

Pre Season Preparedness Briefing

2024/2025 Outlook





Pilbara Pre-Season Briefing

Outlook for the wet season 2024-2025

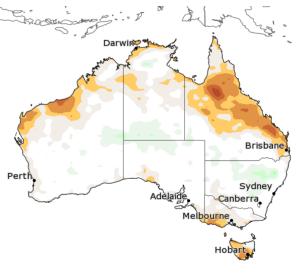
Joey Rawson

Bureau of Meteorology, Perth

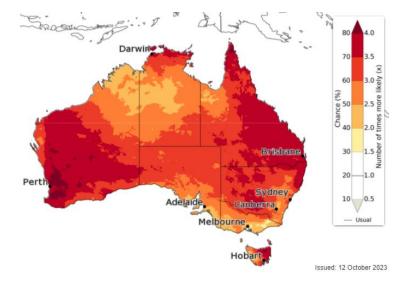
This time last year...

Outlook for 2023-2024

- El Nino and Positive IOD
- Less cyclone activity than normal and first cyclone to impact the WA coast occurs later.
- Monsoon onset over northern Australia later than normal (late December or into January)
- Lower than normal risk of widespread flooding.
- The fire season can extend to later in the year in the north (due to lack of rains), start earlier in the south (hotter).
- Very high change of extreme heat conditions



Rainfall - Chance of above median for December to February



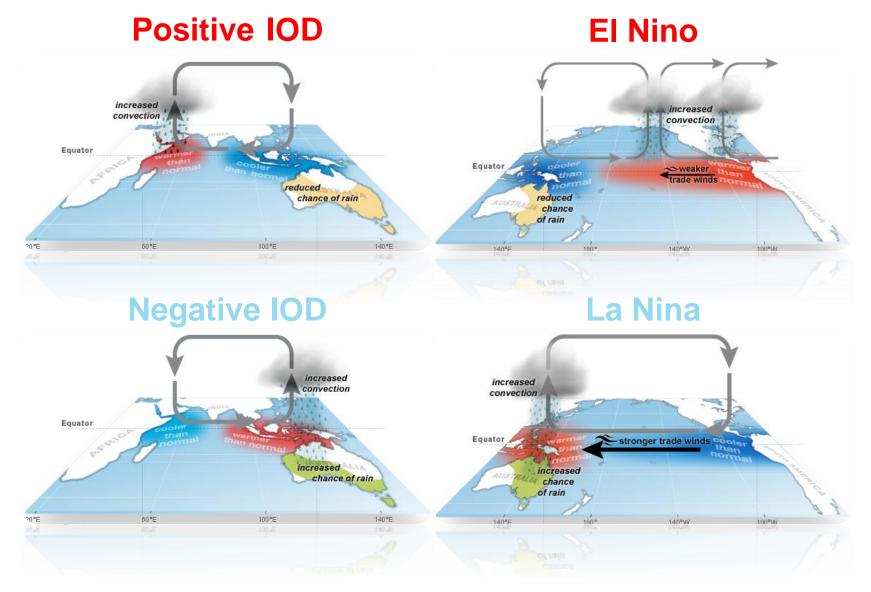
Temperature - Chance of being in the highest 20% of the historical range for December to February



