

Cyclone Plan

& STORM TIDE FOR BREAKWATER MARINA

Current for Cyclone Season 2013-2014

Experience has indicated that in the event of a cyclone passing a marina, the danger can be significantly reduced by early preparation by boat owners.

IT IS IMPORTANT TO NOTE:

In the event of a cyclone, personal safety is of prime importance. **Once condition red has been declared**, the District Disaster Management Group issues the order for mandatory evacuation which is enforced by the Marina Staff and assisted by authorities like Police. Under no circumstances are individuals to remain on board small craft when the evacuation order has been given. All retail & commercial operators are similarly required to evacuate when instructed to.

YOUR OWN PREPARATION

1. DOUBLE UP MOORING LINES, some of the berths have rings on the docks as well as cleats, use both. If possible do not run duplicate ropes to the same bollard – a bollard failure should not release the craft from a safe mooring arrangement. The secondary ropes should be run slightly slack to ensure that they are only required to work in the event of the chafing through of the primary rope.
2. DO NOT USE CHAINS to secure boat. Chains have no ability to stretch, where ropes have a certain amount of give. Anchors may be lowered in the Marina berth to sea bottom. Ensure there is enough slack for the rise and fall of the vessel due to swells. DO NOT HOOK ANCHORS OVER OR CHAIN TO WALKWAY OR PILES.
3. Please note that in extreme conditions vessels tend to ride up onto the floating pontoons and run the risk of being holed or tearing the whalers off the pontoons. Therefore; position the vessel in the berth so that if the duplicate lines are required to secure the vessel after the primary ropes have failed, the slack will be insufficient for the boat to move to the main walkway or adjacent finger.
4. Note that man-made synthetic fibres such as polyethylene, polypropylene and polyester deteriorate in sunlight. Polyester has the greatest resistance to UV degradation, but all will deteriorate over 1 to 3 years and the deterioration is usually un-noticeable until the rope is subjected to stress. The deterioration is not gradual, but occurs very rapidly once the UV damage commences.
5. Do not rope your vessel to piles as this can jam the rollers. Check all boat cleats, if there is any doubt, rope to main structural members. e.g. mast.
6. REDUCE WIND LOADINGS TO A MINIMUM. Remove all canopies and covers, and deck gear including lifebuoys, etc and store below.
7. Remove all furled 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. Chafing will damage the securing lines and the increase in windage will greatly increase mooring line loads.

8. Stow all loose gear (boat hooks, buckets, fishing gear and float life rings) below decks and deflate and/or stow inflatable dinghies.
9. Ensure all self-drainage openings are clear and will remain so. Dinghies should preferably be launched and tied fore an aft alongside the pontoons. Dinghies if left on deck or in davits should be cleaned out and securely lashed and bungs removed.
10. Check your power lead and make sure it's an outdoor approved lead with a waterproof skirt. When a cyclone watch is issued, disconnect all shore power, water and gas lines. Do the same for your appliances.
11. Ready spare fenders and lines, secure vents and hatches.
12. Check that all bilge pumps are operational and are switched to automatic when you leave your vessel.
13. Communication should be checked on VHF Channel 16. Have a battery powered radio in the event power is cut, to listen to cyclone updates or watch the TV for regular updates.
14. When a cyclone warning is issued for the Townsville area, all persons boarding or leaving their vessel must notify the Marina Office of their movements.
15. In consultation with Townsville Port and other relevant authorities, Marina Management may instruct tenants to vacate the Marina. Ensure that you abide by any such direction.
16. Larger vessels wishing to leave Breakwater Marina to seek shelter at other locations must do so before conditions deteriorate, as the Townsville Port Authority may close the Marina to all traffic. You are reminded that severe conditions make manoeuvring in the Marina dangerous.
17. Prepare a cyclone survival kit – have your personal identification, important documents and medications with enough clothes and supplies ready for evacuation. Make sure your vessel and personal insurances are adequate and current.
18. Prepare an evacuation plan for you and your family – know your nearest safe high ground and the safest access to it in the event of storm surge. Take into account the special needs of infants, the elderly and disabled... and don't forget your pets.
19. Check your neighbours are prepared.
20. All vessels on airdocks are to be lowered into the water to reduce wind loadings on Condition Yellow. Keep your emergency contact details current with the Marina. Prepare for Marina shore power and water to be shut off.

Marina staff will do what they can to assist; but it is still your responsibility to ensure your vessel and equipment are as secure as possible.

Do not tamper with the pile rollers or place lines around the piles. Please use the mooring rings where provided on the fingers, as these are the strongest points.

Remember, vessels are moored at Breakwater Marina at the Vessel owners risk and it is the owners prerogative to move their vessel if they feel insecure about the Marina.

Note, any vessel movements should occur ahead of a cyclone warning to ensure sufficient preparation.

