

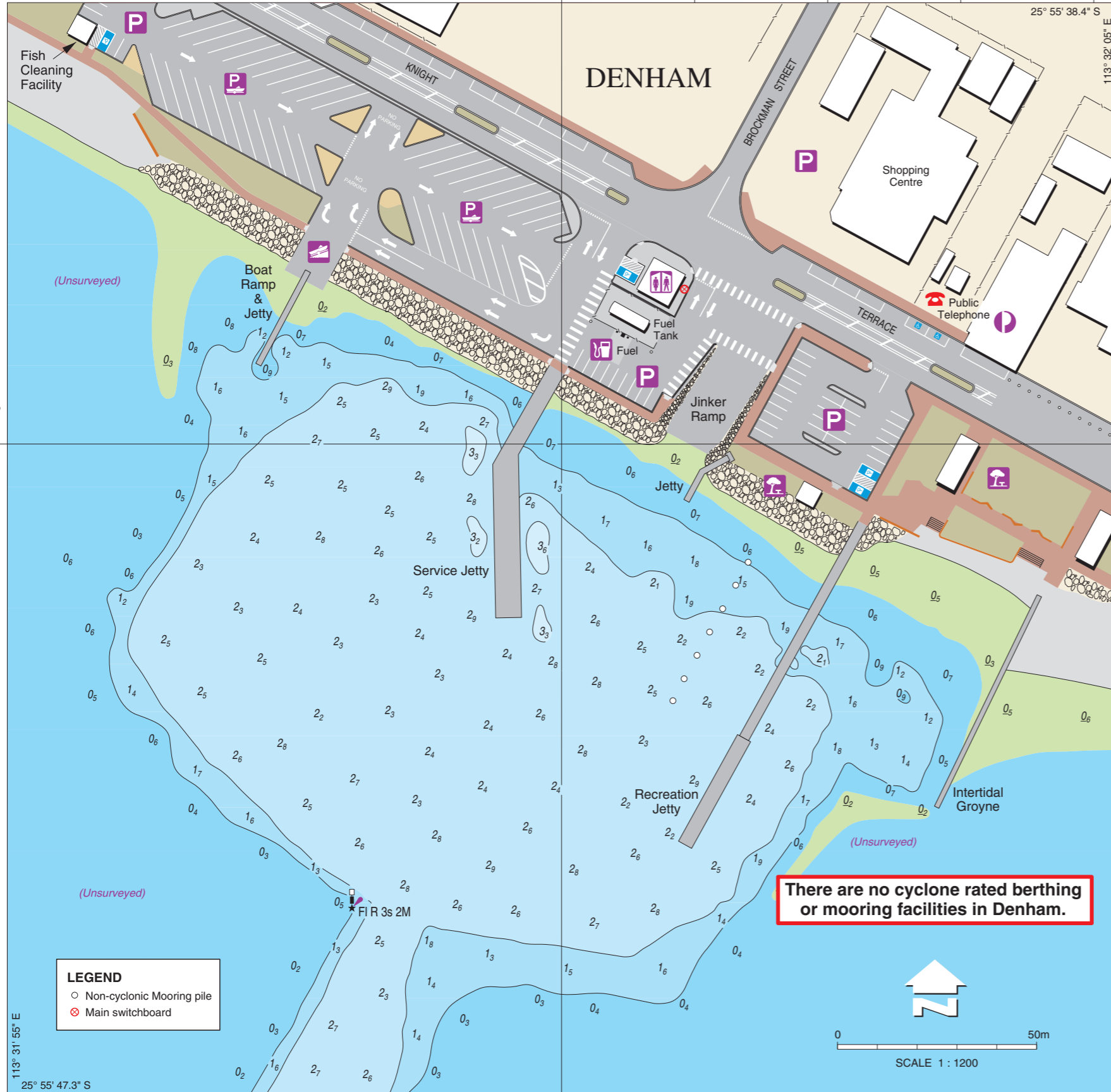


113° 32' E

25° 55' 38.4" S

113° 32' 05" E

DENHAM



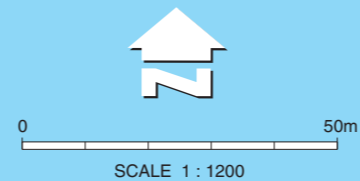
25° 55' 42" S

25° 55' 42" S

LEGEND
 ○ Non-cyclonic Mooring pile
 ⊗ Main switchboard

DEPTHS IN METRES

113° 32' E



CYCLONE WARNINGS

Bureau of Metrology (BoM) issues Tropical Cyclone (TC) Advice whenever a TC is expected to cause winds in excess of 62 km/h (gale force) over land. A TC Advice may be a Watch and/or a Warning, depending on when and where the gales are expected to develop.

