

Disaster Preparedness

Mission Beach Community Association
Mission Beach Resort
Tuesday November 12, 2024

Andrew Portelli

Local Disaster Coordinator
Cassowary Coast Regional Council



What will we talk about today?

- What disasters do we plan for
- How do we get prepared
- Further information
- Questions

What disasters do we plan for?



Storm



Flood



Cyclone and storm surge



Bushfire



Heatwave



Tsunami



Earthquake



Pandemic



Landslide



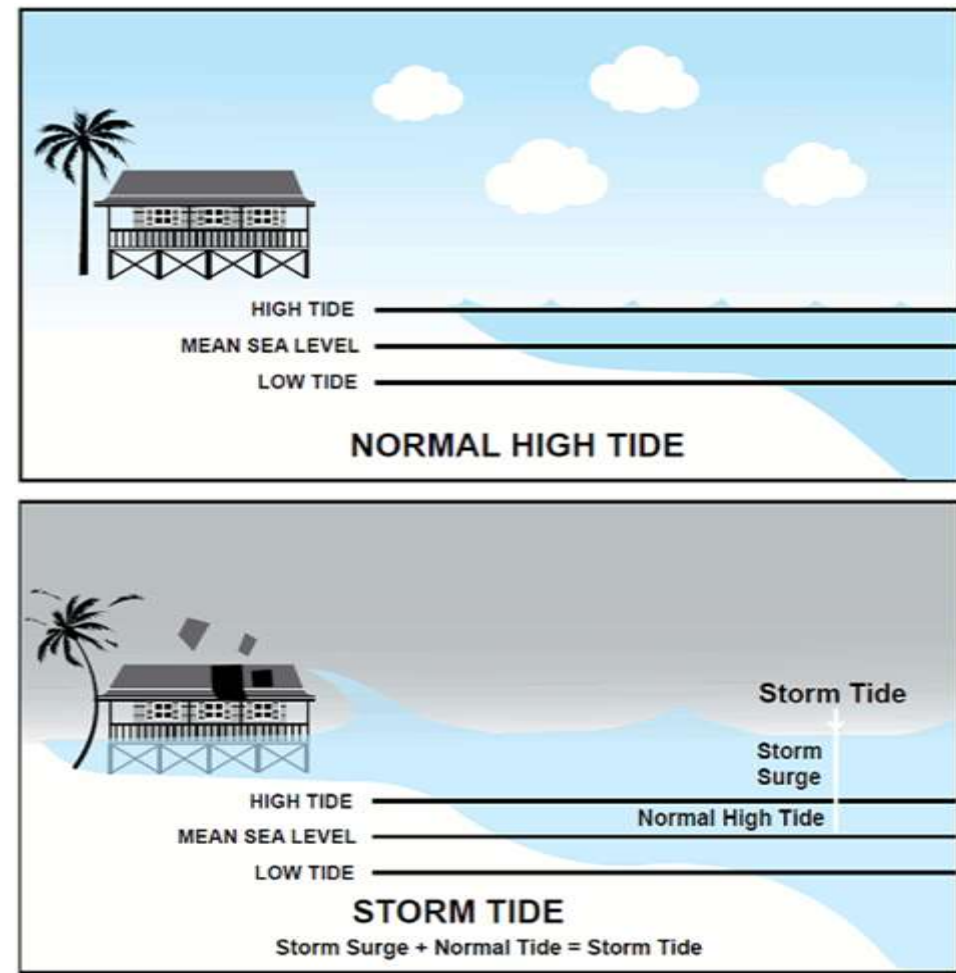
Understand your risks

Make a plan

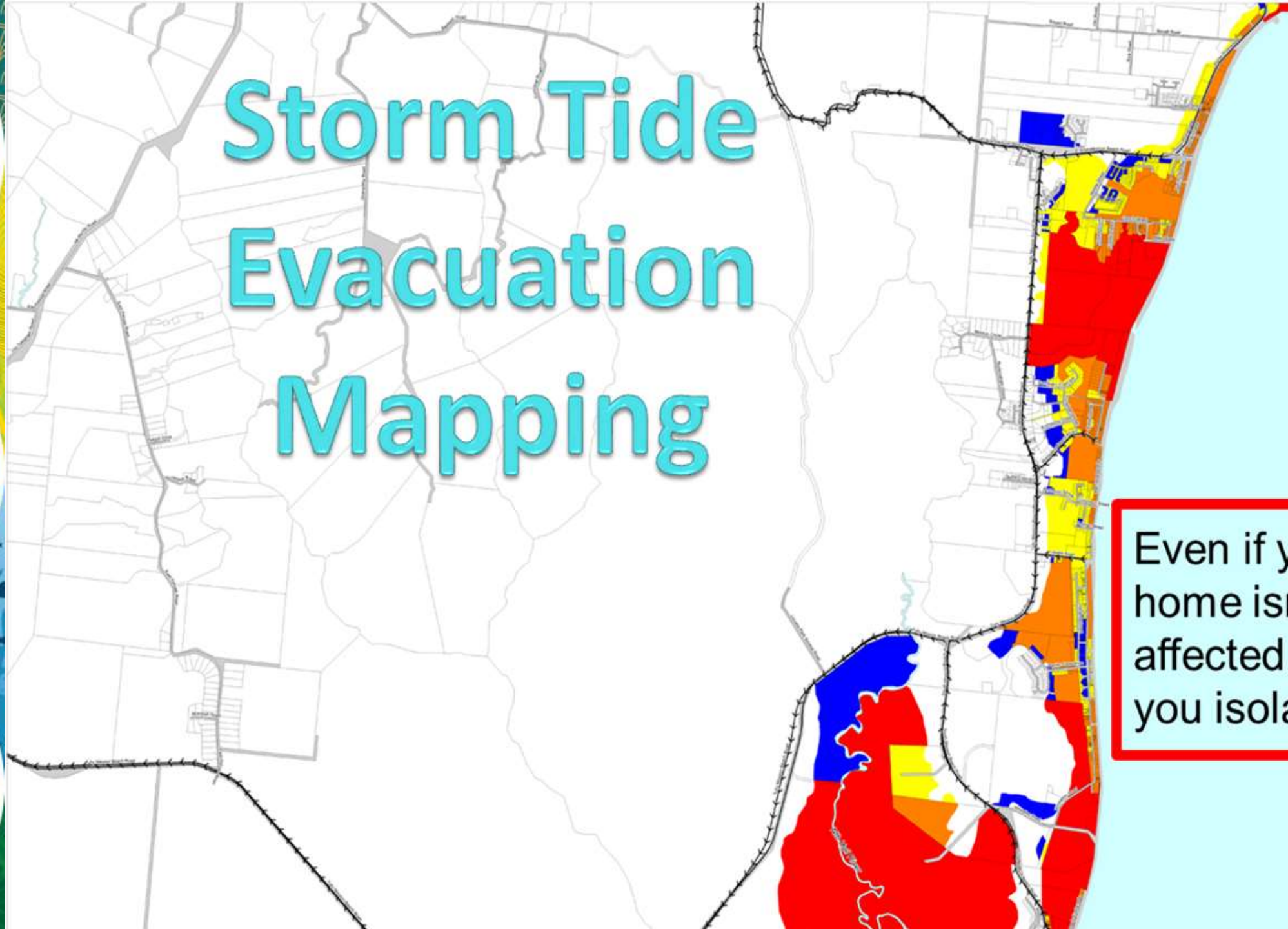
Pack a kit

Understand your risks – storm tide

- **Normal high tide** – no coastal inundation.
- **Cyclone crossing on or close to high tide** - dangerous surf and beach erosion including inundation.



