Maranoa Rivers: Moderate flooding will continue along the Maranoa River downstream of the Springfield area to Beardmore Dam for the next few days. Moderate flooding is being recorded in the Balonne River between Surat and Weribone and in the associated tributaries. Minor to moderate flooding is expected along the Condamine River between Tummaville and Cotswold during this week.</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Minor to moderate flood levels are falling along the Barcoo River, with major flooding easing at Retreat. Minor flood levels continue to fall along the Thomson River between Stonehenge and Jundah. Major flooding peaked on Monday at Windorah.</p> <p>Bulloo River: Moderate flood levels continue to rise in the Bulloo River between Autumnvale and Thargomindah, with renewed rises occurring upstream at Quilpie. Moderate flooding continues to rise slowly at Autumnvale and at Thargomindah.</p> <p>Paroo River: Minor flooding is easing in the Paroo River at Eulo, with minor flooding currently rising at Caiwarro and moderate flooding likely during the next 24 hours. River level rises and minor flooding is being recorded at Hungerford with moderate flooding possible later in the week.</p> <p>Warrego River Basin: River levels on the lower Warrego</p>	<p>Blackall 116mm Lower Springbrook (GC hinterland) 103mm Bowen Downs (NE of Longreach) 60mm Middle Percy Island (off Mackay) 52mm Raceview (Charleville) 51mm Bakers Bend (nr Charleville) 50mm</p>	<p>Gold Coast 35 Brisbane 11</p>	<p>SDCC: - Not Activated. DDMGs: - Nil Activated. LDMGs: - Central Highlands Activated - Roma Activated</p>	<p><i>Brisbane Times reports:</i> Brisbane City Council will continue providing flood data to residents but will leave announcements about dam releases to state authorities, Lord Mayor Campbell Newman said. It also announced it would increase the number of flood warning lights beside flood-prone creeks. There are now three flood warning lights, at Shaw Road, Woolloowin, Marshall Road, Rocklea, and Zillman Waterholes, Virginia. http://www.brisbanetimes.com.au/queensland/newman-resolute-over-flood-warning-20101207-18nww.html</p> <p><i>ABC Online reports:</i> SES crews are still searching for a car that was swept into flood waters at Denison Creek at Nebo, west of Mackay at about 2am (AEST) yesterday. Police divers will use sonar equipment when they search the creek today. http://www.abc.net.au/news/stories/2010/12/07/3087291.htm</p> <p><i>ABC Online reports:</i> The Mayor of Rockhampton in central Queensland, Brad Carter, says council officers will door knock houses in low-lying areas of the central Queensland city this afternoon to warn them about flooding levels expected later this week. He says officers will also mark previous flood levels on telephone poles, so residents know what to expect when the water reaches the city. http://www.abc.net.au/news/stories/2010/12/07/3086991.htm</p> <p><i>7 News reports:</i> A council in central western Queensland that has been declared under</p>	<p>December 8, 2010 – Yandina (Sunshine Coast). A 15 year old boy drowned after he jumped into swift flowing waters at Wappa Falls.</p>

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	<p>between Emerald and Capella, and the Capricorn Highway between Emerald and Blackwater have been reopened.</p> <ul style="list-style-type: none"> The Cunningham Highway at Cunningham's Gap was reopened at 6.00pm Tuesday. Further closures are scheduled at various times up to December 20. <p>Several thunderstorm warnings were issued on Tuesday, covering people in parts of the Gulf Country and Northwest Forecast Districts, and then those in the Maranoa and Warrego and parts of the Central Highlands and Coalfields, Central West and Channel Country Forecast Districts. All warned of damaging winds and flash flooding, and a wind gust was measured at 105km/h at Winton at 4.45pm.</p> <ul style="list-style-type: none"> Ergon Energy have reported that outages due to weather/flooding have been minimal. They advise that they have isolated a high voltage rural power line near Blackwater as rising flood waters in the Mackenzie River have submerged power lines. The decision affects 28 rural customers who could be off for 3 days. Customers have been contacted and understand the issue. 	<p>River at Bakers Bend are rising, with river levels likely to reach the minor flood level later this week. Minor flooding continues to ease downstream between Cunnamulla and Rocky. Localised very heavy rainfall has been experienced in the upper Warrego catchment and fast river rises are likely, including the possibility of fast stream rises and flooding in Angellata Creek and in Bradleys Creek at Charleville.</p> <p>FFitzroy River Basin: Major flood levels are expected along the Dawson and Mackenzie Rivers during this week. Rises will continue this week in the Fitzroy River with levels expected to exceed the minor flood level at Rockhampton during the weekend. Moderate flood levels have peaked in the Connors/Isaac catchments.</p>				<p>natural disaster arrangements says it is worried the worst is still to come. Longreach CEO Michelle McFadyen says crews are working to ensure roads and bridges are fixed as soon as possible. "We're drowning in potholes and flooded rivers - we've had some really serious damage already to some of our roads and I don't think the worst has hit yet," she said. "From a council perspective, we've got crews out there doing the best they can, but there are a lot of places we still can't get to."</p> <p>http://au.news.yahoo.com/au/-/australian-news/8462676/shire-fears-worse-flooding-yet-to-come</p> <p><i>The Gladstone Observer</i> reports: Batten down the hatches, everyone from weather guru Haydon Walker to the Bureau of Meteorology reckons we are in for a big cyclone season. And Emergency Management Queensland (EMQ) has issued a special warning to caravan parks close to the coast to prepare for wild weather.</p> <p>http://www.gladstoneobserver.com.au/story/2010/12/07/caravan-parks-prepare-for-a-rough-wet-season/</p> <p><i>The Courier Mail</i> reports: Rain eased across most parts of Queensland yesterday, allowing the state's road workers, farmers and miners to begin assessing the costs of widespread flooding. In the hard-hit central highlands, roads and rail lines have been eroded by heavy falls. Key mining and agriculture figures also predict a multi-</p>	

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						million-dollar damage bill. AgForce general president Brent Finlay said about 5000ha of cotton crops worth "tens of millions of dollars" had already been destroyed by flooding west of Emerald. http://www.couriermail.com.au/news/queensland/queensland-faces-151m-flood-disaster-clean-up-costs/story-e6freoof-1225967239714	

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Thu 9 December	<p>Flooding in South Western Region:</p> <ul style="list-style-type: none"> LDMGs and SES are on "Alert" across the EMQ South West Region, monitoring the ongoing weather situation and possible further flooding. As at 12.00pm, Wednesday, Thargomindah and Hungerford were unable to be accessed by conventional vehicles due to floodwaters. The Thargomindah flood truck was providing transportation where necessary. Roma and Charleville SES Units have responded to a handful of storm damage operations jobs; Charleville members have also assisted with monitoring flood heights in Bradley's Gully. <p>Flooding in Central Region:</p> <ul style="list-style-type: none"> Central Highlands LDMG and Rockhampton LDMG are continuing with a watching and monitoring brief. Rockhampton LDCC will be partially running at the weekend, from the perspective of providing a call centre to manage enquiries. Local government and EMQ are continuing to provide media releases and public safety messages for affected communities. Door knocking is 	<p>Flood Warnings are current for the following rivers:</p> <p>Condamine, Balonne and Maranoa Rivers: Moderate flooding will continue along the Maranoa River downstream of the Springfield area to Beardmore Dam for the next few days. Moderate flooding is being recorded in the Balonne River between Surat and Weribone and in the associated tributaries, with major flooding rising slowly below Beardmore Dam on the Balonne River at St George. Minor to moderate flooding is expected along the Condamine River between Tummaville and Cotswold during this week.</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Minor flood levels are rising in the Blackall area. Minor flood levels are falling along the Barcoo River, with major flooding easing at Retreat. Minor flood levels continue to fall along the Thomson River between Stonehenge and Jundah. Major flooding peaked on Monday in the Cooper Creek at Windorah and is continuing to ease slowly. Recent rainfall recorded in the Bowen Downs area is not expected at this stage to produce any significant rises in the Thomson River at Longreach, however further rainfall is forecast for the area later in the week.</p> <p>Bulloo River: River level rises are being recorded at in the Bullo River at Quilpie. Minor flood levels are likely at Quilpie during the next 12 hours with further rises possible. Moderate flood levels are approaching a peak at Autumnvale and are</p>	<p>Tully 69mm Euramo 65mm Cloncurry 58mm Horn Island 56mm Japoonvale 54mm</p>	<p>72 calls were made to SES 132 500 in the period since 05.00am Wednesday.</p> <ul style="list-style-type: none"> Brisbane 13 Gold Coast 8 Rockhampton 6 	<p>SDCC: - Not Activated. DDMGs: - Nil Activated.</p> <p>LDMGs:</p> <ul style="list-style-type: none"> - Central Highlands Activated - Roma and Murweh Alert and monitoring, not officially Activated 	<p>ABC Online reports: Authorities have been searching for a 15-year-old boy missing at a popular water hole on Queensland's Sunshine Coast. The teenager was with a friend when he jumped into Wappa Falls near Yandina just before midday (AEST) yesterday and did not resurface. Water police scoured the area and police divers have been called in to help. http://www.abc.net.au/news/stories/2010/12/08/3088100.htm</p> <p>ABC Online reports: The Queensland Government has extended disaster relief and recovery funding to four more local government areas. The Isaac, Mackay, Scenic Rim and Gold Coast City councils have been added to the growing list. There are 15 regions across the state that are now eligible for the joint State and Federal assistance. Rockhampton Mayor Brad Carter says flood barriers will be used to protect critical infrastructure as floodwaters approach the city. He says council has asked the State Government for the use of the barriers which are currently held in Brisbane and Townsville. http://www.abc.net.au/news/stories/2010/12/08/3088342.htm</p> <p>Courier Mail reports: Rockhampton faces a nervous wait as the swelling Fitzroy River threatens to inundate Queensland's beef capital later this week. Mayor Brad Carter yesterday said an emergency response centre would be established</p>	Nil

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	<p>taking place in areas likely to be flood affected, and telephone poles have been marked with flood levels to give people some perspective on the rising water.</p> <ul style="list-style-type: none"> An outreach team from the Department of Communities is working with affected households in the Gemfields. Ergon Energy have isolated a high voltage rural power line near Blackwater for safety reasons affecting 28 rural customers who could be off for 3-4 days. Customers have been contacted and understand the issue. Main highways are all open, though some have restrictions in place. The rail line east of Emerald is open, and should reopen to the west on Saturday. Coal lines should be operational on Thursday. <p>Several thunderstorm warnings were issued on Wednesday, covering people in parts of the Central Highlands and Coalfields, Central West, and Maranoa and Warrego Forecast Districts. The warnings were for damaging winds, flash flooding and large hailstones. The last warning of the day was cancelled by 6.00pm.</p> <p>A formal request for Australian Government physical assistance was received on Wednesday, in relation to the Victorian Floods December 2010.</p>	<p>slowly rising downstream at Thargomindah. River levels at Thargomindah are expected to reach, and remain at, moderate flood levels during the weekend. Renewed rises are expected into next week as upstream floodwaters arrive.</p> <p>Paroo River: Recent rainfall is expected to produce renewed rises in the Paroo River downstream to Euro during the next few days. Further downstream between Caiwarro and Hungerford river level rises and minor to moderate flooding continues. Further rises are expected at Hungerford going into next week as upstream floodwaters arrive.</p> <p>Warrego River Basin: Renewed rises and moderate flooding is expected at the 27 Mile Garden with river rises and some minor flooding expected at Charleville going into the weekend. Minor flooding continues to ease along the lower Warrego River between Cunnamulla and Rocky. Recent rainfall is expected to cause stream rises across the upper Warrego catchment and in Bradleys Creek and along the Angellalla River to the east of Charleville. River rises are occurring on the Ward River at Binnowie, but are expected to remain below minor flood level. River levels on the lower Warrego River at Bakers Bend are rising, with river levels likely to reach the minor flood level later this week.</p> <p>Fitzroy River Basin: Moderate to major flood levels will continue along the Dawson and Mackenzie</p>				<p>at City Hall on Saturday after the weather bureau warned that the rising river would reach heights that could flood homes and cut off remote areas over the weekend.</p> <p>http://www.couriermail.com.au/news/queensland/rocky-braces-as-river-rises/story-e6f9e00f-1225967885081</p> <p><i>The Morning Bulletin (Rockhampton):</i> Property owners isolated by floodwaters in small Central Queensland towns have received emergency supplies and mail drop-offs by the SES rescue boat. SES crews re-supplied isolated property owners at three different locations including Taroom with necessities by boat as the Dawson River levels climbed.</p> <p>http://www.themorningbulletin.com.au/story/2010/12/08/ses-drops-supplies-to-isolated-towns/</p>	

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	<p>Victoria is currently experiencing major flooding conditions across the State. The request for assistance has been approved by the Attorney-General and COMDISPLAN has been ACTIVATED by Director General EMA. The Victorian authorities have been given details of commercial suppliers within Queensland.</p> <p>Nambour SES are continuing a search today for a teenager missing at Wappa Falls near Yandina, a popular waterhole.</p>	<p>Rivers during this week. Rises will continue in the Fitzroy River with levels expected to exceed the minor flood level at Rockhampton during the weekend. A further forecast will be made once a peak has been observed at Riverslea. Predictions for Rockhampton may change given forecast rainfall.</p>					

