



19 June 2015

Edition 12

Australian Notices to Mariners are the authority for correcting Australian Charts and Publications

AUSTRALIAN NOTICES TO MARINERS

Notices 660 - 707



Published fortnightly by the Australian Hydrographic Service

Commodore B.K. BRACE RAN
Hydrographer of Australia

SECTIONS.

- I. Australian Notices to Mariners, including blocks and notes.
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IMPORTANT NOTICE

This edition of Notices to Mariners includes all significant information affecting AHS products which the AHS has become aware of since the last edition. All reasonable efforts have been made to ensure the accuracy and completeness of the information, including third party information, on which these updates are based. The AHS regards third parties from which it receives information as reliable, however the AHS cannot verify all such information and errors may therefore exist. The AHS does not accept liability for errors in third party information.

GENERAL INSTRUCTIONS

The substance of these notices should be inserted on the charts affected.

Bearings are referred to the true compass and are reckoned clockwise from North; those relating to lights are given as seen by an observer from seaward.

Positions quoted in notices relate to WGS84 which is the horizontal datum for all charts produced by the Australian Hydrographic Service.

The range quoted for a light is its nominal range.

Depths are with reference to the chart datum of each chart. Heights are above mean high water springs or mean higher high water, as appropriate.

The capital letter (P) or (T) after the number of any notice denotes a preliminary or temporary notice respectively, which are contained separately at the end of the permanent notices.

A star (*) adjacent to the number of a notice indicates that the notice is based on original information.

REPORTING OF DANGERS

Mariners are particularly requested to notify the AUSTRALIAN HYDROGRAPHIC SERVICE, Locked Bag 8801 Wollongong, NSW 2500 (Fax 02-4223 6599, e-mail Hydro.NTM@defence.gov.au or, alternatively by filling in and submitting the [Hydrographic Notes](#) forms located on the web site – www.hydro.gov.au), immediately on the discovery of new dangers or suspected dangers to navigation. For changes or defects in aids to navigation notify AusSAR (Fax 02-6230 6868 or email rccaus@amsa.gov.au).

AUTHORISED USE

Copies of Australian notices are available free of charge from the Australian Hydrographic Service (AHS) website (www.hydro.gov.au) and through the eNotices (email) service (www.hydro.gov.au/enotices/enotices.htm).

Individual Notices may be copied for the purpose of inserting Notice substance on official charts and publications. Paper copies may be printed by chart agents and distributed to customers on a cost recovery basis. Participating chart agents are listed on the AHS website as providing a 'Paper Notices to Mariners' service (www.hydro.gov.au/prodserv/distributors/distributors.htm). Copies of the notices may not be sold for profit without prior written agreement.

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660 AUSTRALIA - Products- New Charts, New Editions, Withdrawn Charts

Australian Hydrographic Service (AA814109, AA814637)

New Charts

<i>Chart</i>	<i>Title and Geographical limits</i>	<i>Scale</i>	<i>Publication Date</i>	<i>Remarks</i>
Aus 65	Australia - West Coast - Western Australia - Approaches to Barrow Island	1:50 000	19 June 2015	Improved coverage for the approaches to Barrow Island

Electronic Publications

<i>AHP No</i>	<i>Title</i>	<i>Publication Date</i>	<i>Remarks</i>
AHP24	Australian Chart and Publications Maintenance Handbook	19 June 2015	3rd Edition

Chart permanently withdrawn

Charts listed above as withdrawn no longer meet chart carriage requirements and should be marked as "superseded" and replaced with the new chart/ new edition listed prior to passage through the area covered by the new chart.

When placing orders with a chart agent between notice of forthcoming edition and its publication, mariners should advise whether their order pertains to the current edition or the new edition.

For further details refer to the AHS website at www.hydro.gov.au for new edition and new chart stock arrival information.

When placing orders with a chart agent, mariners should advise whether their order pertains to the current edition or the new edition.

661 AUSTRALIA - Products- New Charts and New Editions to be published shortly

Australian Hydrographic Service (AA814637)

New Charts to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>	<i>Expected Publication Date</i>	<i>Remarks</i>
Aus 245	Australia - East Coast - Queensland - Port of Gladstone	1:25 000	3 July 2015	General updating throughout incorporating latest bathymetric surveys

662 AUSTRALIA - Product - Amendment to Australian National Tide Tables 2015
 Australian Hydrographic Service (AA815365)

ANTT 2015

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 Darwin To Chart Datum AUS 24 NE 8 May 2015 0.0
 Darwin To Chart Datum AUS 27 NE 8 May 2015 0.0
 Darwin To Chart Datum AUS 28 NE 8 May 2015 0.0

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Amend Fremantle To Chart Datum AUS 113 NE 8 May 2015 0.0
 Gladstone To Chart Datum AUS 246 NE 22 May 2015 0.0

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Amend Hay Point To Chart Datum AUS 250 NE 5 Jun 2015 0.0

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Amend Urangan To Chart Datum AUS 817 NE 5 Jun 2015 0.0
 Waddy Point To Chart Datum AUS 817 NE 5 Jun 2015 0.0

663* AUSTRALIA - NEW SOUTH WALES - Port Jackson - Garden Island - Anchor berth
 Royal Australian Navy (AA813477)

Aus 200 [122/2015]

Insert	anchor berth, with 300m radius swinging circle	33° 51'.725 S	151° 14'.051 E
	magenta legend <i>Frigate Anchorage</i>	33° 51'.73 S	151° 14'.05 E

Aus 202 [407/2015]

Insert	anchor berth, with 300m radius swinging circle	33° 51'.725 S	151° 14'.051 E
	magenta legend <i>Frigate Anchorage</i>	33° 51'.73 S	151° 14'.05 E

AX 00202T [407/2015]

Insert	anchor berth, with 300m radius swinging circle	33° 51'.725 S	151° 14'.051 E
	magenta legend <i>Frigate Anchorage</i>	33° 51'.73 S	151° 14'.05 E

664* AUSTRALIA - QUEENSLAND - Great Barrier Reef - Particularly Sensitive Sea Area; Two-Way Route
 Australian Hydrographic Service (AA814494)

Aus 367 [272/2015]

Substitute	accompanying chart note	21° 37'.0 S	152° 55'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	21° 12'.4 S	152° 58'.1 E
	legend to <i>GBRMP</i> (see Note)	20° 50'.5 S	152° 37'.7 E

Aus 376 [524/2015]

Substitute	accompanying chart note	9° 04'.0 S	141° 23'.0 E
	accompanying chart note	9° 04'.0 S	141° 52'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	10° 41'.7 S	143° 04'.5 E

Aus 490 [271/2015]

Substitute	accompanying chart note	24° 19'.0 S	151° 00'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	24° 29'.0 S	152° 17'.7 E
	legend to <i>GBRMP</i> (see Note)	24° 29'.0 S	153° 47'.0 E
	legend to <i>GBRMP</i> (see Note)	23° 57'.0 S	153° 48'.7 E
	legend to <i>GBRMP</i> (see Note)	21° 52'.4 S	153° 10'.1 E
	legend to <i>GBRMP</i> (see Note)	20° 52'.4 S	152° 40'.0 E
	legend to <i>GBRMP</i> (see Note)	20° 12'.5 S	151° 30'.5 E