Storm Tide Evacuation Mapping



Even if your home isn't affected, are you isolated?



Storm Tide Evacuation

Map 5 - Mission Beach

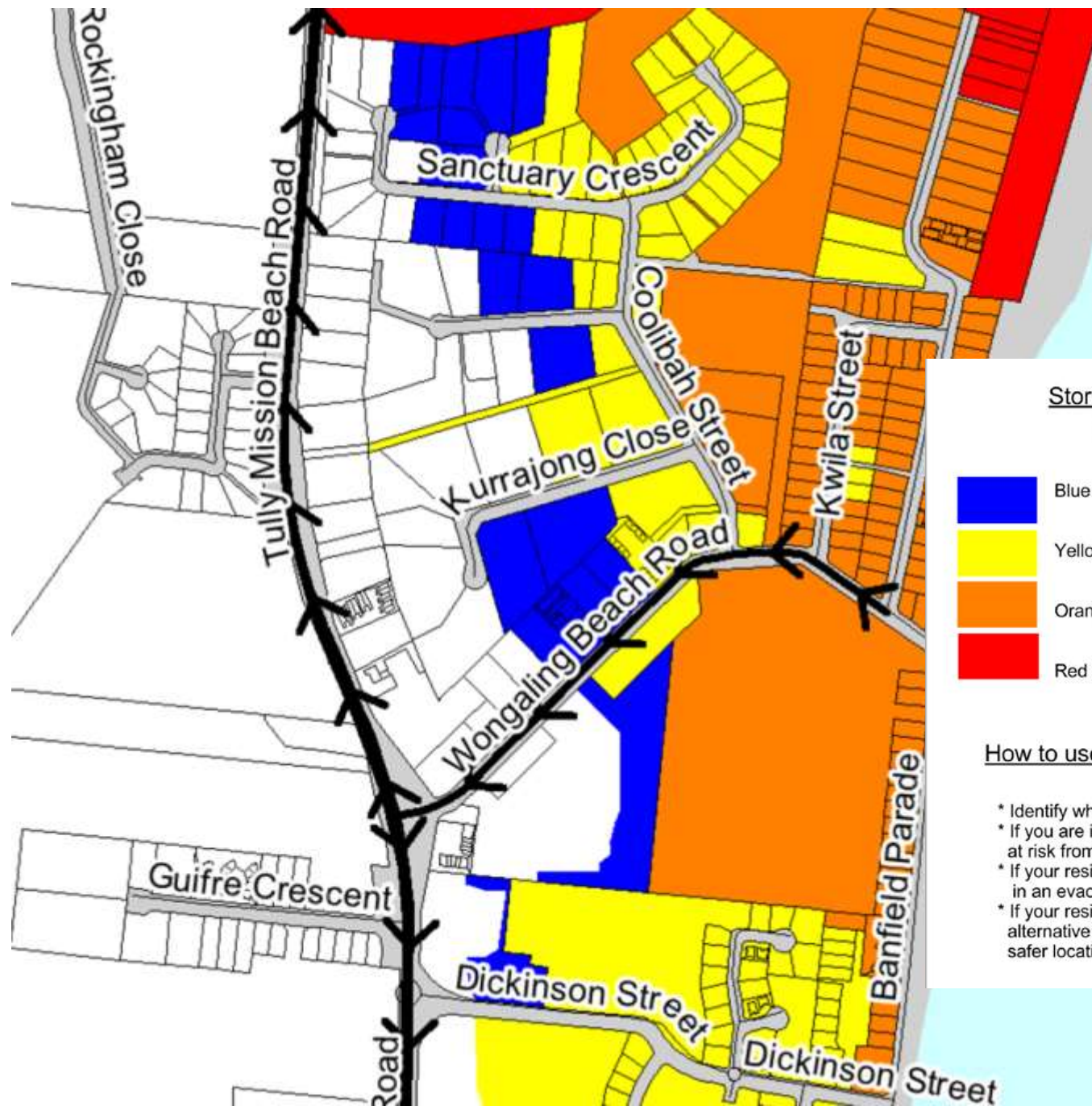
Interim

Legend

- Blue Zone
- Yellow Zone
- Orange Zone
- Red Zone
- Property Boundary
- Road Centreline
- Main Roads
- Evacuation Route
- Rail
- Road Reserve
- Water





Storm Tide Evacuation Zones What do they mean?

- Blue Zone - Indicates areas at low risk from cyclone storm tide
- Yellow Zone - Indicates areas at moderate risk from cyclone storm tide
- Orange Zone - Indicates areas at high risk from cyclone storm tide
- Red Zone - Indicates areas at very high risk from cyclone storm tide



Storm Tide Evacuation Zones

What do they mean?

