

Mackay Marina Village

CYCLONE MANAGEMENT PLAN



Mackay Marina Village

Mackay Marina Sales Office, Mulherin Drive, Mackay Harbour Qld 4740.

(P) 07 4955 6855 | (F) 07 4955 6922 | (E) reception@mackaymarina.com

www.mackaymarina.com www.peterhansen.com.au

CONTENTS

<u>INTRODUCTION</u>	3
<u>ABOUT TROPICAL CYCLONES</u>	4
<u>STAYING UP TO DATE</u>	5
<u>PREPARING FOR A CYCLONE</u>	6
<u>TO STAY IN OR LEAVE THE MARINA</u>	8
<u>TO STAY ON OR, LEAVE THE VESSEL</u>	8
<u>RESPONSIBILITY AND AUTHORITY</u>	8
<u>CHOOSING THE CORRECT MOORING LINES</u>	9
<u>HOW TO TIE UP YOUR VESSEL</u>	10
<u>DO'S & DON'TS</u>	11
<u>IF YOU ARE LEAVING YOUR VESSEL UNATTENDED DURING THE SEVERE WEATHER SEASON</u>	12
<u>EMERGENCY EVACUATION POINTS</u>	13
<u>EMERGENCY KIT GUIDE:</u>	14
<u>CONDITIONS</u>	15
<u>AFTER THE CYCLONE PASSES</u>	20
<u>STORM TIDE/SURGE</u>	21
<u>EMERGENCY CONTACTS</u>	22

Introduction

Mackay Marina Village is located in the wonderful tropics of North Queensland where we enjoy a luxurious climate. This North Queensland lifestyle is envied by many people all over the world, however between November and April each year this lifestyle puts our paradise at risk as we enter Cyclone Season.

Storm and Cyclone Season in Queensland extends from November through to the end of April. During this period, it is mandatory all mariners stay prepared and vigilant to the risks of severe weather events. We encourage you to familiarise yourself with the procedures to prepare for these events accordingly.

From 1st November to 30th April each year the Cyclone Season takes place. Mackay Marina begins preparing in early November for the possible severe storms or cyclones that lay ahead all throughout the season.

The Mackay Marina is committed to helping residents and boat owners to prepare for Cyclone Season to minimise overall damage in the outcome of these events.

We have conducted a Cyclone Management Plan to help boat owners prepare and acknowledge the compulsory measures we expect boat owners to take to ensure they are prepared and safe for all cyclones and severe weather events.

All mariners must comply with the Marina's instructions to prepare their vessels early. Marina staff will regularly inspect vessel preparations and communicate with vessel owners with recommendations to bring their vessels up-to-date and ready.

About Tropical Cyclones

Tropical Cyclones are violent, spiralling, low-pressure wind and rain systems that develop over the warm oceans off the northern coasts of Australia. Tropical Cyclones threaten lives and property at sea and on land. Cyclones are unpredictable as they come in many forms, sizes, and intensity. They can cause disruption, damage, and destruction far beyond the coast, including extensive flooding.

We ask that you take the time to read this Cyclone Management Plan with caution and to ensure you are prepared during Cyclone Season. During this time, Marina staff undertake Cyclone Preparation checks of each vessel and supply recommendations to vessel owners by email or phone on how they can take extra precautions. Mackay Marina staff are happy to provide help through the season to ensure all precautions are met.

About Tropical Cyclones

Tropical cyclones are low-pressure systems that develop over the warm oceans off the Northern coast of Australia. Tropical cyclones vary significantly by size and direction of travel. Cyclones produce strong winds, flooding, storm surge and heavy rainfall.

Tropical Cyclone Categories

The severity of a cyclone is described using a five-category system shown below.

Category	Maximum Mean Wind (km/h)	Typical Strongest Gusts (km/h)	Typical Effects
1	63-88	<125	Damaging winds. Negligible house damage. Damage to some crops, trees and caravans. Boats may drag moorings.
2	89-117	125-164	Destructive winds. Minor house damage. Significant damage to signs, trees, and caravans. Heavy damage to some crops. Risk of power failure. Small craft may break moorings.
3	118-159	165-224	Very destructive winds. Some roof and structural damage. Some caravans destroyed. Power failures likely
4	160-199	225-278	Significant roofing loss and structural damage. Many caravans destroyed and blown away. Dangerous airborne debris. Widespread power failures.
5	>200	>279	Extremely dangerous with widespread destruction.

