

# North Burnett Region - Disaster Risk Register

Version 1.0  
Dated 1 December 2015



Locality	Hazard	Risk Statement (There is a risk that...)	Likelihood	Consequence	Risk Score	Risk Rating	Risk Treatments	Responsible Agencies	Status
Region	Fire	<b>People are injured (burnt/smoke affects) or killed as a result of not having adequate warning and escape routes from bushfires and grass fires.</b>	2	3	52	Medium	Ensure Bushfire warnings are provided to the community including the location of fires, fire behaviour predictions and nominated public actions required including use of evacuation or escape routes.	NBRC	Response Action
	Fire						Provide traffic control as required on nominated evacuation/escape routes.	QFES/QPS/SES	Response Action
	Fire						Provide advice on precautions to be taken by those vulnerable to the effects of smoke (people with respiratory illnesses, etc).	NBRC	Response Action
Region	Fire	<b>Rural buildings and other rural infrastructure and stock may be burnt causing financial hardship for those affected.</b>	2	3	52	Medium	Provide public awareness on Bushfire Preparedness and Planning.	NBRC / QFES	Ongoing
	Fire						Bushfire Impact Assessments should include assessment of financial hardship caused by infrastructure and/or stock losses	NBRC	Response Action
Region	Fire	<b>Stock Feed and grazing capacities may be significantly reduced as a result of extensive grass fires</b>	2	2	40	Low	Assist rural producers as necessary to access programs that mitigate the loss of stock feed or grazing land.	NBRC	Response Action
Region	Fire	<b>Fires may damage power distribution infrastructure causing loss of power to towns/villages or districts causing hardship to residents and affecting business operations.</b>	2	2	40	Low	Ensure power backup capabilities are available to critical facilities:		Ongoing
	Fire						. Town Hospital and Medical Facilities	Qhealth	Ongoing
	Fire						. Council Disaster Coordination Centres/Cells	NBRC	Ongoing
	Fire						. Water and Sewerage and other Council critical facilities	NBRC	Ongoing
	Fire						. Emergency Services Facilities	QFES/QPS/QAS	Ongoing
	Fire						Work with Ergon to prioritise restoration of supply and for provision of additional power generation resources as required.	LDCC	Response Action
Region	Fire	<b>Fires may damage communications infrastructure causing communication failure and isolation of towns/villages or districts within the region.</b>	2	2	40	Low	Provide alternate communication facilities (Satellite Phone, HF or VHF radio support) to each Town Support Group to enable communication with the LDCC during periods of communication blackout.	NBRC	Not Started
	Fire						Authorise Town Support Groups to undertake appropriate response actions to preserve life and protect property without reference to the LDMG during times of extended communications failure.	LDMG	Complete

Region	Fire	Roads, signage and wooden bridges may be damaged by fire or impacted by smoke causing a hazard to the travelling public	3	3	60	High	Undertake road closures as required in collaboration with QFES	NBRC	Response Action
	Fire						Provide timely public information on road closures.	NBRC/QFES	Response Action
Region	Fire	People may have to evacuate their homes due to the impact of fires.	2	3	52	Medium	Maintain Evacuation Centre capabilities and arrangements to support evacuees and companion animals for up to 5 days.	Town Support Group	Response Action
	Fire						Provide public information to people about evacuation arrangements	LDMG	Response Action
Region	Fire	Power loss associated with fire may cause food spoilage resulting in higher levels of waste and possible disease within the community	3	3	60	High	Provide public information on health risks associated food spoilage including advice on what to do with increased waste products.	LDMG	Response Action
	Fire						Develop a Environmental Health Operational Plan that details the arrangements and resources required to deal with increased levels of food waste.	LDMG	Response Action
Region	Flood	People may be drowned at flooded causeways or injured wading in flood waters.	2	3	52	Medium	Ensure roads are closed and appropriate signage is deployed to flood affected roads/causeways.	NBRC	Response Action
	Flood						Provide ongoing public awareness of the risks to entering floodwaters - If it's Flooded, Forget It.	LDMG	Ongoing
Region	Flood	Flooding of waterways may damage rural buildings and infrastructure and may damage or destroy crops and stock.	3	3	60	High	Provide public education and awareness of flood risks and how to prepare for floods e.g. Get Ready North Burnett		Ongoing
	Flood						Flood Impact Assessments should include assessment of financial hardship caused by infrastructure and or stock/crop losses in accordance with the Disaster Impact Assessment Sub Plan.	NBRC	Response Action
Region	Flood	Flood waters may be polluted with hazardous materials. Hazardous material may collect in debris piles at river choke points.	3	3	60	High	Provide Public Information on preventing hazardous materials being swept away by floodwaters.	LDCC	Ongoing
	Flood						Provide public information on what people should do to avoid hazardous materials and how to protect themselves from injury or illness caused by such materials.	LDCC	Response Action
	Flood						Ensure river inspections are conducted after flooding to identify hazardous materials and hazardous material debris clean up requirements.	NBRC	Response Action
Region	Flood	Severe river bank erosion may threaten buildings/facilities and require people to evacuate.	2	3	52	Medium	Identify areas of vulnerability to river bank erosion and maintain contact with residences/businesses affected	Town Support Group	Ongoing
	Flood						Render assistance to affected people to evacuate/secure property as required	Town Support Group	Response Action