-  Blue Zone - Indicates areas at low risk of inundation from cyclone storm tide
-  Yellow Zone - Indicates areas at moderate risk of inundation from cyclone storm tide
-  Orange Zone - Indicates areas at high risk of inundation from cyclone storm tide
-  Red Zone - Indicates areas at highest risk of inundation from cyclone storm tide

How to use Storm Tide Evacuation Maps

- * Identify where your residence is located on the map.
- * If you are in one of the coloured zones, you may be at risk from storm surge inundation.
- * If your residence is not coloured you are NOT in an evacuation zone
- * If your residence is coloured identify the primary or alternative evacuation route to your predetermined safer location.

Interactive Flood Mapping

Cassowary Coast REGIONAL COUNCIL Address 42 Donkin Lane MISSION B

THIS REPORT IS FOR BUILDING AND DEVELOPMENT PURPOSES ONLY

FloodInform Report

This Property Report provides property or lot-based flood information for building and development requirements. This report provides information on estimated probable floor level requirements and more technical information on the four sources of flooding: river, creek / waterway, storm tide and overland flow. Refer to the Useful Definitions section for a glossary of terms.

To find out more about how the contents of this report may affect building or development on this property, please visit [Development Services](#). For more general information about understanding your flood risk and how to prepare your property, family or business for potential flooding visit [Council's Disaster Information site](#).

[Jump to](#)

[Flood Level Information](#)

[Property information \(Summary\)](#)

[Flood Overlay Code](#)

[Coastal Protection Overlay Code](#)

[Useful information](#)

At a glance...



Property Information

Address: 42 Donkin Lane MISSION BEACH QLD 4852
Lot Plan(s): 50RP712080





get ready
QUEENSLAND

qld.gov

Prepare your all nine fact sheets

- 1 Prepare
 - 2 Prepare
 - 3 Prepare
 - 4 Prepare
 - 5 Tune in
 - 6 Check
 - 7 Pet emergency
 - 8 Prepare
 - 9 Prepare
- Available in 20 languages
disaster

Fact sheet

1

Always Having an impact for, sun emerge

Know: It is essential to emerge involves your disaster plan in a disaster.

Practice: plan will ensure it is ready for a disaster.

On this page: are four help you housech

The other page: is a li which, if you housech

All content is provided by Queensland Government. It is provided in a format that is accessible to people with disabilities. For more information, visit www.qld.gov.au.

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- Available in 20 languages
disaster.q

Fact sheet

2

Always

Know: If you live in a flood-prone area, it is essential to plan now for a disaster.

On this page: help you prepare for a disaster.

On the other page: is a li which, if you have a

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- Available in 20 languages
disaster.qld

Fact sheet

3

Always

Know: All homes need to be inspected.

Check: you can help to ensure it is working as expected.

Discuss: you will all know what to do.

On this page: which show all times.

On the other page: is a li which, if you all times, you to your list

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- Available in 20 languages
disaster.qld

Fact sheet

4

Remember

Prepare: an important part of surviving with a disaster.

The best action: home in cyclone season.

Consult: suggest this to you to help you minimise damage.

On this page: are four help you housech

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- Available in 20 languages
disaster.qld

Fact sheet

5

Emergency range: of the most severe weather emergency preparedness household.

When you may:

- Final
- Serious
- Multiple
- Shelter
- Come to you

Warnings: will need to be on the list.

If you are: in Queensland, and don't have a shelter, you should identify

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 - 8 Prepare
 - 9 Prepare
- Available in 20 languages
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Fact sheet

6

Getting to know your neighbour

Know: It is essential to know your neighbour's emergency plan.

Don't be: an emergency time to get to know your neighbour.

There is: a list of other emergency contacts for your neighbour.

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 - 9 Prepare
- Available in 20 languages
disaster.qld

Fact sheet

7

Always

Know: It is essential to know your neighbour's emergency plan.

All animals: can be safely housed.

You have: a number of options for where to go.

You need: a shelter.

You need: a list of other emergency contacts for your neighbour.

If you have: pets, or an emergency plan for your neighbour.

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get ready
QUEENSLAND

qld.gov.au/getready

Prepare your household with all nine fact sheets:

- 1 Prepare your emergency plan
 - 2 Prepare for evacuation
 - 3 Prepare your emergency kit
 - 4 Prepare your home
 - 5 Tune into warnings
 - 6 Check your neighbours
 - 7 Pet emergency
 - 8 Prepare your car
 - 9 Prepare your business
- Available in more than 20 languages online at disaster.qld.gov.au

Fact sheet

8

The best time to

prepare your car: is before a storm and cyclone occurs.

Completing the list of suggested items: on this fact sheet will help you to prepare your car and property to minimise potential damage.

It is essential: to know your neighbour's emergency plan.

You need: a shelter.

The pet emergency plan: will need to be on the list for your neighbour.

If you have: pets, or an emergency plan for your neighbour.

All content is provided by Queensland Government. It is provided in a format that is accessible to people with disabilities. For more information, visit www.qld.gov.au.

Prepare your car

General preparations

- Ensure your car insurance is current and that it covers your assets adequately.
- Have a spare supply of fuel for use in your vehicle to get you to the nearest fuel outlet (ensure you store fuel safely in an appropriate container).
- Purchase wide masking tape for car windows.
- Store blankets or a hat cover in your car.
- Keep bottled water and dry food/snacks in your car if you are caught away from home.

Garage maintenance

- Arrange a professional builder to check your garage and identify measures to increase its structural security to withstand high winds.
- Check the condition of the roof and repair loose tiles, eaves and gutters.
- Clean gutters and downpipes so water can drain away as quickly as possible.
- Trim trees and overhanging branches.
- Secure loose items that could cause damage if blown around in high winds.

If you don't have a garage

- Identify nearby places where you can park your car during an emergency.
- Your backup parking should be solid, well-constructed and above potential flood levels.
- Check your front and rear up for flood-prone areas.

When severe weather warnings are issued

- Park vehicles under cover, away from trees, power lines and overheads.
- If you cannot access an emergency shelter for your vehicle, firmly secure blankets or quilts to them to minimise hail damage.

If you are stuck in traffic

- Keep a mobile charger in your car.
- Place books and/or DVDs in your car to entertain the family.
- Listen to your local ABC radio station for weather updates and road closures.

If it's flooded, forget it.

You never know what is in flood water or if the foundation of the road is intact.

Implement your [WHAT-IF] plan now.

Find out more at qld.gov.au/getready



Household emergency and evacuation plan

This hardcopy document should contain important contact details and information about what you will do to prepare for a disaster.