How do tropical cyclones form?

Thunderstorms can develop in clusters over warm tropical oceans. If thunderstorm clusters persist in an area of low pressure, it can start rotating. If these conditions are just right, the cluster of thunderstorms can grow and sustain itself and then begin to develop into a cyclone. The moisture from warm oceans acts as fuel for a developed cyclone as this generates huge amounts of energy as clouds form.

The Eye of a Cyclone

The eye is usually about 40km wide but can range from 10km to over 100km wide with light winds and clear skies.



Staying up to date

It is **extremely important** to stay up to date and informed in a lead up of a severe weather event. We advise you sign up for BOM weather notifications and tune into the local radio ABC and news channels for weather updates.

Will Mackay Marina update you?

The Mackay Marina will post regular updates to social media platforms such as our [Facebook](#) regularly as predictable, and as the severe weather event intensifies and changes however it is still mandatory for you to seek other sources of information.

We will send Email's & SMSs with weather updates in the case of a severe cyclone.

Cyclone tracking charts & weather forecast will be available from the Marina office showing the position and progress of the cyclone.

Weather Monitoring & Forecasts

- [The Bureau of Meteorology](#) posts regular updates & warnings – download [The App](#).
- Volunteer Marina Rescue (VMR) will make announcements on Channel 16
- Local Mackay News Channels 7NEWS, ABC NEWS, 9 NEWS & all the free to air TV channels will post updates as the Cyclone intensifies.
- Many mobile weather apps also post updates.
- The latest advice can be obtained from the telephone warning service.
- On 1300 659 212

During a disaster ensure to monitor Local Mackay Radio Stations for regular updates:

ABC Tropical North	101.1 FM
Star	101.9 FM
4MK	1026 AM
Triple M	98.7 FM
Hit FM	100.3 FM
4CRM	107.5FM
My105.9FM	105.9 FM
My95.9FM Sarina	95.9 FM



Preparing for a Cyclone

1. **Double up mooring lines** - Mooring lines are to be doubled with secondary lines to alternative cleats. Do not run the secondary lines to the same cleats, as cleat failure will release the vessel from safe mooring. The secondary lines should be secured slightly slack to ensure that they are only required to work if the primary line fails. **Do not secure lines to piles, as they will jam in the rollers.** Ensure lines are of an adequate size to secure the vessel.
2. **In extreme conditions vessels have a tendency to ride up onto the pontoons.** Please ensure that the vessel is positioned in a manner that if the primary lines fail, that there is **not enough** slack on the secondary lines to allow the vessel to move on to the main or adjacent finger.
3. **Up-to-date mooring lines** -Ropes and other synthetic fibres such as polyethylene, polypropylene and polyester are all susceptible to U.V. damage from sunlight. **All** will deteriorate in some way over 1 – 3 years and cannot usually be noticed until the rope is placed under stress. The deterioration occurs very rapidly after U.V. damage commences.
4. **Do not use chain to secure the vessel.** Chain has no ability to stretch and will damage your vessel or the marina. Anchors may be lowered but ensure that there is enough slack out to compensate for the rise and fall of the swells & tide. Do not anchor over or onto walkways or piles. DO NOT hook anchors or anchor chains to pylons.
5. **Check boat cleats for integrity**, generally ropes are stronger than these. If there is any uncertainty, secure a line to one of the main structural members. Eg Mast.
6. **Reduce wind loading to a minimum.** Remove clears, and all deck equipment i.e. lifebuoys, covers etc and store below. Remove all furled sails. If this cannot be done, double wrap them to prevent wind from opening them up. Any surface that catches wind adds further load to your mooring lines.
7. **Stow away all loose gear** (buckets, fishing gear etc) below. Deflate & stow inflatable dinghies. Other dinghies should preferably be launched, cleaned out and secured on the inside of either the fuel pontoon, A marina or B marina. If left on the deck they should be cleaned out, bungs removed and securely lashed down, preferably overturned.