	Flood						Maintain Evacuation Centre plans and arrangements to support evacuees for up to 5 days.	Town Support Group	Ongoing
Region	Flood	Roads across the region may be cut during MAJOR flooding preventing movement of people and resources for period of up to 5 days.	3	3	60	High	Monitor Road conditions during flood events and close roads as required	LDCC	Response Action
	Flood						Provide ongoing and regular public information on road closures	LDCC	Response Action
	Flood						Document resupply arrangements for the region in a Sub Plan to the Main Plan (Resupply Sub Plan)	NBRC	Not Started
	Flood						Train key LDMG members and North Burnett Staff in Resupply Procedures	LDMG/NBRC	Ongoing
Region	Flood	Flooding may damage communications infrastructure causing communication failure and isolation of towns/villages or districts within the region.	2	3	52	Medium	Authorise Town Support Groups to undertake appropriate response actions to preserve life and protect property without reference to the LDMG during times of extended communications failure.	LDMG	Complete
Region	Flood	Flooding may close roads throughout the region for several days stranding tourists, travellers and caravaners who may require assistance with accommodation and meals	3	2	48	Medium	Town Support Groups are to identify support needs of stranded travellers and render assistance as required using the processes, facilities and resources used for evacuation centres as documented in the Town Disaster Support Plan.	Town Support Group	Response Action
Region	Flood	Flooding may cause disease and illness among the general population through contact with water borne diseases and toxic materials in floodwaters.	3	3	60	High	Provide public information on health risks associated with contact with flood waters and advice to people on how to protect themselves, including increased hygiene measures.	LDMG	Response Action
	Flood						Ensure adequate supplies of handwash and disinfectant are provided in public spaces and encourage people to use them to reduce the spread of illness.	LDMG	Response Action
Region	Flood	Power loss associated with flooding may cause food spoilage resulting in higher levels of waste and possible disease within the community	3	3	60	High	Provide public information on health risks associated food spoilage including advice on what to do with increased waste products.	LDMG	Response Action
	Flood						Develop a Environmental Health Operational Plan that details the arrangements and resources required to deal with increased levels of food waste.	LDMG	Response Action
Region	Flood	Debris from homes and buildings affected by floodwaters may contain asbestos creating a public health risk if not handled appropriately	2	2	40	Low	Provide public information appropriate asbestos handling procedures before commencing flood cleanup operations and confirm arrangements for asbestos handling by the public.	LDMG	Response Action
Region	Flood	Floodwaters will cause extensive damage to fences and gates on rural properties affecting stock management	3	2	48	Medium	Consider seeking support from organisations such as Blaze Aid to assist in fence repair during the Recovery effort.	LDMG	Response Action
Region	Flood	Floodwaters will impact on raw water processing and water treatment facilities leading to water shortages.	2	3	52	Medium	Remove or prepare raw water intake pumps and associated facilities before flood impact to reduce the risk of damage.	NBRC	Response Action