The plan also provides a checklist of actions to be completed to ensure your home and your most valuable possessions are as secure as possible.

It should be kept somewhere central and visible (like the kitchen fridge) and everyone should know what's in it and where it is.

Preparing your evacuation plan

- Do you know what disasters could affect your community?
- Discuss which of these events may require you to evacuate
- Plan what evacuation routes are available
- Plan how you will evacuate and where to
- Make sure your vehicle is in good condition and is full of fuel
- Have you packed your Evacuation Kit, Emergency Kit and Emergency Plan including important documents and medications?
- Have you prepared your home?
- Have you checked with neighbours especially those that are elderly or disabled?
- Don't forget to allow for your pets
- Listen to local radio and other media for evacuation advices

What items should be in an emergency kit?



Preparing your home

- Make sure your home is in a generally good state of repair
- Check that all insurances are in place
- Identify which room in your home is the safest to shelter in if required
- Ensure members of your family know how to turn off the gas, water, electricity and solar systems
- Make sure your emergency kit and evacuation kit are easily located and everyone knows where they are



Safety
WORKING NEAR POWERLINES
SAFETY ADVICE FORM
YOUR INDUSTRY
SAFETY AT HOME AND WORK
Safe entry to your premises
Safety switches and electrical equipment
Shocks and tingles
Christmas and party lighting
Solar power and battery storage safety
Electrical generator safety
Trees and powerlines
Property poles and privately-owned power lines
INCIDENTS AND EMERGENCIES
SAFETY HEROES
BROCHURE & STICKER ORDER FORM

Solar power and battery storage safety

[Home](#) > [Safety](#) > [Safety at home and work](#) > [Solar power and battery storage safety](#)

A solar photovoltaic (PV) system converts sunlight into electricity. During normal conditions, your solar PV system is a valued source of power for your home or business. But during severe weather, it can become a potentially deadly electrical hazard.

This is because your solar panels **continue to produce electricity** when the mains power is disconnected. Combined with flood water or storm damage, a 'live' solar PV system can pose a serious electric shock risk to anyone who enters your property.

IMPORTANT: Always treat solar modules and their cables as if they were 'live'.

For detailed information and solar PV safety checklists, download our [handy electrical safety guide \(PDF 3.4 mb\)](#) and [Solar PV and battery storage safety brochure \(PDF 3.4 mb\)](#).

Solar power safety in severe weather

Take the following steps to stay safe around your solar PV system during severe weather.

Before the weather event

When you know a storm or flood is coming, it's a good idea to shut down your solar power system.

You should always follow your installer's shutdown procedures. These can usually be found at the inverter and/or on the main switchboard.

Most shut down procedures will ask you to:

- turn off the inverter AC mains isolator (usually found in the meter box)
- turn off the photovoltaic (PV) array isolator (usually found next to the inverter).

WARNING: If there's a risk that flood water will reach inverters and cables, ask a licensed electrical contractor or a [Clean Energy Council accredited installer](#) to fully shut down your PV array.

For more information, visit the Ergon Energy page via the link below

[Ergon Solar Safety](#)

CYCLONE TESTING STATION

[About Us](#)[Research](#)[Material Testing Services](#)[Resources for the Community](#) [Educational Resources](#)[Technical Reports](#)[Educational Videos](#)[Strong Rooms](#)[AWES 2024](#)[NQSTIP](#)[Meet Our team](#)[Contact us](#) 

Resources for the Community

Education of the building community and home-owners to improve the performance of houses is critical to us.

The Cyclone Testing Station aims to minimise loss and suffering that can occur across the community as a result of severe wind events. Education of the building community, home-owners and others about good practices to improve the performance of houses and other buildings is critical in this process.

This [Homeowner's Guide](#) provides a checklist to keep your house in good condition in readiness for the cyclone season.

Publications and Reports

We are involved in numerous key projects with academic and industry partners.

[Journal Articles](#) [Refereed Conference Proceedings](#) [Non-refereed Conference Proceedings](#) [Technical Notes and Reports](#) [Information Bulletins](#) [Newsletters](#) 

About

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Contact

[Freecall
1800 246 446](#)[Email
enquiries@jcu.edu.au](#)[JCU Townsville](#)

Pet emergency plan

- Have a plan around what you will do with your pets in an event
- Prepare a pet emergency kit which includes all of their essentials including food, water, medications, a dog cage/crate, bedding, toys, collar and lead
- If you plan to evacuate with your pets, ensure where you are evacuating to accepts animals. Remember cyclone shelters don't allow animals except registered assistance and companion animals like guide dogs for vision impaired residents.

Check your neighbours

- Get to know your neighbours and think about ways you may be able to help each other
- Perhaps organise a working bee together to help each other prepare your homes
- Make sure they have an emergency kit and plans in place as to what they will do and where they will go in an emergency
- Help your neighbours secure heavy objects or other difficult tasks in the lead up to an event

Cyclone shelters

- Should not be first option for evacuation
- Are primarily for those residents living in areas subject to storm tide inundation who have exhausted all other options for evacuation
- Will be cramped (approx. 1 square meter per person)
- Limited or no facilities – no fridge, cooking facilities, showers or bedding provided
- May fill quickly and leave no room for genuine evacuees
- No pets allowed
- No smoking, vaping or alcohol permitted
- Residents who need to evacuate will be much more comfortable sheltering with family or friends in their homes (if safe to do so) or leaving the area completely and staying in hotel or motel accommodation away from the potential impact area.

Where are warnings available?