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Fri 10 December	<p>Flooding in South Western Region:</p> <ul style="list-style-type: none"> LDMGs and SES are on watch across the EMQ South West Region, monitoring the ongoing weather situation and possible further flooding. Situation will be dependant on rainfall over the next several days. Situation continues to ease no major threat to property at this stage. No SES activations recorded overnight. Quilpie to Thargomindah closed at Comongin Crossing. Thargomindah to Naryilco is closed to all vehicles As at 5.27pm all other roads are open to 4WD or with caution. <p>Flooding in Central Region:</p> <ul style="list-style-type: none"> Central Highlands LDMG and Rockhampton LDMG and DDMG are continuing with a watching and monitoring brief. Rockhampton LDCC will be partially running at the weekend, from the perspective of providing a call centre to manage enquiries. Local government and EMQ are continuing to provide media releases and public safety messages for affected communities. Door knocking is taking place in areas likely to be flood affected, and telephone poles have 	<p>Flood Warnings are current for the following rivers:</p> <p>Condamine, Balonne and Maranoa Rivers: Minor flooding is easing in the Condamine River at Centenary Bridge and levels will continue to do so. The flood peak is currently in the Loudoun Bridge area. A moderate flood level peak is expected at Old Cashmere during today. River levels at St George are expected to reach at least 8 metres during the Weekend. Moderate flood levels continue in the Balonne River. The flood peak is currently in the Surat area. River level rises will continue between Surat and Beardmore Dam into the weekend. Major flood levels of 9.8 metres are possible at Weribone. Major flooding continues to rise in the Balonne River at St George.</p> <p>Thomson and Barcoo Rivers and Cooper Creek: Minor flood levels are easing in the Blackall area. Minor flood levels are falling along the Barcoo River, with major flooding easing at Retreat. Minor flood levels continue to fall along the Thomson River between Stonehenge and Jundah. Major flooding continues to ease in the Cooper Creek at Windorah and is continuing to ease slowly.</p> <p>Bulloo River: River level rises are likely at in the Bulloo River at Quilpie. Minor flood levels are likely at Quilpie and falling. Moderate flood levels have peak at Autumnvale and are slowly rising downstream at Thargomindah. River levels at Thargomindah are expected to reach, and</p>	<p>Tully 72mm Daintree Village 93mm Mt Douglas 55mm Bindaree TM 46mm Horn Island 56mm Sth Comongin 42mm Cloncurry 58mm</p>	<p>58 calls were made to SES 132 500 in the period since 05.00am Thursday.</p> <ul style="list-style-type: none"> Brisbane 5 Gold Coast 7 Rockhampton 10 	<p>SDCC: - Not Activated. DDMGs: - Nil Activated. LDMGs: - Central Highlands Activated - Roma and Murweh Alert and monitoring, not officially Activated</p>	<p><i>ABC Online reports:</i> Body found in car pulled from flooded creek. The floods in Queensland have claimed their third victim in just over a week, with a man's body retrieved from a river at Nebo west of Mackay today. http://www.abc.net.au/news/stories/2010/12/09/3089211.htm</p> <p><i>ABC Online reports:</i> Central Qld residents told to prepare for flooding. Authorities in central Queensland's Fitzroy catchment are urging residents to prepare for possible flooding in the next few days. http://www.abc.net.au/news/stories/2010/12/09/3088671.htm</p> <p><i>ABC Online reports:</i> Boy's body found near flooded swimming spot. Police have found the body of a 15-year-old boy who drowned at a water hole on Queensland's Sunshine Coast. http://www.abc.net.au/news/stories/2010/12/09/3089450.htm</p> <p><i>The Morning Bulletin (Rockhampton):</i> Supplies dropped to isolated towns, PROPERTY owners isolated by floodwaters in small Central Queensland towns received emergency supplies and mail drop-offs by the SES rescue boat yesterday. http://www.themorningbulletin.com.au/story/2010/12/08/ses-drops-supplies-to-isolated-towns/</p>	Nil

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	<p>been marked with flood levels to give people some perspective on the rising water.</p> <ul style="list-style-type: none"> Currently there is No critical infrastructure at threat in Rockhampton. Fitzroy River expected to peak at 8.7m, Rockhampton advised this is manageable with current resources depending on rainfall over the catchment areas in the next day or so, Situation is being monitored. <p>Main highways are open, though some have restrictions in place. The rail line east of Emerald is open, and should reopen to the west on Saturday.</p> <p>Arrangements have been put into place to Transport 500m of Flood Barrier from Brisbane to Rockhampton on Friday the 10th as a precaution of potential flooding over the weekend.</p> <p>Several thunderstorm warnings were issued on Thursday, covering the Channel Country, Central West, Maranoa and Warrego Districts. The warnings were for damaging winds, flash flooding and large hailstones. The search for a teenager missing at Wappa Falls near Yandina has ceased due to a body being located SES stood down.</p>	<p>remain at, moderate flood levels during the weekend. Renewed rises are expected into next week as upstream floodwaters arrive.</p> <p>Paroo River: Recent rainfall is expected to produce renewed rises in the Paroo River downstream to Eulo during the next few days. Further downstream between Caiwarro and Hungerford river level rises and minor to moderate flooding continues. Further rises are expected at Hungerford going into next week as upstream floodwaters arrive.</p> <p>Warrego River Basin: Renewed rises and moderate flooding is expected at the 27 Mile Garden with river rises and some minor flooding expected at Charleville going into the weekend. Minor flooding continues to ease along the lower Warrego River between Cunnamulla and Rocky. Recent rainfall is expected to cause stream rises across the upper Warrego catchment and in Bradleys Creek and along the Angellalla River to the east of Charleville. River rises are occurring on the Ward River at Binnowee, but are expected to remain below minor flood level. River levels on the lower Warrego River at Bakers Bend are rising, with river levels likely to reach the minor flood level later this week.</p> <p>Fitzroy River Basin: Moderate to major flood levels will continue along the Dawson and Mackenzie Rivers during this week. Rises will continue in the Fitzroy River with levels expected to exceed the</p>				<p>The Morning Bulletin (Rockhampton): Warning of river level above 7m, THE Bureau of Meteorology yesterday upgraded the flood warning for the Fitzroy River with rises at Rockhampton to exceed the minor flood level of seven metres.</p> <p>Rockhampton Regional Council mayor Brad Carter said council's Local Disaster Management Group would meet again this morning to discuss the concern of the new predicted river rise.</p> <p>http://www.themorningbulletin.com.au/story/2010/12/08/bureau-warns-of-river-flood-level-above-7m/</p>	

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		minor flood level at Rockhampton during the weekend. A further forecast will be made once a peak has been observed at Riverslea. Predictions for Rockhampton may change given forecast rainfall.					

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Sat 11 December	<p>Flooding in South Western Region:</p> <ul style="list-style-type: none"> LDMGs and SES are on "Alert" across the EMQ South West Region, monitoring the ongoing weather situation and possible further flooding. Thargomindah and Hungerford are unable to be accessed by conventional vehicles due to floodwaters. The Thargomindah flood truck is providing transportation where necessary. Roma EMQ Area Director has been liaising with the NSW District Emergency Management Officers (DEMO) in Dubbo and Broken Hill to advise of rainfalls and river heights occurring in Qld and likely to flow through in to their areas of operations. Two requests have been received from Balonne Shire as to what assistance is available to flood affected primary producers. These have been referred to the local QRAA representative. Road closures include: Quilpie to Thargomindah which is closed at Comongin Crossing, Thargomindah to Narylico road, and the road from Ballera to the South Australian border <p>Flooding in Central Region:</p> <ul style="list-style-type: none"> Central Highlands LDMG, Rockhampton 	<p>Condamine, Balonne and Maranoa Rivers: River levels at St George are expected to peak during the weekend. Elsewhere on the Balonne River, moderate to major flood levels are occurring between Surat and St George. Minor flood levels are occurring or should be expected between Loudoun Bridge and Cotswold along the Condamine River.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: Minor flood levels are easing along the Barcoo River between Blackall and Glenlock, with major flooding easing at Retreat. Minor flooding continues along the Thomson River at Camoola Park and further downstream between Stonehenge and Jundah. Major flood levels are slowly easing in the Cooper Creek at Windorah.</p> <p>Bulloo River: Recent rainfall is expected to produce river level rises downstream to Quilpie during the next few days. Minor to moderate flood levels continue between Autumnvale and Thargomindah.</p> <p>Paroo River: River level rises and a return to moderate flood levels in the Paroo River at Eulo are likely. Moderate flooding is continuing downstream at Calwarro with moderate flood levels at Hungerford rising following moderate to heavy rainfall.</p> <p>Warrego River Basin: Minor flooding is occurring on the Nive River at Biddenham and on the upper Warrego River at The 27 Mile Garden. Moderate flooding is occurring along the Langlo River with major flood levels expected at Warilda over the</p>	<p>Eaglefield (w of Mackay) 79mm Ingham 75mm Kowanyama 61mm Rockfields (e of Normanton) 57mm Ingham Depot 52mm Biddenham (nr Augathella) 50mm Richmond 41mm</p>	<p>72 calls were made to SES 132 500 in the period since 05.00am Friday.</p> <ul style="list-style-type: none"> Rockhampton 15 Brisbane 9 	<p>SDCC: - Not Activated. DDMGs: - Nil Activated. LDMGs: -</p> <ul style="list-style-type: none"> Central Highlands LDMG activated Banana Shire LDMG activated at low level Rockhampton LDMG activated at low level Quilpie LDMG on alert Roma LDMG is monitoring. 	<p>ABC Online reports: Authorities at Rockhampton in central Queensland say temporary accommodation will be provided for those in need, if there is flooding in the city next week. Mayor Brad Carter says welfare groups will look after the homeless. "Nobody will be forced to be sleeping out in the open during the crisis, during when flood levels start to rise while this situation is before us," he said.</p> <p>Meanwhile, water has been inundating low-lying areas in Theodore to the west of Rockhampton as the Dawson River creeps towards its flood peak overnight. Banana Shire Mayor John Hooper says the Leichhardt Highway is now closed north of Theodore to most traffic.</p> <p>http://www.abc.net.au/news/stories/2010/12/10/3090592.htm</p> <p>ABC Online reports: The Queensland Government says it is a local decision about whether State Emergency Service (SES) boats and crews can be used to deliver mail across flooded creeks. A resident from Yaraka, south of Longreach, has written to Emergency Services Minister Neil Roberts over the issue. Mr Roberts has issued a statement saying the matter is an operational decision to be made by local disaster management groups and councils.</p> <p>http://www.abc.net.au/news/stories/2010/12/10/3090200.htm?site=westqld&section=news&date=(none)</p> <p>Weatherzone News reports: A trough is gradually slipping further north and east</p>	<p>December 12, 2010 - Alligator Creek (near Townsville). A 17 year old girl drowned after her foot was caught between rocks at Alligator Creek. Heavy rain in the area caused flooding and swift flowing water.</p>

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	<p>LDMG and EMQ are continuing to provide media releases and public safety messages for affected communities. Increased media and public interest has been received as a result of media stories which ran on morning shows on Friday.</p> <ul style="list-style-type: none"> As a continuing proactive community awareness issue, local SES groups will conduct further door knocks of areas identified as potentially at risk of inundation should flood waters continue to rise. Flood Barrier resources are currently en route to Rockhampton from the south-east of the State and are expected to arrive in the next hour. The pre-positioning of this resource will enable a more rapid deployment for the region should this equipment be required within the Central Region. EMQ are continuing to monitor and liaise with the Region in regards to potential or competing demands for this resource. Rockhampton District Disaster Coordination Centre is fully prepared for activation over the weekend if required. The LDCC will be activated on Saturday from 12noon to 5pm and Sunday 9am to 5pm with minimal staffing as a 	<p>weekend</p> <p>Fitzroy River Basin: Moderate to major flood levels will continue along the Dawson and Mackenzie Rivers during this weekend. Rises will continue in the Fitzroy River with levels expected to exceed the minor flood level of 7 metres at Rockhampton during Sunday and reach around 7.8 metres next week. A further forecast will be made once a peak has been observed at Riverslea. Predictions for Rockhampton may change given forecast rainfall. On the Connors/Isaac Rivers, flood levels at Yatton are now minor and will continue to fall. Major flooding is continuing in the Comet River. Levels will fall gradually but will remain at major levels through the weekend.</p>				<p>through Queensland and New South Wales, raising concerns for already flooded areas of eastern Queensland. Many locations across central and eastern Queensland have already received as much as double their December average from the rain event at the start of the month.</p> <p>http://www.weatherzone.com.au/news/heavy-rain-and-storms-threaten-eastern-queensland/15582</p> <p><i>Weatherzone News reports:</i> A weak monsoon trough will develop over the northern tropics later this weekend bringing an increase in rainfall and storms, with a grim Christmas outlook. The affects of the Madden-Julian Oscillation should begin to take place from around December 16th, bringing increased rainfall. This also primes conditions for tropical cyclone development. This pattern is expected to persist into the start of the new year, which currently indicates a wet and stormy holiday outlook.</p> <p>http://www.weatherzone.com.au/news/monsoon-to-crank-up/15588</p> <p><i>The Brisbane Times reports:</i> The Weather Channel's senior meteorologist Dick Whitaker said the band of rain and thunderstorms that had been producing heavy falls across Victoria and New South Wales would concentrate over Queensland during the weekend. "This will generate further flood peaks along the Fitzroy River basin, and the Balonne and Barcoo rivers," he said. "These peaks will gradually make their way downstream and produce</p>	

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	<p>public information source and to manage public enquiries. The LDGC contact number is 1300 652 659.</p> <ul style="list-style-type: none"> In the Central Highlands, crews are working on local and State Roads to provide access to property owners and through traffic and SES will be on standby for any events that may occur as a result of forecasted weather. SES completed a resupply to a property at Rileys Crossing on the Mackenzie near Comet yesterday. Carnarvon Highway (Injune to Rolleston) is CLOSED to all vehicles at Deep Channel. Other main highways are all currently open. 					<p>further flooding across the surrounding countryside over the next two weeks. http://www.brisbanetimes.com.au/queensland/no-end-in-sight-for-central-queensland-flooding-20101210-18siv.html <i>The Rockhampton Bulletin</i> reports: Rockhampton Mayor Brad Carter says emergency services are taking no chances with preparations amid predictions of moderate to heavy rain this weekend which could push the Fitzroy River peak over the 8 meter mark. The disaster co-ordination centre at Town Hall is open from midday to 5pm today and from 9am to 5pm Sunday. The council hotline is 1300 22 55 77. http://www.themorningbulletin.com.au/story/2010/12/11/emergency-services-rain-rockhampton-ses/ <i>Caloundra Journal</i> reports: SES regional director emergency management Queensland Peter Toomey said residents should be looking to put basic measures in place now to ensure they are prepared well in advance should a storm strike. He said he would like to think a growing number of people were becoming more resilient in storm situations. Mr Toomey said he hoped the extra media attention this year would serve as a reminder to residents of the threat of storms. http://caloundra-journal.wherelive.com.au/news/story/prepare-for-storm-season/ <i>The Courier Mail</i> reports: THE southeast will get a thrashing this weekend as thunderstorms from the</p>	