Mundubbera	Flood	<b>Flooding at 13m closes the Mundubbera airstrip and some regional roads isolating rural communities and properties.</b>	3	2	48	Medium	Sound Mundubbera Town Siren Provide public information regarding anticipated flood peak height and timings. Close roads and deploy appropriate signage	Town Support Group	Response Action
Mundubbera	Flood	<b>Flooding at 17m closes the Mundubbera airstrip and some regional roads isolating rural communities and properties.</b>	3	3	60	High	Consider evacuation of low level houses to the 19 metre mark	LDMG	Response Action
	Flood						Position emergency generator to the Mundubbera Hall and a second generator to the water treatment works.	NBRC	Response Action
	Flood						Telephone rural properties to advise river heights and record number of people on individual properties. Determine resident evacuation plans.	Town Support Group	Response Action
	Flood						Arrange for Fuel Suppliers to retain supply level for emergency services	QPS	Response Action
	Flood						Rural properties commence evacuation as needed.	LDMG/NBRC	Response Action
	Flood						Doorknock threatened houses with the anticipated level height and warnings to be prepared for evacuation message.	Town Support Group	Response Action
	Flood						IGA forewarned to retain supply of dry goods (flour, powdered milk, etc) to support rural property resupply operations.	Town Support Group	Response Action
	Flood						Ensure supply of fuel of Jet A1 for helicopters and avgas for smaller helicopters as necessary.	NBRC	Response Action
	Flood						Conduct manual reading of flood heights every hour	Town Support Group	Response Action
	Flood						Relocate fully fuelled truck loader and backhoe to the Burnett St depot.	NBRC	Response Action
Mundubbera	Flood	<b>Properties along the Burnett River and associated tributaries and streams may be inundated by flooding in excess of 18m (including residences and businesses) requiring evacuation of people and animals for periods of several days or more.</b>	3	4	72	Extreme	Maintain accurate flood mapping for the region to assist in identifying properties at risk.	LDMG	Ongoing
	Flood						Provide vulnerable people and businesses with public information on the likely flood impact and the actions required of them to protect life and property	Town Support Group	Complete
	Flood						Maintain Evacuation Centre capabilities and arrangements to support evacuees and companion animals for up to 5 days.	Town Support Group	Ongoing
Gayndah	Flood	<b>A significant number of properties in Gayndah (In excess of 90 properties) may be inundated in a Q100 event. (432 properties may be affected in a possible maximum flood.) A large number of people (over 150) with their companion animals may need to be evacuated to Evacuation Centres</b>	3	4	72	Extreme	Provide public awareness of flood risk to Gayndah including measures that can be taken to protect life and property. Eg. Get Ready North Burnett Guide	NBRC	Ongoing
	Flood						Identify and document arrangements for evacuation including evacuation centre management and the provision of community support to affected residents.	Town Support Group	Not Started
	Flood						Collaborate / Consult with the Bundaberg Disaster District for additional support required to provide shelter and services (evacuation centre support) to people who require evacuation support.	LDCC	Response Action

Eidsvold	Flood	Flooding may close local roads and inundate properties in the Eidsvold district for up to 5 days.	3	3	60	High	Maintain a register of houses that may be affected by inundation or isolation in order to provide specific and appropriate warnings before and during flood events.	NBRC	Complete
	Flood						Conduct road closures as required during flood events to ensure public safety.	NBRC	Ongoing
Region	Earthquake	People may be injured or killed due to the collapse of building structures	1	3	44	Medium	Provide public awareness of the Earthquake threat and the actions people need to take during and after an earthquake e.g. evacuate damaged or threatened buildings. E.g Get Ready North Burnett Guide	NBRC	Ongoing
Region	Earthquake	Buildings may be damaged or destroyed as a result of earthquake activity with older buildings and poorly constructed buildings most at risk.	1	2	32	Low	Undertake rapid damage assessment after an earthquake to determine damage to buildings and apply remedial action to make affected areas safe.	LDCC	Response Action
Region	Earthquake	An Earthquake may damage communications infrastructure causing communication failure and isolation of towns/villages or districts within the region.	1	2	32	Low	Collaborate with Telecommunication providers to establish priorities and support required for reconnection of communications	LDCC	Response Action
	Earthquake						Authorise Town Support Groups to undertake appropriate response actions to preserve life and protect property without reference to the LDMG during times of extended communications failure.	LDMG	Complete
Region	Earthquake	Roads and other transport infrastructure may be damaged in an earthquake causing disruption to community activity.	1	2	32	Low	Monitor road conditions and close roads as required.	LDCC	Response Action
	Earthquake						Monitor other transport infrastructure (rail, airstrips, etc) to determine impact and liaise with appropriate authorities to restore normal services.	LDCC	Response Action
	Earthquake						Provide public information on road closures.	NBRC	Response Action
Region	Earthquake	Power loss associated with earthquake may cause food spoilage resulting in higher levels of waste and possible disease within the community	3	3	60	High	Provide public information on health risks associated food spoilage including advice on what to do with increased waste products.	LDMG	Response Action
	Earthquake						Develop a Environmental Health Operational Plan that details the arrangements and resources required to deal with increased levels of food waste.	LDMG	Response Action
Region	Storm / Cyclone	People may be injured or killed by wind borne debris, hail or lightning or suffer injury or death from accidents occurring as a result of the severe storm/cyclone.	3	2	48	Medium	Provide public warnings encouraging people seek appropriate shelter during severe storms and/or cyclone conditions e.g Get Ready North Burnett Guide	NBRC	Complete