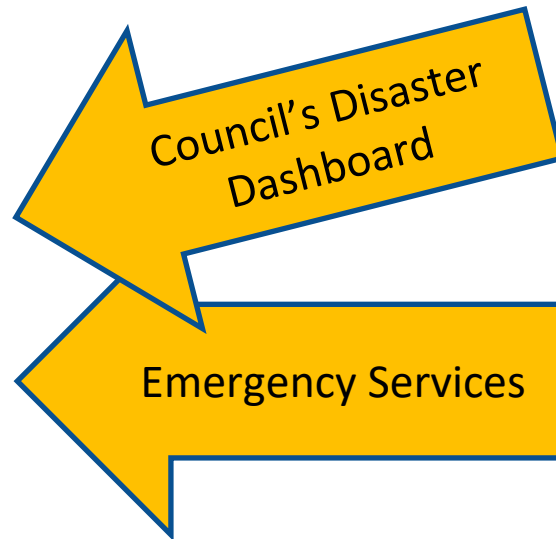
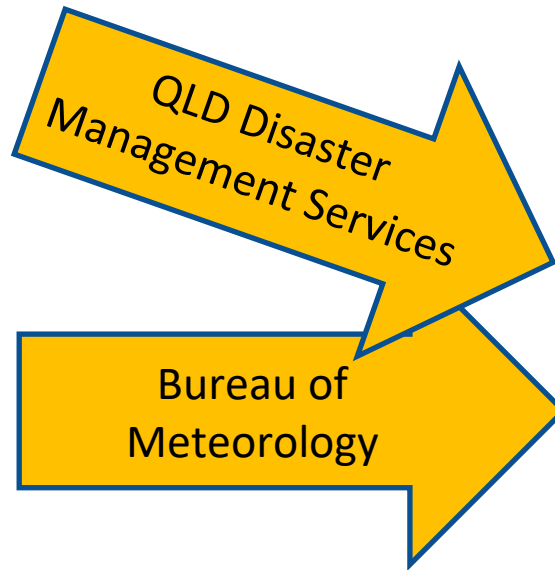


