



26 February 2016

Edition 4

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

AUSTRALIAN NOTICES TO MARINERS

Notices 229 - 278



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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SUPPLEMENTS.

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- III. **Cumulative List of Temporary and Preliminary Australian Notices to Mariners.**
- IV. **Temporary and Preliminary Notices in force.**
- V. **Amendments to Admiralty List of Lights and Fog Signals (Vol K), Radio Signals (NP 281(2), 282, 283(2), 285, 286(4)) and Sailing Directions (NP 9, 13, 14, 15, 33, 34, 35, 36, 39, 44, 51, 60, 61, 62, 100, 136).**

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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 datacentre@hydro.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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229 AUSTRALIA - Products- New Charts and New Editions to be published shortly

Australian Hydrographic Service (AA859369, AA859370, AA859373)

New Charts to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>	<i>Expected Publication Date</i>	<i>Remarks</i>
Aus 642	Port of Lae	1:7 500	11 March 2016	New chart providing improved coverage.
Aus 643	Approaches to Lae	1:50 000	11 March 2016	New chart providing improved coverage.

New Editions to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>	<i>Expected Publication Date</i>	<i>Remarks</i>
Aus 115	Approaches to Bunbury	1:50 000	11 March 2016	New bathymetric data.
Edition 4	Port of Bunbury	1:10 000		

230 AUSTRALIA - Products - New Charts, New Editions, Withdrawn Charts

UKHO (AA860342)

New Charts

<i>Chart</i>	<i>Title and Geographical limits</i>	<i>Scale</i>	<i>Publication Date</i>	<i>Remarks</i>
NIL				

New Electronic Navigation Chart (Aus ENC)

<i>Cell Name</i>	<i>Title</i>	<i>Publication Date</i>	<i>Remarks</i>
NIL			

New Editions and Withdrawn Charts

<i>Chart</i>	<i>Title</i>	<i>Scale</i>	<i>Publication Date</i>	<i>Remarks</i>
NIL				

Admiralty publication

<i>NP No</i>	<i>Title</i>	<i>Date</i>	<i>Remarks</i>
NP283(2)	Admiralty List of Radio Signals. Maritime Safety Information Services. The Americas, Far East and Oceania 2016/17.	3/3/2016	The 2014/15 Edition of NP283(2) is cancelled. Please note that there was no 2015/16 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.

231 Cessation of dredged depth updates

Australian Hydrographic Service (AA350099)

The Australian Hydrographic Service will no longer publish temporary depth information for maintained dredged channels and berth pockets. Paper charts and ENC will reflect the intended design depth. For the latest depth information contact the relevant Port Authority.

232* AUSTRALIA - NEW SOUTH WALES - Hawke Harbour to Evans Head - Light buoys

NSW Roads and Maritime Services (SIRF2016003274)

Aus 219 (plan, Hastings River) [1281/2015]

Insert	special pillar light buoy, <i>Fl. Y.5s</i> , without topmark	31° 28'.849 S	152° 56'.132 E
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Aus 219 (plan, Cape Hawke Harbour) [1281/2015]

Insert	special pillar light buoy, <i>Fl. Y.5s</i> , without topmark	32° 10'.443 S	152° 30'.960 E
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Aus 220 (plan, Trial Bay) [521/2014]

Insert	special pillar light buoy, <i>Fl. Y.5s</i> , without topmark	30° 52'.782 S	153° 02'.715 E
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Aus 220 (plan, Evans Head) [521/2014]

Insert	special pillar light buoy, <i>Fl. Y.5s</i> , without topmark	29° 06'.531 S	153° 26'.387 E
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Aus 221 [1209/2014]

Insert	special pillar light buoy, <i>Fl. Y.5s</i> , without topmark	30° 17'.47 S	153° 08'.72 E
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Aus 222 [477/2014]

Insert	special pillar light buoy, <i>Fl. Y.5s</i> , without topmark	29° 26'.000 S	153° 22'.191 E
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233* AUSTRALIA - NEW SOUTH WALES - Port Macquarie - Fish haven eastwards

NSW Department of Primary Industries (SIRF2015001251, SIRF2016002915, SIRF2016003221)

Aus 811 [771/2015]

Insert	fish haven with minimum depth, <i>35m</i> , centred on	31° 25'.04 S	152° 58'.95 E
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234* AUSTRALIA - QUEENSLAND - Bowen to Cairncross Islets - Chart notes