Region	Storm / Cyclone	Residential, commercial, industrial buildings and facilities may be structurally damaged during storms/cyclones	3	2	48	Medium	Ensure rapid damage assessment is undertaken immediately after impact (when safe to do so) to determine scale of impact and develop immediate response actions required to make safe and repair damage.	LDCC	Response Action
Region	Storm / Cyclone	Severe weather (storms, cyclones, east coast lows, etc) may damage power distribution infrastructure causing loss of power to towns/villages or districts causing hardship to residents and affecting business operations.	3	3	60	High	Ensure power backup capabilities are available to critical facilities:		Ongoing
	Storm / Cyclone						. Town Hospital and Medical Facilities	Qhealth	Ongoing
	Storm / Cyclone						. Council Disaster Coordination Centres/Cells	NBRC	Ongoing
	Storm / Cyclone						. Water and Sewerage and other Council critical facilities	NBRC	Ongoing
	Storm / Cyclone						. Emergency Services Facilities	QFES/QPS/QAS	Ongoing
	Storm / Cyclone						Work with Ergon to prioritise restoration of supply and for provision of additional power generation resources as required.	LDCC	Response Action
Region	Storm / Cyclone	Severe weather (storms, cyclones, east coast lows, etc) may damage communications infrastructure causing communication failure and isolation of towns/villages or districts within the region.	2	2	40	Low	Provide alternate communication facilities (Satellite Phone, HF or VHF radio support) to each Town Support Group to enable communication with the LDCC during periods of communication blackout.	NBRC	Not Started
	Storm / Cyclone						Authorise Town Support Groups to undertake appropriate response actions to preserve life and protect property without reference to the LDMG during times of extended communications failure.	LDMG	Complete
Region	Storm / Cyclone	Power loss associated with storm/cyclone may cause food spoilage resulting in higher levels of waste and possible disease within the community	3	3	60	High	Provide public information on health risks associated food spoilage including advice on what to do with increased waste products.	LDMG	Response Action
	Storm / Cyclone						Develop a Environmental Health Operational Plan that details the arrangements and resources required to deal with increased levels of food waste.	LDMG	Response Action

