

JURONG ISLAND – JURONG ROCK CAVERNS (ORC)

BERTH	DEPTH A/S (m)	APPROACH DEPTH (m)	MAX LOA (m)	MAX DISPL. (Tons)	REMARKS
ORC1A	-	-	140	-	Not operational
ORC1B	15.9	14.6	297	160,000	Shallow depth of 14.8m exists at North by West of Jetty 1
ORC1C	-	-	140	-	Not operational

GENERAL INFORMATION

- 1 No berthing for vessels above maximum displacement.
- 2 No berthing if wind speed > 20 knots.
- 3 Approaches to the Banyan Basin entrance is affected by cross current and tidal restriction apply – see Pilotage Guidelines below.
- 4 During the approach to the entrance of Banyan Basin, it is prudent to stem the prevailing current particularly when the tidal stream exceeds 1 knot in the Sinki Fairway prior entering the Banyan Basin.
- 5 Communications - Pilot Walkie-Talkie Channel: P02
Operation room number: (65) 6369 9893 / 9894

PILOTAGE GUIDELINES

Note: The jetty is located in slack water. The below tidal restrictions are meant for the approach to Banyan Basin entrance.

1 BERTHING (Day/Night)

Flood and Ebb Tide

- a) Tidal strength ≤ 1.0 kts

No restriction

- b) Tidal strength > 1.0 kts to ≤ 1.5 kts

Draft < 12.5 metres: No restriction

Draft ≥ 12.5 metres: No berthing if LOA ≥ 250 metres.

- c) Tidal strength > 1.5 kts to ≤ 2.5 kts

Draft < 11.0 metres: No restriction

Draft ≥ 11.0 metres: No Berthing if LOA ≥ 240 metres

Draft ≥ 12.5 metres: No Berthing if LOA ≥ 200 metres

GT $\geq 100,000$ T: No berthing

- d) Tidal strength > 2.5 kts

Draft < 10.0 metres: No restriction

Draft ≥ 10.0 metres: No Berthing if LOA ≥ 220 metres

Draft ≥ 11.0 metres: No Berthing if LOA ≥ 200 metres

GT $\geq 100,000$: No berthing

2 UNBERTHING (Day/Night)

Flood and Ebb tide

- a) Tidal strength ≤ 2.5 kts

No restriction

- b) Tidal strength > 2.5 kts

GT $\geq 100,000$: No unberthing

MOORING ARRANGEMENT RECOMMENDATIONS & TUGS ASSIGNMENT GUIDELINES

The following are recommendations for vessels mooring arrangement and guidelines for assigning tugs to vessels berthing & unberthing @: ORC Berths 1A, 1B & 1C

LENGTH OVERALL OF VESSEL (LOA)	MOORING ARRANGEMENT	NUMBER OF TUGS	REMARKS
Up to 70 metres	FWD: 3 Headlines and 2 Spring Lines AFT: 3 Stern lines and 2 Spring lines	Pilot, in consultation with the master, may order a tug from the tug company nominated by the ship's agent	-
71 to 122 metres	FWD: 3 Headlines and 2 Spring Lines AFT: 3 Stern lines and 2 Spring lines	1 small tug	A vessel equipped with a suitable bow/stern thruster(s), in good working condition, may dispense with the need for a tug in that position.
123 to 152 metres		2 small tugs	
153 to 180 metres		2 medium tugs	
181 to 250 metres	FWD: 4 Headlines and 2 Spring Lines AFT: 4 Stern lines and 2 Spring lines	2 big tugs	
251 metres and above with draft > 14 metres	FWD: 4 Headlines, 2 Breast lines, 2 Spring Lines	3 big tugs	-
251 metres and above with GT > 75,000	AFT: 4 Stern lines, 2 Breast lines, 2 Spring lines	4 big tugs	

CHARTLET

Chartlet is for illustration purposes only, not to be used for navigation. For navigation, mariners are advised to use the appropriate BA nautical charts.