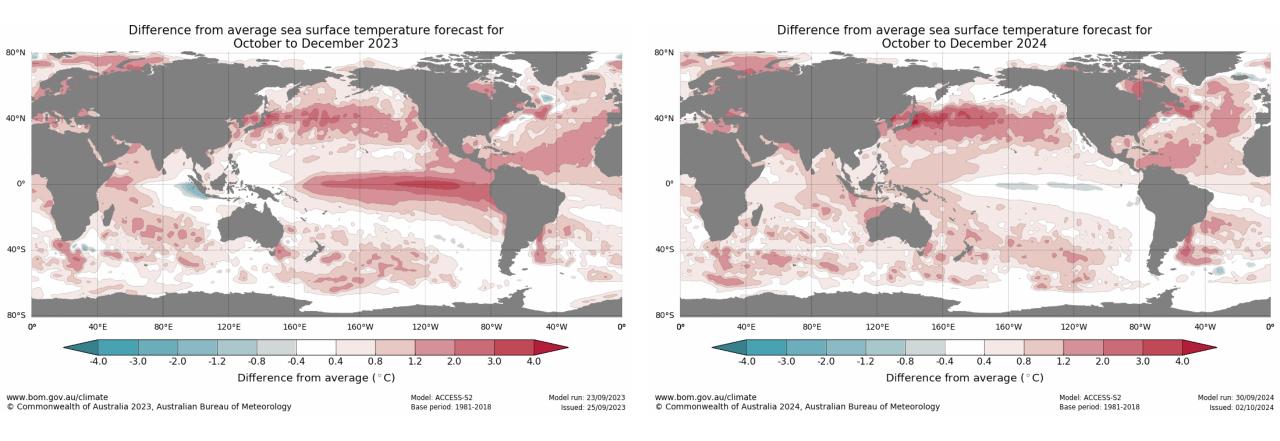
2023-2024 Tropical Cyclones



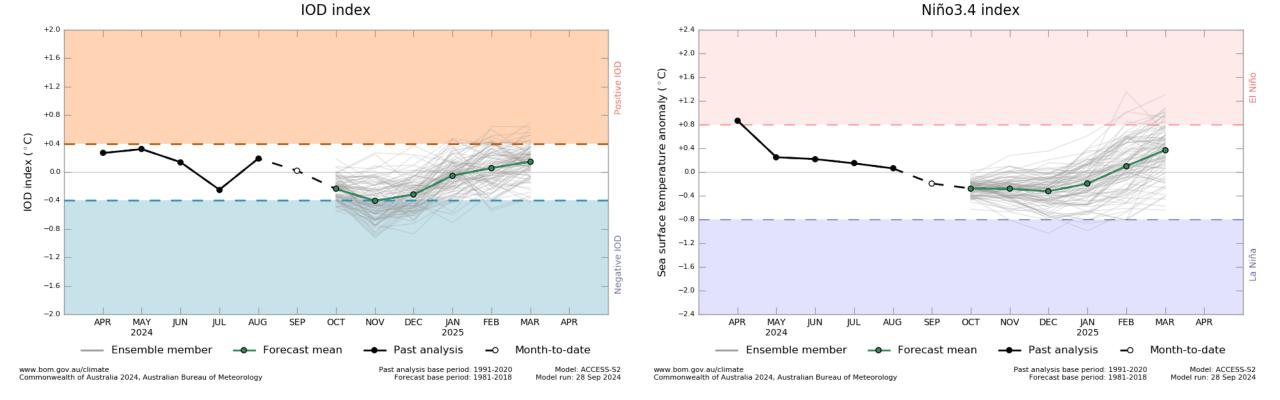
Seasonal Indicators



October to December Forecast Sea Surface Temperature Anomalies 2023 vs 2024