Aus 816 [1214/2014]

Substitute	accompanying chart note	24° 47'.0 S	153° 13'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	24° 29'.7 S	153° 31'.8 E
	legend to <i>GBRMP</i> (see Note)	24° 17'.5 S	153° 55'.8 E

Aus 817 [466/2015]

Amend	legend to <i>GBRMP</i> (see Note)	24° 29'.7 S	152° 41'.2 E
	legend to <i>GBRMP</i> (see Note)	24° 29'.7 S	153° 03'.7 E
	legend to <i>GBRMP</i> (see Note)	24° 29'.7 S	153° 19'.0 E

Aus 818 [808/2014]

Substitute	accompanying chart note	24° 40'.0 S	151° 53'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	24° 29'.7 S	152° 13'.3 E
	legend to <i>GBRMP</i> (see Note)	24° 29'.7 S	152° 51'.4 E

Aus 821 [517/2015]

Substitute	accompanying chart note	20° 23'.0 S	149° 38'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	19° 37'.0 S	150° 30'.4 E

Aus 831 [NE 29/8/2014]

Substitute	accompanying chart note	16° 11'.0 S	145° 18'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	15° 06'.8 S	146° 02'.6 E

Aus 832 [611/2015]

Substitute	accompanying chart note	15° 01'.0 S	144° 42'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	15° 05'.1 S	146° 01'.9 E
	legend to <i>GBRMP</i> (see Note)	14° 26'.5 S	145° 43'.0 E

Aus 837 [607/2015]

Substitute	accompanying chart note	10° 58'.0 S	144° 06'.0 E
	accompanying chart note	10° 39'.5 S	144° 06'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	10° 41'.5 S	143° 37'.2 E

Aus 839 [NE 8/5/2015]

Substitute	accompanying chart note	11° 11'.0 S	142° 42'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	10° 41'.4 S	142° 39'.5 E
	legend to <i>GBRMP</i> (see Note)	10° 41'.5 S	143° 09'.8 E

664* AUSTRALIA - QUEENSLAND - Great Barrier Reef - Particularly Sensitive Sea Area; Two-Way Route**Aus 4620 (INT 620) [608/2015]**

Insert	Particularly Sensitive Sea Area limit with legend <i>PSSA</i> between	13° 00'.0 S	145° 00'.0 E
		13° 00'.0 S	147° 00'.0 E
		15° 40'.0 S	151° 00'.0 E
Substitute	accompanying chart note	20° 20'.4 S	143° 40'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	10° 43'.1 S	144° 42'.4 E
	legend to <i>GBRMP</i> (see Note)	15° 15'.1 S	146° 04'.4 E
	legend to <i>GBRMP</i> (see Note)	19° 21'.4 S	150° 01'.1 E

Aus 4621 (INT 621) [272/2015]

Insert	Particularly Sensitive Sea Area limit with legend <i>PSSA</i> between	13° 40'.0 S	148° 00'.0 E
		19° 00'.0 S	156° 00'.0 E
		22° 40'.0 S	156° 00'.0 E
Substitute	accompanying chart note	21° 25'.0 S	148° 24'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	19° 18'.0 S	149° 55'.5 E
	legend to <i>GBRMP</i> (see Note)	22° 20'.6 S	153° 17'.0 E

Aus 4635 (INT 635) [272/2015]

Insert	Particularly Sensitive Sea Area limit with legend <i>PSSA</i> between	20° 00'.0 S	156° 00'.0 E
		24° 30'.0 S	156° 00'.0 E
		24° 30'.0 S	154° 00'.0 E
Substitute	accompanying chart note	27° 44'.0 S	150° 31'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	24° 27'.0 S	153° 46'.8 E
	legend to <i>GBRMP</i> (see Note)	22° 19'.1 S	153° 16'.1 E
	legend to <i>GBRMP</i> (see Note)	20° 21'.3 S	151° 42'.4 E

AX 00367S [272/2015]

Substitute	accompanying chart note	21° 37'.0 S	152° 55'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	21° 12'.4 S	152° 58'.1 E
	legend to <i>GBRMP</i> (see Note)	20° 50'.5 S	152° 37'.7 E

AX 04620U [608/2015]

Insert	Particularly Sensitive Sea Area limit with legend <i>PSSA</i> between	13° 00'.0 S	145° 00'.0 E
		13° 00'.0 S	147° 00'.0 E
		15° 40'.0 S	151° 00'.0 E
Substitute	accompanying chart note	20° 20'.4 S	143° 40'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	10° 43'.1 S	144° 42'.4 E
	legend to <i>GBRMP</i> (see Note)	15° 15'.1 S	146° 04'.4 E
	legend to <i>GBRMP</i> (see Note)	19° 21'.4 S	150° 01'.1 E

AX 04621U [272/2015]

Insert	Particularly Sensitive Sea Area limit with legend <i>PSSA</i> between	13° 40'.0 S	148° 00'.0 E
		19° 00'.0 S	156° 00'.0 E
		22° 40'.0 S	156° 00'.0 E
Substitute	accompanying chart note	21° 25'.0 S	148° 24'.0 E
Amend	legend to <i>GBRMP</i> (see Note)	19° 18'.0 S	149° 55'.5 E
	legend to <i>GBRMP</i> (see Note)	22° 20'.6 S	153° 17'.0 E

665* AUSTRALIA - QUEENSLAND - Lucinda - Chart Note

Maritime Safety Queensland (AA814718)

Aus 267 [880/2012]

Insert	accompanying chart note	18° 32'.76 S	146° 20'.00 E
	magenta legend <i>Mobile Sea Floor</i> (see Note), centred on	18° 30'.32 S	146° 22'.91 E

666* AUSTRALIA - QUEENSLAND - Moreton Bay - Russell Island - Beacons

Maritime Safety Queensland Notice 173/2015 (AA814544, AA812410)

Aus 236 [518/2015]

Delete	beacon	27° 37'.77 S	153° 24'.19 E
	beacon	27° 37'.85 S	153° 24'.30 E
	beacon	27° 38'.07 S	153° 24'.28 E
	beacon	27° 38'.16 S	153° 24'.37 E
	beacon	27° 38'.36 S	153° 24'.56 E
	beacon	27° 38'.41 S	153° 24'.88 E
	beacon	27° 38'.52 S	153° 24'.98 E

667* PAPUA NEW GUINEA - Cape Blackwood - Legend southwards

Australian Hydrographic Service (AA811884)

Aus 502 [631/2013]

Amend	legend to <i>Kumul Mo(U)15s 19m 15M & Q.R Horn 30s Racon (Q)</i>	8° 03'.9 S	144° 33'.6 E
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668* PAPUA NEW GUINEA - Jomard Entrance - Two-Way Route

Australian Hydrographic Service (DHDB 2838614)

Aus 510 [1254/2013]

Insert	accompanying block	11° 15'.00 S	152° 08'.00 E
	accompanying chart note	10° 59'.50 S	151° 52'.50 E

669* AUSTRALIA - TIMOR SEA - Sahul Banks - Cautionary area; wells; pipelines; light buoys southwards