Australian Hydrographic Service (AA851812)

Aus 281 [1227/2015]

Substitute	accompanying FMA note	12° 49'.8 S	143° 57'.6 E
	accompanying RASD note	12° 53'.0 S	143° 52'.5 E

Aus 826 [568/2015]

Substitute	accompanying FMA note	19° 59'.5 S	147° 33'.5 E
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Aus 827 [713/2015]

Substitute	accompanying FMA note	19° 27'.0 S	146° 26'.0 E
	accompanying UXO note	19° 29'.0 S	146° 20'.0 E
	accompanying MEA note	19° 25'.0 S	146° 32'.5 E

Aus 828 [1283/2015]

Substitute	accompanying FMA note	18° 43'.5 S	146° 08'.0 E
	accompanying UXO note	18° 45'.5 S	146° 08'.0 E
	accompanying MEA note	18° 40'.8 S	146° 08'.0 E

Aus 829 [NE 31/7/2015]

Substitute	accompanying FMA note	17° 48'.0 S	145° 53'.0 E
	accompanying MEA note	17° 51'.0 S	145° 53'.0 E

Aus 830 [180/2016]

Substitute	accompanying FMA note	17° 00'.5 S	145° 24'.0 E
	accompanying MEA note	16° 52'.5 S	145° 35'.0 E
	accompanying UXO note	16° 54'.0 S	145° 35'.0 E

Aus 831 [918/2015]

Substitute	accompanying FMA note	16° 14'.5 S	145° 18'.0 E
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Aus 832 [990/2015]

Substitute	accompanying FMA note	15° 04'.0 S	144° 42'.0 E
	accompanying MEA note	15° 12'.5 S	144° 36'.0 E

Aus 833 [611/2015]

Substitute	accompanying FMA note	14° 21'.5 S	143° 38'.0 E
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Aus 834 [1227/2015]

Substitute	accompanying FMA note	13° 25'.5 S	143° 18'.0 E
	accompanying RASD note	13° 27'.0 S	143° 23'.0 E

Aus 835 [122/2016]

Substitute	accompanying FMA note	12° 26'.0 S	142° 44'.5 E
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Aus 836 [NE 23/10/2015]

Substitute	accompanying FMA note	12° 34'.0 S	144° 18'.0 E
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235* AUSTRALIA - QUEENSLAND - Cairns - Trinity Inlet - Wreck; light buoy

Maritime Safety Queensland Notice 46/2016 (SIRF2016003149, SIRF2016003291)

Aus 264 [245/2014]

Insert	dangerous wreck	16° 58'.251 S	145° 47'.466 E
	out of position special spar light buoy, <i>Fl. Y. 3s</i> , without topmark	16° 58'.251 S	145° 47'.466 E

236* AUSTRALIA - QUEENSLAND - Moreton Bay - Brisbane River - Luggage Point to Pelican Banks Reach - Berths; depth

Maritime Safety Queensland Notice 54/2016 (SIRF2016003235), Port of Brisbane Corporation (DSID 3042847)

Aus 237 [184/2016]

Insert	berth desig 1, centred on	27° 23'.07 S	153° 09'.27 E
	depth, 4 ₆ m	27° 23'.507 S	153° 09'.380 E

Amend	name to <i>Port North Common User Berth</i>	27° 22'.96 S	153° 09'.16 E
	maintained depth to 14.0m	27° 23'.03 S	153° 09'.29 E

Delete	depth, 5m	27° 23'.50 S	153° 09'.38 E
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237* AUSTRALIA - QUEENSLAND - Moreton Bay - Spitfire Channel - Foul ground

Maritime Safety Queensland Notice 59/2016 (SIRF2016003261)

Aus 235 [33/2016]

Insert	#, centred on	27° 03'.42 S	153° 17'.67 E
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Aus 236 [35/2016]

Insert	#, centred on	27° 03'.42 S	153° 17'.67 E
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Aus 814 [33/2016]

Insert	#, centred on	27° 03'.42 S	153° 17'.67 E
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Aus 815 [33/2016]

Insert	#, centred on	27° 03'.42 S	153° 17'.67 E
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238* AUSTRALIA - QUEENSLAND - The Broadwater - Runaway Bay - Nav aids