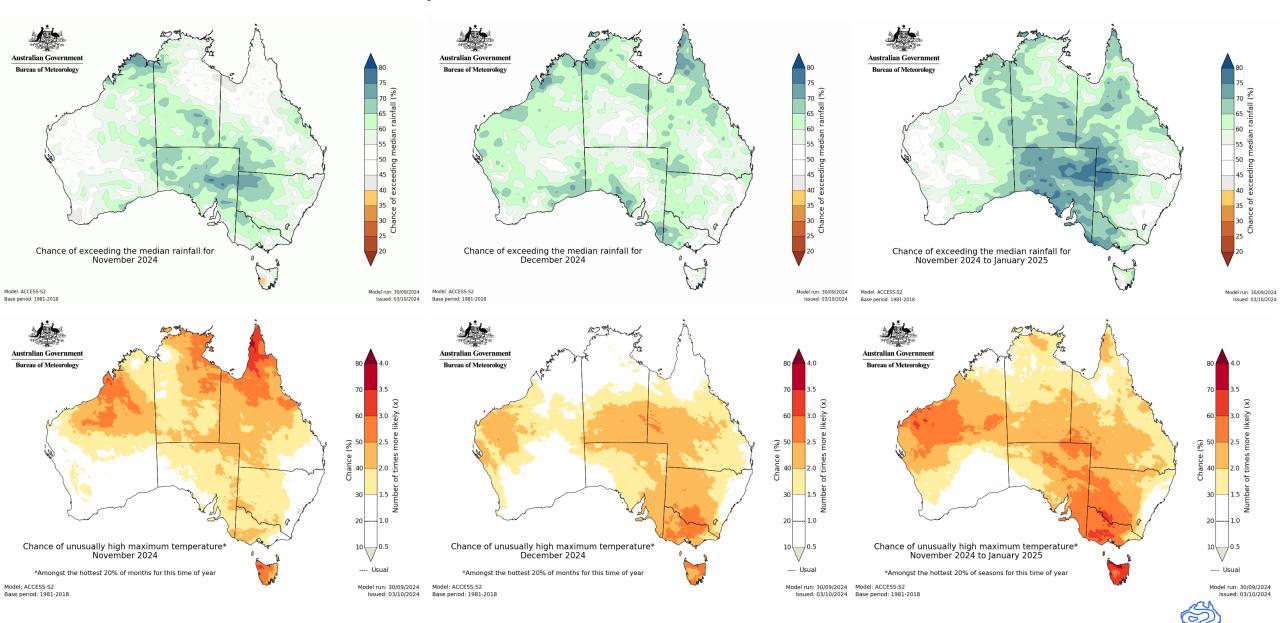


Ocean Indices – IOD and ENSO

La Niña WATCH

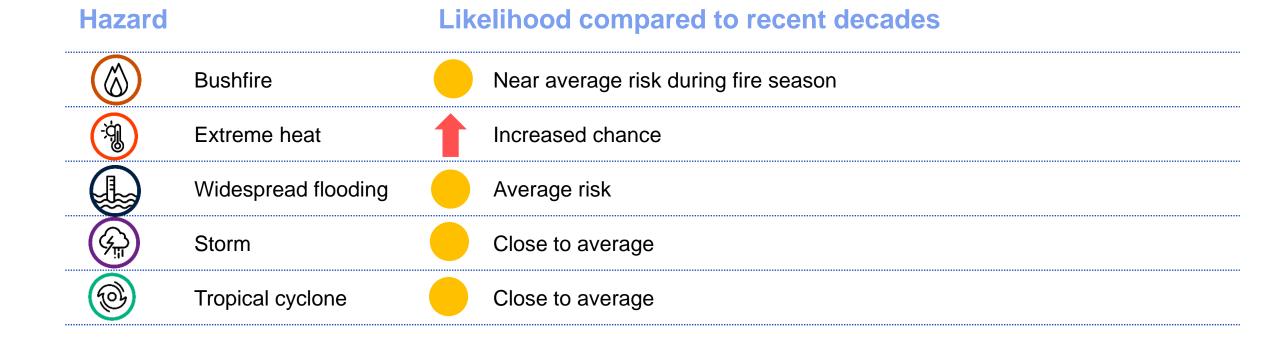


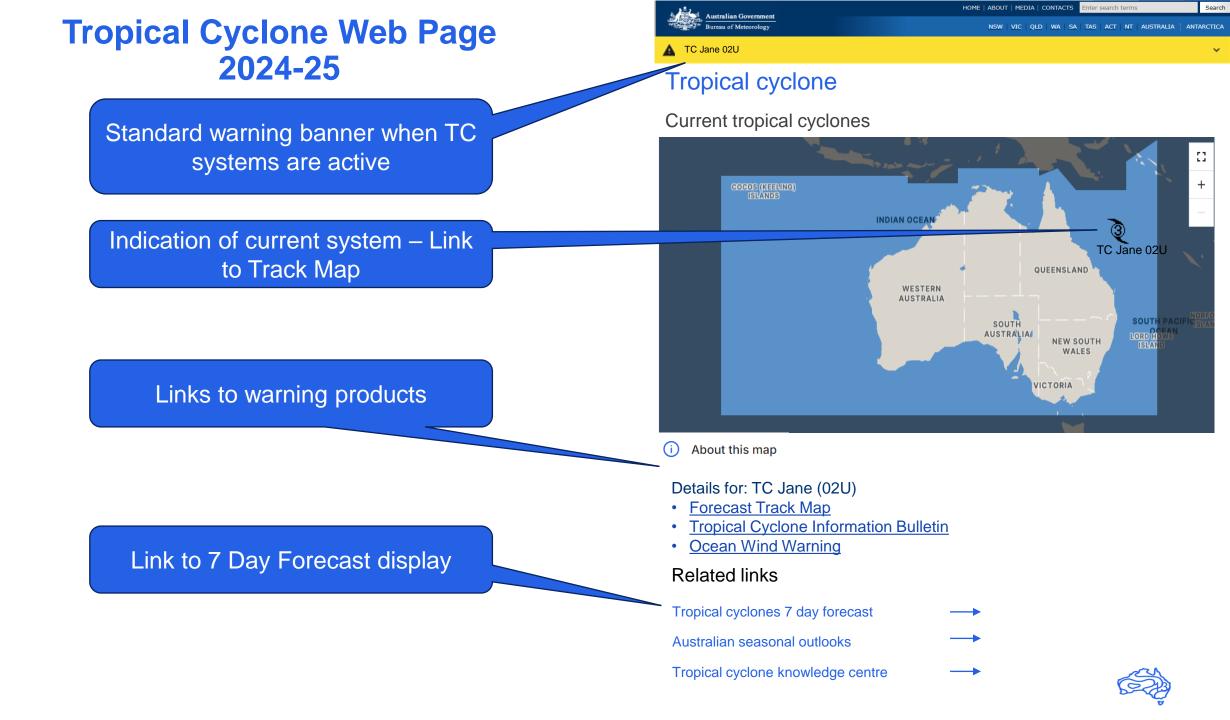
3 Months Rainfall and Temperature Outlook