For ongoing information from BoM during Tropical Cyclone periods refer to:

Recorded Cyclone Warning Service: 1300 659 210

Internet: <http://www.bom.gov.au/cyclone/>

Department of Fire and Emergency Services (DFES) will release a Cyclone Community Alert to keep people informed and safe. Alert Levels change to reflect the increasing risk to life and advises what you need to do before, during and after a cyclone. DFES issues the following cyclone alerts, Blue, Yellow, Red and All Clear. (see reverse side)

Internet: <https://www.emergency.wa.gov.au/>

KEY CONTACTS NUMBERS

Cyclone Control/Coordination
 Office hours: P: 9216 8234
 M: 0407 993 831
 M: 0427 099 207
 After hours: M: 0472 843 288
 M: 0436 916 047

During a Cyclone "RED ALERT": (DFES SES Geraldton) P: 9956 6000
 P: 13 3337

WA Police Denham: P: 9948 1201

Shire of Shark Bay: P: 9948 1218

All Emergencies: P: 000

SIGNIFICANT HEIGHTS

- 2.9m — Cyclone Herbie
- 2.3m — Service Jetty Deck
- 1.6m — HAT
- 1.3m — MHHW
- 0.9m — Mean Sea Level
- 0.8m — AHD
- 0.5m — MLLW
- 0.0m — LAT

NOTES

- Positions on this plan are related to the Map Grid of Australia, Zone 49, based on the Geodetic Datum of Australia (GDA 94). For GPS use, this approximates WGS 84.
- Portions of this plan are from Department of Transport Nautical Chart Shark Bay - WA 661.
- Sounding Datum is Lowest Astronomical Tide (LAT) 1992 which is 0.80m below AHD (1994).
- Hydrographic Survey dated January 2019.
- The waters of this Maritime Facility, and its approaches, form part of a declared Shipping and Pilotage Act Port. Vessel operators are also subject to any controls and directions issued by the Shipping and Pilotage Act appointed Harbour Master.

DISCLAIMER & ACKNOWLEDGEMENT

The information contained in this publication is provided in good faith and believed to be accurate at time of publication.

The State shall in no way be liable for any loss sustained or incurred by anyone relying on the information. This information in no way takes away the responsibilities of a Vessel's Master.

This Community Information Sheet has been prepared for community safety advice to preserve life and property.

The support of the reader is crucial to the effectiveness in protecting life, property and the environment.

Tropical Cyclone - Community Information Sheet

Denham Maritime Facility – 2019/20 Cyclone Season

1. Purpose of the Community Information Sheet

This Community Information Sheet has been developed to assist users of the Denham Maritime Facility during the period leading up to, the impact of and recovery from, a Tropical Cyclone. It is important that commercial and recreational boat users are well prepared and meet their Legislative requirements in having their own Cyclone Contingency Plans in place.

The Department of Transport (DoT) has a number of preparedness, response and recovery arrangements, including DoT Cyclone Management Plans to manage the impact of a Tropical Cyclone on its facilities.

2. Activation of the DoT Cyclone Management Plan

This DoT Cyclone Management Plan will be activated once a Cyclone Watch or Warning has been issued for the Shark Bay/Denham area by the Bureau of Metrology (BoM). This activation is an internal process of the DoT.

3. DoT Appointed Harbour Coordinator

An authorised DoT Harbour Coordinator will be appointed on the issue of a "BLUE ALERT", who will initiate cyclone preparedness actions for the Denham Maritime Facility, including some involving harbour users.

4. Communication Mediums

While the DoT will not be providing scheduled radio broadcasts (in line with industry consultation) frequencies will be monitored while practical, through several local sources including:

- HF 4125 kHz for 3 minute silent period VHF Channel 16
- 4620 kHz (Fishing Channel) 27MHz Channel 88
- VHF 22 repeater

A 24 hour, 7 day/week HF service operates from the Water Police Coordination Centre that monitors the 4125, 6215 and 8291 kHz distress and calling frequencies. This service covers WA coastal waters within 200 nautical miles offshore. The closest transceiver is at Port Hedland and the call sign is "Coast Radio Hedland".

