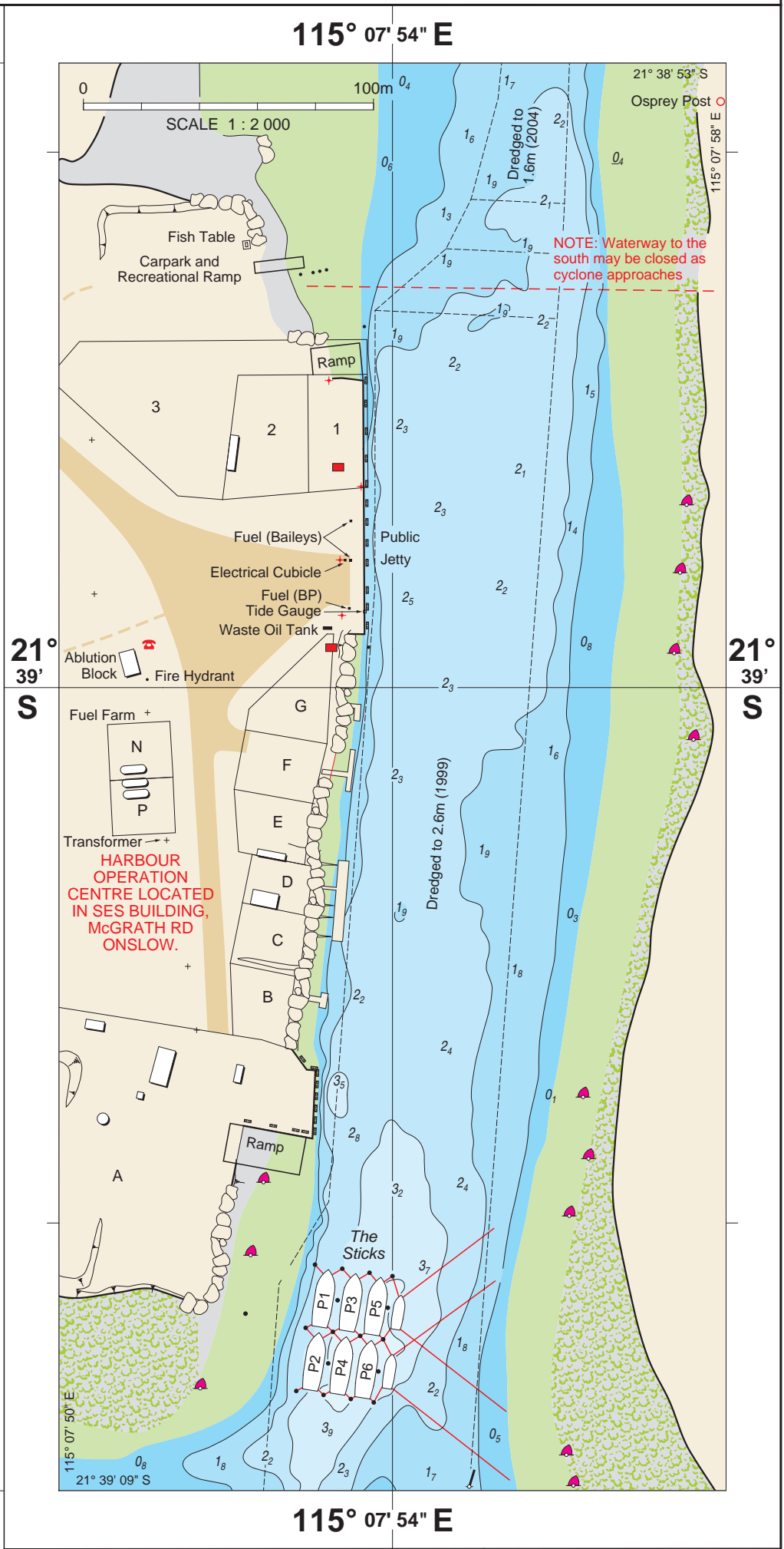