ConocoPhillips Australia (AA807414)

Aus 312 [1248/2012]

Insert	accompanying block	11° 04'.0 S	126° 40'.0 E
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AX 00312U [1248/2012]

Insert	accompanying block	11° 04'.0 S	126° 40'.0 E
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670* AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Restricted area; wells; pipelines northwestwards

INPEX (AA811956, AA807406)

Aus 319 [615/2015]

Insert	accompanying block	13° 55'.0 S	123° 10'.0 E
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Aus 320 [615/2015]

Insert	accompanying block	13° 55'.0 S	123° 10'.0 E
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Aus 322 [615/2015]

Insert	accompanying block	13° 55'.0 S	123° 06'.0 E
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AX 00319U [615/2015]

Insert	accompanying block	13° 55'.0 S	123° 10'.0 E
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AX 00322U [NE 5/6/2015]

Insert	accompanying block	13° 55'.0 S	123° 06'.0 E
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671* AUSTRALIA - WESTERN AUSTRALIA - Dampier - Mermaid Sound - Light buoys

MetOcean Engineers (AA814392)

Aus 58 [1056/2014]

Move	light buoy	20° 33'.044 S	116° 43'.038 E
	to	20° 32'.997 S	116° 43'.044 E

Aus 59 [1002/2014]

Move	light buoy	20° 33'.044 S	116° 43'.038 E
	to	20° 32'.997 S	116° 43'.044 E
	light buoy	20° 34'.931 S	116° 46'.081 E
	to	20° 34'.925 S	116° 46'.069 E
Delete	depth, 7 ₅ m	20° 34'.93 S	116° 46'.06 E

672* AUSTRALIA - VICTORIA - Port Albert Entrance - Depths, light buoy

Gippsland Ports Notice 108/2015 (AA814373)(DHDB 2877082)

Aus 181 [417/2015]

Insert	accompanying block	38° 44'.5 S	146° 41'.0 E
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Aus 182 (plan, Approaches to Port Albert) [532/2015]

Insert	accompanying block	38° 44'.6 S	146° 41'.7 E
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673* AUSTRALIA - VICTORIA - Western Port - Balnarring Beach - Beacon

Parks Victoria (AA811879)

Aus 150 [1061/2014]

Move	beacon	38° 23'.97 S	145° 08'.60 E
	to	38° 23'.88 S	145° 08'.60 E

Aus 151 [237/2015]

Move	beacon	38° 23'.97 S	145° 08'.60 E
	to	38° 23'.884 S	145° 08'.602 E

674(T)/2015 AUSTRALIA - NEW SOUTH WALES - Botany Bay - Depth information

Former Notice - 482(T)/2015 is cancelled
 Sydney Ports Corporation (AA813816)

Available depths as at 5 June 2015:

<i>Channel/Berth</i>	<i>Metres</i>
Main Channel to Molineux Point	15.6
Port Botany Swinging Basin	15.9
Kurnell 2 Approaches	12.1
Kurnell 1 & 3 Approaches	12.8
Kurnell No1	12.8
Kurnell No2	12.1
Kurnell No3	14.0
Hayes Dock (channel)	16.4
* Hayes No1	16.3
* Hayes No2	16.3
* Hayes No3	16.3
Hayes No4	16.4
Brotherson Dock No5	16.4
Brotherson Dock No6	16.4
* Brotherson Dock No7	14.6
* Brotherson Dock No8	14.5
Brotherson Dock No9	14.4
* Brotherson Dock No10	14.1
* Brotherson Dock No11	14.2
* Brotherson Dock No12	14.4
Bulk Liquids 1	18.3
Bulk Liquids 2	19.0
* Indicates new or revised entry.	

Chart temporarily affected - Aus 196 - Aus 198 - Aus 199

675(T)/2015 AUSTRALIA - NEW SOUTH WALES - Narrabeen - Survey operations completed

Former Notice - 536(T)/2015 is cancelled
 EGS Survey Pty Ltd (AA814432)

Cancel this notice on receipt.

Chart formerly affected - Aus 197 - Aus 809 - AX 00809S

676(T)/2015 AUSTRALIA - NEW SOUTH WALES - Newcastle - Depth information
 Newcastle Port Corporation (AA813813, AA815400)

Available depths as at 15 June 2015:

<i>Berth</i>	<i>Metres</i>	<i>Remarks</i>
Eastern Basin 1	11.5	
Eastern Basin 2 North of Ch 450	11.6	
Eastern Basin 2 South of Ch 450	11.4	
Western Basin 3	11.6	
Western Basin 4	11.6	
Channel Berth	9.7	
Dyke 1	12.8	
* Dyke 2	12.8	
Dyke 4	16.3	
Dyke 5	16.2	
Dyke 6	5.3	
Mayfield 4 Ch 27 to 266	12.8	
BHP Wharf 6 to Ch 1050	7.3	
Kooragang 2	11.6	
Kooragang 2 North Dolphin Ch 182 to 243	11.6	
Kooragang 2 South Dolphin Ch -92 to 00	11.4	
Kooragang 3 Ch -40 to 00	13.1	
Kooragang 3 Ch 00 to 220	13.1	
Kooragang 4	16.2	
* Kooragang 5	16.3	
* Kooragang 6	16.3	
* Kooragang 7	16.2	
Kooragang 8	16.2	
Kooragang 9	16.2	
Kooragang 10	16.2	
Throsby 1 Ch 850 to 1030	8.9	
Carrington Wharf		To be sounded as and when required
Foreshore Park Berth	5.9	
Elgo Wharf		To be sounded as and when required
<i>Channels</i>		
* Entrance Approach	17.4	
Entrance Channel (18.0m)	17.7	
Entrance Channel (17.4m)	17.4	
Entrance Channel (16.8m)	16.8	
Entrance Channel (16.2m)	16.2	
Entrance Channel to Horseshoe	15.2	
* Horseshoe	15.2	
Steelworks Channel to Swinging Basin	15.0	
Swinging Basin	15.1	
Hunter River South Arm (Kooragang 6 to buoy 18)	15.1	
Hunter River South Arm (buoy 18 to buoy 20)	15.0	
Basin Cutting	12.6	
Basin Area to Eastern & Western Basin Berths	12.6	
Basin Area to Throsby 1	9.2	
Stockton Crossing	3.6	
* Indicates new or revised entry.		

Chart temporarily affected - Aus 207 - Aus 208

677(T)/2015 AUSTRALIA - NEW SOUTH WALES - Newcastle - Depth information

Former Notice - 626(T)/2015 is cancelled
 Newcastle Port Corporation (AA813813)

Cancel this notice on receipt.

Chart formerly affected - Aus 207 - Aus 208 - Aus 489 - Aus 809 - AX 00809S

678(T)/2015 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Spoil ground

Former Notice - 410(T)/2011 is cancelled
 Port Kembla Port Corporation (AA813515)

Cancel this notice on receipt.

Chart formerly affected - Aus 194 - Aus 195

679(T)/2015 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Obstruction removed

Former Notice - 864(T)/2011 is cancelled
 Port Kembla Port Corporation (AA813515)

Cancel this notice on receipt.