bom.gov.au/climate/outlooks

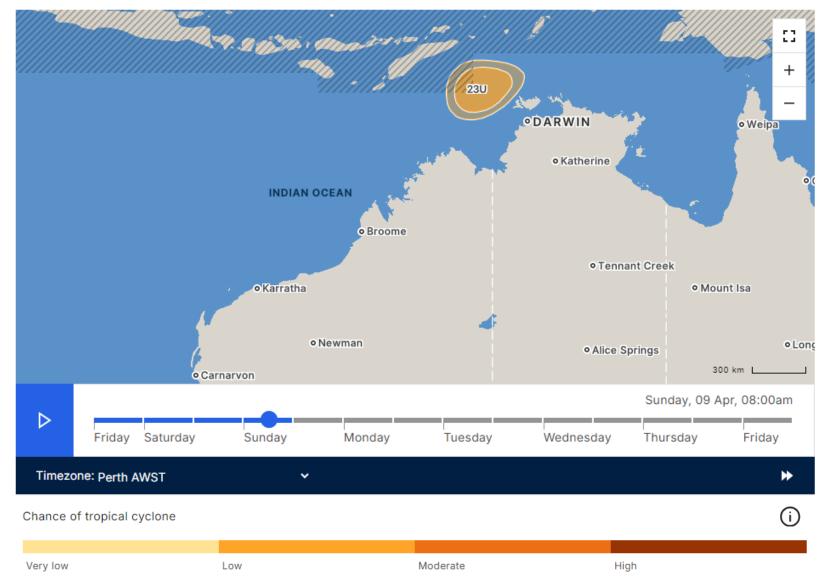
2024-25 Wet Season hazards





Tropical Cyclone 7 Day Forecast

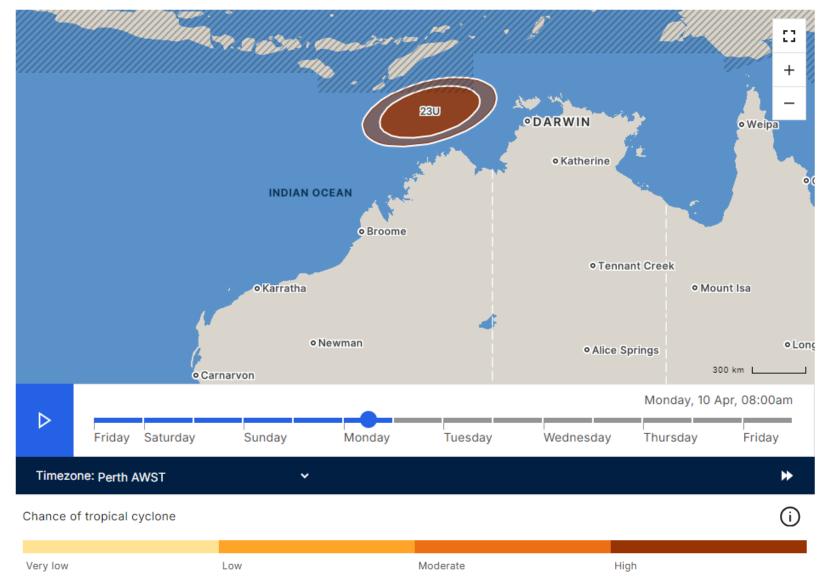
23U (pre-Ilsa) – Day 2 Forecast



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Tropical Cyclone 7 Day Forecast

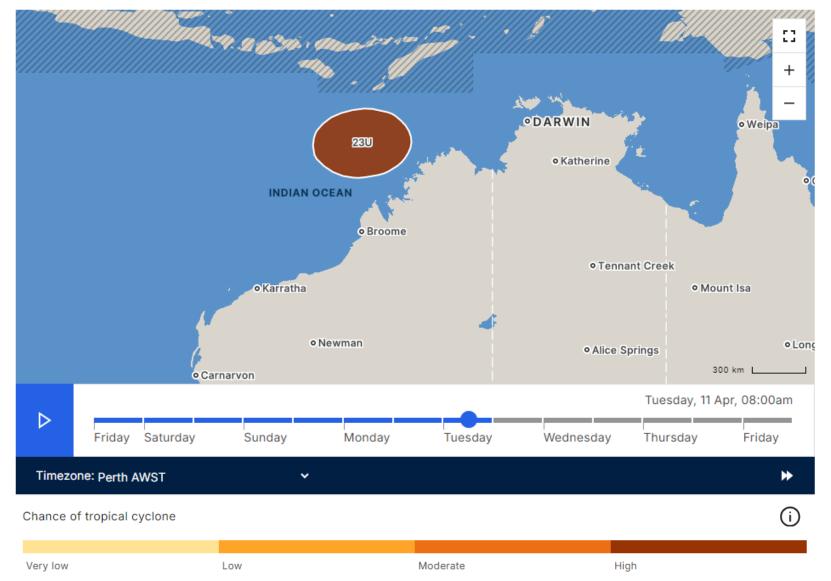
23U (pre-Ilsa) – Day 3 Forecast



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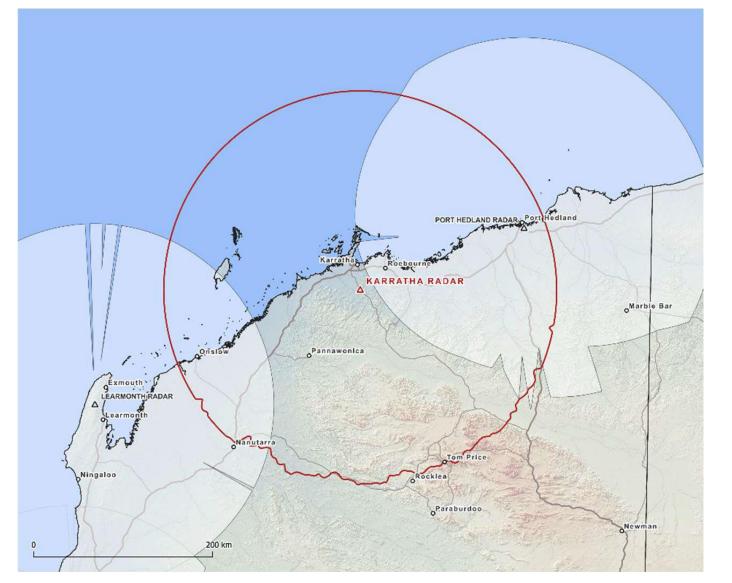
Tropical Cyclone 7 Day Forecast

23U (pre-Ilsa) – Day 4 Forecast



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New Radar at Karratha replacing Dampier Radar



Go live of the new radar system will be on 17th October 2024.

Located approximately 26 km south of Karratha.