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						<p>states interior blow in towards the coast. The trough follows low-pressure systems that have caused havoc across the country, leaving four people dead in their wake. Residents in the southeast have been warned to expect localised rain of up to 100mm, with conditions beginning to clear on Monday.</p> <p>http://www.couriermail.com.au/news/wet-and-wild-weekend-tipped-for-southeast-queensland/story-e6freon6-1225969188245</p>	

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Sun 12 December	<p>Flooding in South Western Region: LDMGs and SES are on "Alert" across the EMQ South West Region, monitoring the ongoing weather situation and possible further flooding. Brisbane Region Severe Rain Event:</p> <ul style="list-style-type: none"> Brisbane City Council report 6 homes inundated in McFadden Street, Wynnum due to Storm Water system unable to cope with water volume. BCC Emergency Response Group (ERG) had 100+ jobs logged for the Southside. Blocked drains, popped manhole covers, water over road. ERG North - 30 jobs. Two personnel on the ground and managing jobs ok. Storm Water Pipe burst at Parker Av, Northgate - ERG responded. <p>Charters Towers Severe Thunderstorm:</p> <ul style="list-style-type: none"> The Mayor of Charters Towers contacted the EMQ Northern Region RD with reports of a severe thunderstorm on Saturday afternoon although the Bureau did not issue any Warnings for the area. The RD reports that a car was washed over a causeway outside Charter's Towers - QPS, QFRS and SES assisted 	<p>Flood Warnings are current for the following rivers:</p> <p>Fitzroy River Basin: Major flood levels should be expected along Juandah Creek during Sunday. Major flooding continues along the lower Dawson River between Isla-Delusion Crossing and the Beckers area. Moderate flooding is easing downstream from Bedford Weir with a moderate flood peak approaching the Riverslea area. River rises are causing minor to moderate flooding along the Fitzroy River with levels at Rockhampton approaching the minor flood level of 7 metres, and reach around 7.8 metres during next week. Renewed rises are occurring in the Dawson Creek catchment above Taroom. Major flood levels at Theodore will remain through this weekend. At Moura, major flood levels of around 12 metres are nearing a peak during the weekend. Major flood levels will continue in the Baralaba area through this weekend with a peak of around 12.2 metres expected early next week. Levels will fall and rise again next week with a second flood peak expected.</p> <p>Condamine, Balonne and Maranoa Rivers: Major flood levels are being observed in the upper Condamine catchment along Dalrymple Creek. Moderate flooding is easing along the Balonne River between Warkon and Weribone, with major flooding expected to peak around 8.3 metres at St George during the weekend. Major flooding is rising</p>	<p>Wynnum 109mm Lytton 102mm Alderley 84mm East Brisbane 80mm Mitchelton 81mm Normanby 71mm Logan 65mm Nambour 74mm Moy Pocket 94mm Toowoomba 53mm Gympie 60mm Blackdown Tableland (SE Emerald) 123mm Isaac River Bridge (Moranbah) 103mm Hughenden 63mm Proserpine 53mm</p>	<p>383 calls were made to SES 132 500 in the period since 05.00am Saturday.</p> <ul style="list-style-type: none"> Brisbane 146 Gold Coast 26 Redcliffe 20 	<p>SDCC: - Not Activated. DDMGs: - Nil Activated. LDMGs: -</p> <ul style="list-style-type: none"> Central Highlands LDMG activated Banana Shire LDMG activated at low level Rockhampton LDMG activated at low level Quilpie LDMG on alert Roma LDMG is monitoring 	<p><i>ABC News Online reports:</i> An intense band of rain and storms has caused flash flooding in parts of Brisbane and the Gold Coast this afternoon and forced the closure of some roads, but the weather bureau has now cancelled a severe thunderstorm warning for the area. Falls of up to 105 millimetres have been recorded in parts of south-east Queensland since 9:00am AEST. http://www.abc.net.au/news/stories/2010/12/11/3090907.htm</p> <p><i>The Brisbane Times Online reports:</i> A coal mine has been shut down and more than a thousand hectares of cotton crops damaged by floodwaters in central Queensland. The Dawson River peaked in Theodore at midnight (AEST) on Friday at 13 metres and was receding throughout Saturday.</p> <p>The 500-strong township lies between Dawson River and Castle creek, with many streets edging the waterways. Despite its precarious position, it avoided what would have been the second major flood this year. http://www.brisbanetimes.com.au/queensland/central-queensland-hit-by-floods-20101211-18tbu.html</p>	Nil

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	<ul style="list-style-type: none"> Many trees were down on the Flinders Highway. Council crews and SES were going out to clear. Traffic was still getting through. There is some localised flooding in Charters Towers and water .2m over the Flinders Highway (Highway is still open). The LDMG is activated at a low level. A full damage assessment will be done this morning. <p>Flooding in Central Region:</p> <ul style="list-style-type: none"> River rises are occurring slower than expected at the moment and may push the timing for peaks back. Riverslea has yet to peak and is rising slowly. The LDCC will be in contact with BoM's Hydrology Unit on Sunday to discuss current observations and confirm anticipated peaks and timings. 500mtrs of Flood Barriers arrived in Rockhampton am Saturday 11 December. The pre-positioning of this resource will enable a more rapid deployment for the region should this equipment be required within the Central Region. EMQ are continuing to monitor and liaise with the Region in regards to potential or competing demands for this 	<p>further downstream in the Whyenbah area. Isolated minor flood levels are occurring along the Condamine River.</p> <p>At this stage, river levels at Warwick are expected to rise to around 5 metres with some minor flooding.</p> <p>Warrego River: Moderate flood levels have been observed on the Ward, Langlo and Upper Warrego Rivers with further rises likely. Minor flood levels are rising fast at Drensmaine (<i>nr Tambo</i>) on the Niva River. Minor flooding continues in some areas of the Lower Warrego River. A forecast for Charleville will be made once upstream peaks have been observed.</p> <p>Minor flooding is occurring at Bakers Bend and Cunnamulla. High river levels causing minor to moderate flooding are expected along the lower Warrego River during next week.</p> <p>Paroo River: Recent rainfall is expected to produce renewed rises in the Paroo River at Eulo with a return to moderate flood levels possible. Moderate flooding is continuing to slowly ease downstream between Caiwarro and Hungerford following moderate to heavy local rainfall.</p> <p>Coastal rivers – Maryborough to Gold Coast: Heavy rainfall during Saturday has resulted in fast level rises in coastal catchments and adjacent inland catchments.</p> <p>Macintyre River (Preliminary): River level rises causing minor to moderate flooding in the</p>					

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	<p>resource.</p> <ul style="list-style-type: none"> Central Highlands LDMG, Rockhampton LDMG and EMQ are continuing to provide media releases and public safety messages for affected communities. Rockhampton LDCC was activated and opened on Saturday from 12noon to 5pm and will open again on Sunday 9am to 5pm as a public information source and to manage public enquiries. The LDCC contact number is 1300 652 659. Local SES groups have conducted further door knocks of sections of the following areas identified as potentially at risk of inundation should flood waters continue to rise. The next Meeting of the Rockhampton LDMG is scheduled for 8am on Monday 13 December. <p>A number of local roads in RLDMG area are closed at this time. No impact on major roads/highways at this time. Due to current wet weather conditions and localised flooding, a temporary restriction has been placed in the Permit Management System for the movement of ALL excess mass and ALL excess dimension vehicles greater than 2.5m across the entire Fitzroy Region/Emerald (District 15).</p>	<p>Kildonan to Goondiwindi area are expected early next week following moderate rainfall</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: Minor flood levels are generally easing along the Barcoo River whilst renewed rises are being recorded between Blackall and Coolah following moderate to heavy rainfall during the last few days. Minor flooding continues along the Thomson River at Camoola Park and further downstream between Stonehenge and Jundah. Major flood levels are slowly easing in the Cooper Creek at Windorah.</p> <p>Bulloo River: Recent rainfall is expected to produced river level rises downstream to Quilpie during the next few days. Minor to moderate flood levels continue between Autumnvale and Thargomindah.</p>					

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Mon 13 December	<p>South Western Region:</p> <ul style="list-style-type: none"> LDMGs and SES are on "Alert" across the EMQ South West Region, monitoring the ongoing weather situation and possible further flooding. Nil Problems reported at this stage. <p>Northern Region:</p> <ul style="list-style-type: none"> Diamantina Shire (Bedourie and Birdsville) is now isolated due to the closure of all roads, the Birdsville track to SA remains open but for high clearance 4WD only. No problems are anticipated for the next few days. <p>Brisbane Region Severe Rain Event:</p> <ul style="list-style-type: none"> SEQ Water plan to release 300m³/s from Wivenhoe starting from Monday afternoon onwards coinciding with flows from Lockyer Creek receding. The release is anticipated to have little to no impact for Brisbane. No other significant issues to report at this stage. <p>North Coast region:</p> <ul style="list-style-type: none"> Since 0730hrs Sunday Morning the State Emergency Service have received and responded to 110 Storm Damage tasks across North Coast Region. Three swift water rescues have occurred in the Gin Gin area Sunday. <p>Road Closures for North coast</p>	<p>Flood Warnings are current for the following rivers:</p> <p>Fitzroy River Basin: Major flood levels are occurring along Juandah Creek. Major flooding continues along the lower Dawson River between Isla-Delusion Crossing and the Beckers area. Moderate flooding is easing downstream from Bedford Weir with further rises possible at Riverslea. The Fitzroy River at Rockhampton will exceed the minor flood level of 7 metres during Monday with further rises expected to reach 7.8 metres this week. A further prediction for Rockhampton will be made once a peak is observed at Riverslea. Major flooding extends along the lower Dawson River between Isla-Delusion Crossing and the Beckers area. Major flood levels will remain at Theodore into Monday. At Moura, major flood levels of around 12 metres are nearing a peak. Major flood levels will continue in the Baralaba area through this weekend with a peak of around 12.2 metres expected early this week. Levels will continue to fall following an initial peak and will rise again later this week once floodwaters from the Taroom area arrive.</p> <p>Condamine, Balonne and Maranoa Rivers: Possibly major flood levels are expected at Pine Hill Crossing along Dogwood Creek. Minor flooding continues along the Upper Condamine. Renewed rises are expected at St George late in the week along the Balonne River. Major flooding is rising downstream in the Whyenbah area.</p>	<p>Miriam Vale 128mm Childers south 105mm West Barembah 151mm Riverheads 79mm Godwin beach 115mm Manly 103mm Woodford 87mm Nambour 74mm Burrum Highway 107mm Toowoomba 53mm Pomona 52mm Blackdown Tableland (SE Emerald) 125mm Moranbah 112mm Weipa Town 64mm Eungella Alert 71mm</p>	<p>424 calls were made to SES 132 500 in the period since 05.00am Sunday.</p> <ul style="list-style-type: none"> Brisbane 34 Hervey Bay 114 Bundaberg 45 Islis 30 	<p>SDCC: - Not Activated. DDMGs: - Nil Activated. LDMGs: -</p> <ul style="list-style-type: none"> Central Highlands LDMG activated Banana Shire LDMG activated at low level Rockhampton LDMG activated at low level Quilpie LDMG on alert Roma LDMG is monitoring 	<p><i>ABC News Online reports</i> Rescuers frustrated in flood-affected Qld, Authorities have expressed frustration at the "selfish" behaviour of people in flood-affected communities who are ignoring their advice. http://www.abc.net.au/news/stories/2010/12/12/3091186.htm</p> <p><i>Courier Mail Reports</i> FLOOD forecasters are assessing the impact of further rain overnight over large parts of Queensland. http://www.couriermail.com.au/news/more-rain-as-flood-fears-rise/story-e6freon6-1225969641098</p>	Nil

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	<ul style="list-style-type: none"> Childers Biggenden Rd is closed 5km West of Childers due to water over the road at Apple Tree Creek. Bruce Highway is closed at Isis River Bridge and will remain closed until it can be inspected by Main Roads tomorrow morning. Goodwood Road is closed to all vehicles between Isis golf course and Foleys Road due to water over the road at Stockyard Creek and Mahogany Creek. Mundubbera - Dulong Rd is closed to all vehicles at the Boyne River Bridge about 14kms south of Mundubbera, due to flooding. Bauple - Woolooga Rd is closed to all vehicles at Goochie Rd, due to flooding. Boompa Road has water over flood ways along the length of the road and motorists advised to drive with care. Mungar Road is closed to traffic due to flooding of the Mary River. Sections of the Wallaville Goondoon Road have washed away Marshall Ave at Mooroondan, which is east of Gin Gin has a large washout in it and is not passable. Reports of significant road damage in the Wida Bay Burnett area. As the flood 	<p>Warrego River: Major flood levels are occurring along the upper Warrego River at Lochinvar. Minor flood levels continue to rise at Biddenham on the Nive River. River levels at Charleville are forecast to reach around 6 metres. Moderate flood levels have been observed along the Ward and Langlo Rivers with renewed rises occurring at Oak Park where major flood levels of 5 metres are likely overnight.</p> <p>Paroo River: Recent rainfall produced renewed rises to moderate flood levels in the Paroo River at Eulo. Moderate flooding continues to ease slowly downstream between Caiwarro and Hungerford, with renewed rises possible during this week.</p> <p>Coastal rivers – Maryborough to Gold Coast: Recent moderate to heavy rainfall has resulted in fast river level rises in coastal and adjacent inland catchments from Maryborough to Brisbane.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: Moderate flood levels should be expected at Blackall this week. Moderate to major flood levels are rising on the Barcoo River between Coolagh and Isisford and should be expected downstream to Retreat. Minor flooding continues on the Thomson River between Stonehenge and Jundah. Major flood levels continue on the Cooper Creek at Windorah.</p> <p>Bulloo River: Recent rainfall is expected to produce river level rises downstream to Quilpie. Minor flood levels</p>					

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	<p>water recedes, water damage to structures and roads will be assessed.</p> <p>Central Region:</p> <ul style="list-style-type: none"> Rockhampton - generally overcast locally with light intermittent showers throughout the day. The Riverslea flood gauge has remained at approximately 20.70m since 0100hrs 12/12/10 indicating the flood waters have possibly peaked at this location although local falls overnight in the headwaters of the catchment may have an affect later in the week. Central highlands - Continuing recovery operations, crews are working on local and State Roads to provide access to property owners and through traffic. CHLDMG have been in constant contact with of a group of 7 or 8 properties on the northern side of the Mackenzie River (Foleyvale north to Leura) that had been isolated for some time. Heavy rain received in the Blackwater, Bluff, Dingo & Duaringa areas late yesterday afternoon which caused stream rises and road closures on the Capricorn highway & Fitzroy Development road north of Dingo. The damage to Council roads and infrastructure is estimated to be significant. 	continue between Autumnvale and Thargomindah with renewed rises to moderate flood levels possible during this week.					