Chart formerly affected - Aus 194 - Aus 195

680(T)/2015 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Dredging operations; light withdrawn

Former Notice - 627(T)/2015 is cancelled
 Port Kembla Port Corporation Notice 2/2015, 3/2105 (AA813226, AA813823)

Dredging operations are in progress at 103 berth (34° 27'.17 S 150° 53'.76 E).

Special purpose buoys, Q, Y, exist in the following positions:

34° 27'.36 S 150° 53'.63 E
 34° 27'.82 S 150° 53'.79 E
 34° 27'.90 S 150° 54'.58 E
 34° 28'.38 S 150° 54'.68 E
 34° 28'.27 S 150° 54'.50 E

Spoil will be deposited in an area to the west of No4 Jetty, enclosed by a silt curtain marked by special light buoys, Q, Y.

The rear lead, *F.Bu* (34° 26'.92 S 150° 53'.70 E) has been temporarily withdrawn.

Chart temporarily affected - Aus 194 - Aus 195

681(T)/2015 AUSTRALIA - QUEENSLAND - Bundaberg - Depth information

Former Notice - 539(T)/2015 is cancelled
 Maritime Safety Queensland Notice 186(T)/2015 (AA815652)

Available depths as at 15 June 2015:

	<i>Metres</i>
Sea Reach	8.0
Middle Reach	8.5
* Inner Reach	8.5
Swing Basin	6.8
Oil Berth	8.4
* BST Berth	10.1
Deep draught departure channel	8.3
* Indicates revised entry.	

Chart temporarily affected - Aus 242 - Aus 243

682(T)/2015 AUSTRALIA - QUEENSLAND - Hook Island - Light beacon restored

Former Notice - 1133(T)/2014 is cancelled
 Maritime Safety Queensland Notice 172(T)/2015 (AA812411)

Cancel this notice on receipt.

Chart formerly affected - Aus 252 - Aus 824 - Aus 825

683(T)/2015 AUSTRALIA - QUEENSLAND - Kent Island - Light range restored

Former Notice - 370(T)/2015 is cancelled

AMSA (AA814614)

Cancel this notice on receipt.

Chart formerly affected - Aus 258 - Aus 829

684(T)/2015 AUSTRALIA - QUEENSLAND - Moreton Bay - Brisbane River - Depth information

Former Notice - 636(T)/2015 is cancelled

Brisbane Port Corporation (AA813818, AA815069)

Available depths and under keel clearances (UKC) at 12 June 2015:

<i>Berth</i>	<i>Metres</i>	<i>Remarks</i>
Fisherman Islands No12	13.5	
Fisherman Islands No11	14.1	
Fisherman Islands No10	13.7	
Fisherman Islands No9	14.0	
* Fisherman Islands No8	14.3	
Fisherman Islands No7	13.9	
* Fisherman Islands No6	14.2	
Fisherman Islands No5	14.0	
* Fisherman Islands No4	14.0	
Fisherman Islands No3	14.0	
Fisherman Islands No2	14.1	
Fisherman Islands No1	14.2	
* Fisherman Islands Grain and Woodchip	13.2	
* Caltex Fisherman Islands	14.1	
* Fisherman Islands Coal	14.0	
* Fisherman Islands General Purpose	10.8	
BP Luggage Point	13.6	
Caltex Products	10.2	
* Cement Australia Co Wharf	9.7	
BP Products	10.4	
* Viva Energy	10.6	
* Graincorp Liquid Terminal	10.7	
* Incitec North	10.0	
* Incitec South	9.5	
* Pinkenba 1	10.4	
* Pinkenba 2	10.4	
Riverside Marina	-	
Sugar Terminal	9.9	
Cairncross Fitting Out Wharf	7.1	
Cairncross Breasting Wharf	4.4	
Brisbane Naval Wharf	4.3	
Maritime No1	8.7	
* Hamilton No4	9.6	
* Hamilton No1	8.6	
* Brisbane Cruise Ship Terminal	8.7	
	<i>Metres</i>	<i>UKC/Remarks</i>
<i>Moreton Bay:</i>		
North West Channel	15.0	2.3 (280m width)
North West Bypass Channel	9.2	1.6
Spitfire Channel	15.0	1.5 (600m width)
East Knoll Bypass Channel	6.0	1.4
East Channel	15.0	1.5 (300m width from western side)
Main Channel (M8 - M9)	10.0	1.8
Entrance Channel (E5 - EBCN)	14.7	1.5
<i>Brisbane River:</i>		
Outer Bar Cutting	14.0	1.46
* Inner Bar Cutting	14.0	1.46
Fisherman Islands Swing Basin	13.7	1.3
Fisherman Islands Swing Basin (11.5)	11.3	0.6
River	9.1	0.6 / 0.9 (draft/tide)
Cement Australia Swing Basin	9.1	0.6 / 0.9 (draft/tide)
Pinkenba Swing Basin	8.8	0.6 / 0.9 (draft/tide)
* Hamilton Swing Basin	8.7	0.6 / 0.9 (draft/tide)
* Indicates new or revised entry.		

Chart temporarily affected - Aus 235 - Aus 236 - Aus 237 - Aus 238 - Aus 814 - Aus 815

685(T)/2015 PAPUA NEW GUINEA - Oro Bay - Light unlit
National Maritime Safety Authority PNG Notice 16/15 (AA814768)

The light, *Fl.3s 119m 18M* (8° 54'.19 S 148° 28'.38 E), is unlit.

Chart temporarily affected - Aus 521 - Aus 644 - Aus 4620 (INT 620) - Aus 4621 (INT 621) - AX 04620U - AX 04621U

686(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Albany - Dredging operations completed
Former Notice - 644(T)/2015 is cancelled
Albany Port Authority (AA815863)

Cancel this notice on receipt.

Chart formerly affected - Aus 109 - Aus 110

687(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Mooring buoys recovered
Former Notice - 553(T)/2015 is cancelled
Viking Seatech (AA813803), AMSA (AA813804)

Cancel this notice on receipt.

Chart formerly affected - Aus 328

688(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Mooring buoys northwestwards
Date - Until 20 July 2015
Viking Seatech (AA813852), AMSA AUSCOAST 134/2015 (AA813854)

8 yellow mooring buoys, *Fl.3s*, exist within 1NM radius of position 20° 25'.94 S 114° 19'.14 E.

Chart temporarily affected - Aus 328 - Aus 329

689(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Drill rig northwestwards
Date - Until 30 June 2015
MODU *Ocean America* (AA814369)

Drill rig *Ocean America* is conducting drilling operations in position 19° 55'.10 S 114° 25'.71 E.

Chart temporarily affected - Aus 328 - Aus 4723 (INT 723) - AX 04723U

690(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Drill rig westwards moved
Former Notice - 204(T)/2015 is cancelled
MODU *Ocean America* (AA814369)

Cancel this notice on receipt.

Chart formerly affected - Aus 328 - Aus 329 - Aus 4723 (INT 723) - AX 04723U

691(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Eugene McDermott Shoal - Drill rig southeastwards
Date - Until 30 June 2015
MODU *Stena Clyde* (AA815277)

MODU *Stena Clyde* is conducting drilling operations in position 12° 57'.32 S 124° 26'.80 E.