Thank you

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Australian Warning System changes

For more information: statepublicinfo@dfes.wa.gov.au

DFES DOTENTIATION FOR A SAFER STATE

The Australian Warning System (AWS)



What is it?	The Australian Warning System is a national approach
	to warnings for natural hazards including bushfire, flood,
	storm, cyclone and heatwave.

Why did we	To deliver a more consistent approach to warnings, no			
do it?	matter where you are or what hazards you face.			

When was it implemented?

The new framework was introduced for cyclone, storm and flood **on 15 July 2024.** Action statements were also added to the three hazards, as well as bushfire at this time.



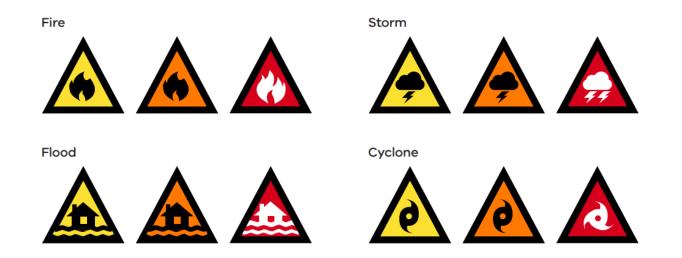
AWS Warning Levels

There are three warning levels with consistent names, colours and triangle icons.

Advice: An incident is active. Be aware and keep up to date.

Watch and Act: There is a possible threat. Take action now to stay safe.

Emergency Warning: There is a threat to lives and homes. Take immediate action.

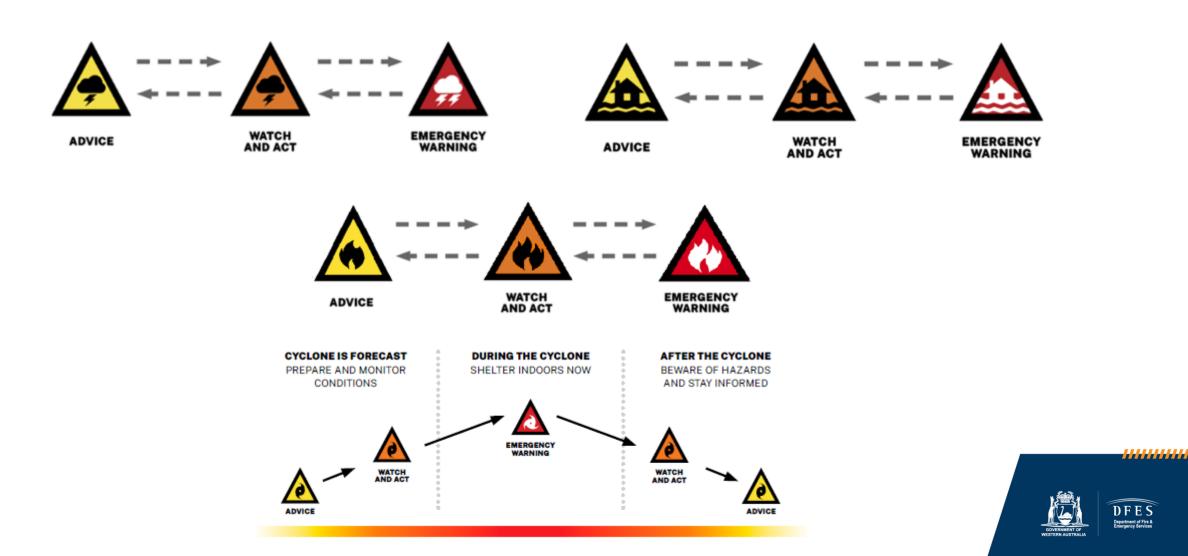






AWS warnings escalate and de-escalate

The three levels of warning change to reflect the increasing, or decreasing, risk to life or property.









New colours. New warning levels.

Q Emergency WA

Get to know them



Western Australia has new cyclone warnings.

We're no longer using the old blue, yellow, red alert system.



An incident is active. Be aware and keep

up to date.





ADVICE

WATCH AND ACT

There is a possible threat. Take action now to stay safe. EMERGENCY WARNING

There is a threat to lives and homes. Take immediate action.

UNDERSTANDING THE NEW WARNING SYSTEM FOR NATURAL DISASTERS

There are three warning levels which move up and down to reflect the risk to your life or property before, during and after a natural disaster. These are the same warning levels used for bushfires. The warning level will be followed by an action such as "Monitor Conditions" or "Shelter Indoors Now" giving you clear information about how to stay safe. Learning these three levels and how to respond to them could save your life.



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For more information visit EMERGENCY.WA.GOV.AU

Action Statements

- Each warning level has a set of action statements to give the community clearer advice about what to do.
- Action statements allow us to issue tailored and personalised messages to the community.
- Action statements can be used flexibly across all three warning levels, and contextualised for each hazard within each state or territory.
- Action statements are reviewed annually based on feedback from jurisdictions.