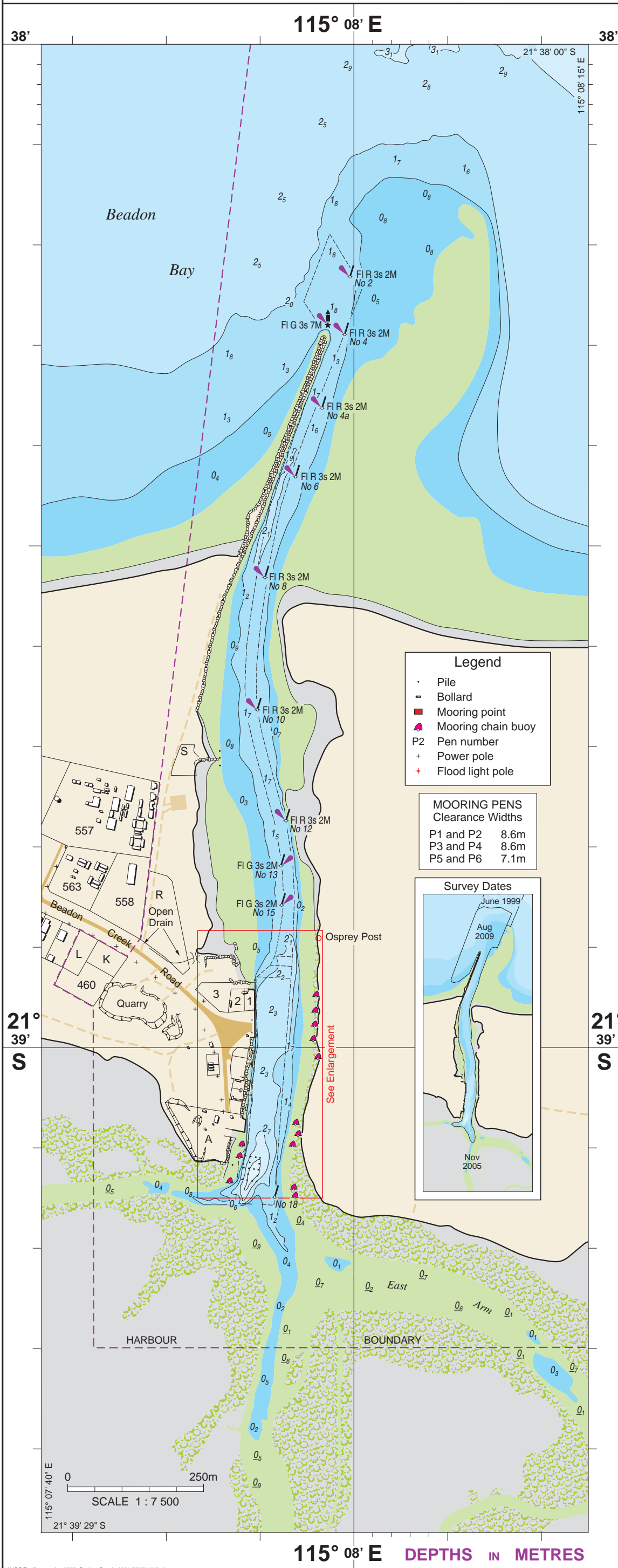