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	<ul style="list-style-type: none"> Central Highlands LDMG, Rockhampton LDMG and EMQ are continuing to provide media releases and public safety messages for affected communities. Local SES groups have conducted further door knocks of sections of the following areas identified as potentially at risk of inundation should flood waters continue to rise. The next Meeting of the Rockhampton LDMG is scheduled for 8am on Monday 13 December. A number of local roads in RLDMG area are closed at this time. No impact on major roads/highways at this time (other than earlier closure of Capricorn Highway as reported above). A confirmed fish-kill of approximately 5,000 fish (barramundi and boney bream predominantly) in the Woolwash impoundment at Port Curtis as a result of inflows of high nutrient flood waters and inundation and decay of vegetation. 						

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Tue 14 December	<p>South Western Region:</p> <ul style="list-style-type: none"> LDMGs and SES across the EMQ South West Region, monitoring the ongoing weather situation and possible further flooding. Creeks and rivers continue to flow steadily with minor to moderate flooding occurring in some areas. In general the ground is heavily saturated and any rainfall results in run-off. Nil Problems reported at this stage. Situation stable at this stage – rivers are rising in certain areas but continue to fall in previous areas of concern – situation dependant on rainfall received over the next few days. <p>North Coast region:</p> <ul style="list-style-type: none"> Weather has eased off. EMQ North Coast Region, Monitoring the ongoing weather situation and possible further flooding. <p>Central Region:</p> <ul style="list-style-type: none"> Rockhampton - The Rockhampton City river gauge was at a height of 7.15m at 3:01pm today (Monday) (minor flood level). The river rises are continuing slower than expected with peak not expected until at least Thursday. BOM have indicated falls of over 100mm had been recorded over the weekend in the catchment and this water may result in a 	<p>Flood Warnings are current for the following rivers:</p> <p>Fitzroy River Basin: Major flood levels are occurring along Juandah Creek and along the Dawson River at Taroom. Flood levels along the lower Dawson river will fall and rise again this week. Renewed rises are also occurring in the Connors/Isaac River. Renewed rises should be expected along the Mackenzie although not to levels of last week. River rises causing minor to moderate flooding are expected for the remainder of the week between Riverslea and Yaamba. The Fitzroy River at Rockhampton is expected to peak up to 7.8 metres this week, probably on Thursday. River levels will remain above minor flood level into next week.</p> <p>Condamine, Balonne and Maranoa Rivers: Minor flooding continues along the Upper Condamine River. Renewed rises and moderate flooding is occurring along Dogwood Creek and also along the Maranoa River in the Mitchell area. Major flooding continues on the lower Balonne River at St George with renewed rises and continued high river levels going into next week. Major flooding continues downstream in the Whyenbah area.</p> <p>Warrego River: Moderate flood levels continue at Augathella. Moderate flood levels are also continuing along the Nive River at Biddenham. River levels at Charleville are forecast to reach just above 6 metres</p>	<p>Upper Murray Alert 59mm Emerald Crest 58mm Lockhart 29mm Marlborough TM 30mm Wilson's Peak alert 57mm</p>	<p>151 calls were made to SES 132 500 in the period since 05.00am Monday.</p> <ul style="list-style-type: none"> Brisbane 16 Rockhampton 14 Bundaberg/Burnett 16 	<p>SDCC: - Leaning Forward. DDMGs: - Nil Activated. LDMGs: -</p> <ul style="list-style-type: none"> Central Highlands LDMG Stand up. Banana Shire LDMG Stand up. Rockhampton LDMG Stand up. Quilpie LDMG Alert Roma LDMG Alert. Murweh LDMG Stand up. 	<p><i>Courier Mail Reports</i> Floodgates opened at Wivenhoe Dam as more heavy downpours are expected http://www.couriermail.com.au/news/queensland/floodgates-opened-at-wivenhoe-dam-as-more-heavy-downpours-are-expected/story-e6fregof-1225970414239</p>	Nil

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	<p>secondary peak in the Fitzroy River later in the week. Riverslea appears to have peaked but is subject to further assessment and advice from BoM. BoM maintains predictions of up to a 7.8m peak (moderate flood level) at Rockhampton gauge with levels remaining above 7m into next week and 14.2m at Yaamba gauge (moderate flood level) during this week.</p> <ul style="list-style-type: none"> Central highlands - Continuing recovery operations, CHLDMG is on standby for any events which may occur as a result of the weather. The damage to Council roads and infrastructure is estimated to be significant. Central Highlands LDMG, Rockhampton LDMG and EMQ are continuing to provide media releases and public safety messages for affected communities. A number of local roads in RLDMG area are closed at this time. No impact on major roads/highways at this time. 	<p>late Tuesday into Wednesday. Moderate flood levels are forecast for Bakers Bend this week and major flood levels should be expected at Cunnamulla late in the weekend.</p> <p>Paroo River: Renewed rises are causing moderate flood levels in the Paroo River at Eulo. Minor to moderate flooding continues to ease slowly downstream between Caiwarro and Hungerford, with some renewed rises during this week.</p> <p>Coastal rivers – Maryborough to Gold Coast: A heavy rain band has cleared the region and is currently lying off the coast, leaving isolated showers and afternoon storms. Stream levels are expected to continue to ease across the coastal and adjacent inland catchments from Maryborough to Brisbane.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: Moderate to major flood levels peaked during Sunday on the Barcoo River between Blackall and Coolagh and are falling. Major flood levels continue to rise at Isisford. River levels downstream of Isisford are expected to rise as floodwaters move downstream.</p> <p>Bulloo River: Rainfall recorded late last week is producing river level rises and minor to moderate flooding between Quilpie and Thargomindah. Moderate flood levels are possible between Autumnvale and Thargomindah during this week.</p>					

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Wed 15 December	<p>Search – North Coast:</p> <ul style="list-style-type: none"> Tuesday evening (14 December) QPS requested SES assistance in the search for a 13yo boy missing at Montville on the North Coast. The boy has not been seen since 1730hrs. SES have had 25 Members from Maleny, Caloundra, Nambour and Maroochydhore in the field overnight. QPS have now (0300hrs) requested that the search be ramped up. The North Coast Region Duty Officer is sourcing other SES Members to join the search this morning. <p>Central Region:</p> <ul style="list-style-type: none"> Rockhampton – Next LDMG 0800 15/12/10. River heights continue to rise - current prediction remains at 7.8mtrs (see below). All preparations are in place. Residents in flood prone areas have been advised by letter drops. Seven drivers were fined Tuesday morning for driving through floodwaters on Lakes Creek Road, Rockhampton after driving around road closed signs. Banana - Banana Shire LDMG continues to monitor. Taroom, Theodore and Moura River levels dropping. Theodore and Moura will rise again due to rain event over the weekend. These levels are not 	<p>Flood Warnings are current for the following rivers:</p> <p>Fitzroy River Basin: Flood levels along the lower Dawson river will fall and rise again this week. Renewed rises are also occurring in the Connors/Isaac River. Flood levels at Taroom are falling and will continue to do so. The Fitzroy River at Rockhampton is expected to peak up to 7.8 metres this week, probably on Thursday (currently at 7.55m, Major Flood is 8.5m). River levels will remain above the minor flood level of 7 metres until at least 21/12/10.</p> <p>Condamine, Balonne and Maranoa Rivers: Minor to moderate flooding continues along the Upper Condamine River, along Dogwood, Bungil and Yuleba Creeks and also along the lower Maranoa River. Moderate flooding continues on the lower Balonne River at St George with renewed rises and continued high river levels expected going into next week. Major flooding continues downstream in the Whyanbah area.</p> <p>Warrego River: River levels at Charleville are forecast to reach up to 6 metres during Wednesday (the level reached in March 2010 was 6.65m). Moderate flood levels are forecast for Bakers Bend this week and major flood levels are likely at Cunnamulla late in the weekend. The Warrego River at Cunnamulla is likely to exceed the major flood level of 8 metres early next week (the level reached in March 2010 was 10m). Minor flood levels are falling along the Nive River.</p> <p>Paroo River: Moderate</p>	<p>Paluma (S of Ingham) 137mm Paluma Dam 64mm Crawford's Lookout (W of Innistail) 79mm Low Isles (off Port Douglas) 52mm</p>	<p>82 calls were made to SES 132 500 in the period since 05.00am Tuesday.</p> <ul style="list-style-type: none"> Brisbane 17 Rockhampton & Fitzroy 8 	<p>SDCC: - Leaning Forward. DDMGs: - Nil Activated. LDMGs: - Central Highlands LDMG Stand up. Banana Shire LDMG Stand up. Rockhampton LDMG Stand up. Quilpie LDMG Alert Roma LDMG Alert. Murweh LDMG Stand up.</p>	<p>ABC News Online reports: Three people have been rescued from the roofs of cars caught on flooded roads in central Queensland. Officers from a swift water rescue crew swam out to a car and rescued the man on the Dingo-Mount Flora Road at May Downs in the Central Highlands, just after 6am (AEST). http://www.abc.net.au/news/stories/2010/12/14/3092823.htm</p> <p>The Courier Mail Online reports: A 13-year-old boy has gone missing from his home in Montville overnight. Josaph Prisk was last seen by family riding his bike outside his home on Balmoral Road, Montville at 5.30pm. Police, SES and volunteers searched the area, which is described as rough terrain, with rescue helicopter support, but failed to locate the boy. The search for the boy continues. http://www.couriermail.com.au/news/queensland/bmx-boy-vanishes-from-outside-home-at-montville/story-e6freool-1225971255248</p> <p>The Courier Mail Online reports: THE rain has all but dried up over sodden central Queensland but flooding continues to cause problems for farmers, motorists and emergency workers. Cotton growers estimate they have lost 1000 hectares of crops to flooding in a week and say it is hard to put a figure on the cost. http://www.couriermail.com.au/news/rain-stops-but-floods-still-bite-in-central-queensland/story-e6freon6-1225970976456</p>	Nil

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	<p>predicted to cause major concerns for the respective townships.</p> <ul style="list-style-type: none"> Central highlands - Central Highlands Regional Council currently monitoring the situation - LDCC has not activated. Approximately 7 properties remain isolated on Apis Creek Road north of Duaringa. A number of local roads in RLDMG area are closed at this time. No impact on major roads/highways at this time. <p>South Western Region:</p> <ul style="list-style-type: none"> Murweh Shire LDMG met again Monday afternoon and formally activated their plan to assist with RFA's for aerial resupply of food and medication to isolated rural properties (north of Augathella), and also in anticipation of the potential need to close the levee and associated major roads. Both the LDMG and SES will continue to monitor the flood waters and respond to RFA's as required. Roma QAS requested assistance from the Maranoa RC LDMG with aerial evacuation (rotary wing) of a male person with a possible medical condition from "Muldoon" (via Mungallialla) to Mitchell, he was evacuated by helicopter Tuesday morning. Both the 	<p>flooding remains steady on the Paroo River at Eulo. Minor to moderate flooding continues downstream between Caiwarro and Hungerford, with some renewed rises expected during this week.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: Moderate to major flood levels continue on the Barcoo River between Blackall and Isisford and are currently steady. Moderate to major flood levels are rising between Oma and Wahroongha. River levels downstream of Wahroongha are expected to rise as floodwaters move downstream.</p> <p>Bulloo River: Major flood levels continue at Quilpie. Moderate flood levels should be expected downstream at South Comongin, Autumnvale and Thargomindah during the next 7 days. Flood Warnings are also current for the Burnett Catchment, Baffle Creek, and the Weir and Moonie Rivers.</p>					

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	<p>LDMG and SES will remain on "Alert" to monitor the situation.</p> <ul style="list-style-type: none"> St George - Nil problems reported. Southern Downs (Warwick / Stanthorpe) continues to monitor river / creek levels. Situation easing although some roads remain cut due to water over roads. No houses threatened. The highway at Cunningham's Gap is closed due to a landslide and is expected to be closed for some time. <p>Brisbane Region:</p> <ul style="list-style-type: none"> SEQ Water advised that there was to be a release of water from North Pine Dam at 7pm Tuesday 14 December. MBRC crews were to install warning signage from 6pm and close Youngs Crossing Road just before 7pm. It is anticipated that the road will be reopened at approximately 6.30am Wednesday morning, 15 December. 						