Tune into your local radio stations on your battery powered radio

Watch local TV stations for broadcasts of warning messages



Emergency Alert is an automated phone warning service



Australian Warning System



BUSHFIRE



CYCLONE



STORM



FLOOD

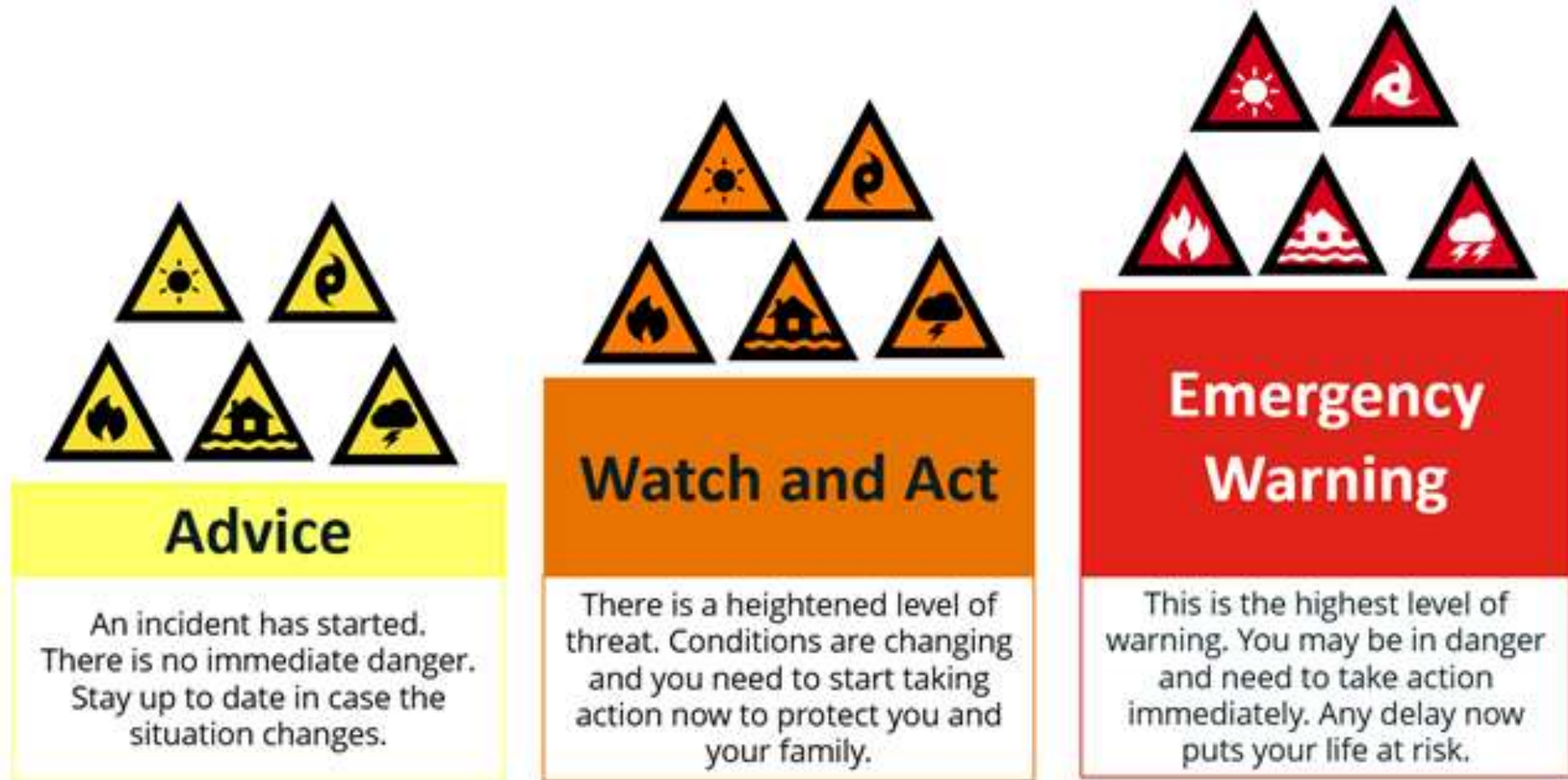


EXTREME HEAT
















OTHER

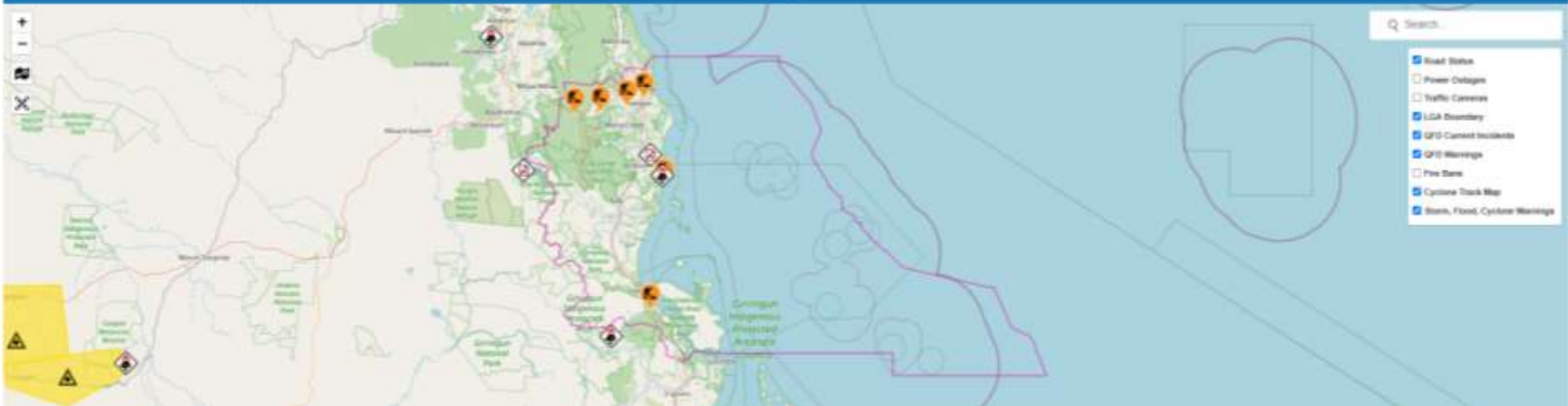
Australian Warning System





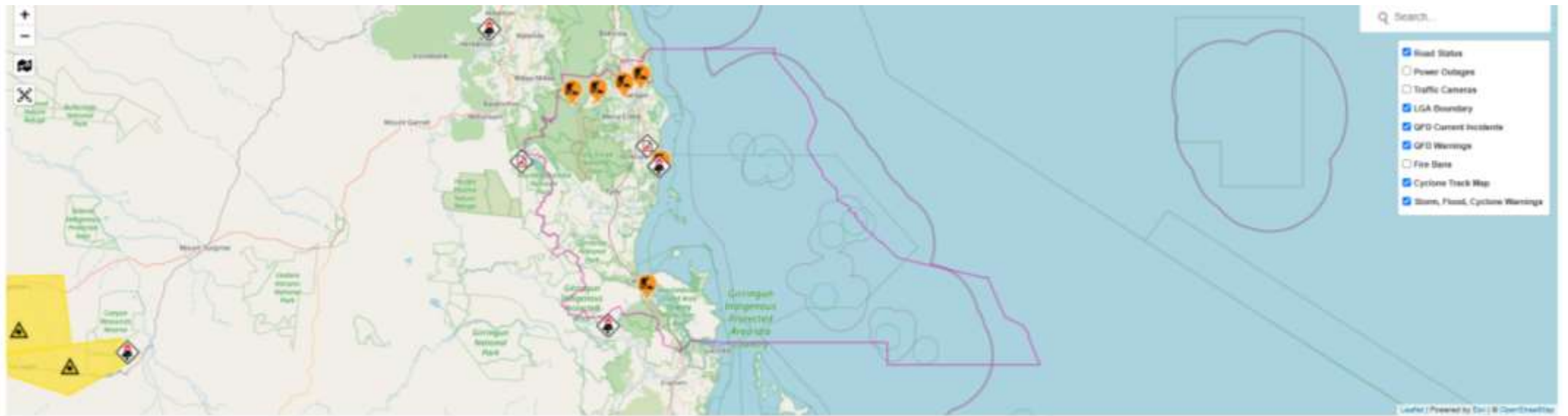
 Community Recovery	 0 Emergency News <i>Last updated a few seconds ago</i>	 6 Road Conditions <i>Last updated a few seconds ago</i>	 4 Weather Warnings <i>Last updated 7 minutes ago</i>	 1 Power Outages <i>Last updated a few seconds ago</i>
 Emergency Contacts	 Flood Maps	 Disaster Information	 River Heights	
 Rainfall	 Radar Loop	 Meteye	 Evacuation Centres	

Map



Search

- Road Status
- Power Outages
- Traffic Cameras
- LGA Boundary
- QFD Current Incidents
- QFD Warnings
- Fire Stems
- Cyclone Track Map
- Storm, Flood, Cyclone Warnings



Weather Observations

Select Weather Station: **Cowley Beach (Defence)**

29.9°C	Lowest	Highest
	26.0°C	30.5°C
0.0mm of rain since 9am		
Latest weather at 11:30 AM		
65 % Humidity	Offline Pressure(Pa)	ENE Wind Direction
11 km/h 6 Knots Wind Speed	13 km/h 7 Knots Highest Gust	

Weather Station: Cowley Beach (Defence) Approx. Offline ID: 99218

Source: BOM

Social Media Feeds

COUNCIL




Fire Danger Rating




Fire Weather District	North Tropical Coast and Tablelands
Day	Tuesday
Fire Danger Rating	MODERATE
Last Updated	22 minutes ago

BOM

- 
- Always listen to warnings and advices very carefully
 - Make sure the rest of your family know about the warning.
 - Act immediately on the information and activate your Household Emergency Plan.
 - Start planning for evacuation if you need to.

[Bureau Home](#) > [Australia](#) > [Queensland Weather and Warnings](#)

Queensland Weather and Warnings

 View the current warnings for Queensland


Forecasts


All forecasts

Brisbane forecast

 [7 Day town forecast map via clickable map](#)

Marine services

 [District and marine forecasts via clickable map](#)

 [Weather and wave forecast maps – next 7 days \(MetEye\)](#)

Weather system maps – next 4 days

Torres Strait Weather

Tropical Cyclone Information



[Tropical Climate Update](#)

Guidance on tropical conditions for the coming weeks.

[Tropical cyclone 7 day forecast](#)

Observations

All observations

Brisbane area latest observations


QLD latest observations

 [Latest rainfall & river conditions via clickable map](#)

Radars

Brisbane radar



 Select location to see its image.

All radar sites for QLD

 Satellite


Past Weather

Data and graphs

Climate extremes

Climate averages

 [Maps](#)

 [Monthly statistics](#)

[Maps of recent & past conditions](#)

Outlooks

Rainfall

Temperature

Water Storage

Discover how much water we have in our storages nationwide.