Advice	Watch and Act	Emergency Warning
 Prepare now Stay informed Monitor conditions Avoid the area Return with caution Avoid smoke Threat is reduced 	 Prepare to leave Leave now (if you are not prepared) Prepare to take shelter Move/stay indoors Stay near shelter Walk two or more streets back Monitor conditions as they are changing Be aware of ember attack Move to higher ground (away from creeks/river Limit time outside (cyclone, heat, asthma) Avoid the area/avoid the flooded area Stay away from damaged buildings and other heat and buildings and other heat and other heat and buildings and other heat and buildings and other heat and heat and buildings and other heat and buildings and buildings	hazards
	Do not enter flood waterNot safe to return	GOVERNMENT OF

Prepare your property (cyclone/storm)

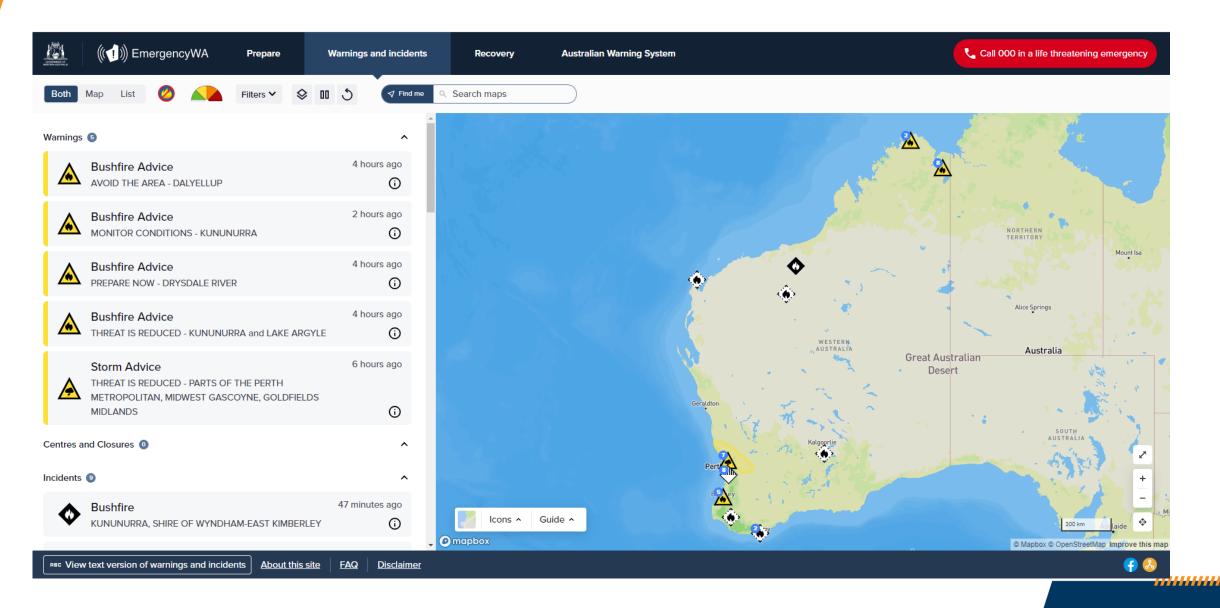
Cyclone Warnings Triggers

The following action statements have been pre-filtered for Cyclone and are available for use, at the discretion of the RDC/IC.

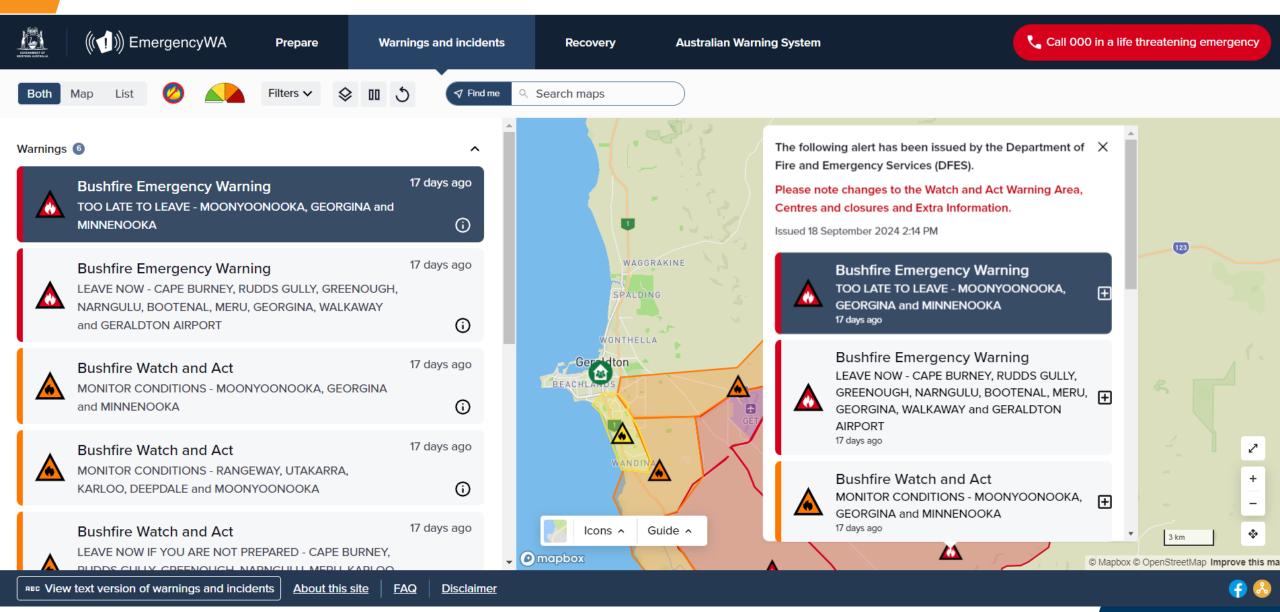
	ESCALATING			DE-ESCALATING	
Warning Level	Advice	Watch & Act	Emergency Warning	Watch & Act	Advice
Description	An incident is active but there is no immediate threat to lives or homes.	There is a possible threat to lives or homes.	There is a threat to lives and homes.	There remains a possible threat to lives and homes.	An incident remains active but there is no immediate threat to lives and homes.
	PREPARE NOW	PREPARE TO LEAVE/ PREPARE TO EVACUATE	SHELTER INDOORS NOW	STAY AWAY FROM DAMAGED BUILDINGS AND OTHER HAZARDS	STAY INFORMED
Actions	STAY INFORMED	LEAVE NOW/ EVACUATE NOW		STAY INDOORS	RETURN WITH CAUTION
	MONITOR CONDITIONS	PREPARE TO TAKE SHELTER		MONITOR CONDITIONS	THREAT IS REDUCED
	AVOID THE AREA	PREPARE FOR ISOLATION		NOT SAFE TO RETURN	
		PREPARE YOUR PROPERTY			