Region	Storm / Cyclone	Roads across the region may be cut due to storm/cyclone debris and flash flooding limiting movement of people and resources for up to 5 days.	3	3	60	High	Maintain a North Burnett Region Resupply Plan outlining the strategies and arrangements for undertaking resupply of isolated communities and properties.		Not Started
	Storm / Cyclone						Collaborate with the Bundaberg Disaster District for additional resources needed to undertake resupply of isolated communities and properties.		Response Action
Region	Transport Accident	A major transport accident that results in mass casualties/fatalities and which requires a large-scale emergency response and subsequent Human/Social recovery effort may occur.	2	2	40	Low	Local emergency services to continue to maintain incident response arrangements and provide situation reports as required by the LDMG.	Emergency Services	Ongoing
	Transport Accident						LDMG is to activate relevant recovery arrangements to support affected people as detailed in the North Burnett Region Disaster Recovery Sub Plan	LDMG	Response Action
Region	Pandemic	A major pandemic outbreak will occur resulting in illness and fatalities and increased absenteeism across all sectors that disrupts the normal functioning of society.	2	4	64	High	Maintain a North Burnett Pandemic Response Sub Plan outlining how the LDMG and Qld Health will undertake pandemic response and manage the resources required to ensure the continued provision of support to the community.	LDMG	Not Started
	Pandemic						Promote safe hygiene practices as part of the North Burnett Region Community Disaster Education and Awareness Program particularly in the lead up to flu season.	LDMG	Ongoing
Region	HAZMAT	A major Hazardous Material incident that results in mass casualties/fatalities and which requires a large-scale emergency response and subsequent Human/Social recovery effort may occur.	2	2	40	Low	Local emergency services to continue to maintain incident response arrangements and provide situation reports as required by the LDMG.		Ongoing
	HAZMAT						LDMG is to activate relevant recovery arrangements to support affected people as detailed in the North Burnett Region Disaster Recovery Sub Plan		Response Action
Region	Animal/Plant Disease	An outbreak of emergency animal or plant disease may occur that causes significant personal hardship and economic harm to primary producers in the region.	2	2	40	Low	Maintain a North Burnett Emergency Animal & Plant Disease Sub Plan outlining how the North Burnett LDMG will interface with biosecurity agencies responsible for managing an outbreak including the provision of recovery support to those affected.		Not Started
Region	Terrorism	An act of terrorism may occur that disrupts the community and requires the LDMG to coordinate support to those effected	2	2	40	Low	Maintain a North Burnett Terrorism Sub Plan that outlines how the LDMG will interface with the Qld Police Service during/after an terrorism event to coordinate the provision of community support to those affected.	LDMG	Ongoing
Monto	Dam Break	Cania Dam may experience dam failure resulting in downstream flooding inundating properties, closing roads and endangering public safety	2	2	40	Low	Maintain a North Burnett Dam Safety Sub Plan outlining the interface between the LDMG and Sunwater (dam operator) and the use of the Sunwater Dam Emergency Action Plans.	LDMG	Ongoing
	Dam Break						Close roads and deploy appropriate road closure signs as required.	NBRC	Response Action
	Dam Break						Provide early warning to affected downstream residents on advice from Sunwater	LDMG	Response Action

## Consequence Descriptors

Level	Description
1	Slight
2	Small
3	Medium
4	Large
5	Catastrophic

## Likelihood Descriptors

Level	Description
<b>Almost certain</b>	The event is expected to occur in most conditions
<b>Likely</b>	The event will probably occur in most conditions
<b>Possible</b>	The event should happen at some time
<b>Unlikely</b>	The event could happen at some time
<b>Rare</b>	The event may only occur in exceptional circumstances



### Examples

Nobody hurt, houses and possession OK, low cost, most services working normally.

A few people need slight first aid treatment, some pets lost, a few personal possessions da

Some people need medical treatment for injuries, a few houses have damage that can be fi

A few lives may be lost, many serious injuries, numbers of houses badly damaged, many pe

The Community cannot work properly, many lives lost and many serious injuries, most hous

### Examples

Expected frequency range: Greater than one or more per annum

Expected frequency range: Between one in 5 years and one per annum

Expected frequency range: Between one in 10 years and one in 5 years

Expected frequency range: Between one in a 100 years and one in 10 years

Expected frequency range: Less than one in a hundred years

## Named Lists and Variables

(used for data lists and calculations of risk rat

Town Names	Hazards	Likelihood	Consequence	Risk Rating
Region	Flood	5	1	
Biggenden	Dam Break	4	2	Extreme
Eidsvold	Storm / Cyclone	3	3	High
Gayndah	Fire	2	4	Medium
Monto	Transport Accident	1	5	Low
Mt Perry	HAZMAT			
Mundubbera	Pandemic			
	Animal/Plant Disease			
	Earthquake			
	Terrorism			
	Landslip			

<b>Thresholds</b>	<b>Status</b>
	Response Action
68	Complete
55	Ongoing
43	Not Started
19	