

5. Port infrastructure

5.1 Berth channel and swing basin information

Table 7 Berth Information

Berth	Design depth (metres)	Berth face	Comments
Approach channel			Actual depth 8.1 m refer to latest NtM
Inner Channel	9.6		
Swing basin (maintained area)	7.6		The swing basin is adjacent to the main wharf, extending west approximately 180 m, extending south approximately 300 m and is bordered on the southern side by three special mark buoys.
Swing basin at 300 meters	8.6		Centred at Lat 17 36.06S / Long 146 07.47E
Sugar berth (Government wharf)	10.1	187	Berth pocket 220 m
Departure channel	9.6		

Please note that depths are subject to change; please consult the Notices to Mariners for latest information.

5.1.1 Berth Headings

All headings utilise the WGS '84 datum and reflect Port side too, headout

Berth: Sugar Berth

Heading: 88° 45.13'

5.2 Leading lights and beacons

Table 8 Navigation Aids

	Type	Location	Description
Front lead light	Tower	17° 36.02'S 146° 07.3'E	F.Bu with red triangular day mark (point up)
Rear lead light	Tower	17° 36.02'S 146° 07.12'E	F.Bu with red triangular day mark (point down)
Meaburn Rock	Buoy (YB)	17° 34.2'S 146° 09.84'E	Q(6) & LFL 15 sec

Departure channel	Beacon	17° 35·5'S 146° 08·4'E.	FI Y 2·5 sec (Special mark)
Departure channel	Beacon	17° 35·9'S 146° 08·05'E	FI G 2·5 sec (Starboard lateral)
Hall Rock	Beacon		Q. (North cardinal)
Harbour entrance	Beacon		FI G 2 sec (Starboard lateral)
Harbour entrance	Beacon		FI R 2 sec (Port lateral)
Camp Point	Buoy		FI 2·5 sec
Swing basin	Yellow buoys	Marking southern boundary of swing basin	FI Y 2·5 sec

5.3 Anchoring

Ships are only to anchor in the position and area designated by the VTS centre. Upon anchoring, ships are to advise Mourilyan Port Control of VHF channel 13 of their anchoring time and position. Ships at anchor in the pilotage area are to maintain a continuous listening watch on VHF channel 16 and any other channel as instructed.

Ships are not permitted to immobilise engines without the written approval of the Regional Harbour Master (see 16.6 [Permit request form](#)) and are to report to Mourilyan Port Control if dragging their anchor.

5.4 Anchorage Areas

Anchorage areas outside of the pilotage area vessels waiting to enter the port may wish to proceed to anchor. Permission must be obtained from Mourilyan port control prior to coming to anchor. Vessels may anchor in the following positions:

Area: MA1

Location: 17° 36.7194'S, 146° 11.4100'E

Area: MA2

Location: 17° 37.8196'S, 146° 11.6885'E