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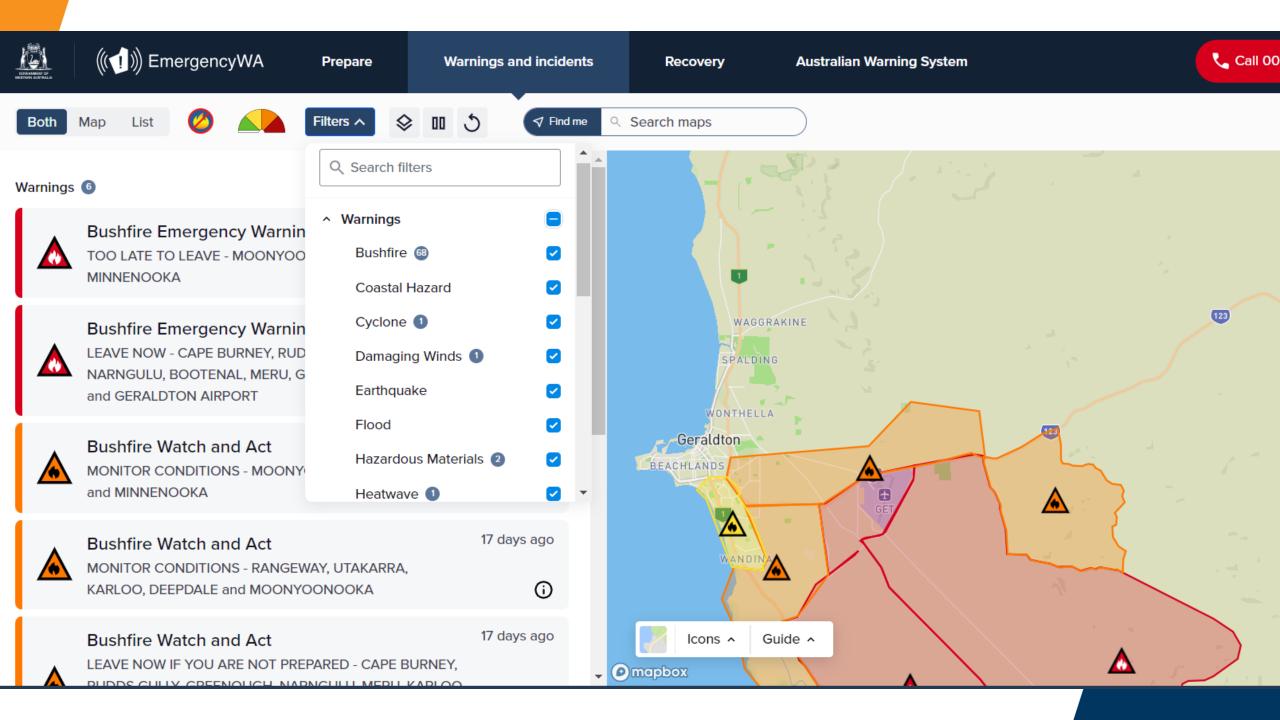
DFES