8. **Fenders** – Add as many fenders to your vessel as you can, the more fenders the better. Keep the fenders low to the water to prevent them from riding up onto the pontoons.
9. **Ensure that all scuppers are clear and will stay clear** – Openings must be clear to promote self-drainage.
10. **Sails** – lash down all furled sails, mainsails and covers. If you can not remove your sail, ensure to lash, and double wrap them to ensure the wind cannot tease the ends out. Having a sail that is not taken off or prepared properly increases wind loading.
11. **Shore power and water leads are to be disconnected** – Ensure you are using a waterproof shore power lead with a waterproof skirt.- prepare to disconnect if vacating the marina.
12. **Position spare fenders and lines** – Have plenty efficient spare fenders and lines. Run a full set of additional lines as a pack up to your regular set. These spare lines are perfect back up if you lose a line or a cleat fails.
13. **Confirm that all bilge pumps are working** – Ensure all bilge pumps are switched to automatic when you leave your vessel. Please check you have no pollutants in your bilge that may possibly be discharged into the marina.
14. **Vessels on air docks** – All vessels on air docks must be lowered into the water, ensure lines are added to both the air dock and the vessel to secure them to the marina pontoon.
15. **Prepare an emergency kit** – Including spare lines, fenders, torches, food, buckets, tools, pumps, important documents (we have supplied an emergency kit guide in this CMP)
16. **Review your Insurance Policy** – Verify you have the correct insurance cover pertaining to extreme weather and that your cover is current.
17. **Verify contact information with Marina Office** – Verify your own contact information and verify your emergency contact information.
18. **Check VHF communications** – Check on channels 16 then 11.

TO STAY IN OR LEAVE THE MARINA

When the design criteria for the Marina were being established, consideration was given to the likely range of weather conditions which might be experienced and the design work and later, construction was carried out so that the overall structures would withstand the expected loads while vessels are moored in the berths.

Notwithstanding the care which was taken in establishing design and construction criteria which were considered to be appropriate, no guarantee can be given that the structures are capable of maintaining their integrity in the complete range of cyclonic conditions which may occur in the Mackay area.

Under the circumstances, vessels are accepted into the Marina and are permitted to remain only on the strict understanding that the Masters or owners in charge of each of them will make the decision to exit the Marina or remain when a tropical cyclone or other extreme weather conditions are forecast and Mackay Marina Pty Ltd accepts absolutely no responsibility whatsoever for any consequence which results from such decision.

The Small Craft Haven is a place of shelter and cannot be guaranteed to be a place of safe haven.

TO STAY ON OR, LEAVE THE VESSEL

While Marina management and staff will provide assistance to Masters and owners of vessels and people on vessels, including information in relation to weather forecasts and warnings they will provide no suggestions, recommendations or directions about whether persons should remain on board or leave vessels.

The decision to remain on board or leave vessels is entirely the responsibility of the Masters and owners or the persons themselves.

RESPONSIBILITY AND AUTHORITY

Masters and owners have an obligation under Transport Operations Marine Safety Act 1994 (S40) at all times to take appropriate precautions for the safety of their vessels, passengers and crew and nothing done by Marina management or staff at any time will impact on or over-ride the absolute responsibility of Masters and owners in that regard.

In cyclonic or other extreme weather conditions, the Regional Harbour Master may give directions in relation to vessels in the Small Craft Haven.

Subject to any directions given by the Regional Harbour Master the movement of vessels in and out of the Small Craft Haven is self managed. Management and staff will not interfere with that status.

Neither Marina management nor staff are empowered to direct or instruct Masters or owners of vessels or their passengers and/or crew in such a way that the legal obligations which Masters and owners have to their passengers and/or crew are interfered with or compromised in any way. No such directions or instructions will be given.

If they leave their vessel, all persons must then immediately comply with any directions given by Emergency Services personnel in the area.

Choosing The Correct Mooring Lines

As a general rule, the length of bow and stern lines should equal half of your boat's overall length. Spring lines should be slightly longer, approximately two-thirds the length of your boat. Spring lines keep the boat snugly near the dock by preventing it from moving fore or aft, while allowing for the rise and fall of the tide.

Remember; the position of the cleats on your boat and dock as they may affect the length of the dock line required. Always check if your boat cleats height and centre gap will accept the proposed dock line loop.

In the case of cyclonic weather (constant winds above 50 knots), it is always recommended to double the number of dock lines. That is 2 X bow, 2 X stern and 4 X springer. This is recommended over solely increasing the diameter of an existing dock line.

Below is a guide on the correct size mooring lines for your vessel:
Remember – The bigger the better!