Key Contacts listing can be seen on the reverse side of this Sheet.

5. Responsibilities of Masters and Owners of Vessels

The information contained within this Community Information Sheet in no way replaces the existing legal obligations of owners and masters of vessels, nor does it seek to over-ride the responsibilities of a Master to take appropriate precautions for the safety of the crew, or to interfere with the Master's independent discretion.

In general terms, Vessel Owners or Masters should undertake the following tasks in order to prevent or minimise damage by ensuring:

- All vessels are removed from the maritime facility during the Cyclone Blue/Yellow Alert phases.

No vessels are permitted to remain alongside the maritime facility at the late stages of Yellow Alert before the Red Alert has been called.

6. Mooring Pens and Mooring Positions

It is important to recognise that the Denham Maritime Facility has no mooring pens and mooring positions suitable for use during a cyclone. Masters should be prepared (as part of their own Cyclone Contingency Plan) to seek alternate shelter if necessary.

7. Cyclone Emergency Welfare Centre

There are no suitable onshore Cyclone rated shelters at the Denham Maritime Facility for crew during a Cyclone and **all crews** must relocate to suitable shore based accommodation or the Shire of Shark Bay Primary Emergency Welfare Centre following the removal of their vessel from the water. The Shire of Shark Bay Primary Emergency Welfare Centre is located at the Recreational Centre on Francis Road, in Denham. Crews should bring clothing, toiletries and other personal effects with them to the Welfare Centre to assist local emergency management arrangements.

8. Tidal Storm Surge

Harbour users need to be aware that a significant positive storm surge may result from the extreme meteorological effects of a Tropical Cyclone. Storm surge may be exacerbated when a Cyclone impacts on a coastal community in conjunction with high tide. Masters of a Vessel need to factor in the effects of storm surge when mooring and preparing their Vessel.

9. Cyclone Mooring Arrangements

Use of jetties and pens at the Denham Maritime Facility is not considered to be a safe practise during a cyclone event and Masters and Owners need to make alternative arrangements for their vessels (Including dinghies). Prior to or upon announcement of a cyclone watch or warning for the Shark Bay/Denham area Masters and Owners need to remove their vessels from the water or secure them on a suitable mooring designed for cyclone use, if the vessel owner has legal access to such a mooring.

10. Masters and Owners Actions during Alerts and Warnings

BoM Declares Tropical Cyclone WATCH or WARNING

- Initiate actions in line with vessel or Company cyclone contingency plan.

DFES-SES "BLUE ALERT" Declared

- If en route to Denham, establish/maintain contact with the Harbour Coordinator.
- Pens and Jetties at the Denham Maritime Facility are not designed for use during a Cyclone Event. Make alternative arrangements.
- Secure all equipment or remove the equipment from the facility precinct.

DFES SES YELLOW ALERT Declared

- Ensure vessels have been removed from the maritime facility.
- Relocate to the Shire of Shark Bay – Emergency Welfare Centre or make other suitable arrangements.

DFES SES "RED ALERT" Declared

There are no actions defined during this phase of ALERT and appropriate rated shelter should be used for your own safety and observe standard DFES SES guidelines and procedures for a Tropical Cyclone.

DFES-SES "ALL CLEAR"

- Extreme caution is to be taken in the post impact phase of a Cyclone both on land and on the water and where hazards or damage is observed it is to be reported to the Harbour Coordinator.
- Caution is to be exercised when navigating in the area as navigation aids may be displaced or missing and there could be additional floating/submerged hazards.

Note: Masters and Owners must consider their own "DUTY OF CARE" responsibilities to remain safe, to protect people, property and the environment.

This Community Information Sheet is available online from the Department of Transport at the following web address:
<https://www.transport.wa.gov.au/imatear/boating-emergencies-and-incidents.asp#28092>



General Mooring Information

Cyclone Moorings are not available at Denham.

Use of jetties and pens at the Denham Maritime Facility is not considered to be a safe practise during a Cyclone event and Masters and Owners need to make alternative arrangements for their vessels (Including dinghies). Prior to or upon announcement of a Cyclone watch or warning for the Shark Bay/Denham area Masters and Owners need to remove their vessels from the water or secure them on a suitable mooring designed for cyclone use, if the vessel owner has legal access to such a mooring.