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Thu 16 December	<p>Search – Far North Queensland:</p> <ul style="list-style-type: none"> FNQ Region Duty Officer reports that a kayaker has gone missing after paddling over the Barron Falls near Kuranda (Atherton Tablelands W of Cairns). His kayak has been located and QPS hold grave fears for his safety. Swift water Rescue teams could not get into the area at night, so QPS requested that SES Members be positioned on the Barron Gorge Power Station Bridge to shine torches into the water and hopefully locate the missing man. The first team of 9 Members was there until 0100hrs this morning when the next team of approx 8 Members was due to take over until 0700hrs. <p>Central Region:</p> <ul style="list-style-type: none"> Rockhampton – LDMG met at 8am Wednesday and decided the Local Disaster Coordination Centre would NOT be activated at this stage – with public enquiries to be handled via Councils customer service facilities. The next meeting of the LDMG is scheduled for Friday 17/12/10 at 8am. Rockhampton Showgrounds have been made available for housing of livestock from affected 	<p>A Severe Thunderstorm Warning for DAMAGING WIND and FLASH FLOODING is current for people in parts of the Gulf Country and Northwest Forecast Districts. Locations which may be affected include Cloncurry and Julia Creek.</p> <p>Flood Warnings are current for the following rivers:</p> <p>Fitzroy River Basin: River levels are rising again between Glebe and Theodore along the Dawson River. A moderate flood peak is expected at Yatton on the Isaac River today. Minor to moderate flooding is expected for the remainder of the week between Riverslea and Rockhampton. The Fitzroy River at Rockhampton is expected to peak up to 7.8 metres during the next 24 hours. Once a peak has been observed, river levels will fall very slowly and will remain above the minor flood level of 7 metres until at least 21/12/10.</p> <p>Condamine, Balonne and Maranoa Rivers: Minor to moderate flooding continues along the Upper Condamine River, along Dogwood, Bungil and Yuleba Creeks, and also along the lower Maranoa River. Moderate to major flooding extends along the Balonne River between Warkon and Weribone. Renewed river level rises and moderate flood levels are being recorded in the lower Balonne River at St George. Minor to moderate flooding continues downstream of St George.</p> <p>Warrego River: River levels at Charleville peaked on</p>	<p>279 calls were made to SES 132 500 in the period since 05.00am Wednesday:</p> <ul style="list-style-type: none"> Logan 103 Brisbane 57 Beauesert 25 Gold Coast 18 	<p>279 calls were made to SES 132 500 in the period since 05.00am Wednesday:</p> <ul style="list-style-type: none"> Logan 103 Brisbane 57 Beauesert 25 Gold Coast 18 	<p>SDCC: Leaning Forward.</p> <p>DDMGs: Nil Activated.</p> <p>LDMGs:</p> <p>Central Highlands – Alert</p> <p>Banana Shire – Stand Down</p> <p>Rockhampton – Alert</p> <p>Quilpie – Alert</p> <p>Roma – Alert</p> <p>Murweh – Stand Down</p>	<p><i>The Courier Mail Online reports:</i> BRISBANE residents are being warned to take out flood insurance and move precious possessions out of homes in known flood zones with predictions the holiday season will be marred by disaster. Lord Mayor Campbell Newman says he is more concerned than ever this holiday period could bring flood devastation similar to the infamous 1974 floods.</p> <p>http://www.couriermail.com.au/news/queensland/lord-mayor-campbell-newman-warns-brisbane-residents-of-holiday-floods/story-e6freaof-1225971757071</p> <p><i>The Courier Mail Online reports:</i> SOUTHEAST Queensland is bracing for more storms after cricket ball-sized hail, lightning and strong winds lashed the region yesterday. The storm cell knocked out power to 35,000 homes and businesses as it swept through the region. A motorcyclist died in a crash with a car during a severe hailstorm on Mt Cotton Rd in Thornlands, south of Brisbane, police said.</p> <p>http://www.couriermail.com.au/news/queensland/late-thunderstorms-tipped-for-brisbane-region-weatherzone/story-e6freaof-1225971615606</p> <p><i>ABC News Online reports:</i> Wild weather has rocked south-east Queensland, with suburbs around Brisbane experiencing thunderstorms, damaging winds and large hailstones. Around 35,000 homes were affected by blackouts after strong winds</p>	Nil

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	<ul style="list-style-type: none"> properties. Queensland Police continue to monitor community disobedience with road closure signs where water is over roads. A number of local roads closed at this time. Lakes Creek Road, North Rockhampton is the only major road impacted at this stage and is open to heavy vehicles only. Detours are in place for local and smaller traffic. Some residential properties in the low lying areas of Depot Hill and Port Curtis have received minor inundation under houses and within yards. Situation continues to be monitored by RLDMG. Inundation in this area is usual for this level and type of event. Central highlands - Continuing recovery operations. CHLDMG is on standby for any events which may occur as a result of adverse weather. <p>South Western Region:</p> <ul style="list-style-type: none"> Situation stable at this stage – rivers are rising in certain areas but continue to fall in previous areas of concern – situation dependant on rainfall received over the next few days. The weather outlook is mostly fine with a chance of showers/storms across various parts of 	<p>Wednesday and are falling slowly. Major flood levels are likely at Cunnamulla late in the weekend. Minor flood levels are falling along the Nive River.</p> <p>Paroo River: Moderate flooding continues to rise in the Paroo River at Eulo. Moderate flooding continues downstream between Caiwarro and Hungerford, with some renewed rises expected this week.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: Moderate to major flooding continues to ease on the Barcoo River between Coolagh and Oma. Minor to moderate flood levels are rising downstream between Wahroongha and Retreat, with the flood peak currently approaching the Wahroongha area. Minor flooding continues on the upper Barcoo River between Duneira and Blackall. Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.</p> <p>Bulloo River: Moderate flood levels should be expected at Autumnvale and Thargomindah during the week. Levels are expected to continue to fall at Quilpie.</p> <p>Flood Warnings are also current for Baffle Creek and Moonie River.</p>				<p>and lightning strikes damaged power lines yesterday.</p> <p>http://www.abc.net.au/news/stories/2010/12/15/3094183.htm</p> <p><i>The Gold Coast Bulletin reports:</i> THE Gold Coast is bracing for four days of storms after a super cell storm hit just north of the city late yesterday. Hail hit the areas around Logan, injuring at least three people. Temperatures on the Coast are expected to peak at 31 degrees with afternoon storms tipped for the next four days.</p> <p>http://www.goldcoast.com.au/article/2010/12/16/276965_gold-coast-news.html</p> <p><i>The Rockhampton Morning Bulletin reports:</i> ESTIMATES of flood damage to crops and infrastructure in Central Queensland reached \$900 million yesterday. The State Government has predicted costs to roads, bridges, fences and other infrastructure at \$600 million, while the latest figures to emerge yesterday from agricultural group AgForce put crop and property damage at a further \$300 million.</p> <p>http://www.themorningbulletin.com.au/story/2010/12/16/floods-costs-mount-up/</p> <p><i>The Courier Mail Online reports:</i> WILD weather that rocked southeast Queensland has subsided but the reprieve may be short-lived, with more severe thunderstorms predicted. The Bureau of Meteorology (BoM) says an unstable atmosphere means a second wave of storms is likely to</p>	

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	<p>South West Region for the next two days, isolated showers and thunderstorms expected on Thursday-Friday to the West including Charleville and Roma.</p> <ul style="list-style-type: none"> Both LDMGs and SES will remain on "Alert" and continue to monitor flood levels across the region. St George / Balonne: Moderate to major flooding still occurring throughout the Shire with several of their secondary roads being inundated. Local Government have made application for NDRRA to assist with road damage. All of their communities (St George, Dirranbandi, Thallon, Mungindi, and Bollon) are still accessible. Southern Downs (Warwick / Stanthorpe) continues to monitor river / creek levels. Situation easing although some roads remain cut due to water over roads. No houses threatened. The highway at Cunningham's Gap is closed due to a landslide and is expected to be closed for some time. <p>South Eastern / Brisbane / North Coast Regions:</p> <ul style="list-style-type: none"> At 2.11pm Wednesday 15 December a Severe Thunderstorm Warning was issued for damaging winds, flash flooding and large hailstones. Subsequently 19 more 					<p>develop inland, mostly west of Brisbane this afternoon. Hail and damaging winds are expected, senior forecaster Brett Harrison said.</p> <p>http://www.couriermail.com.au/news/breaking-news/more-wild-weather-on-way-for-queensland/story-e6freont-1225971856264</p>	

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	<p>Warnings were issued. The Bureau reported hail between golf and tennis ball size from the Logan and Bethania areas.</p> <p>More than 35,000 homes lost power – mainly in Logan and Beenleigh. Currently only 1,761 homes are still without power.</p>						

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Fri 17 December	<p>Flooding:</p> <p>Rockhampton:</p> <ul style="list-style-type: none"> LDMG met at 8am Wednesday and decided the Local Disaster Coordination Centre would NOT be activated at this stage – with public enquiries to be handled via Councils customer service facilities. The next meeting of the LDMG is scheduled for Friday 17/12/10 at 8am. Some residential properties in the low lying areas of Depot Hill and Port Curtis have received minor inundation under houses and within yards. Situation continues to be monitored by RLDMG. Inundation in this area is usual for this level and type of event. <p>Central Highlands:</p> <ul style="list-style-type: none"> Continuing recovery operations. CHLDMG is on standby for any events which may occur as a result of adverse weather. <p>South Western Region:</p> <ul style="list-style-type: none"> Flood situation stable at this stage – rivers are rising in certain areas but continue to fall in previous areas of concern – situation dependant on rainfall received over the next few days. Both LDMGs and SES will remain on "Alert" and continue to monitor flood levels across the region. <p>Severe Thunderstorms:</p> <ul style="list-style-type: none"> Severe thunderstorms 	<p>Flood Warnings are current for the following rivers:</p> <p>Fitzroy River Basin: River levels are rising again between Gyandra and Theodore along the Dawson River. Minor to moderate flooding is expected through the weekend between Riverslea and Rockhampton. The Fitzroy River at Rockhampton is expected to remain around current levels of 7.6 metres for at least 24 hours. River levels will fall very slowly and will remain above the minor flood level of 7 metres until at least 21/12/10.</p> <p>Condamine, Balonne and Maranoa Rivers: Minor flooding continues along the Upper Condamine River, and also along the lower Maranoa River at Old Cashmere. Moderate flooding extends along the Balonne River downstream from Cotswold through to Beardmore Dam, with major flood levels rising at Warkon. Moderate flood levels are being recorded in the lower Balonne River at St George with some renewed rises which will maintain high river levels going into next week. Minor to moderate flooding continues downstream of St George.</p> <p>Warrego River: Minor to moderate flood levels are forecast for the Lower Warrego into the weekend with major flood levels likely at Cunnamulla late in the weekend. Minor flood levels are falling along the Nive River and along the Upper Warrego from The 27 Mile Garden to Charleville.</p> <p>Paroo River: Moderate flooding continues to rise in the Paroo River at Eulo with</p>	<p>Cherry Park (nr St George) 58mm</p> <p>Hazeldean (w of Gladstone) 45mm</p> <p>Drumduff (SE of Kowanyama) 41mm</p> <p>Mt Stanley (nr Kingaroy) 38mm</p> <p>Brigalow Bridge (nr Miles) 35mm</p> <p>Upper Black River (Townsville) 32mm</p> <p>Byrnestown (nr Munduberra) 31mm</p>	<p>1008 calls were made to SES 132 500 in the period since 05.00am Thursday:</p> <ul style="list-style-type: none"> Brisbane 269 Logan 123 Ipswich 111 Maroochydore 74 	<p>SDCC: Leaning Forward.</p> <p>DDMGs: Nil Activated.</p> <p>LDMGs:</p> <p>Central Highlands - Alert</p> <p>Rockhampton - Alert</p> <p>Quilpie - Alert</p> <p>Roma - Alert</p> <p>Murweh - Stand up</p>	<p><i>The Courier Mail Online reports:</i> A third straight day of storm chaos is set to hit southeast Queensland today as relief crews and insurers scour a battle-scarred region. The weather bureau predicts more thunderstorms and hail over the Darling Downs this afternoon before again heading east, threatening further havoc for hundreds of thousands of residents this weekend. A staggering 28,000 lightning strikes were recorded in the region yesterday, and at the peak, a series of storms felled 200 power lines, cutting power to 82,000 homes. Energex crews are still scrambling this morning to restore power.</p> <p>http://www.couriermail.com.au/news/queensland/more-storm-predicted-for-southeast-queensland-for-third-straight-day/story-e6f9e00f-1225972403769</p> <p><i>ABC News Online reports:</i> Super storm cells are continuing to blast pockets of south-east Queensland, with emergency crews bracing for a hectic night, particularly on the Sunshine Coast. Andrew Wyatt from Emergency Management Queensland said the State Emergency Service (SES) had 80 jobs in Sunshine Coast towns on Thursday evening until 8:00pm (AEST). Most jobs were leaking roofs and fallen trees over houses, roads and driveways.</p> <p>http://www.abc.net.au/news/stories/2010/12/16/3095403.htm</p> <p><i>The South-East Advertiser reports:</i> Emergency Management Queensland Assistant Director-General Bruce Grady reminded residents of the dangers of</p>	Nil

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	<p>impacted four regions throughout Thursday, with the final warning cancelled at 1.59am Friday.</p> <p>South Western Region</p> <ul style="list-style-type: none">Inglewood was reported at 10.00pm as being without power since 4pm. Ergon are working on this localised issue. <p>South Eastern Region:</p> <ul style="list-style-type: none">There were a total of 345 requests for assistance in the region, of which 66 remained outstanding at 11.00pm Thursday.Brisbane Region SES Groups deployed 20 height safety qualified personnel to assist Logan East Group. In total 20 SES volunteers.17 SES members from North Coast Region will travel to South East on Friday morning to assist Logan with outstanding jobs. <p>Brisbane Region:</p> <ul style="list-style-type: none">Many of the Brisbane activations were for trees down on power lines. Delays were experienced with many of these due to the large volume of tasking placed on Energex.Brisbane LDCC was active for a time, and the DDMG were monitoring the situation. <p>North Coast Region:</p> <ul style="list-style-type: none">In the period from 09.00am to 10.30pm SES received and responded to 84 Storm Damage tasks across	<p>major flood levels a possibility in the next 24 hours. Minor to moderate flooding continues downstream between Caiwarro and Hungerford, with renewed rises expected through the weekend. Moderate flood levels continue to rise at Eulo. Major flood levels may be reached into Friday.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: Moderate to major flooding continues to ease on the Barcoo River between Coolagh and Wahrengha. Moderate flood levels are rising downstream between Glenlock and Retreat, with the flood peak currently approaching the Glenlock area. Minor flooding continues on the upper Barcoo River at Blackall.</p> <p>Minor flooding continues on the Thomson River between Stonehenge and Jundah, with moderate flooding easing downstream on the Cooper Creek at Windorah.</p> <p>Moonie River: River levels continue to rise at Flinton where levels are approaching the moderate flood level. Minor flood levels are forecast to continue into the weekend at Mt Driven with further rises to the moderate flood level likely. At Thallon, river levels are likely to reach the minor flood level into the weekend. River level rises will occur at Fenton through the weekend and next week.</p> <p>Bulloo River: Moderate flood levels should be expected at Autumnvale and Thargomindah during the weekend and into next week. Levels are expected to continue to fall at Quilpie.</p>					<p>being caught in severe weather and to take the appropriate steps today to ensure they are prepared.</p> <p>'Storm and cyclone season is well and truly here and it is vital people listen closely to warnings issued by the Bureau of Meteorology and act on the advice given by emergency authorities by securing loose outdoor items, moving cars under cover or away from trees, seek shelter and beware of fallen trees and powerlines.'</p> <p>http://south-east-advertiser.wherelive.com.au/news/story/more-wild-weather-on-the-way/</p> <p><i>The Warwick Daily News reports:</i> A FIERCE hail storm smashed the Granite Belt yesterday morning and a thunderstorm hit in the afternoon, leaving businesses with minor flooding and without power, and some were hit by lightning bolts. Large hail pelted the CBD about 10.30am and residents were left in awe at the strength of the downpour, which lasted 10 minutes. Bureau of Meteorology senior forecaster Vikash Prasard said the storm hit the region quickly, but with force. "Wind gusts of 75 kilometres an hour were recorded at Applethorpe and there wasn't much rainfall," he said.</p> <p>http://www.warwickdailynews.com.au/story/2010/12/17/hail-lightning-hits-granite-belt-storm-fierce/</p>	

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	<ul style="list-style-type: none"> North Coast Region. North Coast Region's Operations Room was active with five EMQ staff from 04.00pm to 10.30pm, and then reverted back to the normal Duty Officer system. <p>Energex</p> <ul style="list-style-type: none"> As at 04.45am Friday, Energex reported a total of 11394 customers without power. <p>SES Activations.</p> <ul style="list-style-type: none"> A total of 530 storm damage operations jobs were completed across the four regions impacted by storms on Thursday. 312 SES members were involved. For more details, please see the attached table. 	Moderate flood levels are falling at Quilpie.					

