

# Extreme Weather Event Contingency Plan Gladstone Region – 2022/2023

incorporating Mary River, Hervey Bay, Tin Can Bay, Bundaberg,  
Gladstone, Port Alma, Fitzroy River and Rosslyn Bay

# Introduction

Maritime Safety Queensland (MSQ) is an agency of the Dept. of Transport and Main Roads (DTMR) which works closely and cooperatively with the disaster management agencies, the industry and community on both a State wide and local basis. The recent extreme weather events throughout Queensland have highlighted the need for awareness and vigilance to the risks such events present to the maritime community. MSQ's core focus is on the preservation of life and property on the State's waters and in the prevention/response to ship-based pollution. Aligning itself with the MSQ mantra of 'safer and cleaner seas'.

The extreme weather events of recent seasons have highlighted the need for awareness and vigilance to the risks such events present to maritime operations.

MSQ has built on these recent experiences and is reissuing its contingency plans as one way of ensuring stronger resilience within the maritime community. Timely awareness and adequate preparation will reduce the impact of such events.

This extreme weather event contingency plan for Gladstone Region sets out the broad framework that will apply for this region. MSQ takes advice on developing weather situations from the Bureau of Meteorology (BOM) which is the government's primary source of weather intelligence.

The Gladstone Region encompasses the area of the coast and waterways from St Lawrence in the North to Double Island Point in the South. The Region includes the Ports of Gladstone, Port Alma and Bundaberg, all boat harbours and marinas and includes all navigable rivers, creeks and streams as well as off shore islands within Queensland jurisdiction.

The coast from St Lawrence to Double Island Point is occasionally exposed to direct cyclone activity as well as low pressure systems that can have their effects felt along the coast with gale force winds and heavy rain recorded. The frightening intensity of cyclones can cause widespread flooding, destruction and devastation.

Cyclone season commences on the 1 November and it is imperative that all vessel owners in the region are prepared for the possibility of a cyclone affecting the region. Major flooding, along with occasional tornadoes can be experienced as a result of these weather systems. Major flooding combined with strong winds, storm surge, high tides and strong currents can have disastrous effects on vessels within rivers and estuaries.

The region is also affected by severe summer storms mostly during the months of October through to April. Usually electrical disturbances from these storms have produced wind gusts of up to 80 knots, although, winds mostly do not exceed 45 knots and typically only for short durations. Heavy rain and hail may also be experienced during these storms and localised flash flooding can result.

The local topography of the region offers limited protection from a tropical cyclone hence the prime intent of the plan is to provide small craft owners and operators with adequate warning to secure their vessels for severe weather conditions and organise the orderly removal of commercial vessels from the port to sea.

It is the responsibility of owners and Masters of vessels to take the necessary action within the context of the official weather warnings to protect their passengers, crew and craft and abide by any directions provided by the Regional Harbour Master.

It may be necessary for the Regional Harbour Master to give directions in relation to the operation and movement of vessels when entering, leaving or operating in a pilotage area. This may include, but is not limited to the orderly removal of vessels from their normal moorings, to more sheltered locations or in the case of large commercial vessels, the orderly evacuation of these vessels to sea. The closure of the pilotage area effectively means that marine activities cease, including the operation of ferries to/from all island resorts. Changes are being proposed in relation to those vessels specifically

nominated as being used to transport passengers and staff from island resorts and as a direct result of the weather warnings in place.

Even if you are an experienced mariner, we encourage you to read this plan for your region and familiarise yourself with its requirements. As you will see, the contingency plan requires you to think about your own planning in this context and to be prepared to enact this plan if required.

Remember, the best protection against extreme weather events is to plan for such eventualities and respond accordingly.

Kell Dillon  
General Manager  
Maritime Safety Queensland

John Fallon  
Regional Harbour Master  
Gladstone Region

## Objective of this plan

The overall objective of this plan is to provide for the safety of vessels and their operation during extreme weather events. Personal safety is of prime importance at all times.

An extreme weather event may require the evacuation of a pilotage area, part of a port, a harbour or boat harbour and may include the closure of sections of rivers/waterways. In such instances, the Regional Harbour Master's primary objective is to have the relevant area secure and for all vessels to have enacted their own safety plans between 6 and 48 hours but no later than 6 hours before the event is expected to impact.

Local marina operators have updated evacuation and emergency plans for times when extreme weather is forecast. Ensure that you are familiar with your local marina's emergency plans.

## Master's and owner's responsibility in regard to this plan

Masters and owners of vessels have an obligation under the *Transport Operations Marine Safety Act 1994* and *Marine Safety (Domestic Commercial Vessel) National Law Act 2012* at all times to take appropriate precautions for the safety of their vessels, passengers and crew. (Substantial penalties may apply for non-compliance and can be enforced by relevant agencies).

In extreme weather conditions, the Regional Harbour Master may give directions in relation to the operation and movement of vessels within their jurisdiction. Masters and owners are required to follow such directions.

Masters and owners need to familiarise themselves with this plan, determine and develop the most appropriate safety plan for their vessel and respond in accordance with any directions. Masters and owners are also required to monitor developments to ensure that they have the most up-to-date information on weather conditions and any directions in place.

Masters and owners are required to notify MSQ of any changes to the following:

- vessel ownership;
- residential address; and
- contact telephone numbers.

This up-to-date contact information is vital for an immediate response to any port emergency. Failure to provide correct details of vessel ownership is an offence under the *Transport Operations (Marine Safety) Act 1994* and *Marine Safety (Domestic Commercial Vessel) National Law Act 2012*.

Unless absolutely unavoidable, all owners of vessels on the water should ensure their vessel is capable of moving without assistance or have alternative means of moving their vessel, particularly during extreme weather event peak seasons (for example cyclone seasons). Failure to do so may present an unacceptable hazard to the vessel, as well as other vessels and infrastructure. This may cause an owner to incur towage expenses.

If owners are unable to attend to their vessels at short notice for any significant duration, particularly during the tropical cyclone season, owners are to make arrangements with a person that can act on your behalf in the event of an extreme weather event. That person will be responsible to implement the owner's safety plan. However, the owner is still responsible for the safety of the vessel.

In the event of extreme weather, masters and owners of vessels should avoid entering waterways if there is no valid purpose to be there.

# General Considerations

A well prepared vessel with fully functional equipment is a key element to a successful safety plan and the following checklist will assist:

## **Ensure that your vessel is in a seaworthy state:**

Maintain your vessel to ensure that deferred maintenance does not compromise the seaworthiness of your vessel at critical times.

Check that all bilge pumps are operational and that all self-draining openings are clear and will remain so. Make sure all safety equipment is available, in working order and up-to-date where applicable (for example flares).

Check all cleats and associated fittings for integrity as generally, mooring lines are stronger than these.

Keep storm anchors, spare warps and spare fenders ready at hand but well secured to prevent them creating a potential hazard in the event you must move the vessel.

Securely stow all loose items.

Secure all hatches and vents.

Provision your vessel with fresh water, food and fuel and ensure that the batteries are charged.