Chart temporarily affected - Aus 319 - Aus 4721 (INT 721) - Aus 4722 (INT 722) - AX 00319U - AX 04721U - AX 04722U

692(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Glomar Shoal - Scientific instruments recovered

Former Notice - 209(T)/2015 is cancelled
MetOcean Engineers (AA815868)

Cancel this notice on receipt.

Chart formerly affected - Aus 327 - Aus 741

693(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Manilya Sandbank - Scientific instrument recovered

Former Notice - 933(T)/2014 is cancelled
Pilbara Ports Authority Notice PH14/15 (AA815855)

Cancel this notice on receipt.

Chart formerly affected - Aus 52 - Aus 53

694(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Dredging operations completed

Former Notice - 556(T)/2015 is cancelled
Woodside Energy Ltd (AA814772)

Cancel this notice on receipt.

Chart formerly affected - Aus 328

695(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Muiron Islands - Mooring buoys northwestwards

BHP Billiton Petroleum Pty Ltd (AA814733, AA815285)

8 yellow mooring buoys, *Fl.5s*, exist within 1.5NM radius of position 21° 31'.74 S 114° 06'.10 E.

Chart temporarily affected - Aus 328 - Aus 329 - Aus 744

696(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Mangrove Point - Harbour works

Date - Until 17 December 2015
Pilbara Ports Authority Notice 15(T)/2015 (AA815856)

Works associated with the upgrade of the wharf at PHPA 3 Berth (20° 19'.08 S 118° 34'.48 E) are in progress.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 54

697(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Scientific instruments

Date - Until 31 July 2016
MetOcean Engineers (AA814392)

Subsurface scientific instruments exist 50m below the surface in the following positions:

19° 55'.76 S 115° 22'.99 E
19° 55'.72 S 115° 22'.03 E
19° 55'.71 S 115° 22'.70 E.

Chart temporarily affected - Aus 327 - Aus 328

698(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Mooring buoys southwestwards

Date - Until 20 September 2015
AMSA AUSCOAST 146/15 (AA815577), Viking Seatech (AA815580)

12 yellow mooring buoys, *Fl.3s*, exist within 1NM radius of position 19° 56'.71 S 115° 19'.50 E.

Chart temporarily affected - Aus 328

699(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Drill rig southwestwards*Date* - Until 30 August 2015

Chevron Australia Pty Ltd (AA815649, AA815644)

Drill rig *Atwood Osprey* is conducting drilling operations in position 19° 48'.67 S 115° 17'.73 E.**Chart temporarily affected - Aus 328****700(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Mooring buoys southwestwards***Date* - Until 30 August 2015

Viking Seatech (AA815874), AMSA AUSCOAST 151/15 (AA815860)

A yellow mooring buoy, *Fl.3s*, exists in position 19° 56'.00 S 115° 23'.83 E.**Chart temporarily affected - Aus 327 - Aus 328****701(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Scientific instruments southwestwards***Date* - Until 30 June 2016

MetOcean Engineers (AA815868)

Scientific instruments marked by special light buoys, *Q(5)Y.20s*, exist in the following positions:

19° 56'.34 S 115° 23'.38 E

19° 56'.46 S 115° 23'.29 E.

Chart temporarily affected - Aus 327 - Aus 328**702(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Mooring buoys southwestwards***Former Notice* - 446(T)/2015 is cancelled*Date* - Until 31 October 2015

Viking Seatech (AA815960)

12 yellow mooring buoys, *Fl.3s*, exist within 1NM radius of 19° 54'.35 S 115° 16'.12 E.**Chart temporarily affected - Aus 328****703(T)/2015 AUSTRALIA - VICTORIA - Port Phillip - Yarra River - Holden Dock - Harbour works***Date* - Until 30 September 2016

Victorian Notices 110(T)/2015 (AA814621)

Harbour works are in progress at Holden Dock (37° 49'.44 S 144° 54'.09 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154**704(T)/2015 AUSTRALIA - VICTORIA - Port Phillip - Blairgowrie - Harbour works***Date* - Until 31 October 2015

Parks Victoria Notice 113(T)/2015 (AA815075)

Harbour works are in progress at Blairgowrie Harbour (38° 21'.31 S 144° 46'.28 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 143 - Aus 158

705(T)/2015 AUSTRALIA - VICTORIA - Port Phillip - Maribyrnong River - Harbour works*Date* - Until 30 September 2016

Victorian Notices 115(T)/2015 (AA815542)

Harbour works are in progress at Maribyrnong Berth 1 (37° 49'.06 S 144° 54'.38 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154

706(T)/2015 AUSTRALIA - TASMANIA - D'Entrecasteaux Channel - Zuidpool Rock - Marine farm*Date* - Until 30 November 2015

Marine and Safety Tasmania Notice M96/2015 (AA815869)

Works to amend the limits of the marine farm are in progress.

The works will be marked by eight special light buoys in the following positions:

43° 19'.78 S 147° 08'.95 E

43° 20'.16 S 147° 09'.48 E

43° 20'.75 S 147° 08'.67 E

43° 21'.35 S 147° 07'.83 E

43° 21'.97 S 147° 06'.98 E

43° 21'.57 S 147° 06'.40 E

43° 20'.95 S 147° 07'.27 E

43° 20'.36 S 147° 08'.11 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 173 - Aus 795

707(T)/2015 AUSTRALIA - TASMANIA - River Tamar - Oak Bluff - Light buoy*Date* - Until 15 July 2015

MAST M94/15 (AA815068)

A special light buoy, Q.Y, has been established in position 41° 13'.00 S 146° 54'.84 E

Chart temporarily affected - Aus 168

II

HYDROGRAPHIC REPORTS

NIL

NAVIGATION WARNINGS

The following radio messages have been received during the period to 18 June 2015. Signal copies of these messages may be destroyed. It is recommended that the reprint of Navigational Warnings should be kept in a file or a book divided into areas. Cancellation should be made on receipt of signals and reprints.

Rigs on location other than those listed in the latest Section III summary are the subject of Radio Navigational Warnings. Rigs in transit will not be the subject of Warnings.