ONSLow (BEADON CREEK) MARITIME FACILITY CYCLONE CONTINGENCY PLAN

NOVEMBER 2011 - APRIL 2012



Bureau of Meteorology
 Recorded Cyclone Warning Service 1300 659 210
 Facsimile Cyclone Warning Service 1902 935 297
 Internet Address
<http://www.bom.gov.au/weather/cyclone/>

NOTES:

- This plan is not to be used for navigation.
- Positions on this plan are related to the Map Grid of Australia, Zone 50, based on the Geodetic Datum of Australia (GDA 94). For GPS use, this approximates WGS 84.
- Vertical Datum - Lowest Astronomical Tide (LAT).

Significant Heights

4.5m	Cyclone Vance water level
3.5m	Public Jetty Deck
3.0m	HAT
2.5m	MHWS
1.8m	MHWN
1.6m	Mean Sea Level
1.2m	MLWN
0.6m	MLWS
0.0m	LAT



ONSLow (BEADON CREEK) MARITIME FACILITY

CYCLONE CONTINGENCY PLAN

November 2011 – April 2012

Purpose of the Plan

Within the limits of the Department of Transport's (Transport) responsibilities and authority, define procedures to: maximise the opportunity for vessels to shelter within the facility; reduce the risk to life and vessels operating in the area; and protect as far as possible the facility infrastructure and environment.

Activation of the Plan

The Plan is to be automatically activated once a Cyclone Watch or Warning has been issued for the Onslow area. The initial activation will be an internal process at Transport generated by Transport's Regional Manager (RM) involving preliminary basic actions.

The activation involving harbour users will commence on the issue of a Blue Alert for the Onslow area.

Harbour Coordinator

The Harbour Coordinator will be appointed from the following people by the RM on the issue of a Blue Alert.

Ray Patterson Transport RM (Pilbara)	9159 6900	0419 950 920	9143 1288 facsimile
Sue Lannin Transport Operations Manager (Pilbara)	9159 6900	0417 927 996	9143 1288 facsimile
John Drummond (Transport, Karratha)	9159 6900	0419 881 014	9143 1288 facsimile
David Warren (Transport, Karratha)	9159 6900	0417 978 935	9143 1288 facsimile
Michael Mackay (Harbour Management Contractor)		0467 811 543	
DPI Satellite Phones 0424 212 843 (John Drummond), 0424 212 845 (David Warren).			
Contact details may change. If you are experiencing difficulties, contact: Onslow Police 9159 9100 or Onslow SES 0409 293 982.			

Harbour Coordinator's Role

Facilitate the coordination of activities within the facility in accordance with this Plan.

Facilitate a flow of information between facility users.

Provide a link with the Onslow SES, Police and the Shire of Ashburton.

Responsibilities of Masters and Owners of Vessels

Masters and owners who choose to operate in cyclone prone areas during the cyclone season: do so at their own risk; need to be watchful for the development of severe weather; are responsible for ensuring their vessels have an onboard cyclone contingency plan; and should have a current copy of this Plan onboard the vessel.

Furthermore, masters and owners are responsible for: the safety of crew and vessel; the provision of mooring lines; and any damage that may be caused to other vessels and public facilities by their vessel.

This Plan in no way replaces the legal obligations of owners and masters of vessels, nor does it seek to over-ride the responsibility of a master to take appropriate precautions for the safety of the crew, or to interfere with the master's independent discretion.

In the general course of business no one is empowered under the Plan to direct or instruct the master or owner of a vessel in such a way that their legal obligations to their crew and to their vessel are compromised. However in instances where the HC determines the actions of a vessel master endanger the lives of harbour users, the HC reserves the right to invoke legislative powers to give a direction to the vessel master to avoid any potential loss of life. The HC must fully consider the level of reasonableness in giving the direction.

The Maritime Facility is a sheltered anchorage only and cannot be guaranteed to be a safe haven.

Furthermore, there are no suitable onshore public shelters at the facility for crew during a cyclone.

The movement of marine traffic in and out of the facility is self managed. The Plan does not and is not intended to interfere with that status.

Communication with Harbour Coordinator

The public telephone network (including mobile and facsimile services) should be used as much as possible to coordinate activities. The Harbour Operation Centre (HOC) is in the SES Building in Onslow, 9184 6780, Fax 9184 6781. The HOC radio callsign is "Beadon Creek Harbour"

While the HOC will not be providing radio broadcasts (in line with industry consultations) frequencies may be monitored while SES staff are in attendance at the HOC and by the Onslow Volunteer Marine Rescue Group:

HF	2182 kHz, 4620 kHz (Fishing Channel),	VHF	Channel 16
27MHz	Channel 88 and Channel 96,	UHF	Channel 26 (CB)

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 off shore. The closest transceiver is at Port Hedland and the callsign is "Coast Radio Hedland".