## **EPIRB**

If the vessel is to be securely moored with no personnel on-board then the EPIRB should be removed. Past experience has shown that EPIRB's have been inadvertently activated during extreme weather costing rescue crew's valuable time searching for unoccupied boats.

## **Ensure your mooring arrangements are up for the job at hand**

Check all mooring lines and warps for chafing and deterioration and replace if necessary. Man-made synthetic fibres such as polyethylene, polypropylene and polyester deteriorate in the sunlight and may show little signs of deterioration prior to failure.

You should have a schedule worked out to replace mooring lines in accordance with manufacturer's recommendations.

Allow for a sufficient number of mooring lines so that you can double up your mooring arrangements. Have sufficient fenders for the anticipated mooring arrangements.

Check anchor chains, shackles and anchor warps for wear and replace if necessary. If you intend to utilise a swing mooring, ensure that the mooring chain has been recently inspected.

You should also be aware that flooding events resulting from extreme weather events may result in build-up of debris around the mooring chain, compromising the integrity of the mooring arrangement.

## **Reduce wind loadings**

Remove all deck gear including lifebuoys, dodgers, bimini covers, clears and so on and store below.

Remove sails, self-furling sails and covers. If this is not possible, double wrap or tie these components in such a way that the wind cannot tease any ends out and allow flapping of gear to commence.

Secure your tender. Ideally, tenders should be stored in dinghy lockers, garaged or deflated and stowed if applicable.

If stored with the vessel, tenders should be securely lashed inverted on deck to prevent filling with water

Do not contemplate towing tenders.

If left on purpose-built davits, tenders should be cleaned out and securely lashed and bungs removed.

## Marina-based safety plans

Marina-based plans may be appropriate for your region. You should note that the design and construction of marinas requires the consideration of the likely range of weather conditions that might be experienced so that the overall structures would withstand the expected loads including storm surge while vessels are moored in the berths.

Notwithstanding the care which was taken in establishing design and construction criteria that were considered to be appropriate, no guarantee can be given that the structures are capable of maintaining their integrity in the complete range of extreme weather conditions. Remember vessels are moored at owners' risk and it is the owner's prerogative to move their vessel if they feel insecure in the marina, noting that any vessel movement should occur in line with the extreme weather contingency plan for the port.

Vessels that are in a Marina must comply with the directions of the Regional Harbour Master and may be required to evacuate the marina and inner anchorages and proceed to nominated safe havens. Refer to your Marina management for the local requirements and to the region-specific appendix for possible safe havens.

In addition to the general points made above, marina-based safety plans need to consider the following issues. It is important that you discuss this with your marina management to understand their requirements so that your plan is consistent with marina operations:

### **The loadings on marina berths**

Some marinas allow for berths to remain occupied provided the berth has a pontoon equivalent to the overall length (LOA) of the vessel occupying it. Vessels may also be allowed to bear against the fingers/pontoons noting that suitable or additional fendering is likely to be required.

### **Mooring considerations**

Double up mooring lines, by running duplicated ropes to alternative bollards. Do not run duplicates to the same bollards – a single bollard failure should not release the craft from a safe mooring arrangement. The duplicate lines should be in good condition and run slightly slack to ensure that they are only required to work in the event of the chafing through the primary mooring lines. Vessels should not be secured to piles as this prevents pontoons moving with tidal and surge movements. Take particular care to protect against chafing. Ensure lines are made fast to substantial boat parts, for example mast steps, winches and so on, bearing in mind cleats are known to have been torn out of decks. Do not use chain to secure your boat to pontoon bollards. Chains have no ability to stretch, where ropes have a certain amount of give. Some marinas allow for anchors to be lowered in the marina berth to the sea bottom. Ensure there is enough slack to rise and fall of the vessel due to swell and storm surges. If the master or owner elects to stay on-board with the vessel, any mooring lines should be adjustable from on-board and sufficiently taut to ensure the vessel and pontoon move as one.

### **Other factors**

You are likely to be required to disconnect all shore power leads and water hoses. Some marinas have particular arrangements for the stowage of vessel tenders. Marina management may determine the time when personnel are barred from the pontoons and/or hardstand areas. Ensure that you abide by any such direction.

## Hardstand storage

Hard stand storage is a viable alternative for trailer vessels or vessels undergoing maintenance. Hardstand storage may have the additional considerations:

- Place the vessel head to the wind if possible;

- Ensure wheels are chocked and trailer brakes applied;
- Attach the trailer to the nearest strong point(s); and
- Attach the trailer or cradle to the nearest strong point(s);

You should note that flying debris, particularly in the hardstand areas, can cause serious injury or may be lethal during a severe weather event. Please exercise all due care when operating in these areas.

## Extreme weather procedures in detail

In the event of an extreme weather event threat the Regional Harbour Master will take the following action:

- Restrict the movement of vessels within a pilotage area if necessary;
- Direct and oversee the movement of vessels from a pilotage area and/or the evacuation of persons from specific waters of a pilotage area or other affected areas within their jurisdiction if applicable;
- provide directions which restrict and/or allow the entering or leaving a pilotage area, in effect closing and reopening the port;
- Advise mariners of relevant warnings and response requirements; and
- Seek compliance with the response requirements.

These actions will be enacted over four distinct phases that allows for the development of appropriate responses to the threats faced.

Maritime Safety Queensland has enacted a coloured tier alert status for the Gladstone Region

- Blue Alert: 48 to 72 hours before event
- Yellow Alert: 24 hours before event
- Red Alert: 6 hours before event
- Orange Alert: All clear with caution
- Green Alert: All clear

The tier alert status may be enacted for the whole of the Gladstone Region or just part of the Gladstone Region. The Region Harbour Master or his/her representative will advise the activation of this plan, the alert status and the area to which it applies.

The Regional Harbour Master may enact a combination of tiered alert statuses within the one waterway during an extreme weather event. For example the main channel of the Fitzroy River may be a Red Alert while the areas of inundation may remain in Yellow Alert. Specific details will be communicated as outlined in this plan.

Region specific information can be found in the following appendices:

[Appendix A - Rosslyn Bay](#)

[Appendix B - Fitzroy River](#)

[Appendix C – Port Alma](#)

[Appendix D – Gladstone](#)

[Appendix E – Bundaberg](#)

[Appendix F – Hervey Bay Regions](#)

# Blue Alert

## Weather event forecast within 48 to 72 hours

Blue Alert will be issued when an extreme weather event watch is issued by BOM for when an extreme weather event or developing event, is likely to affect the area **within 48 to 72 hours**, but not expected to impact the area within 24 hours. This phase is a critical time for masters and owners to plan and prepare for the impact of the event.

The following procedures are to be followed when blue alert is activated:

- Gladstone VTS will broadcast advice, warnings, information and directions on VHF 13 15 and 16 as appropriate;
- VMR/Coast guards may also broadcast warnings;
- Vessels are to maintain a continuous listening watch on VHF Channel 13 for updates;
- Review and enact severe weather procedures for the particular event e.g. Cyclone, flood; and
- ABC radio will provide updates

Additional requirements for large Commercial Vessels:

- All marine services are to be made available at short notice;
- Vessels at anchor must ballast down with engines on standby and be ready to proceed to sea at short notice;
- Vessels alongside may continue to load at the discretion of the Regional Harbour Master but must be ready in all aspects to depart at short notice; and
- Vessels are not permitted to enter the pilotage area without the approval of the Regional Harbour Master – approval will only be given if fully satisfied that the ship can safely load and depart before cyclonic conditions affect the pilotage area.