AUSCOAST WARNING

- 132 Cancelled.
- 133 Special purpose vessel *BGP Explorer* is conducting a seismic survey in an area bounded by 17° 45'.00 S 117° 30'.00 E and 19° 30'.00 S 120° 40'.00 E. 6NM clearance requested.
- 134 8 yellow buoys, *Fl.3s*, are deployed within 1NM radius of 20° 25'.9 S 114° 19'.1 E. 2NM clearance requested.
- 135 Drill rig *Ocean America* in position 19° 55'.10 S 114° 25'.71 E. 2.5NM clearance requested.
- 136 Cancelled.
- 137 Cancelled.
- 138 East Vernon Island light K3316 in position 12° 04'.63 S 131° 05'.73 E has reduced power.
- 139 Cancelled.
- 140 Cancelled.
- 141 Drill rig *Stena Clyde* in position 12° 57'.32 S 124° 26'.80 E.
- 142 Cancelled.
- 143 Drill rig *Atwood Eagle* in position 19° 54'.48 S 115° 07'.56 E.
- 144 Special purpose vessel *Fugro Supporter* is conducting a seismic survey in an area bounded by 17° 35' S 113° 05' E and 18° 30' S 114° 30' E. 2.5NM clearance requested.
- 145 Drill rig *Deepwater Millennium* in position 21° 39'.86 S 113° 51'.93 E.
- 146 12 yellow buoys, *Fl.3s*, are deployed within 1NM radius of 19° 56'.71 S 115° 19'.5 E. 2NM clearance requested.
- 147 Drill rig *Atwood Osprey* in position 19° 48'.66 S 115° 17'.73 E.
- 148 Cancelled.
- 149 Cancelled.
- 150 8 yellow buoys, *Fl.3s*, are deployed within 1NM radius of 21° 26'.0 S 114° 01'.8 E. 2NM clearance requested.
- 151 1 yellow buoy, *Fl.3s*, deployed in position 19° 56'.0 S 115° 23'.8 E. 1NM clearance requested.

NAVAREA X WARNINGS

- 048 Cancelled.
- 049 Warnings in force.

Navigational warnings in force as at 180001UTC JUN 15.

Auscoast

2015 067 086 122 126 130 133 134 135 138 141 143 144 145 146 147 150 151

Navarea X

2015 042 043 046 049

Summary of mobile drilling rigs as at 180001UTC JUN 15.

Name	Position
Armada Claire	20° 03'.50 S 115° 11'.50 E
Atwood Eagle	19° 54'.50 S 115° 07'.60 E
Atwood Falcon	21° 32'.30 S 114° 05'.10 E
Atwood Osprey	19° 48'.70 S 115° 17'.70 E
Deepwater Millennium	21° 39'.90 S 113° 51'.90 E
Ensco 5006	13° 51'.70 S 123° 16'.40 E
Jack Bates	13° 54'.20 S 123° 10'.00 E
Noble Clyde Boudreaux	13° 49'.00 S 123° 19'.40 E

19 June 2015

III

Ocean America
Stybarrow Venture
West Telesto

19° 55'.10 S 114° 25'.70 E
21° 27'.00 S 113° 49'.50 E
39° 50'.70 S 145° 49'.20 E

NAVAREA XIV WARNINGS

NIL

Navarea XIV warnings in force as at 180001UTC JUN 15.

2015 NIL

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 367

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 376

To accompany Australian Notice to Mariners 664/2015

**GREAT BARRIER REEF MARINE PARK
(GBRMP)**

Areas of this chart are part of the GBRMP which is within an IMO approved Particularly Sensitive Sea Area (PSSA). Legislative restrictions apply to access, discharge of waste and other activities within the GBRMP. Significant penalties may apply for breaches. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 376

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 490

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 816

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 821

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 818

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 831

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 832

To accompany Australian Notice to Mariners 664/2015

**GREAT BARRIER REEF MARINE PARK
(GBRMP)**

Areas of this chart are part of the GBRMP which is within an IMO approved Particularly Sensitive Sea Area (PSSA). Legislative restrictions apply to access, discharge of waste and other activities within the GBRMP. Significant penalties may apply for breaches. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 837

To accompany Australian Notice to Mariners 664/2015

**GREAT BARRIER REEF MARINE PARK
(GBRMP)**

Areas of this chart are part of the GBRMP which is within an IMO approved Particularly Sensitive Sea Area (PSSA). Legislative restrictions apply to access, discharge of waste and other activities within the GBRMP. Significant penalties may apply for breaches. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 4620

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 837

To accompany Australian Notice to Mariners 664/2015

TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO.

The route keeps ships clear of charted hazards in proximity to its limits and assists in safe and efficient navigation.

In accordance with the International Convention for Safety of Life at Sea, 1974 ships are to maintain a continuous listening watch on VHF channel 16 when practicable. Additionally, ships should note the requirements for reporting to REEFVTS.

The International Regulations for Preventing Collisions at Sea, 1972 apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centreline.

Note for chart Aus 839

To accompany Australian Notice to Mariners 664/2015

**GREAT BARRIER REEF MARINE PARK
(GBRMP)**

Areas of this chart are part of the GBRMP which is within an IMO approved Particularly Sensitive Sea Area (PSSA). Legislative restrictions apply to access, discharge of waste and other activities within the GBRMP. Significant penalties may apply for breaches. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 4621

To accompany Australian Notice to Mariners 664/2015

**GREAT BARRIER REEF MARINE PARK
(GBRMP)**

Areas of this chart are part of the GBRMP which is within an IMO approved Particularly Sensitive Sea Area (PSSA). Legislative restrictions apply to access, discharge of waste and other activities within the GBRMP. Significant penalties may apply for breaches. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 4635

To accompany Australian Notice to Mariners 668/2015

JOMARD ENTRANCE TWO-WAY ROUTE

The Two-Way Route shown on this chart is a ships routing measure that has been adopted by the IMO. The International Regulations for Preventing Collisions at Sea (1972) apply to all vessels whether navigating within or outside the Two-Way Route. Where safe and practicable, vessels are advised to keep to starboard of the routes centrelines.