Boat Length	Rope Diameter	
	Metric	Inches
Boats under 20 feet or 6 meters in length	10mm	3/8"
Boats from 20 to 35 feet or 6 to 10 meters in length	14mm	9/16"
Boats from 30 to 40 feet or 9 to 12 meters in length	16mm	5/8"
Boats from 40 to 46 feet or 12 to 14 meters in length	18mm	3/4"
Boats from 46 to 54 feet or 14 to 17 metres in length	20mm	4/5"
Boats from 55 to 63 feet or 17 to 19 metres in length	22mm	7/8"
Boats from 64 to 72 feet or 20 to 22 meters in length	24mm	1"

Dock lines most come in three weave types: three-strand, braided and double braided. There are subtle differences between these three types of lines listed below, but ultimately, any of these types makes an adequate dock line.

- **Three-strand:** Abrasion resistant, stretches more, easier to splice, less expensive.
- **Braided Nylon:** Stronger, easy on the hands, looks good.
- **Double Braided Nylon:** Strongest, easy to handle, abrasion resistant and controlled elongation, looks good.



Ropes and other synthetic fibres such as polyethylene, polypropylene and polyester are all susceptible to U.V. damage from sunlight. **All** will deteriorate in some way over 1 – 3 years and cannot usually be noticed until the rope is placed under stress. The deterioration occurs very rapidly after U.V. damage commences.

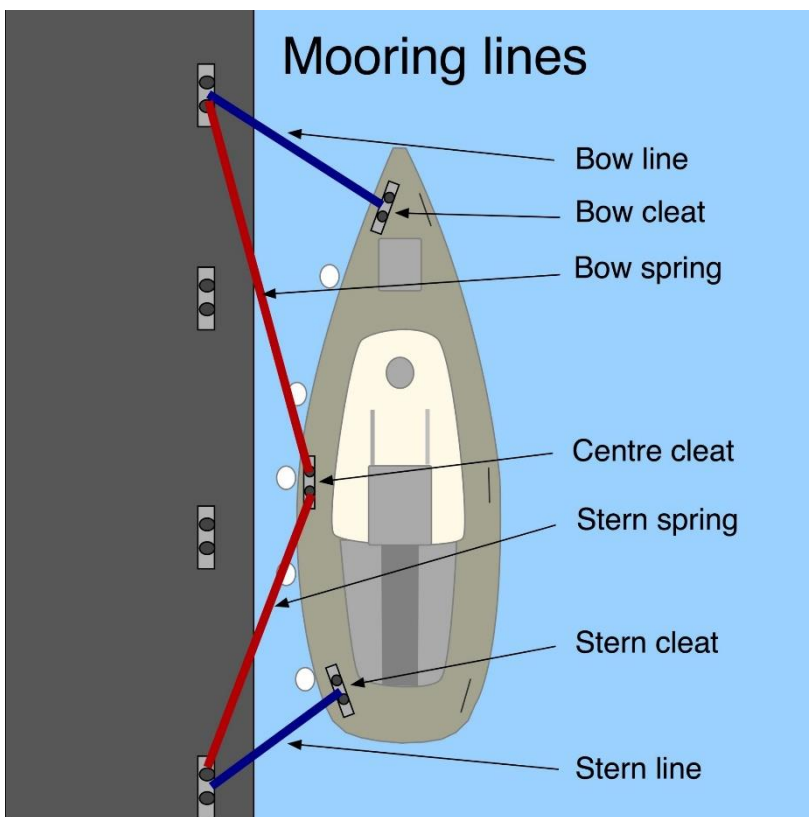


How to Tie Up Your Vessel

Mooring lines should be doubled with secondary lines to alternative cleats. Do not run the secondary lines to the same cleats, as cleat failure will release the vessel from safe mooring. The secondary lines should be secured slightly slack to ensure that they are only required to work if the primary line fails. Do not secure lines to piles, as they may jam the rollers. Ensure lines are of an adequate size to secure the vessel.