Tidal Storm Surge

Harbour users need to be aware that a significant positive storm surge may coincide with a high astronomical tide to result in an extreme water level. The effect of storm surge is most severe when these extreme meteorological events occur in conjunction with high tide. It is reasonable to expect a positive tidal storm surge to result in a water level above the deck levels of the main jetty. For example, during Cyclone Vance (22 March 1999) the water surface was over one metre above the Public Jetty decking. If practicable, the Harbour Coordinator will monitor any significant surge.

Important Note: Harbour Coordinators, Masters and Owners please consider your "DUTY OF CARE" responsibilities to remain safe and reduce risk of accidents or injury.

Cyclone Guidelines (Refer to Mooring Guidelines handout)

Moor in a fixed orientation, aligned with the axis of the creek.

Each vessel should have at least four two-way lines, one set to each quadrant.

Mooring line scope to be 3 to 1 or flatter (for all storm tide water levels).

Warp wires and mooring lines run into or across the creek must be wire or chain.

Public Jetty – use swing-up mooring point chains on berth face and ground anchors on both sides of creek. Vessels may need to be rafted two abreast.

Public Pile Moorings ("Sticks") – Clearance widths: Pens 1 to 4 = 8.6m; Pens 5 and 6 = 7.1m.

Mooring lines should be attached to the sliding rings on the vertical mooring bar.

Refer to the Harbour Coordinator if unsure of arrangements.

Overview of the Plan

1. **Cyclone Watch or Warning**

RM activates internal processes within Transport awaiting the issue of a Blue Alert.

- Makes contact with Harbour Contract Manager or Co-Deputy HC for briefing on current status of harbour.
- Ascertain the availability of a berth on the Apache Wharf that can be left vacant in case a vessel arrives after the warp wires have been put in place.

2. **SES Stage BLUE**

The RM appoints the Harbour Coordinator on the issue of the Blue Alert.

Harbour Coordinator's actions:

- Maintain a link with Police, SES and the Shire of Ashburton.
- Establish HOC in Onslow SES building.
- "Close" the recreational boat launching ramp to outbound traffic.
- Prepare cyclone mooring chains at Public Jetty berthface. See Section 2.2 of main cyclone plan.
- Ensure necessary activity for securing the harbour precinct.

Masters and Owners duty:

- If en route to Beadon Creek, maintain contact with Harbour Coordinator.
- Plan to be secured in the creek at least 24 hours before cyclone.
- Mooring of vessel at discretion of master. Concept Mooring Guidelines are available.
- Ensure sufficient fuel onboard to clear the harbour after the cyclone and return.
- Secure equipment or remove the equipment from harbour precinct.
- Ensure warp wires and mooring lines do not impede navigation.

3. **SES Stage YELLOW**

Harbour Coordinator's actions:

- Switch off electrical power to Public Jetty outlets. (See Section 2.3 of main cyclone plan).
- Any vessel known to usually be in the area, but has not been accounted for, should be notified to the Police.
- Seek appropriate shelter (e.g. HOC building) until SES declare the "All Clear"

Masters and Owners duty:

- Secure warp wires and mooring lines in liaison with other masters.
- Provide details of personnel remaining on vessels during cyclone to Police and HC.

4. **SES Stage RED**

There are no actions defined for the Harbour Coordinator. Consider your own safety and observe standard SES procedures.

5. **SES Stage "All Clear"**

Harbour Coordinator's actions:

- When it is safe to do so (winds/rain have subsided), inspect harbour precinct to identify any situation(s) requiring high priority attention.

Masters/Owners duty:

- Confirm with Harbour Coordinator, the safety of any person who remained onboard.
- Advise the Harbour Coordinator of any known hazards or damage to facilities.
- Ensure all warp wires and mooring lines are retrieved.

Caution: Exercise care and proceed with caution when leaving the moorings as navigation aids may be displaced or missing, there may be strong river flow and floating/submerged hazards.

Acknowledgment

This Cyclone Contingency Plan has been prepared in consultation with the users of the Onslow (Beadon Creek) Facility. The Plan has the potential to preserve life and property. Your support is crucial to the effectiveness of the Plan.



Government of **Western Australia**
Department of **Transport**

This document is available at: <http://www.transport.wa.gov.au/imate/19128.asp#CycloneContingencyPlans>