Additional requirements for small Commercial and Recreational Vessels:

- Vessels owners on moorings should be aware of apparatus integrity;
- Mooring lines are to be doubled with secondary lines to alternative cleats;
- Check boat cleats for integrity, ensure lines are made fast to substantial boat parts, for example mast steps, winches and so on, bearing in mind cleats are known to have been torn out of decks;
- Have sufficient line to secure your vessel and position spare fenders and lines;
- Do not use chain to secure the vessel;
- Ensure ropes and other synthetic fibres are in good order and are capable of withstanding high loads, lines to be adjustable from on-board;
- Remove all sails, furling sails, awnings and any items of high windage and stow securely;
- Dinghies/tenders to be securely lashed inverted on deck to prevent filling with water – do not contemplate towing dinghies/tenders;
- Ensure that all scuppers and freeing ports are clear and will remain clear;
- Confirm that all bilge pumps are operational;
- Secure all hatches;
- Reduce wind loading to a minimum and stow all loose gear below;
- Shore power and water leads are to be disconnected;
- Vessels are allowed to bear against the fingers/pontoons;

- Store your vessel with fresh water, food, fuel and charged batteries since it may be the only comfortable accommodation available to you once the extreme weather event has passed;
- Keep storm anchors and spare warps ready at hand but well secured to prevent them creating a potential hazard such as fouling propellers in the event you must move the vessel;
- Monitor the weather forecasts;
- Make sure you comply with all directions issued by the Regional Harbour Master or his/her delegates; and
- Listen to and monitor radio broadcasts/ other media outlets and Local Council websites for updates on conditions and advice warnings

Vessels are to comply with routine vessel traffic management procedures unless otherwise authorised by the Regional Harbour Master.

## Yellow Alert

### Extreme weather event forecast within 24 hours

Gladstone Region will issue Yellow Alert when an extreme weather event warning will be issued by BOM for an extreme weather event or developing event is likely to affect the area **within 24 hours**. This phase is critical for masters and owners to complete all preparations in an orderly manner prior to the event occurring.

The following additional procedures are to be followed yellow alert is enacted:

- Smaller commercial vessels will go to storm moorings in accordance with local plans and should notify the VTS of their location when secure;
- The pilotage areas will be closed and a broadcast made on VHF Channel 16, 15 and 13, as appropriate;
- At this time liaison with MSQ staff, DDMG, Police or Emergency Services will issue advice on the course of action to be taken in the local area;
- All marina based vessels should by now be securely moored with additional lines and all other boats should be prepared to relocate; and
- Listen to radio broadcasts, monitor the Council websites and check weather forecasts to evaluate weather conditions and determine evacuation plans on the advice given.

Additional requirements for large Commercial Vessels:

- All large commercial vessels, whether underway, alongside or at anchor, will likely be directed to proceed to sea (this is to take effect if BOM has predicted a cyclone track suggesting landfall between St Lawrence and Sandy Cape or a track parallel and close to the coast);
- All marine services are to be mobilised to assist clearing the pilotage area; the VTS will coordinate the safe and orderly clearing of the pilotage area;
- Ships alongside will depart as soon as marine services are available (if conditions deteriorate rapidly it may be necessary to depart without normal marine services in order to minimise the risk associated with remaining in port, as approved by the Regional Harbour Master);
- Ships are to report on Channel 13 when clearing the pilotage area; and
- Ship Masters must determine their own course of action to avoid the cyclone once clear of the pilotage area – no direction or recommendation will be made with regards to cyclone avoidance or the safe navigation or operation of the vessel.

## Red Alert

### Extreme weather event within 6 hours

Red Alert, all vessels are to have enacted their safety plans noting that the pilotage areas may be closed and/or vessel movements restricted commensurate with the threat of safety of vessel movements or environment. Mariners should maintain a listening watch on VHF frequencies 16, 15 and 13 for weather and condition updates. Flying debris may be a major danger to any persons on vessels and mariners are advised to stay indoors.

The Regional Harbour Master may effectively close the pilotage areas, wholly or in part, by giving general or particular direction to restrict the:

- entering or leaving of vessels in or out of a pilotage area; and/or
- movement of vessels within a pilotage areas.

Such direction will be appropriate with the threat to the safety of shipping or the environment and may occur at any time prior to the event.

The closure of the port or restriction on vessel movements will, as far as practical, be implemented in consultation with key authorities and in a timely manner in order to minimise risks.

## Orange Alert

### All clear with caution

The Regional Harbour Master will assess residual risks and determine the actions needed to be addressed. Do not assume that as the extreme weather event has passed and it is now safe to move your vessel.

The Police or the Regional Harbour Master may issue directions to evacuate a certain area or waterway, so check with the relevant agency before moving.

Broadcasts will be made over key VHF frequencies to alert vessel owners of the lifting of navigation restrictions and any hazards that may have been identified in local waters.

Owners and masters of vessels should be aware that aids to navigation may be affected by the extreme weather event. Owners and masters should reference Notices to Mariners for the latest updates. Port infrastructure will need to be inspected to ensure that facilities are fit for purpose. Charted depths may have been altered as a result of storm surge and or flood water runoff. Caution needs to be exercised due to debris in the water, which is not only above water but can also be undetected just under the surface.

The pilotage areas and ports may be re-opened by the Regional Harbour Master following direction to allow the entering or leaving of ships in and out of a pilotage area, or movement of vessels within a pilotage area. Such direction will be provided when satisfied that all danger has passed and the pilotage area is safe for vessels to re-enter or leave.

## Green Alert

### Port open to all traffic business as usual

Following inspections and surveys to critical maritime infrastructure (e.g. navigational aids, wharf, etc.) as well as clearance of navigational hazards, the Regional Harbour Master will reopen the anchorages, port and pilotage areas.

Vessel Traffic Services will coordinate the safe movement of vessels following the opening of the pilotage area in accordance with normal practice. Berths will be re-opened and operations resumed when wind and sea conditions are within operational limits.

Masters are reminded that vessels must proceed at a safe speed to the prevailing circumstances and conditions. Debris may still be in the water and can cause damage to vessels.

## Communication

The successful implementation of this plan relies on high quality communication of information and directions.

Vessel Traffic Services will implement the extreme weather event contingency plan on behalf of the Regional Harbour Master by acting as the central communications point. Gladstone Vessel Traffic Services is the call sign for this service. VTS will monitor VHF channel 16, 15 and 13, until the port is on Red Alert. Any warnings and directions will be issued on these channels.

If the plan requires actions such as port evacuation, closure and/or the movement of vessels to safer moorings, these actions will be communicated by the Gladstone VTS and enforced by Regulatory Maritime Authorities.