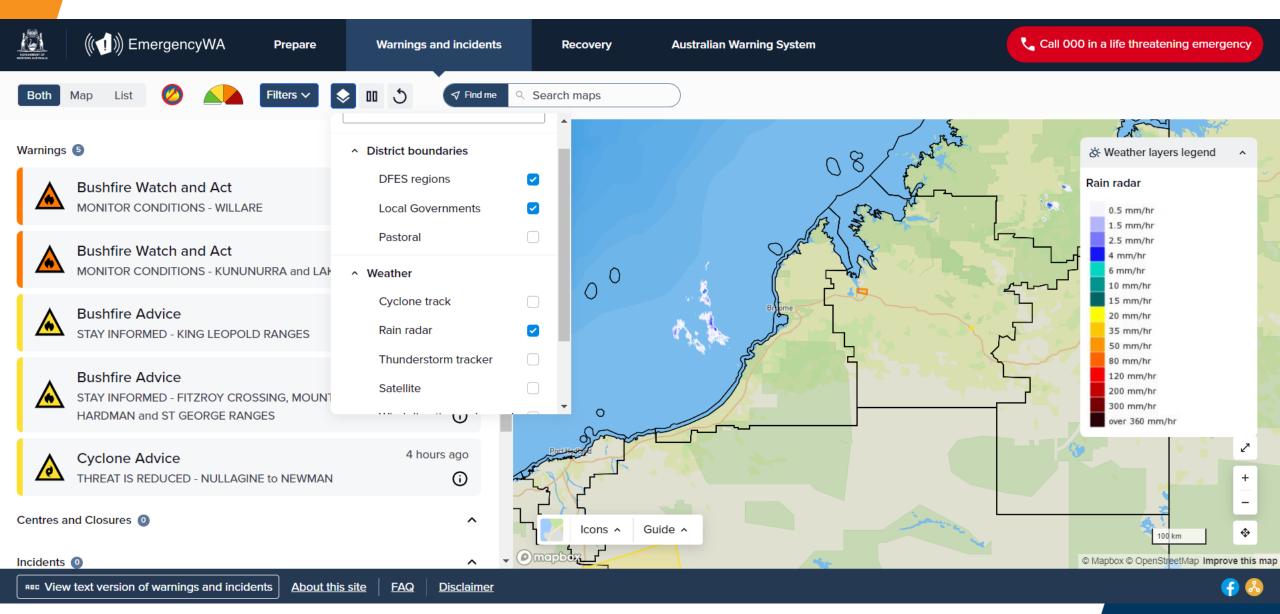














AWS Training

Two online modules have been developed and are available via DFES' Mobilise Me platform dfes.mobilise-me.com

AWS Awareness

An overview of the Australian Warning System and how it applies in Western Australia. Delivered as a self-paced, e-learning awareness module.

Applying the AWS

A scenario-based assessment module for decision makers and those who support the issuing of public information.



What do these changes mean for you?

DFES is asking you to review your policies, procedures, manuals, training materials, signage and other documents and collateral to ensure your agency or business is up to date and understands the AWS.

DFES can assist with providing high-res icons and potentially other graphics that may assist with your updates.

In most cases, particularly for cyclone, it's likely the changes you need to make will be as simple as replacing Blue for Advice, Yellow for Watch and Act and Red for Emergency Warning.

However, depending on how you use these as triggers, some additional consideration may need to be given.

Worth noting, the Bureau of Meteorology's Cyclone Watch and Warning, Flood Watch and Warning and Severe Weather and Severe Thunderstorm products will not be changing.



Cyclone impact checklist

- Policies and procedures
- Training/on boarding information
- On site light/flag etc cyclone warning signage
- Information available at site accommodation/dongas
- Have you informed all your contractors and subsidiaries?
- Can you utilise intranet etc to promote the changes?
- Encourage and promote the review or development of individual home/family response plans and checklists for the cyclone season.



AWS Advertising

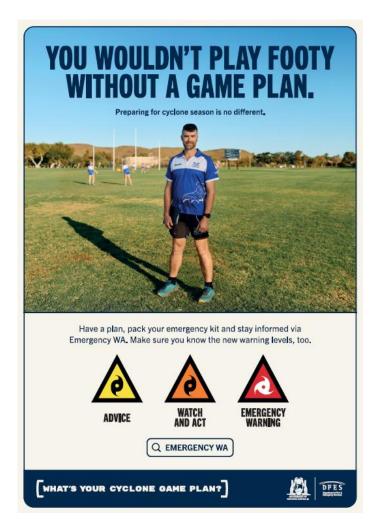
- Over 28,000 letters explaining the changes were sent to households in cyclone-prone areas
- Campaign (digital, television and radio) has been seen close to 6 million times by over 1.1 million. people, with the majority of these located in the North West.
- New cyclone magnets and posters and all hazards poster
- Explainer videos
- Visual infographic with cyclone example
- Explored unique ways to communicate including drink coasters, floor decals at roadhouses/petrol stations/murals





AWS Advertising

- AWS advertising has now transitioned to a cyclone "Game Plan" advertising campaign.
- Materials feature a reminder about the new cyclone warning system.



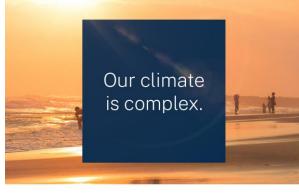




AWS Heatwave Warnings

- Department of Health began issuing AWS Heatwave warnings on Emergency WA in 2022.
- Use the filter menu to include or exclude heatwave warnings to make your warning experience easier on Emergency WA.

	Prepare Warnings ar		nd incidents
Both Map List 🧭 🔔	Filters A		
	Bushfire	68	
Warnings 🕕	Coastal I		
▲ Heatwave Advice	Cyclone		
STAY INFORMED - KINGSLEY	Damagin		
Centres and Closures ()	Earthquake		
	Flood		
Incidents 0	Hazardous Materials 2		
Natural Hazards 🧿	Heatwave 🚺		
	Human F		
Prescribed Burns and Burn Offs 🧕	Power O		
	Smoke	2	_ ▼





Now there's a simple warning system for natural disasters.