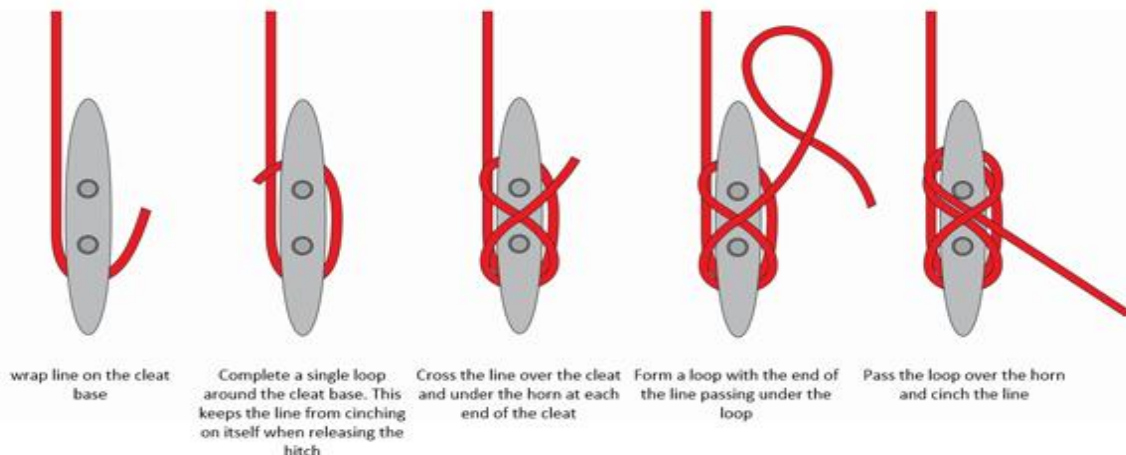
In extreme conditions vessels have a tendency to ride up onto the pontoons of a marina.

Please ensure that the vessel is positioned in a manner that if the primary lines fail, that there is not enough slack on the secondary lines to allow the vessel to move on to the main or adjacent finger.



- ✗ Do not use short lines
- ✗ Do not use sheet lines
- ✗ Do not rely on 1 set of lines
- ✗ Do not use old/UV damaged lines
- ✓ Double up on mooring lines
- ✓ Use new/good condition lines
- ✓ Use appropriate size lines
- ✓ Add as many fenders as you can
- ✓ Ensure your line is tied correctly to cleat.

How to tie a Cleat Hitch



On agreement with Management, you may be authorized to tie across a vacant berth if available.

Do's & Don'ts

- ✓ Use lines that are new / good condition.
- ✓ Double up on all your mooring lines
- ✓ Remove sails, shade covers, sails to reduce windage.
- ✓ Load up on fenders.
- ✓ Have plenty of spare lines.
- ✓ Stow away all loose equipment
- ✓ Close hatches and seal openings
- ✓ Clear drain ways
- ✓ Seek advice from Mackay Marina staff members.
- ✓ Track any possible weather events.
- ✓ Be vigilant of your neighbours.
- ✓ Prepare early.
- ✓ Use a weatherproof power lead with a waterproof skirt.
- ✗ Leave belongings on walkways.
- ✗ Use old / UV damaged mooring lines.
- ✗ Use chain to secure your vessel.
- ✗ Run mooring lines across vacant berths without permission from Mackay Marina staff.
- ✗ Touch other people's vessels without the owner's consent.
- ✗ Attach any lines or chains to pylons, pylon brackets or firefighting equipment.
- ✗ Tie your vessel in a way where it can ride up pontoons.
- ✗ Ignore recommendations given by Mackay Marina Management.
- ✗ Do not leave preparations to last minute.
- ✗ Move your vessel without agreement from Mackay Marina Management.
- ✗ Run lines across walkways.
- ✗ Use sheet lines



If you are leaving your vessel unattended during the severe weather season

If you are leaving your boat unattended from November to April, make sure to do ALL the following before you leave:

- **Leave a Boat Key in the Marina Office** – The Mackay Marina Office has a sign in/sign out key register. Therefore, if during preparations or an Emergency, Trades or Marina Staff can access your vessel.
- **Check with Marina Office that ALL of your contact details are up-to-date** – Including Phone Numbers & Emails. Make sure you have supplied an Emergency Contact.
- **Prepare your vessel before you leave** – Double up on mooring lines & Fenders, Remove Clears & Shades, Lash or Remove Sails, ensure you have spare Fenders & Lines on board, Disconnect Power, Secure Hatches, Store all loose gear below deck, Check bilge pumps & self-drainage. Follow all preparations in this CMP.
- **Make sure insurance policy is current** – Check your insurance policy is updated & supply a copy to Marina Office
- **Organise Someone to Help Prepare Your Boat** – Ensure you have someone who can attend to your vessel while you are away (Marina Staff cannot always attend) weather this be a local or a shipwright.
- **Listen to Mackay Marina Staff Recommendations** – During Cyclone Season, The Mackay Marina Manager & Staff will conduct Cyclone Prep Walks, taking note of all things that need to be done to your vessel to be prepared. If you are contacted with a recommendation – ensure you have a way to act on it.
- **Constantly Monitor Weather** – Even though you are away, ensure you keep up to date with all-weather warnings. Mackay Marina will post updates & send emails however make sure you are checking the Bureau of Meteorology regularly.