Owners/Masters are recommended to register with a suitable national emergency warning provider in order to receive early warning advice and updates as issued. (Providers receive their information directly from the Bureau of Meteorology: <http://www.bom.gov.au/>)

Registration with the Early Warning Network on your local Council website (if available) is recommended to receive severe weather advice.

MSQ Gladstone may contact stakeholders via SMS regarding information of potential extreme weather events or extreme weather events.

Stay tuned and connected to local credible sources of information, as the Bureau of Meteorology advises the Disaster Management Groups so that the local council and radio media outlets can advise current updates as they occur.

Updates on weather forecasts and conditions in your local vicinity may be broadcast by the local coastguard or voluntary marine rescue station as listed below:

## Key Contacts

Station	Operating Hours	VHR	27 MHz	UHF
VTS Gladstone	24 hours	16, 67, 13, 15		
Coastguard Thirsty Sound	0600-2100 (Mon to Sun)	16, 81, 83	86, 88	
Yeppoon Coastguard	0600 -1800 (Fri to Mon)	16, 21, 22	86, 88	
Keppel Sands Coastguard	0600-1800 (Tues to Thurs)	16, 21, 22	86, 88	
Coastguard Rockhampton	0830-1230 Thurs and Sat	16, 21, 22, 81 no radio watch	86, 88	
VMR Gladstone	0600-1800	16, 80, 82	88	
VMR Round Hill	0630-1800	16, 81, 82	88, 91	
VMR Bundaberg	0600-1800	16, 67, 22, 80, 81		
VMR Hervey Bay	0600-1800	16, 67, 22, 73	88, 91, 86	
Tin Can Bay Coastguard	0600-1800	16, 67, 80, 82	88, 90	4

## Key Websites

Detailed weather updates: [www.bom.gov.au](http://www.bom.gov.au)

MSQ Website [www.msq.qld.gov.au](http://www.msq.qld.gov.au)

# Appendix A - Rosslyn Bay

## Flood Early Warning Advice – Trigger to Intervention Levels

### Blue Alert

#### Warning - Prepare to remove/secure your vessel – 48/72 hours

**Trigger:**

- BoM forecast a significant rain event across the region
- Master/Owner review safety plan and prepare vessel
- Securite message broadcast on VHF by Coast Guard and/or VTS Gladstone
- Message displayed on Council website or social media.

### Yellow Alert

#### Action - Remove your vessel to safe location - 24 hours

**Trigger:**

- Upgrade message on Council website or social media
- Vessel secured as per Marina Emergency procedures
- Securite message broadcast on VHF by Coast Guard and VTS Gladstone

### Red Alert

#### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

**Trigger:**

- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

### Orange Alert

#### Recovery – Wait for All Clear – Take No Risk on the Water

**Trigger:**

- Possibly unsafe till Green Alert is declared by Regional Harbour Master.
- No unauthorised boat movement on the marina

- Vessels not to leave secure moorings/locations
- Debris and sunken vessels may be an issue
- Upgrading of all message broadcasts continues

## Green Alert

### All Clear

#### Trigger:

- Event has passed and all necessary river monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear.

## Cyclone Early WARNING Advice – Trigger to Intervention Levels.

Category	Strongest Gusts (km/h)	Winds
1	< 125	Damaging Winds. Minimal house damage. Damage to some crops, trees and caravans. Vessels may drag moorings/anchor
2	125 - 164	Destructive Winds. Minor house damage. Significant damage to signs, trees and caravans. Heavy damage to some crops. Risk of power failure. Small vessels may break moorings.
3	165 - 224	Very Destructive Winds. Some roof and structural damage Some caravans destroyed. Power failure likely.
4	225 - 279	Very Destructive Winds. Significant roofing and structural damage. Many caravans destroyed and blown away. Dangerous airborne debris. Widespread power failures.
5	> 279	Very Destructive Winds. Extremely dangerous and widespread destruction

## Blue Alert

### Warning - Prepare to remove/secure your vessel – 48/72 hours

#### Trigger:

- BoM forecast a cyclone watch across the Region for warning period that exceeds 48 - 72 hours. Destructive Winds forecast within 48 to 72 hours.
- Master/Owner review safety plan and prepare vessel
- Securite message broadcast on VHF by Coast Guard and/or VTS Gladstone
- Message displayed on Council website or social media.

## Yellow Alert

### Action - Remove or secure your vessel at safe location - 24 hours

#### Trigger:

- BoM forecast Cyclone imminent for Region within 24 hours.
- Destructive Winds forecast within 24 hours
- Upgrade message on Council website or social media
- Securite message broadcast on VHF by Coast Guard and VTS Gladstone

## Red Alert

### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

#### Trigger:

- Destructive Winds within 6 hours
- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

## Orange Alert

### Recovery – Wait for All Clear – Take No Risk on the Water

#### Trigger:

- Cyclone event has passed.
- No unauthorised boat movement
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

### All Clear

#### Trigger:

- Cyclone has passed and all necessary monitoring and clearing conducted to allow REGIONAL HARBOUR MASTER to declare the All Clear.
- Upgrading of all message broadcasts continues

## Safe Havens

- On yellow alert MSQ staff, DDMG, LDMG, Police or Emergency Services will issue advice on the recommended course of action to be taken in the local area and areas which may be deemed to be a possible safe haven.
- Vessel staying in the Marina must comply with the emergency procedures of the Marina.
- Vessels staying in or moored to the Department of Transport and Main Roads mooring facilities must comply with the emergency procedures and the directions of Rosslyn Bay Boat Harbour Control, vessels in excess of seventeen metres in overall length should not consider the Department of Transport and Main Roads mooring facility a "Safe Haven".

## Weather Broadcast

Rockhampton Met on VHF 21 at 0720, 1010, 1210, and 1705 hours

Bureau of Meteorology: [www.bom.gov.au/](http://www.bom.gov.au/)

Contact	Contact Number	Web Site
Maritime Safety Queensland - Gladstone	07 4971 5200	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Gladstone VTS – 24 hours	07 4971 5208	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Yeppoon Coast Guard	07 4933 6600	<a href="http://www.coastguard.com.au/flotillaqld/74-qf11">www.coastguard.com.au/flotillaqld/74-qf11</a>
Coast Guard Keppel Sands	07 4934 4906	<a href="http://www.coastguard.com.au/flotillaqld/41-qf20">www.coastguard.com.au/flotillaqld/41-qf20</a>
Coast Guard Thirsty Sound	07 4937 3155	<a href="https://coastguard.com.au/flotilla/qf24-thirsty-sound/">https://coastguard.com.au/flotilla/qf24-thirsty-sound/</a>
Yeppoon Police	07 4939 7990	<a href="http://mypolice.qld.gov.au/rockhampton">mypolice.qld.gov.au/rockhampton</a>
Keppel Bay Marina	07 4933 6244	<a href="http://keppelbaymarina.com.au">keppelbaymarina.com.au</a>
Rosslyn Bay Boat Harbour	07 4933 6812 or 0417 728 354	<a href="http://Dept of Transport and Main Roads www.tmr.qld.gov.au">Dept of Transport and Main Roads www.tmr.qld.gov.au</a>
Livingstone Shire Council	07 4913 5100 or 1300 797 709	<a href="http://www.livingstone.qld.gov.au">www.livingstone.qld.gov.au</a>

## Evacuation Centres

The Livingstone Shire Council sets up evacuation centres in the event of an extreme weather event. Should you require to move to an Evacuation Centre, please contact the Livingstone Shire Council.