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Sat 18 December	<p>Severe Thunderstorms:</p> <ul style="list-style-type: none"> Severe thunderstorms impacted five EMQ Regions during Friday; Central, South Western, Brisbane, South East and North Coast. As at 04.45am Saturday, Energex reported there were no customers without power. 	<p>Flood Warnings are current for the following rivers:</p> <p>Fitzroy River Basin: River levels are rising again between Theodore and Moura along the Dawson River. River levels at Rockhampton are expected to fall extremely slowly through the weekend. Minor flood levels will continue to ease downstream of Bedford Weir to Riverslea on the Mackenzie River. Moderate flood levels at Yatton on the Isaac River will continue to fall.</p> <p>Condamine, Balonne and Maranoa Rivers: Minor flooding continues along the Upper Condamine River, with moderate flooding rising in the lower Maranoa River at Old Cashmere. Moderate flooding extends along the Balonne River downstream from Cotswold through to Beardmore Dam, with major flood levels at a peak at Warkon. Major flood levels are being recorded in the lower Balonne River at St George with some renewed rises which will maintain high river levels going into next week. Minor to moderate flooding continues downstream of St George.</p> <p>Warrego River: Minor to moderate flood levels are forecast for the Lower Warrego into the weekend with major flood levels likely at Cunnamulla late in the weekend. Minor flood levels are falling along the Nive, upper Warrego, Ward and Langlo Rivers. Minor flood levels are falling at Bakers Bend. The peak is currently at Wyandra where minor flood levels will continue until Sunday. Moderate flood levels are occurring at</p>	<p>Woffedene (Nr Waterford) 67mm</p> <p>Hazeldean Alert (Esk) 61mm</p> <p>Echo Hills (nr Alpha) 53mm</p> <p>Westvale Alert (Esk) 51mm</p>	<p>415 calls were made to SES 132 500 in the period since 05.00am Friday:</p> <ul style="list-style-type: none"> Brisbane 80 Logan 56 	<p>SDCC: Leaning Forward.</p> <p>DDMGs: Nil Activated.</p> <p>LDMGs:</p> <p>Central Highlands - Alert</p> <p>Rockhampton - Alert</p> <p>Quilpie - Alert</p> <p>Roma - Alert</p> <p>Murweh - Stand up</p>	<p><i>The Brisbane Times reports:</i></p> <p>One week out from Christmas Day and signs aren't looking good for a sunny day in Brisbane. Scattered showers are expected on both Christmas Eve and Christmas Day despite the storm pattern which has terrorised the region this week expected to move off the coast on Monday. Weatherzone meteorologist Doug Fenton predicted possible showers next Saturday with plenty of clouds hanging about.</p> <p>http://www.brisbanetimes.com.au/queensland/dreaming-of-a-wet-christmas-20101217-190n1.html</p> <p><i>ABC News Online reports:</i></p> <p>Severe storms have eased in south-east Queensland after the region was hit by more than 12,000 lightning strikes. More than 8,000 homes and businesses remain without power due to the "rapid fire" lightning storms, with electricity workers working through Friday night to restore power.</p> <p>http://www.abc.net.au/news/stories/2010/12/17/3096547.htm</p> <p><i>The Courier Mail reports:</i></p> <p>Southeast Queensland residents are being warned to brace for more storms today as the mercury tops 30C. SES crews were yesterday working through the last of about 500 jobs across the southeast from the week's storm damage. SES worker Eddie Bennet said crews working in Logan and Ipswich had come down from as far as Gympie and Kingaroy to help. Maroochy SES controller Fred Reuter said that a storm front rumbled through soon after</p>	Nil

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
		<p>Wallen with a peak expected early Saturday.</p> <p>Paroo River: Moderate flood levels have peaked in the Paroo River at Eulo. Minor to moderate flooding continues downstream between Caiwarro and Hungerford, with renewed rises expected to continue during the weekend. Moderate flood levels at Eulo recorded a peak on Friday, with further small rises expected at Caiwarro during the weekend.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: Moderate to major flooding continues to ease on the Barcoo River between Coolagh and Wahroonga, with moderate to major flood levels rising downstream between Glenlock and Retreat, with the flood peak currently in the Glenlock area. Minor flooding continues on the Thomson River between Stonehenge and Jundah, with moderate flood levels occurring further downstream on the Cooper Creek at Windorah.</p> <p>Moonte River: Minor flood levels are forecast to continue into the weekend at Mt Driven with further rises expected. Rises are likely at Nindigully Bridge over the weekend. At Thallon, river levels are likely to reach the minor flood level late in the weekend. River level rises will occur at Fenton through the weekend and next week with minor flooding.</p> <p>Bulloo River: Moderate flood levels should be expected at Autumnvale and Thargomindah during the weekend and into next week. Levels are expected to continue to fall at Quilpie.</p>				<p>5pm, producing some rain, lightning and strong wind gusts for a brief period, but luckily there was no hail.</p> <p>http://www.couriermail.com.au/news/queensland/no-end-in-sight-to-storm-turmoil-with-more-bad-weather-tipped-for-christmas/story-e6fr00t-1225972953198</p> <p><i>The Courier Mail reports:</i></p> <p>Killer cyclones feared off Qld coast as La Nina weather pattern goes into full swing. They have names like Dinah, Ada, Althea, Wanda and Larry. They're unpredictable, destructive and sometimes are killers. Mention the name Wanda to someone who lived in Brisbane in 1974, and you will hear stories of a great flood that inundated the city and left 14 people dead. The name Larry also brings memories of devastation to the people of Innisfail, Silkwood and Mourilyan in north Queensland. In the next few months, more names may be added to the list of cyclones that have hit the Queensland coast with force since the early 1960s.</p> <p>http://www.couriermail.com.au/news/features/killer-cyclones-feared-off-old-coast-as-la-nina-weather-pattern-goes-into-full-swing/story-e6fr00t-1225972572705</p>	

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0600hr previous day)	SES 132-500 Calls (since 0600hr previous day)	DM System Activation Status	Media	Flood Related Deaths
		Minor flood levels are falling at Quilpie.					

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Sun 19 December	<p>Severe Thunderstorms:</p> <ul style="list-style-type: none"> Severe thunderstorms impacted four EMQ Regions during Saturday; Central, South Western, Brisbane, and North Coast. South East Region have nil jobs outstanding. During Saturday 65 members completed 47 jobs. North Coast Region carried out 20 storm related jobs on Saturday, activating 33 volunteers. Brisbane Region SES carried out 14 storm damage operations jobs on Saturday, activating 33 members. 	<p>Flood Warnings are current for the following rivers:</p> <p>Fitzroy River Basin: Steady rises have been noted in the Upper Dawson River and Juandah Creek with minor flooding at Windamere. Moderate flooding continues on the Dawson River from Glebe to Moura with the flood peak currently in the Woodleigh area. Major flooding continues on the Dawson River in the Baralaba area. Steady rises have also occurred in Sandy Creek at Clermont. Further rises are expected along Sandy and Theresa Creeks but levels are expected to remain below minor. River levels at Rockhampton have eased to minor and will continue to fall slowly over the weekend. Minor flood levels will continue to ease downstream of Bedford Weir to Riverslea on the Mackenzie River. Moderate flood levels at Yatton on the Isaac River will continue to fall.</p> <p>Condamine, Balonne and Maranoa Rivers: Fast stream rises have occurred in the Myall Creek area, with some minor flooding at Daiby. Elsewhere minor to moderate flooding continues along the Upper Condamine River. Moderate flooding extends along the Balonne River downstream from Cotswold through to Beardmore Dam, with major flood levels easing at Warkon. Major flood levels remain steady in the lower Balonne River at St George with some renewed rises which will maintain high river levels going into next week. Moderate to major flooding continues downstream from</p>	<p>Taemas (nr Belyando) 116mm Coops Corner (nr Noosa) 91mm Halifax 88mm Cockenzie (nr Nebo) 78mm Mourilyan Mill (Innisfail) 73mm Kenilworth 72mm Comet Weir (nr Emerald) 68mm</p>	<p>179 calls were made to SES 132 500 in the period since 05.00am Saturday:</p> <ul style="list-style-type: none"> Maroochy 19 Brisbane 16 	<p>SDCC: Leaning Forward. DDMGs: Nil Activated. LDMGs: Rockhampton - Alert Quilpie - Alert Roma - Alert Murweh - Stand up</p>	<p>ABC News Online reports: Energex crews are taking a well earned break after restoring power to 175,000 consumers blacked out after three days of storms lashed Queensland's south east. All 32,000 properties that were blacked out during Friday's storms have been reconnected. The State Emergency Service (SES) had only 18 requests for help with storm damage outstanding on Saturday morning, mainly on the Gold Coast and Logan, south of Brisbane. A spokesman reported a relatively quiet night compared to the past few days. http://www.abc.net.au/news/stories/2010/12/18/3096875.htm</p> <p>The Courier Mail reports: The massive damages bill from six months of wild weather across the state has reached \$600 million, with 21 regional councils to receive emergency assistance after being declared disaster zones. The huge payout is expected to significantly increase if Queensland is pounded by more storms, heavy rain and cyclones over the next three months, as predicted by weather experts. The \$598.55 million bill (July 1-December 2010) will likely rise as councils and government agencies take stock of losses. Emergency Services Minister Neil Roberts said it was shaping up to be a record-breaking year for wild weather in Queensland. http://www.couriermail.com.au/news/queensland/battered-state-left-with-costly-clean-up-bill-of-600-million-following-summer-</p>	Nil

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		<p>St George.</p> <p>Warrego River: Minor to moderate flooding is occurring along the lower Warrego River, where the flood peak is currently in the Wallen area. A major flood peak is expected at Cunnamulla during Sunday. Minor flooding continues to ease on the Ward River at Oakpark.</p> <p>Paroo River: Moderate flooding peaked in the Paroo river at Eulo during Friday and is expected to continue downstream to Hungerford during the week.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: Heavy rainfall during the week has caused rises in Cornish Creek at Bowen Downs with rises and minor flooding expected to develop downstream to Camoola Park and Longreach by late next week. Minor flooding continues on the Thompson river at Jundah, with moderate flood levels occurring further downstream on the Cooper Creek at Windorah. Further rises in the Upper Barcoo River around Blackall are expected early next week. Moderate flooding continues to ease on the Barcoo River between Coolagh and Wahroonga. A moderate flood peak is currently in the Glenlock area with further rises and major flooding downstream at Retreat.</p> <p>Moonie River: Minor flooding is occurring along the Moonie River between Flinton and Nindigully, with the flood peak currently in the Mt Driven area. Minor flooding will develop further downstream in the Thallon to Fenton area early next week.</p>				<p>storms/story-e6f9e0of-1225973214001</p> <p><i>Sunshine Coast Daily reports:</i> Storms lingered over the Sunshine Coast last night but mostly didn't quite pack the punch of the hail-laden ones of the previous day. A cluster of storms moved through around 5pm, but had weakened significantly by the time they reached the Coast. Energex and SES were out in force yesterday to restore power and repair the damage cause by the destruction of Thursday's storms which featured around 24,000 lightning strikes.</p> <p>http://www.sunshinecoastdaily.com.au/story/2010/12/18/coast-recovers-as-storm-weakens-weather-hail-storm/</p> <p><i>Courier Mail reports:</i> If it is going to be the wet and wild summer that everyone is predicting, get used to the latest weather buzzword: super cell. Weather forecasters are warning that more severe storms known as super cells are heading our way. Weatherzone meteorologist Josh Fisher said Queensland's weather, particularly in the southeast, was being influenced by phenomena favourable for severe storms. "The super cells (last week) were caused by a trough lingering over Queensland that mingled with the warm daytime temperatures and atmospheric instability," he said.</p> <p>http://www.couriermail.com.au/news/queensland/conditions-ripe-for-wild-summer-storms-with-more-supercells-expected/story-e6f9e0of-1225973260347</p>	

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		Bulloo River: River levels at Quilpie have now fallen below minor. Minor flooding continues along the Bulloo River from Autumnvale to Thargomindah with further rises and moderate flooding expected during the weekend and into next week.					