Marina Staff will provide assistance when possible.

IT IS THE OWNER'S RESPONSIBILITY TO ENSURE THEIR VESSEL IS ADEQUATELY SECURED

Emergency Evacuation Points

Mackay North State High School Community Hall & Performing Arts:

Valley St, North Mackay QLD 4740.

Alligator Creek State School:

50 Grasstree Rd, Alligator Creek QLD 4740.

Andergrove State School:

Fernleigh Ave, Andergrove QLD 4740.

Bucasia State School:

13 Kemp St, Bucasia QLD 4750.

Fitzgerald State School:

Norris Rd, North Mackay QLD 4740.

Glenella State School:

35-55 Hill End Rd, Glenella QLD 4740.

Northview State School:

54 Pioneer St, Mount Pleasant QLD 4740.

Sarina State School:

44-50 Broad St,, Sarina QLD 4737.

Walkerston State School:

13 McColl St, Walkerston QLD 4751.

Mackay Northern Beaches State High:

30 Rosewood Dr, Rural View QLD 4740.



Space is very limited, and conditions of entry will apply. Most residents should be seeking alternate accommodation, as the shelter is a last resort for those most vulnerable.

Contact Mackay Regional Council for further information 1300 622 529

Emergency Kit Guide:

During severe weather, make sure you have your emergency kit on hand, so you can take it with you.

If you don't have an emergency kit you can use this checklist as a guide.



Medical and Sanitation:

- First Aid Kit and Manual
- Essential medications, prescriptions, and dosage
- Toilet paper
- Toothbrush/ toothpaste
- Soap/ Shampoo
- Personal hygiene items
- Garbage bags

Light:

- Flashlight/ torch with extra batteries
- Battery powered lantern
- Candles with waterproof matches

Communications:

- Battery powered radio with extra batteries
- Prepaid phone cards and coins for calls
- Mobile phone

Clothing and Footwear:

- Warm jumper, waterproof jacket, hat, and gloves.
- 2 sets of clothing for each person
- Closed in shoes or boots for everyone.

Tools and Supplies:

- Whistle, utility knife, duct/masking tape
- Plastic garbage bags, ties
- Safety glasses and sun glasses
- Rope / Lines
- Wrench, pliers, screwdriver

Food and Water:

- Range of non-perishable food items
- Bottled / Drinking water – 10L minimum per person.
- Gas Stove
- Cooking utensils

Important Documents (in waterproof bag):

- Insurance documents
- Wills and life insurance documents
- Birth and marriage certificates
- Passports/ Visa details
- Medicare, pension, immunisation records
- Emergency contact numbers
- Important computer files on a hard drive**

Miscellaneous:

- Pet food/ water
- Spare boat/ car/ house keys
- Items for infants (nappies, formula etc)
- Keep sake/ meaningful goods
- Spare Cash

***Always Having an Emergency Kit ready during Cyclone Season is highly recommended**

CONDITIONS

CONDITION YELLOW – CYCLONE WATCH

Cyclone or Severe Weather Forecasted Within 24-48 Hours

CONTINUE PREPARING

CONDITION ORANGE – CYCLONE WARNING

Cyclone or Severe Weather Forecasted Within 12-24 Hours

COMPLETE PREPARATIONS

PREPARE TO EVACUATE

CONDITION RED – EMERGENCY WARNING

Cyclone or Severe Weather Forecasted Within 6 Hours

LISTEN FOR UPDATES, EVACUATE

CONDITION YELLOW

CYCLONE WATCH

Mackay Marina enters Condition Yellow when a cyclone or severe weather is forecasted to impact the Mackay Region within 24-48 hours.

During this time vessel owners are to continue with preparations for potential cyclone.

Vessel owners should **Monitor Conditions** and **Stay Informed**, Monitoring the Bureau of Meteorology, Local Government and VHF Channel 16 where possible.

General Information

An extreme weather event Condition Yellow will be issued when an extreme weather event or developing event is likely to affect the areas within 48 hours, but not expected to impact the area within 24 hours. This phase is a critical time for all vessel owners to plan and prepare for the impact of the event.

Vessels staying in the Marina must prepare:

- Deploy spare fenders all around your vessel
- Lower vessels on Air docks into the water – adding lines to both the dock and the vessel.
- Check your bilge is turned on and functioning appropriately
- Close all hatches, windows, doors or any openings
- Remove or reduce all wind loading – remove clears, remove, or lash furled sails, take down any covers, biminis or tarps.
- Disconnect your shore power or prepare to disconnect.
- Finalise your evacuation plan, emergency kit.