# Appendix B - Fitzroy River

## Flood Early Warning Advice – Trigger to Intervention Levels

### Blue Alert

#### Warning - Prepare to remove/secure your vessel – 48/72 hours

**Trigger:**

- BoM forecast a significant rain event across the region.
- Master/Owner review safety plan and prepare vessel.
- Securite message broadcast on VHF by Coast Guard and / or VTS Gladstone.
- Message displayed on Council website, social media, ABC radio.

### Yellow Alert

#### Action - Remove your vessel to safe location - 24 hours

**Trigger:**

- Upgrade message on Council website or social media
- Vessel secured as per Marina Emergency procedures.
- Securite message broadcast on VHF by Coast Guard and VTS Gladstone.

### Red Alert

#### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

**Trigger:**

- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

### Orange Alert

#### Recovery – Wait for All Clear – Take No Risk on the Water

**Trigger:**

- Weather event has passed but high river flows still occurring. Rivers unsafe till Green Alert is declared by Regional Harbour Master.

- No unauthorised boat movement on the rivers (including entering the Port)
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

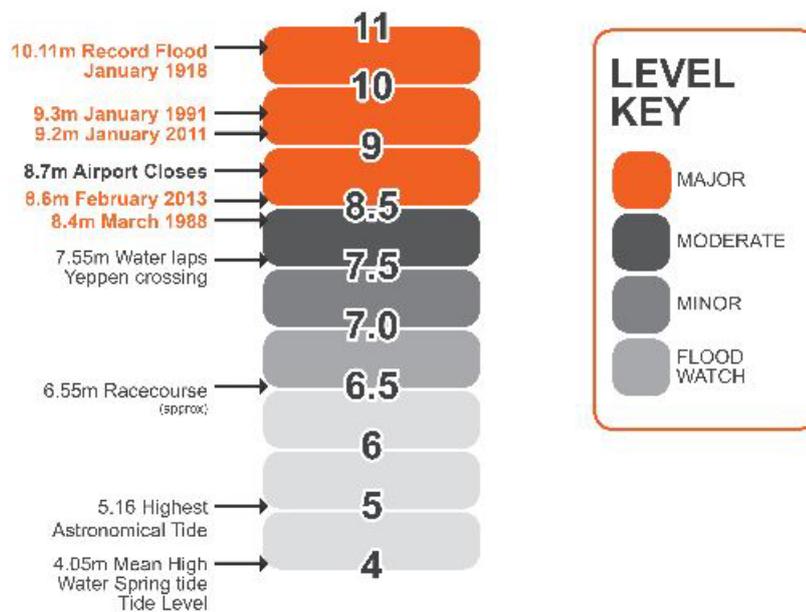
### All Clear

#### Trigger:

- Flood event has passed and all necessary river monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear for the river.

## Flood Level Classifications

### FITZROY RIVER ROCKHAMPTON FLOOD LEVEL CLASSIFICATION



# Cyclone Early Warning Advice – Trigger to Intervention Levels

Category	Strongest Gusts (km/h)	Winds
1	< 125	Damaging Winds. Minimal house damage. Damage to some crops, trees and caravans. Vessels may drag moorings/anchor
2	125 - 164	Destructive Winds. Minor house damage. Significant damage to signs, trees and caravans. Heavy damage to some crops. Risk of power failure. Small vessels may break moorings.
3	165 - 224	Very Destructive Winds. Some roof and structural damage Some caravans destroyed. Power failure likely.
4	225 - 279	Very Destructive Winds. Significant roofing and structural damage. Many caravans destroyed and blown away. Dangerous airborne debris. Widespread power failures.
5	> 279	Very Destructive Winds. Extremely dangerous and widespread destruction

## Blue Alert

### Warning - Prepare to remove/secure your vessel – 48/72 hours

#### Trigger:

- BoM forecast a cyclone watch across the Region for warning period that exceeds 48 - 72 hours. Destructive Winds forecast within 48 to 72 hours.
- Master/Owner review safety plan and prepare vessel
- Securite message broadcast on VHF by Coast Guard and/or VTS Gladstone
- Possibility of heavy rains causing flooding of the Fitzroy River
- Message displayed on Council website or social media

## Yellow Alert

### Action - Remove your vessel to safe location - 24 hours

#### Trigger:

- BoM forecast Cyclone imminent for Region within 24 hours.
- Destructive Winds forecast within 24 hours
- Upgrade message on Council website or social media
- Securite message broadcast on VHF by VMR and VTS Gladstone

## Red Alert

### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

#### Trigger:

- Destructive Winds forecast within 6 hours
- River closed by Regional Harbour Master
- VTS shut down
- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

## Orange Alert

### Recovery – Wait for All Clear – Take No Risk on the Water

#### Trigger:

- Cyclone event has passed. Port closed till re-opened by REGIONAL HARBOUR MASTER.
- VTS operations recommence
- No unauthorised boat movement on the harbour (including entering the Port)
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

### All Clear

#### Trigger:

- Cyclone has passed and all necessary monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear.
- Upgrading of all message broadcasts continues.

## Safe Havens

- South of Nerimbera Boat Ramp
- Devil's Elbow
- Pirate Point
- Casuarina Creek to anchor at Port Alma
- Rosslyn Bay Boat Harbour

## Key Contacts

Contact	Contact Number	Web Site
Maritime Safety Queensland - Gladstone	07 49 715 200	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Gladstone VTS – 24 hours	07 49 715 208	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Gladstone VMR	07 49 723 333	<a href="http://www.vmr Gladstone.org.au">www.vmr Gladstone.org.au</a>
Gladstone Police	07 49 713 222	<a href="http://mypolice.qld.gov.au/gladstone">mypolice.qld.gov.au/gladstone</a>
Rockhampton Police	131 444	<a href="http://mypolice.qld.gov.au/rockhampton">mypolice.qld.gov.au/rockhampton</a>
Coast Guard Keppel Sands (Tue-Thu)	07 49 336 600	<a href="http://www.coastguard.com.au/flotillaqld/41-qf20">www.coastguard.com.au/flotillaqld/41-qf20</a>
Coast Guard Yeppoon (Fri-Mon)	07 49 344 906	<a href="http://coastguard.com.au/flotillaqld/74-qf11">coastguard.com.au/flotillaqld/74-qf11</a>
Coast Guard Rockhampton (Thurs and Sat)	07 49 212 266	<a href="https://coastguard.com.au/flotilla/qf19-rockhampton/">https://coastguard.com.au/flotilla/qf19-rockhampton/</a>
Gladstone Regional Council	07 49 700 700	<a href="http://www.gladstone.qld.gov.au">www.gladstone.qld.gov.au</a>
Rockhampton Regional Council	1300 22 55 77 07 49 329 000	<a href="http://www.rockhamptonregion.qld.gov.au/Home">www.rockhamptonregion.qld.gov.au/Home</a>
Livingstone Shire Council	07 49 135 100 or 1300 797 709	<a href="http://www.livingstone.qld.gov.au">www.livingstone.qld.gov.au</a>

# Appendix C – Port Alma

## Flood Early Warning Advice – Trigger to Intervention Levels

### Blue Alert

#### Warning - Prepare to remove/secure your vessel – 48/72 hours

**Trigger:**

- BoM forecast a significant rain event
- Master/Owner review safety plan and prepare vessel
- Securite message broadcast on VHF by VMR and/or VTS Gladstone
- Message displayed on Council website, social media.