CYCLONE MANAGEMENT

The Bureau of Meteorology will activate a public warning system 48-hours prior to a cyclone. With this advice, the Tropical Cyclone Warning Centre will liaise with all relevant emergency services and ensure the public remains informed principally through radio and TV Broadcasts. Townsville's Vessel Traffic Services Centre (VTS) will implement the cyclone contingency plan on behalf of the Regional Harbourmaster and will broadcast extreme weather watches, warnings and directions on VHF Channels 16, 12, 11 & 14. The following warning system identifies the stages of a cyclone that may threaten Townsville and surrounding areas.

CYCLONE OUTLOOK – CONDITION GREEN

Operates routinely between 1 November to 1 April. A state of normal vigilance operates between cyclone seasons. Cyclone condition status notices posted in each pier notice board from 1 November.

Breakwater Marina Staff will:

- Undertake routine and regular Pontoon Audit and Vessel Audit of all vessels in the Breakwater Marina checking for readiness for the Cyclone Season.
- Contact all Vessel owners that need to further prepare their vessels for the upcoming season.

NOTE: It is mandatory that vessel owners comply with the Marinas instructions to remedy any breach within the prescribed time frame. Non-compliance will require the correction to be undertaken by the Marina at the vessel owners cost.

A CYCLONE WATCH – CONDITION YELLOW

Indicate an intensifying risk of a cyclone or associated weather storm, impacting on Townsville within 48 hours.

Breakwater Marina Staff will:

Update the cyclone condition status notice in all pier notice boards, post Bureau of Metrology predicted cyclone path.

- Issue updated cyclone condition status info to all Marina Tenants.
- Continue the Pontoon & Vessel Readiness Audits.
- Remove or stowaway all loose items on pontoons & the grounds.
- Vessels on air docks to be lowered into water.

A CYCLONE WARNING – CONDITION BLUE

Indicate an intensifying risk of a cyclone or associated weather storm, impacting on Townsville within 24 hours.

Breakwater Marina Staff will:

Update Cyclone Information in all noticeboards at the Marina and send emails with updated info regarding the impending cyclone.

- Contact Vessel owners who need to further prepare for the impending cyclone – wind loadings down, double lines on boats etc.
- Isolate the Fuel Wharf and shut down the Fuelling station.
- Check the Marina grounds for any loose articles.
- Prepare to shut down all utilities and leave all buildings in readiness for evacuation.

A CYCLONE WARNING – CONDITION RED

Declared when a cyclone strike is imminent or the onset of extreme weather conditions associated with a high intensity cyclone.

Breakwater Marina Staff will:

- Turn off all Power to the Piers and remove all electrical leads from pedestals, and all Potable Water to be shut off.
- Marina staff to ensure all tenants have evacuated the Marina.

RECOVERY

Do not assume when the extreme weather has passed that it is safe to move your vessel. The Regional Harbourmaster will give the all clear which will be posted by email and on Marina noticeboards.

Breakwater Marina Staff will:

- Identify high risk areas and check all vessels and pontoons whilst doing a Condition Report.
- Electrician & Fire Comms technicians will be called to site for check of systems before reactivation.
- Gates will be reactivated & update Cyclone Information.
- Fuel System will be checked and tested before opening for any fuel sales.

EVACUATION CENTRES

Pre-Impact – Townsville City Centre

State Government office (underground carpark) Walker Street
Commonwealth Government Offices (U/G Carpark) Walker St
Suncorp Metway Building – (U/G Carpark) Walker Street

Post Impact

Townsville City Council, Reception Room – Walker Street
Townsville Show Grounds – Woolcock Street
Townsville West State School – Ingham Road
QLD Country Women's Association – Denham Street
Townsville Grammar School & Associated Sites

VOLUNTARY EVACUATION IS ENCOURAGED –

Once a Cyclone Watch is declared, shelter can be found by contacting the Local Government Disaster Co-ordination Centre.

MANDATORY EVACUATION

When a cyclone warning is declared, Breakwater Marina Staff will instruct all persons in the marina to vacate to a safe haven per their own safety plan.

Refer to the evacuation maps posted on our noticeboards or check the Townsville City Council website for further information.

EMERGENCY CONTACTS

For Emergencies Dial **000**

Non-Life threatening calls:

Police	(07) 4759 9777
Ambulance	13 12 33
Fire Brigade	(07) 4771 2111
Townsville VTS	1300 721 263

Townsville Local Disaster Management (07) 4727 9000
www.townsville.qld.gov.au/emergency

Weather Website & Cyclone Information:
<http://www.bom.gov.au>

State Emergency Service (SES)	13 25 00
Townsville Council (water/sewerage)	(07) 4727 9000
Townsville Hospital	(07) 4796 1111
Ergon (loss of supply & emergencies)	13 22 96
Telstra (faults)	13 22 03
Origin Energy (LPG emerg. leaks only)	1800 808 526
RACQ	1300 130 595

Feel free to visit the Marina Office if you require any additional information or assistance during your stay at Breakwater Marina.

CONTACT US: Channel 10 VHF or 07 4721 2233

www.breakwatermarina.com.au
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