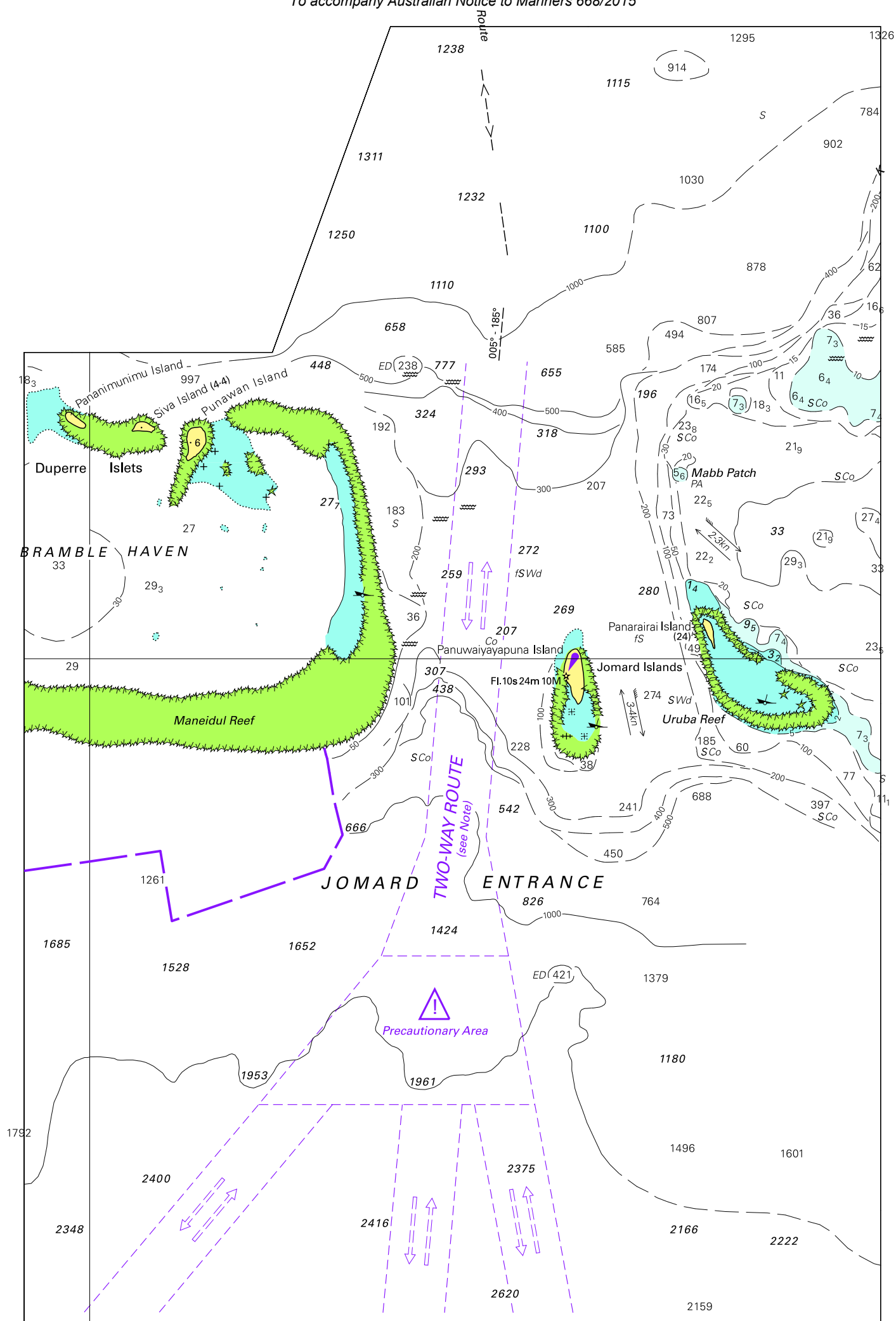
Note for chart Aus 510

To accompany Australian Notice to Mariners 665/2015

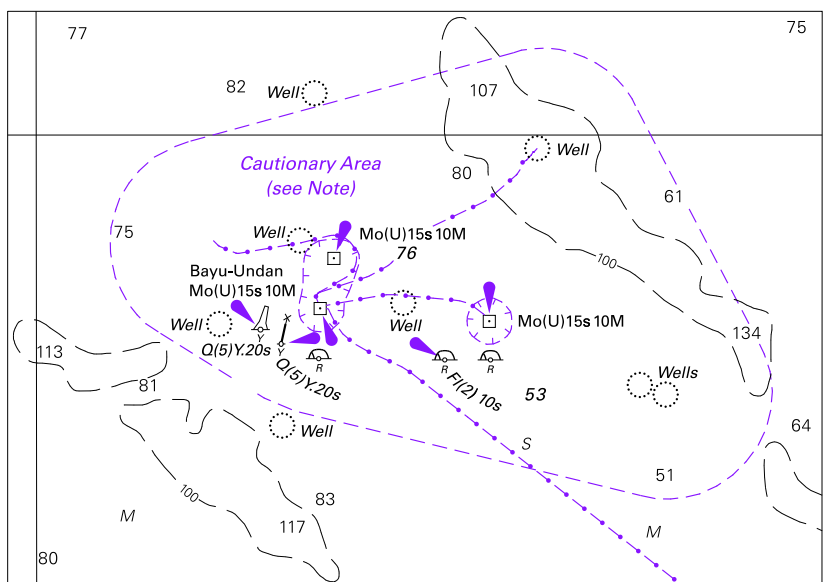
MOBILE SEA FLOOR

The seabed in the entrance and approaches to Lucinda is considered a mobile sea floor and charted depths and contours will vary over time

Note for chart Aus 267



To accompany Australian Notice to Mariners 669/2015

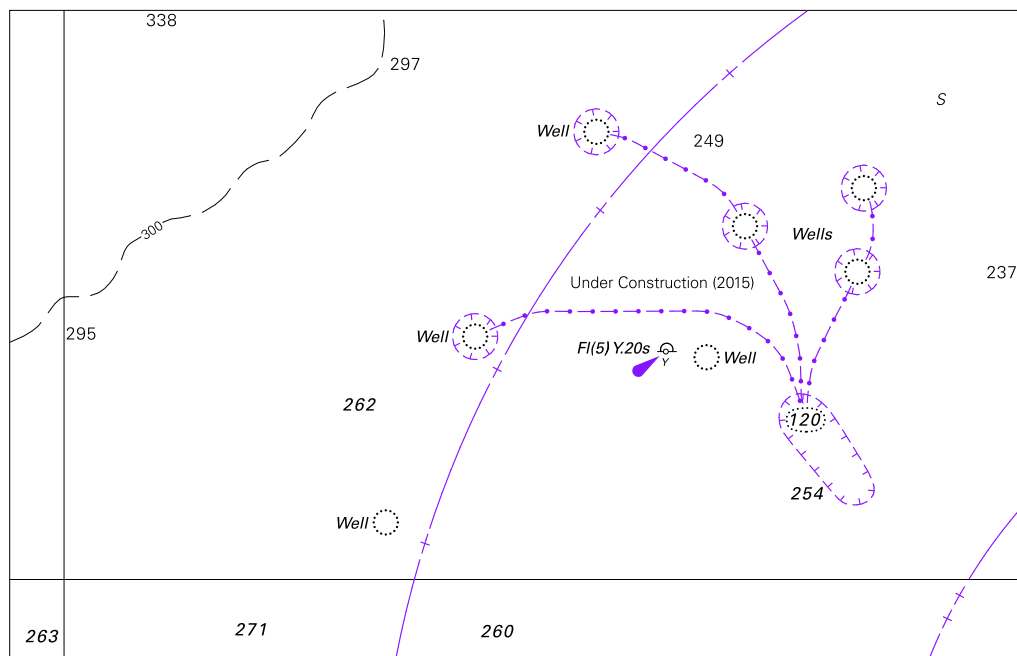


Block for chart Aus 312

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(107.7 x 76.0mm)