Mackay Marina Staff Preparations:

- Conduct Cyclone Preparation walks taking note of belongings on walkways, inappropriate lines / fenders and general preparations needed.
- Contact vessel owners to action on these matters asap.
- Provide assistance whenever possible however it is the owners responsibility to ensure their vessel is adequately secured.
- Contact owners to lower air docks into water.
- Suggest appropriate berth movements to boat owners.
- Provide weather updates by email & Facebook.



CONDITION ORANGE – CYCLONE WARNING

Mackay Marina enters Condition Orange when a Cyclone or Severe Weather Event is forecasted within 12-24 hours.

Monitor Conditions as they are changing – Regularly checking to Bureau of Meteorology, Local Government websites as well as maintaining to regularly listen on VHF channel 16 where appropriate.

General Information

An extreme weather event Condition Orange will be issued when an extreme weather event or developing event is likely to affect the area within 12-24 hours. This phase is critical for masters and owners to complete all preparation in an orderly manner prior to the event occurring.

Vessels Staying in the Marina Must:

- Finalise all preparations.
- Ensure their Emergency Kit is prepared and ready to go.
- Evacuate early if planning to do so.

Mackay Marina Staff Actions:

- Follow through with boat owner's preparation recommendations (air docks in water, appropriate lines / fenders)
- Provide weather updates by Email & Facebook.
- Make suggestions to vessel owners in need of preparation.
- Monitor weather regularly



CONDITION RED – EMERGENCY WARNING

Mackay Marina enters Condition Red when a Cyclone or Severe Weather Event is forecasted within 12-24 hours.

Leave/ Evacuate Immediately – If your extreme weather event plans require you to relocate within the local area if it is safe to do so. The Marina may issue notices to all tenants of the likelihood of a mandatory evacuation from the Marina of all people.

General Information

The extreme weather event Condition Red will be communicated through an appropriate combination of VHF radio warning messages, Notice to Mariners, email, SMS alert and media releases. Stay informed by monitoring weather updates from Bureau of Meteorology and Local Government authority.

- Marina patrons and guests are required to follow any official advice given by any Emergency Services personnel.
- If instructed to evacuate by Emergency Services personnel, ensure utilities are turned off – power, gas, water.
- Wear strong clothing to protect against cuts from debris. Wear strong footwear (not thongs) for protection.
- Be ready to move to higher ground or shelter facilities as directed by Police and Emergency Services personnel. High winds and flooded roads may be hazards during movement. Advice will be given through local TV, radio and other media. Police and State Emergency Services will also give verbal warnings
- When the cyclone hits, keep calm & stay indoors.
- Stay away from windows
- Protect yourself with mattresses pillows and blankets.
- Stay indoors until officially advised that the cyclone has passed. Beware of the eye. After the cyclone, listen to the radio. Don't stay in the open & don't go sightseeing.

IMPORTANT

YOUR SAFTY IS OF PARAMOUNT IMPORTANCE AT ALL TIMES.

IN THE EVENT OF A CYCLONE, FLYING DEBRIS CAN BE LETHAL.

PERSONS WHOM ARE LIVING ABOARD VESSELS IN THE MARINA MUST COMPLY WITH DIRECTIONS FROM EMERGENCY SERVICES PERSONEL IF DIRECTED.

BOATS CAN BE REPLACED LIVES CANNOT.



After The Cylone Passes

After The Event Has Passed, Recovery Will Begin.

Monitor Conditions as they are changing – Regularly checking the Bureau of Meteorology, Local Government websites as well as maintaining a listening watch on VHF channel 10/16 where appropriate.

Do not enter flood waters – This includes by vessel such as passive craft, tender or small craft.

General Information

The Mackay Marina Staff will assess residual risks and determine the actions needed to be addressed. Do not assume that as the extreme weather event (or cyclone) has passed, it is now safe to move your vessel.

Vessels should stay in their place of shelter until they are advised that it is safe for vessel movements to resume. The lifting of restrictions and resumption of vessel movements will be communicated through an appropriate combination of VHF radio warning messages, notices to mariners, email and media releases. Stay informed by monitoring weather updates from BoM and monitor conditions.