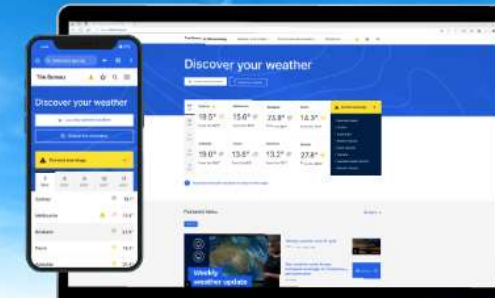


Notice Board

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- ▶ [Severe Weather Update videos](#)
- ▶ [AskBOM videos](#)
- ▶ [Tropical Cyclone Knowledge Centre](#)

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experience [beta.bom.gov.au](#) now



Advertisement

Local Information

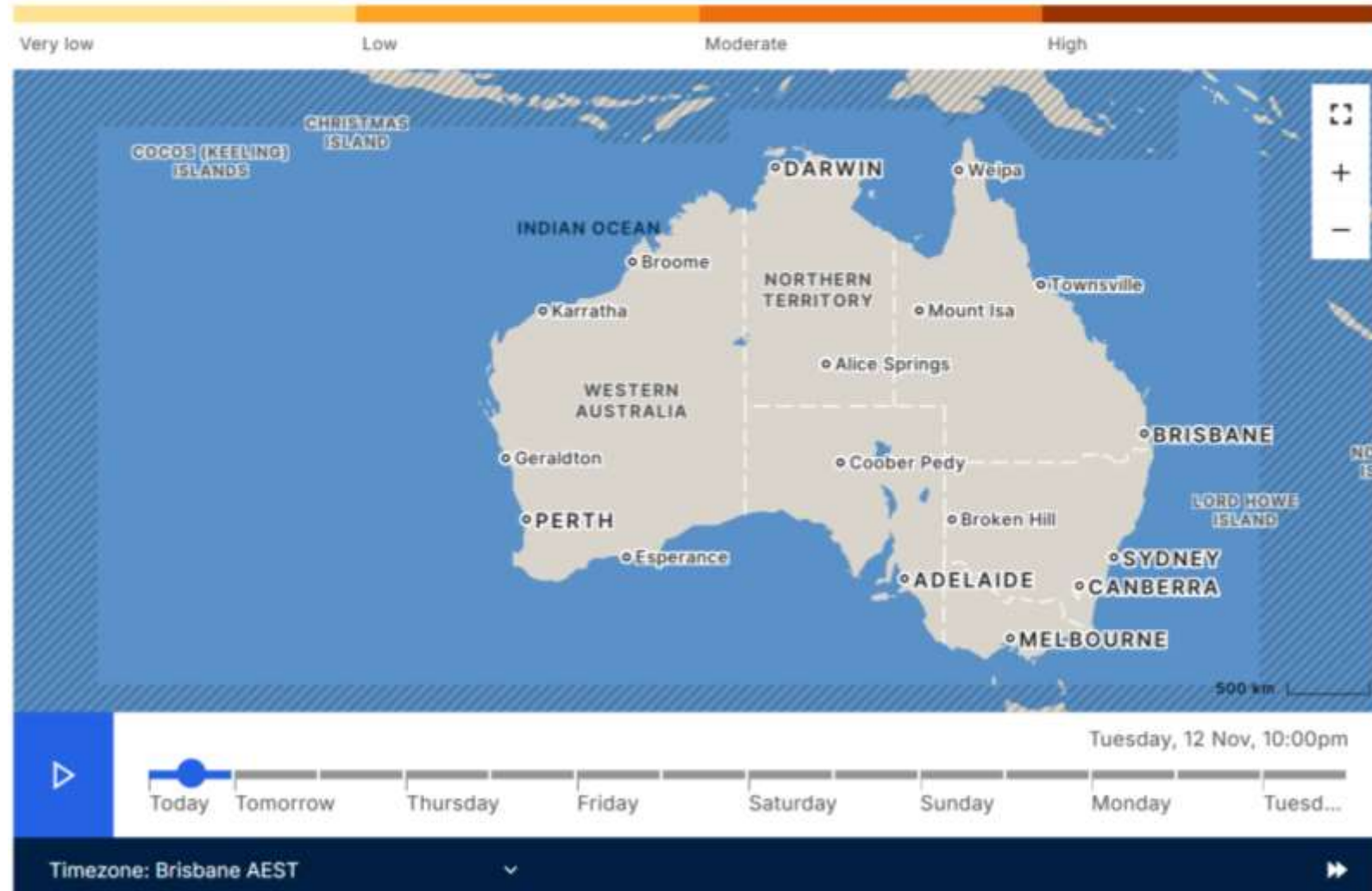
- ▶ [Cairns weather](#)
- ▶ [Charleville](#)
- ▶ [Longreach weather](#)
- ▶ [Mackay weather](#)
- ▶ [Mount Isa](#)

Tropical cyclone 7 day forecast

No tropical cyclones forecast

Chance of tropical cyclone

[Legend](#)



Bureau Home > Australia > MetEye

MetEye - your eye on the environment™

FAQ | MetEye Disclaimer | Metadata

TEXT VIEWS

We are building a new website for all Australians. Give your feedback on our test website at beta.bom.gov.au.

View the current warnings for Australia

Start typing, then select from list (town, city, postcode or latlon)

Locate

Find me

Time zone: AEST

LATEST WEATHER

Current Temp, Rain, Wind ...

FORECASTS

Rainfall Forecasts

3-hourly

- 50% chance of more than (mm)
- 25% chance of more than (mm)
- 10% chance of more than (mm)
Updated 12 Nov 2024, 8:43 AM AEST

Chance of any rain

Daily from tomorrow

- 50% chance of more than (mm)
(previously likely rainfall)
- 25% chance of more than (mm)
(previously possible higher rainfall)
- Chance of any rain

Clear Info

Overlay

- Latest rain radar
- Mean Sea Level Pressure (hPa)