### Yellow Alert

#### Action - Remove your vessel to safe location - 24 hours

**Trigger:**

- Upgrade message on Council website or social media.
- Securite message broadcast on VHF by Coast Guard and VTS Gladstone.

### Red Alert

#### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

**Trigger:**

- It is too late to consider the safety of the vessel.
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues.

### Orange Alert

#### Recovery – Wait for All Clear – Take No Risk on the Water

**Trigger:**

- Weather event has passed but high river flows still occurring. Rivers unsafe till Green Alert is declared by Regional Harbour Master.
- No unauthorised boat movement on the rivers (including entering the Port)

- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

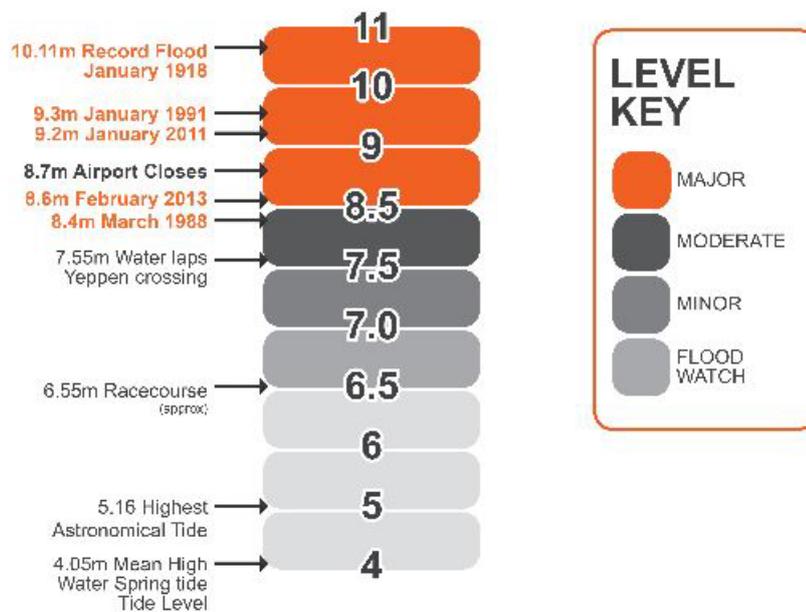
### All Clear

#### Trigger:

- Flood event has passed and all necessary river monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear for the river.

## Flood Level Classifications

### FITZROY RIVER ROCKHAMPTON FLOOD LEVEL CLASSIFICATION



# Cyclone Early Warning Advice – Trigger to Intervention Levels

Category	Strongest Gusts (km/h)	Winds
1	< 125	Damaging Winds. Minimal house damage. Damage to some crops, trees and caravans. Vessels may drag moorings/anchor
2	125 - 164	Destructive Winds. Minor house damage. Significant damage to signs, trees and caravans. Heavy damage to some crops. Risk of power failure. Small vessels may break moorings.
3	165 - 224	Very Destructive Winds. Some roof and structural damage Some caravans destroyed. Power failure likely.
4	225 - 279	Very Destructive Winds. Significant roofing and structural damage. Many caravans destroyed and blown away. Dangerous airborne debris. Widespread power failures.
5	> 279	Very Destructive Winds. Extremely dangerous and widespread destruction

## Blue Alert

### Warning - Prepare to remove/secure your vessel – 48/72 hours

#### Trigger:

- BoM forecast a cyclone watch across the Region. Destructive Winds forecast within 48 to 72 hours.
- Master/Owner review safety plan and prepare vessel
- Securite message broadcast on VHF by VMR and/or VTS Gladstone
- Message displayed on Council website or social media.

## Yellow Alert

### Action - Remove your vessel to safe location - 24 hours

#### Trigger:

- BoM forecast Cyclone imminent for Region within 24 hours.
- Destructive Winds forecast within 24 hours
- Upgrade message on Council website or social media
- Securite message broadcast on VHF by VMR and VTS Gladstone

## Red Alert

### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

#### Trigger:

- Destructive Winds forecast within 6 hours
- River closed by Regional Harbour Master
- VTS shut down
- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

## Orange Alert

### Recovery – Wait for All Clear – Take No Risk on the Water

#### Trigger:

- Cyclone event has passed. Port closed till re-opened by REGIONAL HARBOUR MASTER.
- VTS operations recommence
- No unauthorised boat movement on the harbour (including entering the Port)
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

### All Clear

#### Trigger:

- Cyclone has passed and all necessary monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear.
- Upgrading of all message broadcasts continues.

## Safe Havens

- The streams and creeks surrounding the port. All creeks leading off the Fitzroy River should to be avoided.
- All large commercial vessels must depart Port Alma for sea and the waters to the south e.g. Bundaberg, Hervey Bay or Brisbane

# Key Contacts

Contact	Contact Number	Web Site
Maritime Safety Queensland - Gladstone	07 4971 5200	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Gladstone VTS – 24 hours	07 4971 5208	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Gladstone VMR	07 4972 3333	<a href="http://www.vmr Gladstone.org.au">www.vmr Gladstone.org.au</a>
Gladstone Police	07 4971 3222	<a href="http://mypolice.qld.gov.au/gladstone">mypolice.qld.gov.au/gladstone</a>
Gladstone Regional Council	07 4970 0700	<a href="http://www.gladstone.qld.gov.au">www.gladstone.qld.gov.au</a>
Rockhampton Regional Council	1300 22 55 77 07 4932 9000	<a href="http://www.rockhamptonregion.qld.gov.au/Home">www.rockhamptonregion.qld.gov.au/Home</a>

# Appendix D – Gladstone

## Flood Early Warning Advice – Trigger to Intervention Levels

### Blue Alert

#### Warning - Prepare to remove/secure your vessel – 48/72 hours

**Trigger:**

- BoM forecast a significant rain event across the catchment of the Calliope River and Awonga Dam
- Master/Owner review safety plan and prepare vessel
- Securite message broadcast on VHF by VMR and/or VTS Gladstone
- Message displayed on Council website or social media.

### Yellow Alert

#### Action - Remove your vessel to safe location - 24 hours

**Trigger:**

- Awonga Dam overflow forecast within 24 hours ( Dam overflows at 40m and may cause issues for vessels in the Boyne River when the dam level is above 41.5m)
- Calliope River levels increasing 24 hours
- Upgraded message on Council, GAWB website or social media
- Securite message broadcast on VHF by VMR and VTS Gladstone

### Red Alert

#### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

**Trigger:**

- It is too late to consider the safety of the vessel.
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues.