Owners and masters of vessels should be aware that aids to navigation may be affected by the extreme weather event and that other dangers may be present in waterways. VTS may conduct messaging about unusual currents, floating debris, subsurface obstruction or unknown shoaling depths.

Mariners should maintain a listening watch on VHF frequencies 16 and 10 and follow advice/directions given by Mackay VTS.

When the Regional Harbour Master are satisfied that all the danger has passed, and it is safe for vessels to leave or enter the Marina we will sound out an Email & SMS to all Marina Patrons.

Once confirmed it is safe for you to return to your vessel, we recommend conducting a full vessel survey to ensure no damage and watertight integrity maintained.

After the cyclone:

- Conduct a full vessel survey to ensure no damage – Take photos for insurance.
- Report any hazards to the Mackay Marina Office
- Check your bilge.
- Re-connect Shore Power (Confirm with Marina Office beforehand)
- Report the state of your vessel or other vessels to the Marina Office

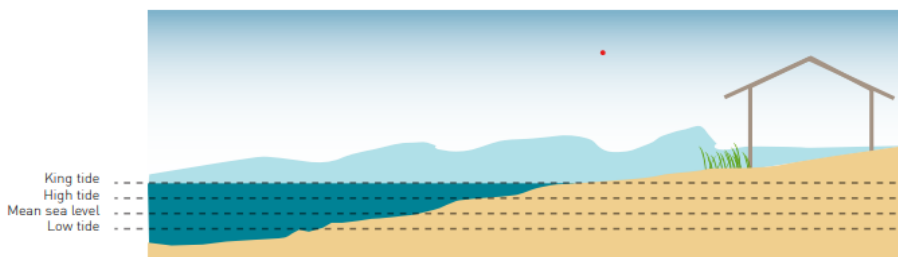
Report to 07 4955 6855 or Reception@mackaymarina.com

Storm Tide/Surge

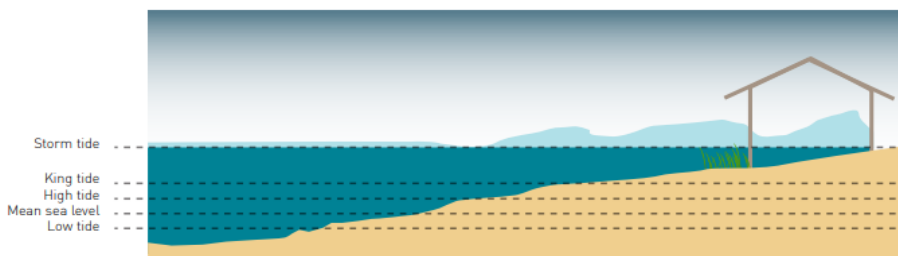
A storm tide is the rise of the ocean water level, combined with the tide at the time and strong onshore winds and/or reduced atmospheric pressure. This combination of effects, especially if it occurs on a high tide or king tide, can force sea water and pounding waves into areas that would normally be well above sea level and sometimes several kilometres inland if the land is low lying. The more intense the cyclone is, the higher the storm tide risk is.

The Mackay region has a very high risk of being impacted by cyclones, including storm tide, during the “cyclone season”, which officially runs from November 1 to May. The Mackay region has several low-lying areas at significant risk from storm tide.

KING TIDE



CYCLONE STORM TIDE



King tide (Highest Astronomical Tide)

Mean sea level (Equals 0 Australian Height Datum)

Low tide (Lowest Astronomical Tide)

What Should You Do?

You need to plan well ahead of time.

- Know your Evacuation Zone (Storm Tide).
- Be ready to evacuate and have an Evacuation Kit.
- Consider and identify your evacuation and shelter options.

When a cyclone threat develops, keep listening to official warnings issued by the Bureau of Meteorology. These will advise if high tides and coastal flooding are expected. Listen to official warnings from the Mackay Local Disaster Management Group (LDMG), which will advise of the evacuation of any storm tide colour zones.

[EVACUATION MAPS](#)

Scan the QR Code to Learn More About Storm Surges



EMERGENCY CONTACTS

For Emergencies Call **0 0 0** or **131 670**

Non-life threatening Emergencies:

Mackay Police Station – (07) 4968 3444 – Mackay City

Mackay Ambulance – (07) 4923 6706 – Mackay City

Mackay Fire & Rescue Station – Mackay city – (07) 4944 8000

Beaconsfield – (07) 4965 6671

Mackay VTS – 1300 645 022

Mackay Disaster Co-ordination Centre (07) 4951 2466