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Mon 20 December	<p>Heavy Rainfall Southeast Queensland: Continuous heavy rainfall during Sunday impacted three EMQ Regions: South Eastern, Brisbane, and North Coast.</p> <ul style="list-style-type: none"> South Eastern Region have nil jobs outstanding. During Sunday 23 SES members completed 31 jobs. Brisbane Region have nil jobs outstanding. During Sunday 51 SES members completed 28 jobs. North Coast Region have nil jobs outstanding. During Sunday 55 SES members completed 24 jobs. The Nanango SES Local Controller reported at midnight that the D'Aguiar Highway was closed in the centre of Nanango due to flooding. Sandy Creek was rising rapidly and QPS were considering the evacuation of 4 houses nearby. 	<p>Flood Warnings are current for the following rivers:</p> <p>Burnett River Catchment: Minor to moderate flooding is continuing with major flood levels forecast overnight along the Boyne and Stuart Rivers. Moderate flood levels are likely at Walla along the lower Burnett River. Major flood levels are occurring at Proston on the Stuart River and at Carters, Cooranga and Derra along the Boyne River. River levels of at least 8 metres should be expected at Cooranga and at least 6 metres at Derra early this week. Minor flood levels are likely at Boondooma Dam.</p> <p>Mary River: Heavy rainfall during Sunday has resulted in river level rises along the Mary River. A height of at least 10.5 metres at Gympie is expected during Monday with further rises possible (<i>this is below Moderate Flood Level which is 12m</i>). Minor flood levels will continue to rise at Fishermans Pocket with moderate flood levels forecast at Miva, Home Park and Tiaro this week.</p> <p>Don River: Rainfall totals of between 35-60mm have been recorded in the Don River catchment during the past 24 hours. This rainfall has produced river level rises in the Don River upstream of Bowen. Further rises are expected with minor flooding likely in the Don River at the Bowen Pump Station during Monday morning.</p> <p>Condamine and Balonne Rivers: Heavy rainfall during Sunday has led to fast rises throughout the Upper Condamine catchment. Major flooding is occurring in</p>	<p>Mt Stanley (SE of Kingaroy) 116mm Murgon 102mm Stewart River (S of Coen, Cape York) 70mm Bowen 58mm Woodleigh (W of Theodore) 67mm Coringa (nr Gayndah) 57mm Redcliffe 65mm Carbrook 63mm Upper Kedron 62mm Mt Glorious 65mm Inala 60mm Eight Mile Plains 65mm Brisbane 57mm</p>	<p>246 calls were made to SES 132 500 in the period since 05.00am Sunday:</p> <ul style="list-style-type: none"> Brisbane 44 Logan 22 Ipswich 16 Gold Coast 12 	<p>SDCC: Leaning Forward. DDMGs: Nil Activated. LDMGs: Rockhampton - Alert Quilpie - Alert Roma - Alert Murweh - Stand up</p>	Nil	<p>December 20, 2010 – Sherwood: 20 year old man drowned after diving into the Brisbane River during heavy rain in Brisbane. The river was running fast and his body was located a distance away from the incident location.</p>

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		<p>many of the tributaries of the upper Condamine River. At least minor flood levels are forecast for Dalby and moderate flood levels are estimated for Chinchilla early this week. Minor to moderate flooding continues along the Upper Condamine River at Centenary Bridge and between Loudoun Bridge and Chinchilla Weir. Major flood levels should be expected along the Maranoa river this week. Major flood levels are easing at St George, with further rises expected to at least 10 metres during this week.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: River level rises in Cornish Creek at Bowen Downs are expected to extend downstream to Longreach by late next week with minor flooding possible. Major flood levels continue in the Cooper Creek at Windorah. Rainfall from thunderstorms overnight is expected to cause further rises in the upper Barcoo River around Blackall early this week. Moderate flooding continues to ease in the Barcoo River between Isisford and Glenlock with a major flood peak currently in the Retreat area.</p> <p>Laidley and Warrill Creeks and Bremer River: 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. Moderate flood are levels likely today at Rosewood.</p> <p>Brisbane River above Wivenhoe Dam: Heavy</p>					

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		<p>rainfall during Sunday has resulted in fast river level rises along the Brisbane River and tributaries</p> <p>Fitzroy River Basin: Heavy rainfall continues over the Fitzroy Basin with renewed rises occurring along the Comet, Dawson, Connors and Isaac rivers. A return to moderate flood level is likely at Taroom today. Moderate flooding continues on the Dawson River from Theodore to Moura with the flood peak currently in the Moura area. Major flooding continues on the Dawson River in the Baralaba area. Renewed rises are occurring along the Comet River with a return to major flood levels expected from Rolleston to Comet Weir this week.</p> <p>Minor to moderate flooding will continue into Monday between Riverslea and Rockhampton with levels falling very slowly. River levels will remain above the minor flood level of 7 metres until at least Tuesday.</p> <p>Warrego River: River level rises are occurring along Hoganthulla Creek and the Upper Warrego to Augathella. Further rises are likely overnight. Renewed rises are also likely along the Ward and Langlo Rivers. Moderate to major flooding is occurring along the lower Warrego River.</p> <p>Paroo River: Moderate flood levels are falling in the Paroo river at Eulo with further rises and moderate flooding forecast downstream to Hungerford during this week.</p> <p>Moonie River: Minor flooding is occurring along the Moonie River between Flinton and Nindigully, with the flood peak currently in</p>					

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		<p>the Mt Driven area. Minor flooding will develop downstream in the Thallon to Fenton areas early next week.</p> <p>Bulloo River: Minor flooding continues along the Bulloo River between Autumnvale and Thargomindah with further rises and moderate flooding expected early this week. At Thargomindah, river levels have fallen slowly in the past 24 hours but are expected to rise again to levels of just above 5 metres early this week.</p>					

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Date	Significant Events	Weather Warnings	Significant Rainfall (since 0900hr previous day)	SES 132 500 Calls (since 0500hr previous day)	DM System Activation Status	Media	Flood Related Deaths
Tue 21 December	<p>Brisbane High Tides and Wivenhoe Dam Release:</p> <ul style="list-style-type: none"> The Bureau of Meteorology modelling suggests high tide levels will be experienced over the next few days in the Brisbane area. This could result in some localities in the Brisbane region that may be affected by minor flooding today. Extra Wivenhoe dam releases were scheduled overnight. The influence of these releases would not likely be noticed in the city reach until Wednesday morning. These have been accounted for in the BoM's modelling. 	<p>Flood Warnings are current for the following rivers:</p> <p>Burnett River Catchment: Major flooding is occurring along the Stuart and Boyne Rivers. Major flood levels are being recorded along the Boyne River at Carters, Cooranga and Derra along the Boyne River. Major flood levels are falling in the Carters area. Rises will continue at Proston overnight. Moderate flood levels are being recorded at Boondooma Dam with further rises to major flood levels forecast overnight. Further rises will continue along the lower Boyne River at Cooranga and Derra with major flooding continuing into Tuesday. Minor to moderate flooding is forecast to ease along Barker Creek between Embreys Bridge and Glenmore overnight. Minor to moderate flood levels are rising between Fig Tree and Walla Weir. Forecasts for levels at Bundaberg will be made once upstream peaks have been observed. Minor flooding is easing in the Auburn River. Minor flooding is rising along Barambah Creek downstream of Bjelke-Peterson Dam which is now spilling.</p> <p>Mary River: Heavy rainfall during Sunday has resulted in river level rises along the Mary River. A height of at least 11 metres at Gympie is expected during the next 24 hours with further rises above the moderate flood level of 12 metres possible. Minor to moderate flood levels continue to rise downstream of Gympie between Fishermans Pocket and Miva. Further rises and moderate flood levels are</p>	<p>Paradise lagoon (north of Townsville) 92mm Jarra Creek (west of Tully) 81mm Sweers Island (south of Mornington Is) 65mm The Pinnacles (Townsville) 64mm Gordonvale 60mm Rita Island (Ayr) 53 mm</p>	<p>299 calls were made to SES 132 500 in the period since 05.00am Monday:</p> <ul style="list-style-type: none"> Dalby 91 Brisbane 32 Nanango 12 Logan 10 	<p>SDCC: Leaning Forward. DDMGs: Nil Activated. LDMGs: Rockhampton - Alert Quilpie - Alert Roma - Alert Murweh - Stand up Dalby - Stand up</p>	<p><i>ABC News Online reports:</i> Enough water to supply south-east Queensland for four months will be released from Wivenhoe Dam, west of Brisbane, in one day. The water release will be increased this evening because the dam is at capacity and more rain is expected this week. The flow will cut several rural bridges. http://www.abc.net.au/news/stories/2010/12/20/3097889.htm?site=brisbane</p> <p><i>Courier Mail News Online reports:</i> Brisbane residents are being warned of minor tidal flooding in a handful of areas today and in coming days. The flooding is tipped to occur before and after the high tide peak at 9.30am in low-lying areas near tidal waters. http://www.couriermail.com.au/news/queensland/rescue-boat-capsizes-in-floodwaters/story-e6frc0of-1225973991903</p>	Nil

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		<p>forecast at Home Park and Tiaro later this week.</p> <p>Condamine and Balonne Rivers: Heavy rainfall during Sunday has led to fast rises throughout the Upper Condamine catchment. Moderate to major flood levels are forecast along the Condamine River during this week. Levels at Warwick have peaked below minor flood levels. Minor to moderate flooding is occurring along the Condamine River between Centenary Bridge Cotswold. Some major flood levels are likely this week. At Dalby, levels are expected to remain high overnight around 3 metres and will continue to be monitored closely. Moderate flood levels are falling at Clydesdale. Fast rises have been observed at Seven Oaks today. Creek levels are expected to rise overnight with moderate flood levels possible at Chinchilla early this week. Minor flood levels are rising fast at Gilweir with a moderate flood peak forecast at Pinehill in the next 24 hours of around 7 metres. River levels are now falling at Mitchell with minor flooding. Fast rises are occurring downstream to Old Cashmere this week with moderate flood levels forecast and a moderate flood peak at Old Cashmere. Moderate flood levels extend along the Balonne River between Warkon and Weribone. Major flood levels are possible at Surat this week. River levels are expected to remain high along the Balonne River during this week as floodwaters from the</p>					

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		<p>Condamine River and local tributaries arrive. Major flood levels are easing at St George, with further rises expected to at least 10 metres during this week. Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: River level rises in Cornish Creek at Bowen Downs are expected to extend downstream to Longreach by late next week with minor flooding possible. Major flood levels continue in the Cooper Creek at Windorah. Minor to moderate flood levels continue in the Barcoo River between Blackall and Glenlock with a major flood peak currently in the Retreat area. Renewed rises and a return to high levels are forecast along the Barcoo River at Coolagh and Isisford during this week. Moderate flooding continues in the Cooper Creek at Windorah, high river levels are expected to continue during this week.</p> <p>Laidley and Warrill Creeks and Bremer River: 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. SEQ Water advises releases from Wivenhoe Dam commenced overnight. Minor flooding is expected between Wivenhoe Dam and Mt Crosby overnight and continuing through this week. Moderate flooding is easing at Rosewood. Minor flood levels will continue at</p>					

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		<p>Walloon this evening.</p> <p>Fitzroy River Basin: Heavy rainfall over the Fitzroy Basin has produced renewed rises along the Comet, Dawson, Connors and Isaac Rivers. Major flooding continues on the Dawson River in the Baralaba area. Renewed rises and moderate to major flooding are expected downstream of the Taroom area during this week. Minor to moderate flooding continues to rise in the lower Connors River at Pink Lagoon and in the Isaac River at Yatton. Renewed rises and minor flooding are occurring in the Comet River at The Lake. A return to major flood levels is expected between the Lake and Comet Weir during this week. Major flooding is expected to continue in the Baralaba area. Renewed river level rises causing moderate flooding are occurring at Newlands. River levels between Baralaba and Newlands are expected to fall this week before renewed rises next week. Minor to moderate flooding will continue into Monday between Riverslea and Rockhampton with levels falling very slowly. River levels will remain above the minor flood level of 7 metres until at least Tuesday.</p> <p>Warrego River: River level rises are occurring along Hoganthulla Creek and the Upper Warrego to Augathella with major flood levels expected at Augathella. Predictions for Charleville will be made once upstream peaks have been observed. Renewed rises are also likely along the Ward and Langlo Rivers. Major flood levels are</p>					

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		<p>occurring along the upper Warrego at Lochinvar and major flood levels likely today at Wetlands. Moderate flooding is rising downstream at Rocky, with a moderate flood peak forecast early this week.</p> <p>Paroo River: Minor flooding continues to ease on the Paroo River at Eulo, with moderate flooding approaching a peak downstream at Caiwarro. Moderate flood levels continue to slowly rise at Hungerford with a moderate flood peak expected later this week.</p> <p>Moonie River: Minor flooding is occurring along the Moonie River between Flinton and Thallon, with the flood peak approaching the Nindigully area and moderate flooding likely at Thallon during this week. Renewed rises and minor flooding will also develop downstream in the Fenton area during this week.</p> <p>Bulloo River: Minor to moderate flooding continues along the Bulloo River between Autumnvale and Thargomindah, with a moderate flood peak expected at Thargomindah early this week. Moderate flooding continues a slow rise on the Bulloo River at Autumnvale. River levels at Thargomindah are expected to exceed the moderate flood level of 4.5 metres during Monday, with further rises expected to reach around 5 metres during this week.</p>					