## Orange Alert

### Recovery – Wait for All Clear – Take No Risk on the Water

#### Trigger:

- Weather event has passed but high river flows still occurring. Rivers unsafe till Green Alert is declared by Regional Harbour Master.
- No unauthorised boat movement on the rivers (including entering the Port)
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

### All Clear

#### Trigger:

- Flood event has passed and all necessary river monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear for the river.

## Cyclone Early Warning Advice – Trigger to Intervention Levels

Category	Strongest Gusts (km/h)	Winds
1	< 125	Damaging Winds. Minimal house damage. Damage to some crops, trees and caravans. Vessels may drag moorings/anchor
2	125 - 164	Destructive Winds. Minor house damage. Significant damage to signs, trees and caravans. Heavy damage to some crops. Risk of power failure. Small vessels may break moorings.
3	165 - 224	Very Destructive Winds. Some roof and structural damage Some caravans destroyed. Power failure likely.
4	225 - 279	Very Destructive Winds. Significant roofing and structural damage. Many caravans destroyed and blown away. Dangerous airborne debris. Widespread power failures.
5	> 279	Very Destructive Winds. Extremely dangerous and widespread destruction

## Blue Alert

### Warning - Prepare to remove/secure your vessel – 48/72 hours

**Trigger:**

- BoM forecast a cyclone watch across the Region. Destructive Winds forecast within 48 to 72 hours.
- Master/Owner review safety plan and prepare vessel
- Securite message broadcast on VHF by VMR and/or VTS Gladstone
- Message displayed on Council website or social media.

## Yellow Alert

### Action - Remove your vessel to safe location - 24 hours

**Trigger:**

- BoM forecast Cyclone imminent for Region within 24 hours.
- Destructive Winds forecast within 24 hours
- Upgrade message on Council website or social media
- Securite message broadcast on VHF by VMR and VTS Gladstone

## Red Alert

### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

**Trigger:**

- Destructive Winds forecast within 6 hours
- River closed by Regional Harbour Master
- VTS shut down
- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

## Orange Alert

### Recovery – Wait for All Clear – Take No Risk on the Water

**Trigger:**

- Cyclone event has passed. Port closed till re-opened by REGIONAL HARBOUR MASTER.
- VTS operations recommence
- No unauthorised boat movement on the harbour (including entering the Port)
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

### All Clear

#### Trigger:

- Cyclone has passed and all necessary monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear.
- Upgrading of all message broadcasts continues.

### Safe Havens

- The streams and creeks in the upper reaches of the harbour and The Narrows
- Creeks that enter the port limits to the south of the harbour such as Colosseum Inlet and Rodd's Harbour.
- Anchor and ballast down in more sheltered waters in the far western or northern parts of the harbour.
- Departing Gladstone for waters to the south e.g. Bundaberg, Hervey Bay or Brisbane.
- All vessels berthed or wishing to berth in the Gladstone Marina must seek advice from the Marina Operators GPC regarding the Marina's requirements during extreme weather events
- Commercial vessels are permitted to shelter in Grahams Creek. RO-RO vessels are to take shelter before the creek narrows with aluminium vessels to shelter further up the creek.

### Key Contacts

Contact	Contact Number	Web Site
Maritime Safety Queensland - Gladstone	07 4971 5200	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Gladstone VTS – 24 hours	07 4971 5208	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Gladstone VMR	07 4972 3333	<a href="http://www.vmr Gladstone.org.au">www.vmr Gladstone.org.au</a>
Gladstone Police	07 4971 3222	<a href="http://mypolice.qld.gov.au/gladstone">mypolice.qld.gov.au/gladstone</a>
Gladstone Regional Council	07 4970 0700	<a href="http://www.gladstone.qld.gov.au">www.gladstone.qld.gov.au</a>
Gladstone Marina	07 4976 1398	<a href="http://www.gpcl.com.au/TheGladstoneMarina/GladstoneMarina.aspx">www.gpcl.com.au/TheGladstoneMarina/GladstoneMarina.aspx</a>

# Appendix E – Bundaberg

## Flood Early Warning Advice – Trigger to Intervention Levels

### Blue Alert

#### Warning - Prepare to remove/secure your vessel – 48/72 hours

**Trigger:**

- BoM forecast a significant rain event across the catchment of the Burnett River.
- Master/Owner review safety plan and prepare vessel
- Early warning message sent to registered mobile phone numbers
- Securite message broadcast on VHF by VMR and/or VTS Gladstone
- Message displayed on Council website or social media.

### Yellow Alert

#### Action - Remove your vessel to safe location - 24 hours

**Trigger:**

- Paradise Dam overflow equivalent to what will result in 3m level in Burnett River at Bundaberg gauge.
- Upgrade message on Council website or social media
- Upgraded message sent to registered mobile phone numbers
- Securite message broadcast on VHF by VMR and VTS Gladstone

### Red Alert

#### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

**Trigger:**

- Bundaberg gauge in Burnett River greater than 3m.
- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

## Orange Alert

### Recovery – Wait for All Clear – Take No Risk on the Water

**Trigger:**

- Weather event has passed but high river flows still occurring. River unsafe till Green Alert is declared by Regional Harbour Master.
- No unauthorised boat movement on the river (including entering the Port)
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

### All Clear

**Trigger:**

- Flood event has passed and all necessary river monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear for the river.

## Cyclone Early Warning Advice – Trigger to Intervention Levels

Category	Strongest Gusts (km/h)	Winds
1	< 125	Damaging Winds. Minimal house damage. Damage to some crops, trees and caravans. Vessels may drag moorings/anchor
2	125 - 164	Destructive Winds. Minor house damage. Significant damage to signs, trees and caravans. Heavy damage to some crops. Risk of power failure. Small vessels may break moorings.
3	165 - 224	Very Destructive Winds. Some roof and structural damage Some caravans destroyed. Power failure likely.
4	225 - 279	Very Destructive Winds. Significant roofing and structural damage. Many caravans destroyed and blown away. Dangerous airborne debris. Widespread power failures.
5	> 279	Very Destructive Winds. Extremely dangerous and widespread destruction

## Blue Alert

### Warning - Prepare to remove/secure your vessel – 48/72 hours

**Trigger:**

- BoM forecast a cyclone watch across the Region which includes the Burnett River for warning period that exceeds 48 - 72 hours. Destructive Winds forecast within 48 to 72 hours.
- Master/Owner review safety plan and prepare vessel

- Early warning message sent to registered mobile phone numbers
- Securite message broadcast on VHF by VMR and/or VTS Gladstone
- Message displayed on Council website or social media

## **Yellow Alert**

### **Action - Remove your vessel to safe location - 24 hours**

#### **Trigger:**

- BoM forecast Cyclone imminent for Region within 24 hours.
- Destructive Winds forecast within 24 hours
- Upgrade message on Council website or social media
- Upgraded message sent to registered mobile phone numbers
- Securite message broadcast on VHF by VMR and VTS Gladstone

## **Red Alert**

### **Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours**

#### **Trigger:**

- Bundaberg Region bearing force of cyclone. Port and River closed by Regional Harbour Master
- Destructive Winds within 6 hours
- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

## **Orange Alert**

### **Recovery – Wait for All Clear – Take No Risk on the Water**

#### **Trigger:**

- Cyclone event has passed. Port and River closed till re-opened by REGIONAL HARBOUR MASTER.
- No unauthorised boat movement on the river (including entering the Port)
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

# Green Alert

## All Clear

### Trigger:

- Cyclone has passed and all necessary monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear.
- Upgrading of all message broadcasts continues.