To accompany Australian Notice to Mariners 670/2015

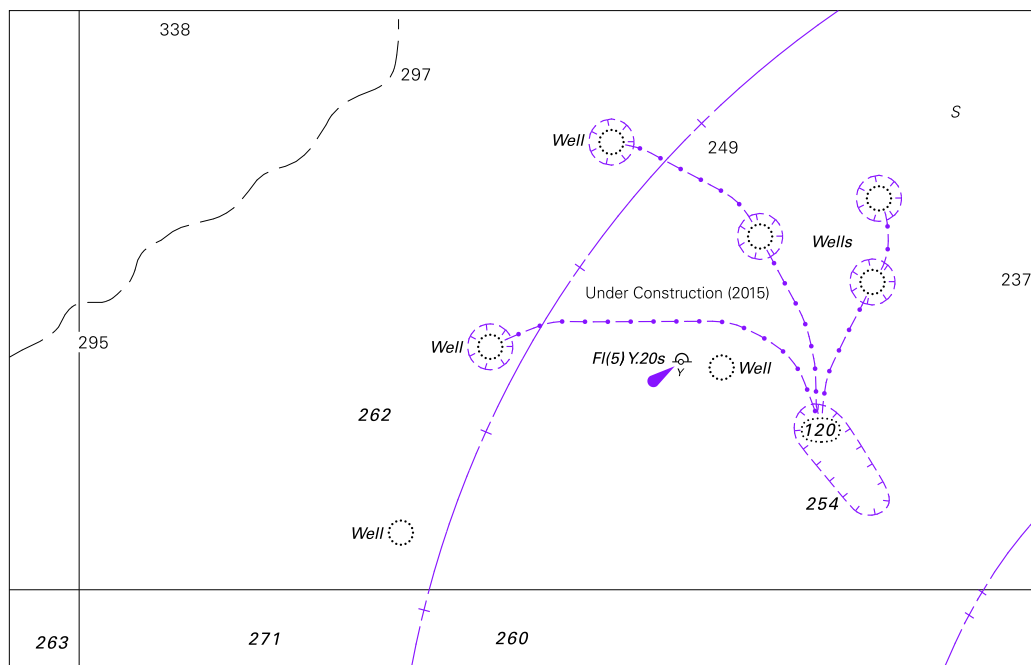


Block for chart Aus 319

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(134.2 x 85.8mm)

To accompany Australian Notice to Mariners 670/2015

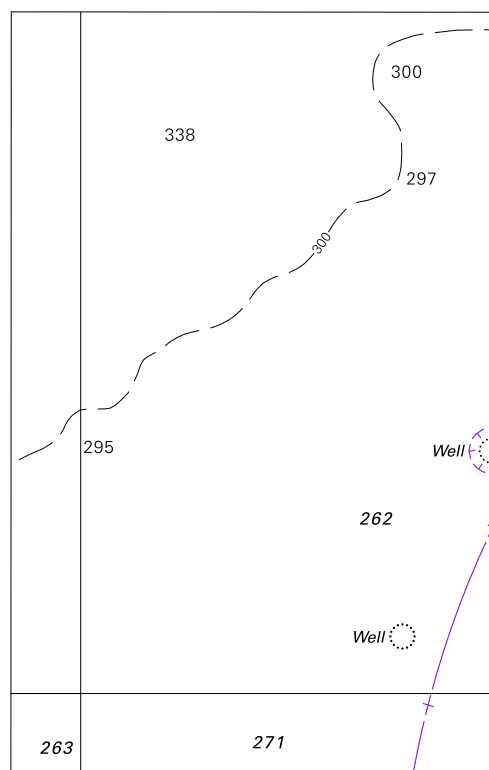


Block for chart Aus 320

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(136.3 x 87.1mm)

To accompany Australian Notice to Mariners 670/2015

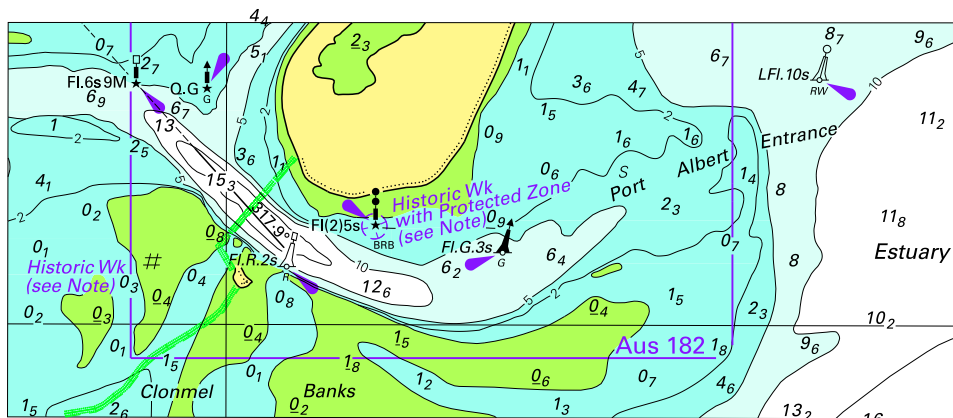


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Block for chart Aus 322

(64.3 x 100.7mm)

To accompany Australian Notice to Mariners 672/2015

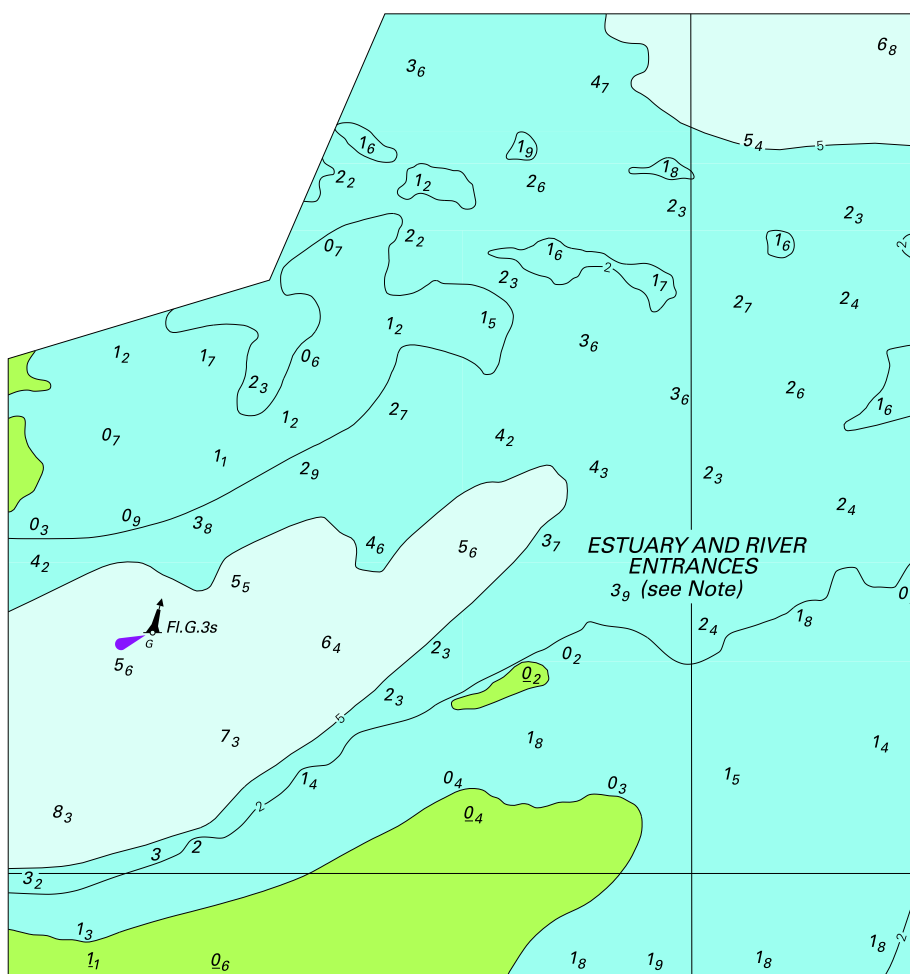


Block for chart Aus 181

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(125.3 x 52.4mm)

To accompany Australian Notice to Mariners 672/2015



Block for chart Aus 182

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(120.1 x 127.3mm)