Wind Forecasts

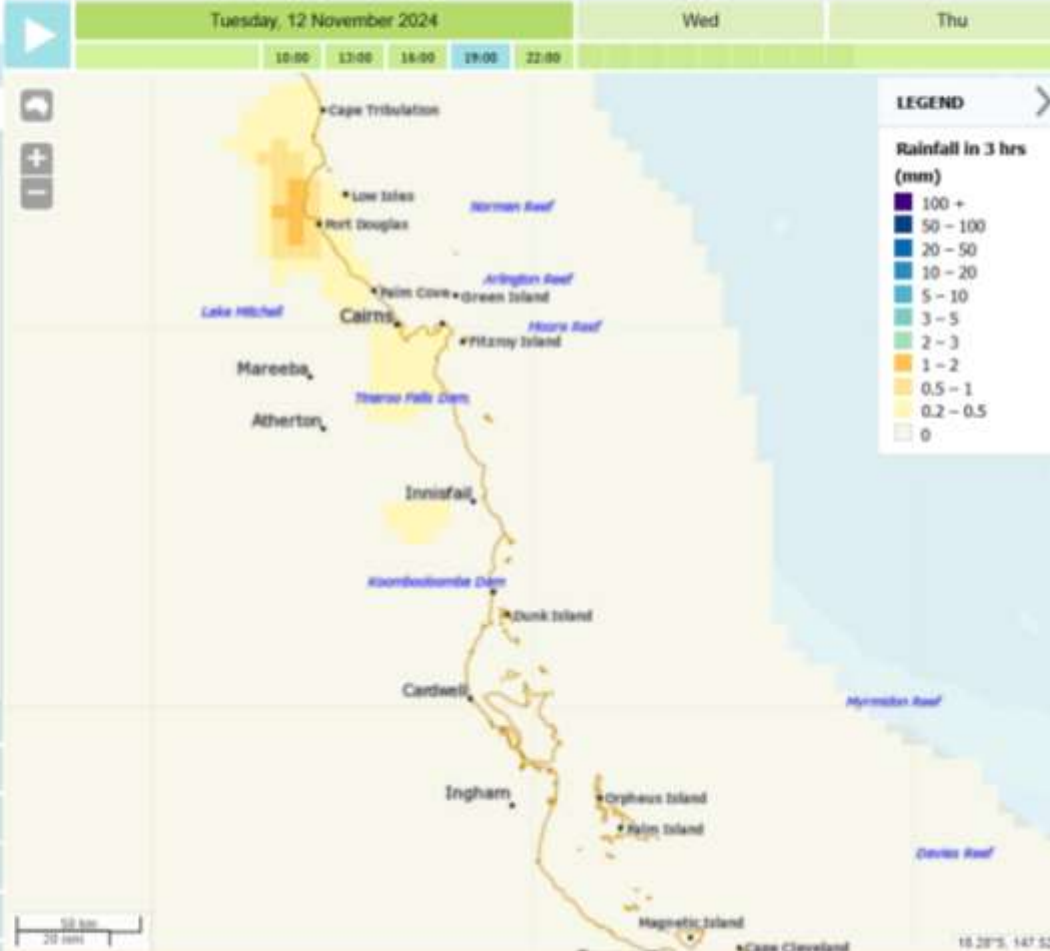
Waves Forecasts

Temperature Forecasts

Storms, Snow, Fog, Frost ...

Humidity Forecasts

UV Index Forecasts



LEGEND

Rainfall in 3 hrs (mm)

- 100 +
- 50 - 100
- 20 - 50
- 10 - 20
- 5 - 10
- 3 - 5
- 2 - 3
- 1 - 2
- 0.5 - 1
- 0.2 - 0.5
- 0

Place names Search marker Saved locations Forecast locations
 Forecast districts Marine zones Roads & railways Rivers & lakes Catchments



Emergency Plus 4+

National Triple Zero Awareness Work Group

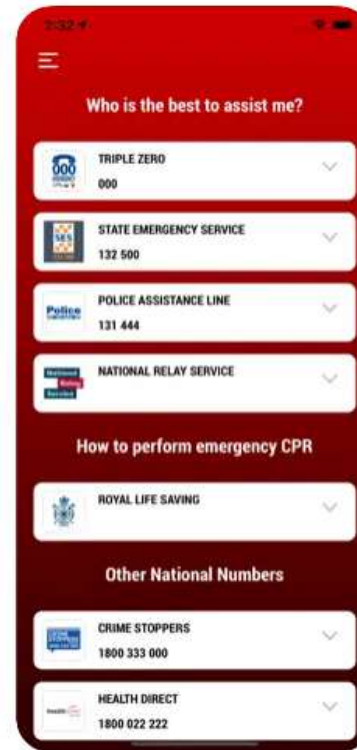
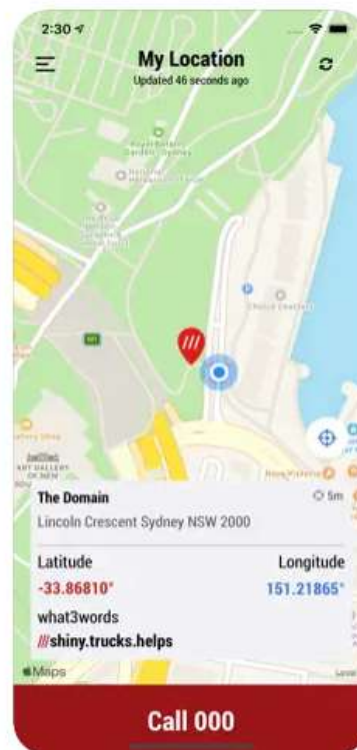
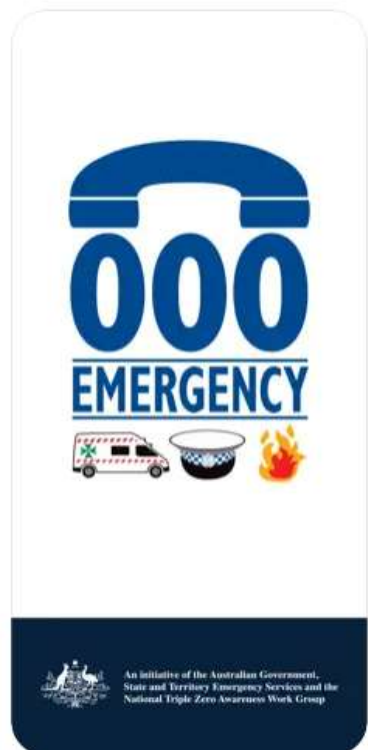
Designed for iPhone

#19 in Utilities

★★★★★ 3.9 • 416 Ratings

Free

iPhone Screenshots



Find what you need to get ready:

Search alerts, emergency plans and more...



Essential Steps to Get Ready



getready.qld.gov.au

Any questions?

Thank you