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Wed 22 December	<p>Brisbane High Tides and Wivenhoe Dam Release:</p> <ul style="list-style-type: none"> The Bureau of Meteorology modelling suggests high tide levels will be experienced over the next few days in the Brisbane area. This could result in some localities in the Brisbane region being affected by minor flooding. Extra Wivenhoe dam releases were scheduled overnight. This will have no impact on today's forecast of high tide levels, due to travel time, and is unlikely to alter estimates of high tide levels for Thursday and Friday. <p>Gin Gin:</p> <ul style="list-style-type: none"> Flooding in the Perry River (south of Gin Gin) in North Coast Region has cut the only access to an area known locally as "Goodnight Scrub". Approximately 350 to 400 people are isolated on rural residential properties. Gin Gin SES are providing a floodboat ferry service across the Perry River for residents of the Goodnight Scrub area to enable them to go to work and undertake shopping, etc in the Gin Gin area. This is a relatively routine response by the Gin Gin Unit and the river conditions in the area are regarded as very safe. <p>Augathella:</p> <ul style="list-style-type: none"> Concerns were raised on Tuesday about the stability of the levy bank at Augathella after a small amount of water was observed coming 	<p>Flood Warnings are current for the following rivers:</p> <p>Burnett River Catchment: Major flooding is easing along the Stuart and Boyne Rivers. Moderate flood levels are occurring along the Auburn River. Minor to moderate flooding continues along Barambah Creek downstream of Bjelke-Peterson Dam. River level rises are also occurring in the Upper Burnett at Eidsvold with minor flooding.</p> <p>Mary River: Minor flood levels are approaching a peak in the upper Mary River at Dagun Pocket. River levels at Gympie were expected to cause moderate flooding during Tuesday. Minor to moderate flood levels continue to rise downstream of Gympie between Fishermans Pocket and Tiaro. Further rises are expected during the next few days as upstream flood waters arrive.</p> <p>Condamine and Balonne Rivers: Minor to major flooding continues to rise along the Condamine River. Fast rises were expected yesterday along Charleys Creek at Chinchilla. Some major flood levels are expected along the Balonne River later next week. Flood levels at Dalby are now at minor levels.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: River level rises in Cornish Creek at Bowen Downs are expected to extend downstream to Longreach later this week with minor flooding possible. Major flood levels continue in the Cooper Creek at Windorah. Minor to moderate flood levels continue in the Barcoo River</p>	<p>Menavale Alert (nr Innisfail) 217mm</p> <p>Corsis Alert (nr Innisfail) 194mm</p> <p>Japoonvale (nr Innisfail) 136mm</p> <p>Davidson Creek (west of Tully) 107mm</p> <p>South Mission Beach 99mm</p> <p>Billyana Alert (s of Tully) 76mm</p> <p>Hann River (nr Normanby) 67mm</p> <p>Sweers Island (n of Burketown) 65mm</p>	<p>137 calls were made to SES 132 500 in the period since 05.00am Tuesday:</p> <ul style="list-style-type: none"> Brisbane 11 Dalby 8 	<p>SDCC: Leaning Forward.</p> <p>DDMGs: Nil Activated.</p> <p>LDMGs:</p> <p>Rockhampton - Alert</p> <p>Quilple - Alert</p> <p>Roma - Alert</p> <p>Murweh - Stand up</p> <p>Dalby - Stand up</p>	<p><i>ABC News Online reports:</i> Residents trapped by floodwaters at Goodnight Scrub, near Gin Gin west of Bundaberg in south-east Queensland, are being urged to contact the State Emergency Service (SES) if they need help to restock supplies. About 300 residents have been isolated since the area was drenched with rain over the weekend. Gin Gin SES controller Ray McDonough says morale is strong among residents of the township. "I think they're holding up fairly well from the few I've spoken to," he said. . http://www.abc.net.au/news/stories/2010/12/21/3098618.htm</p> <p><i>Courier Mail News Online reports</i> The southeast has been granted a reprieve from Mother Nature but the break is only temporary with rain forecast to last until at least Boxing Day. With the forecast for rain to continue today through to at least Boxing Day for Brisbane and much of the southeast, which is still recovering from a week-long battering, Minor flooding is expected again today in some low-lying Brisbane areas with the unusual combination of tides and rainfall continuing to cause trouble. http://www.couriermail.com.au/news/queensland/southeast-braces-for-even-more-rain-as-darling-downs-centres-of-dalby-and-chinchilla-battle-inundation/story-e6f9e0f-1225974703324</p> <p><i>The Warwick News reports:</i> The Queensland town of Chinchilla is preparing for record flooding as waters surge towards it from upstream. With clean-up</p>	Nil

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	<p>through the wall. Murweh Shire Council are monitoring the situation and it appears there is minimal risk. The LDMG are sourcing an engineer to provide advice regarding any necessary repairs, and a flood boat crew has been dispatched from Charleville in case there is a need for any evacuations.</p> <p>Road Closures:</p> <ul style="list-style-type: none"> On Tuesday evening the South Johnstone River Bridge on the Bruce Highway at South Innisfail was reported to be closed due to being underwater. The Bunya Highway between Kingaroy and Goomeri was reported to be expected to close overnight at Barambah Creek, due to flooding. An undersea earthquake of magnitude 7.2 occurred at 3.19am on Wednesday near the Bonin Islands in Japan. The Bureau of Meteorology assessed that there is NO risk to the Australian mainland, islands or Territories and issued a NO THREAT bulletin. 	<p>between Blackall and Glenlock with a major flood peak currently in the Retreat area.</p> <p>Laidley and Warrill Creeks and Bremer and Brisbane Rivers: Stream levels have eased below minor flood level 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.</p> <p>Fitzroy River Basin: Heavy rainfall over the Fitzroy Basin has produced renewed rises along the Comet, Dawson, Connors and Isaac Rivers. Major flooding continues on the Dawson River in the Baralaba area. Major flooding is occurring or expected along the Comet River this week. Renewed rises and moderate to major flooding are expected downstream of the Taroom area during this week. Minor to moderate flooding is approaching a peak in the lower Connors River at Pink Lagoon and is rising in the Isaac River at Yatton.</p> <p>Warrego River: River level rises are continuing along the Upper Warrego at Augathella with major flood levels. Moderate flood levels were rising at Biddenham on Tuesday evening. A peak of at least 5.5 metres is expected at Charleville during Thursday.</p> <p>Paroo River: Minor flooding continues to ease on the</p>				<p>efforts underway at nearby Dalby - where Myall Creek peaked at three metres on Monday evening and prompted 90 calls for help to the State Emergency Service - residents at Chinchilla were now preparing, the council said. Western Downs Regional Council spokesman Bill McCutcheon said Myall Creek was continuing to fall, but floodwaters were continuing along the Condamine River towards Chinchilla further downstream. "The latest flood warning from the Bureau of Meteorology predicts a peak this Friday at Charleys Creek similar to levels recorded back in the 1981 floods with a 10-metre peak at the Chinchilla Weir," Mr McCutcheon said.</p> <p>http://www.warwickdailynews.com.au/story/2010/12/21/chinchilla-prepares-for-flooding/</p> <p><i>Townsville Bulletin reports: A night of wild weather left roads flooded and forced the annual Stable on the Strand to close early on Monday. Meteorologists have predicted the rain to continue for the rest of the week, with the chance for more storms, along with wet weather on Christmas Day. Minor flooding also occurred at Hervey Range Rd, along with the usual trouble spots including Blakeys Crossing.</i></p> <p>http://www.townsvillebulletin.com.au/article/2010/12/21/194051_news.html</p>	

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		<p>Paroo River at Eulo, with moderate flooding approaching a peak downstream at Caiwarro. Moderate flood levels continue to slowly rise at Hungerford with a moderate flood peak expected late Wednesday.</p> <p>Moonie River: Minor to moderate flood levels are expected to continue between Nindigully and Fenton for the rest of this week. Minor flooding is falling at Mt Driven. Moderate flood levels are forecast at Nindigully later this week.</p> <p>Bulloo River: Moderate flooding continues along the Bulloo River between Autumnvale and Thargomindah, with a moderate flood peak expected at Thargomindah during this week.</p>					

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Thu 23 December	<p>Brisbane High Tides and Wivenhoe Dam Release:</p> <ul style="list-style-type: none"> The Bureau of Meteorology modelling suggests high tide levels will be experienced over the next few days in the Brisbane area. This could result in some localities in the Brisbane region being affected by minor flooding. Extra Wivenhoe dam releases were scheduled overnight. This will have no impact on today's forecast of high tide levels, due to travel time, and is unlikely to alter estimates of high tide levels for Thursday and Friday. <p>Brisbane:</p> <ul style="list-style-type: none"> The atmospheric anomaly causing the higher than normal tides in the Brisbane River is likely to continue for the next few days, but high tide levels should gradually decrease over the weekend. Sandbags are available to the public if required at BCW Darra Depot, BCW Zillmere Depot, BCW Morningside Depot and SES Newmarket Depot. SEQWater advised that the Wivenhoe Dam would commence closing gates at 4pm Wednesday with complete shut off by 2pm Thursday. This will have no impact on today's forecast of high tide levels. <p>Augathella:</p> <ul style="list-style-type: none"> The situation with the levy bank at Augathella is under control, and the temporary measures 	<p>Flood Warnings are current for the following rivers:</p> <p>Burnett River Catchment: Heavy rainfall during Wednesday is resulting in renewed rises throughout the Burnett catchment. A peak is expected at Bundaberg with the high tide on Friday morning although this may change as rainfall continues. On the Stuart and Boyne Rivers a return to moderate or major flood levels is expected at Carters and Proston. Major flood levels at Cooranga and Derra will rise again during Thursday. Renewed rises are expected tonight along Barambah Creek and fast rises are also expected along Boonara Creek at Ettlewyn. Burnett Rivers are likely to at their highest since at least 1996.</p> <p>Condamine and Balonne Rivers: Minor to major flooding continues to rise along the Condamine River. Rises have continued along Charleys Creek at Chinchilla with a peak expected overnight. Some major flood levels are expected along the Balonne River later next week.</p> <p>Thomson and Barcoo Rivers, and Cooper Creek: High levels experienced last weekend in Cornish Creek at Bowan Downs are expected to extend downstream to Longreach later this weekend with some minor flooding possible. Major flooding continues in the Cooper Creek at Windorah, with high river levels expected to continue into next week. Minor to moderate flooding is occurring in the upper Barcoo River in the Blackall area with rises and major</p>	<p>Abergowrie 185mm Goldsborough Valley (s of Gordonvale) 128mm Trebonne (nr Abergowrie) 116mm Peacock Siding (nr Ingham) 113mm Humboldt (nr Springsure) 111mm Michael Creek (sw of Ingham) 100mm Katrina Downs (nr Springsure) 94mm</p>	<p>273 calls were made to SES 132 500 in the period since 05.00am Wednesday:</p> <ul style="list-style-type: none"> Brisbane 42 Mackay 15 Chinchilla 13 	<p>SDCC: Leaning Forward. DDMGs: Nil Activated. LDMGs: Rockhampton - Alert Quilpie - Alert Roma - Alert Murweh - Stand up Dalby - Stand up</p>	<p><i>ABC News Online reports:</i> Residents of Chinchilla on the Darling Downs in southern Queensland are preparing to evacuate their homes as flood waters rise. Charley's Creek was expected to peak today or Friday, but the Bureau of Meteorology (BOM) said it was to reach six metres around midnight (AEST) last night. The bureau is also predicting rain for the area. Western Downs Regional Councillor Bill McCutcheon says some voluntary evacuations have begun. http://www.abc.net.au/news/stories/2010/12/22/3099578.htm</p> <p><i>Brisbane Times reports</i> Localised floods have receded after inundating low-lying Brisbane areas with a monster high tide this morning. The tide in the Brisbane River rose between 20 and 30 centimetres above the predicted mark of 1.9 metres. Brisbane City Council has warned that similar tide heights are expected tomorrow and Friday. Bureau of Meteorology forecaster Geoff Doueal said the extremely high tide was the result of warm ocean temperatures off the south-east Queensland coast. "It is an interesting situation," he said. Neither the heavy rainfall nor the inflows from Wivenhoe Dam have played a part, Mr Doueal said. "The ocean has heated and in a sense expanded, pushing the high tide even higher," he said. http://www.brisbanetimes.com.au/environment/weather/monster-tide-recedes-20101222-1952d.html</p> <p><i>The Courier Mail reports:</i></p>	Nil

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	<p>used to block the hole are still holding.</p> <p>North Coast Region SES:</p> <ul style="list-style-type: none"> Flooding in the Perry River (south of Gin Gin) in North Coast Region has cut the only access to an area known locally as "Goodnight Scrub". Approximately 350 to 400 people are isolated on rural residential properties. Gin Gin SES are providing a floodboat ferry service across the Perry River for residents of the Goodnight Scrub area to enable them to go to work and undertake shopping, etc in the Gin Gin area. The SES transported 100 people on Wednesday. North Coast Region SES carried out around 25 other jobs on Wednesday, almost all were storm damage operations. A search is continuing at Tinbeerwah in conjunction with QPS for an elderly missing person. 32 SES were involved in the search on Wednesday. <p>Road Closures:</p> <ul style="list-style-type: none"> The Leichhardt Highway north of Taroom is blocked and food drops to out lying properties are being organised by SES staff and Taroom Police. 	<p>flooding extending downstream to Coolagh. Renewed rises and a return to high river levels are expected to extend downstream along the lower Barcoo River during this week, where major flood levels are currently easing in the Retreat area.</p> <p>Fitzroy River Basin: Dawson river levels are rising again between The Glebe and Moura. Moderate flood levels are expected along the Comet River this week. A peak is expected at Yatton along the Isaac River during Thursday.</p> <p>Warrego River: River levels are falling along the Upper Warrego at Augathella. A peak of at least 5.5 metres is expected at Charleville during Thursday.</p> <p>Bulloo River: Moderate flooding remains near a peak on the Bulloo River at Autumnvale, with a moderate flood peak up to 5 metres expected at Thargomindah during this week.</p>				<p>Brisbane residents face more localised flooding this morning as the big wet continues across the state. The Brisbane City Council has warned CityCat and CityFerry services will again be affected as unusually high tides combined with recent heavy rain cause a repeat of conditions that saw the Brisbane River encroach on low-lying suburbs yesterday. Shortly after 10am yesterday, streets and some parked cars in low-lying areas of South Bank, Albion, Bowen Hills, Newstead, Windsor, East Brisbane, Woolloongabba, Teneriffe, Lota and Wynnum had been swamped. Wet weather is tipped to continue across the southeast until well after Christmas, with showers and rain forecast until at least Tuesday. Weather bureau senior forecaster Geoff Dougal said that although falls in Brisbane were unlikely to be as heavy as deluges recorded earlier this month, the wet weather showed no signs of abating http://www.couriermail.com.au/news/features/localised-flooding-for-brisbane-as-queensland-to-receive-christmas-deluge/story-e6frorl-1225975200617</p> <p><i>ABC Online reports:</i> Police and State Emergency Service (SES) volunteers are continuing to search Queensland's Sunshine Coast for missing elderly man, Jack Farr. He was last seen by family members at his Tinbeerwah home, west of Noosa in the hinterland, on Monday afternoon. http://www.abc.net.au/news/stories/2010/12/22/3099407.htm</p>	

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						<p>Townsville Bulletin reports: Large parts of Queensland already awash after unseasonal rain are about to have more dumped on them in the coming week. A tropical low heading for the central Queensland coast is expected to cross the coast between Cardwell and Mackay, bringing more rain to already flooded areas. There is a small chance the low will become a weak tropical cyclone, but it will bring heavy rain to Queensland coastal areas between Townsville and Gladstone by Friday.</p> <p>http://www.townsvillebulletin.com.au/article/2010/12/22/194351_news.html</p>	