## Safe Havens

On yellow alert MSQ staff, DDMG, Police or Emergency Services will issue advice on the course of action to be taken in the local area and areas which may be deemed to be a safe haven

## Key Contacts

Contact	Contact Number	Web Site
Maritime Safety Queensland - Bundaberg	07 4132 6600	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Gladstone VTS – 24 hours	07 4971 5208	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Bundaberg VMR	07 4159 4349	<a href="http://vmrbundaberg.com.au">vmrbundaberg.com.au</a>
Bundaberg Police	131 444	<a href="http://mypolice.qld.gov.au/bundaberg">mypolice.qld.gov.au/bundaberg</a>
Bundaberg Regional Council	1300 883 699	<a href="http://www.bundaberg.qld.gov.au">www.bundaberg.qld.gov.au</a>
Bundaberg Port Marina	07 4159 5066	<a href="http://www.bundabergportmarina.com.au">www.bundabergportmarina.com.au</a>

# Appendix F – Hervey Bay Regions

(Tin Can Bay, Hervey Bay and Mary River)

## Flood Early Warning Advice – Trigger to Intervention Levels

### Blue Alert

#### Warning - Prepare to remove/secure your vessel – 48/72 hours

**Trigger:**

- BoM forecast a significant rain event across the catchment of the Mary River.
- Master/Owner review safety plan and prepare vessel
- Early warning message sent to registered mobile phone numbers
- Securite message broadcast on VHF by VMR and/or VTS Gladstone
- Message displayed on Council website or social media
- Enact your Marina Emergency Plan if you are in Marina

### Yellow Alert

#### Action - Remove your vessel to safe location - 24 hours

**Trigger:**

- Upgrade message on Council website or social media
- Upgraded message sent to registered mobile phone numbers
- Securite message broadcast on VHF by VMR and VTS Gladstone

### Red Alert

#### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

**Trigger:**

- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

## Orange Alert

### Recovery – Wait for All Clear – Take No Risk on the Water

#### Trigger:

- Weather event has passed but high river flows still occurring. River unsafe till Green Alert is declared by Regional Harbour Master.
- No unauthorised boat movement on the river, straits area, bay or marinas.
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

### All Clear

#### Trigger:

- Flood event has passed and all necessary river monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear for the river.

## Cyclone Early Warning Advice – Trigger to Intervention Levels

Category	Strongest Gusts (km/h)	Winds
1	< 125	Damaging Winds. Minimal house damage. Damage to some crops, trees and caravans. Vessels may drag moorings / anchor
2	125 - 164	Destructive Winds. Minor house damage. Significant damage to signs, trees and caravans. Heavy damage to some crops. Risk of power failure. Small vessels may break moorings.
3	165 - 224	Very Destructive Winds. Some roof and structural damage Some caravans destroyed. Power failure likely.
4	225 - 279	Very Destructive Winds. Significant roofing and structural damage. Many caravans destroyed and blown away. Dangerous airborne debris. Widespread power failures.
5	> 279	Very Destructive Winds. Extremely dangerous and widespread destruction

## Blue Alert

### Warning - Prepare to remove/secure your vessel – 48/72 hours

#### Trigger:

- BoM forecast a cyclone watch across the Region warning period that exceeds 48 - 72 hours.
- Destructive Winds forecast within 48 to 72 hours.
- Master/Owner review safety plan and prepare vessel

- Early warning message sent to registered mobile phone numbers
- Securite message broadcast on VHF by VMR and/or VTS Gladstone
- Message displayed on Council website or social media.
- Enact your Marina Emergency Plan if you are in Marina

## Yellow Alert

### Action - Remove your vessel to safe location - 24 hours

#### Trigger:

- BoM forecast Cyclone imminent for Region within 24 hours.
- Destructive Winds forecast within 24 hours
- Upgrade message on Council website or social media
- Upgraded message sent to registered mobile phone numbers
- Securite message broadcast on VHF by VMR and VTS Gladstone

## Red Alert

### Preserve Life – Stay Safe – Take No Risk on the Water - 6 hours

#### Trigger:

- Mary River Region bearing force of cyclone. River closed by Regional Harbour Master
- Destructive Winds within 6 hours
- It is too late to consider the safety of the vessel
- Response action should already have been directed to personal safety.
- Upgrading of all messages continues

## Orange Alert

### Recovery – Wait for All Clear – Take No Risk on the Water

#### Trigger:

- Cyclone event has passed. River closed till re-opened by REGIONAL HARBOUR MASTER.
- No unauthorised boat movement on the river, straits area, bay or marinas.
- Vessels not to leave secure moorings/locations
- Upgrading of all message broadcasts continues

## Green Alert

### All Clear

#### Trigger:

- Cyclone has passed and all necessary monitoring and clearing conducted to allow Regional Harbour Master to declare the All Clear.
- Upgrading of all message broadcasts continues.

### Safe Havens

- Behind River Heads
- Hervey Bay Marinas
- Tributaries of the Mary River
- Bundaberg Marina
- Tin Can Bay Marina

### Key Contacts

Contact	Contact Number	Web Site
Maritime Safety Queensland - Urangan	07 4194 9600	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Gladstone VTS – 24 hours	07 4971 5208	<a href="http://www.msq.qld.gov.au">www.msq.qld.gov.au</a>
Urangan VMR	07 4128 9666	<a href="http://www.marinerescueherveybay.org.au">www.marinerescueherveybay.org.au</a>
Tin Can Bay Coastguard	07 5486 4290	<a href="http://www.coastguard.com.au/flotillaqld/40-qf17">www.coastguard.com.au/flotillaqld/40-qf17</a>
Hervey Bay Police	131 444	<a href="http://mypolice.qld.gov.au/maryborough/category/location/hervey-bay">mypolice.qld.gov.au/maryborough/category/location/hervey-bay</a>
Fraser Coast Regional Council	1300 794 929	<a href="http://www.frasercoast.qld.gov.au/contact-council">www.frasercoast.qld.gov.au/contact-council</a>
Fisherman's Wharf Marina	07 4128 9744	<a href="http://www.fishermanswharfmarinaherveybay.com.au/services.htm">www.fishermanswharfmarinaherveybay.com.au/services.htm</a>
Hervey Bay Boat Club	07 4128 9643	<a href="http://www.boatclub.com.au/venues/marina">www.boatclub.com.au/venues/marina</a>
Great Sandy Straits Marina	07 4125 3822	<a href="http://greatsandystraitsmarina.com.au">greatsandystraitsmarina.com.au</a>
Tin Can Bay Marina	07 5488 1800	<a href="http://www.tincanbaymarina.com.au">www.tincanbaymarina.com.au</a>