Maritime Safety Queensland Notice 50/2016 (SIRF2016003144, SIRF2016003257)

Aus 230 [1139/2015]

Insert	west cardinal pillar light buoy, Q(9)15s, with topmark	27° 54'.930 S	153° 24'.722 E
	special cylindrical light buoy, Fl.Y.4s. without topmark	27° 55'.202 S	153° 24'.506 E
	port lateral cylindrical light buoy, Fl.R.4s, without topmark	27° 55'.231 S	153° 24'.507 E

Delete	light beacon	27° 54'.89 S	153° 24'.71 E
	light beacon	27° 55'.21 S	153° 24'.51 E

239* AUSTRALIA - QUEENSLAND - Torres Strait to Gulf of Carpentaria - Chart notes; preferred route
 Australian Hydrographic Service (AA851812)

Aus 292 [186/2016]			
Substitute	accompanying TSTH note	10° 51'.0 S	142° 26'.0 E
Aus 293 [186/2016]			
Substitute	accompanying TSTH note	10° 25'.0 S	142° 18'.3 E
Aus 294 [723/2015]			
Substitute	accompanying TSTH note	10° 41'.8 S	142° 11'.4 E
	accompanying MEA note	10° 50'.2 S	142° 25'.0 E
Aus 296 [NE 10/10/2014]			
Substitute	accompanying TSTH note	10° 37'.5 S	142° 01'.1 E
Aus 299 [41/2016]			
Substitute	accompanying TSTH note	10° 33'.2 S	142° 12'.5 E
Aus 301 [1221/2014]			
Substitute	accompanying TSTH note	12° 50'.0 S	142° 10'.0 E
	accompanying MEA note	12° 54'.0 S	142° 10'.0 E
Delete	note, Preferred Route	12° 44'.0 S	142° 10'.0 E
	preferred route with legends 089° - 269° and Preferred Route (see Note), between	10° 44'.9 S	141° 41'.9 E
	preferred route with legends 076° - 256° and Preferred Route (see Note), between	10° 46'.1 S	140° 30'.8 E
	preferred route with legends 076° - 256° and Preferred Route (see Note), between	10° 44'.9 S	141° 41'.9 E
	note, Preferred Route	11° 02'.8 S	140° 29'.5 E
Aus 306 [775/2015]			
Delete	preferred route with legends 089° - 269°, 090.5° - 270.5° and Preferred Route (see Note), between	10° 49'.1 S	137° 37'.0 E
	preferred route with legends 076° - 256° and Preferred Route (see Note), between	10° 49'.3 S	135° 38'.0 E
	preferred route with legends 076° - 256° and Preferred Route (see Note), between	11° 45'.2 S	137° 37'.0 E
	note, Preferred Route	11° 57'.7 S	136° 46'.0 E
	note, Preferred Route	13° 00'.0 S	135° 43'.0 E
Aus 700 [41/2016]			
Substitute	accompanying TSTH note	11° 09'.0 S	142° 13'.0 E
	accompanying MEA note	11° 13'.5 S	141° 00'.0 E
Delete	note, Preferred Route	11° 08'.0 S	141° 00'.0 E
	preferred route with legends 089° - 269° and Preferred Route (see Note), between	10° 44'.9 S	141° 41'.9 E
	preferred route with legends 076° - 256° and Preferred Route (see Note), between	10° 45'.8 S	140° 48'.1 E
	preferred route with legends 076° - 256° and Preferred Route (see Note), between	10° 44'.9 S	141° 41'.9 E
	note, Preferred Route	10° 58'.1 S	140° 48'.2 E
Aus 715 [787/2010]			
Delete	preferred route with legends 076° - 256° and Preferred Route (see Note), between	11° 50'.9 S	137° 13'.7 E
	note, Preferred Route	11° 57'.7 S	136° 46'.0 E
Aus 718 [803/2013]			
Delete	preferred route with legends 090.5° - 270.5° and Preferred Route (see Note), between	10° 48'.8 S	134° 45'.8 E
	note, Preferred Route	10° 48'.3 S	133° 47'.9 E
	note, Preferred Route	12° 06'.0 S	134° 00'.5 E
Aus 839 [186/2016]			
Substitute	accompanying TSTH note	11° 14'.5 S	142° 31'.0 E
Aus 4720 (INT 720) [117/2016]			
Delete	preferred route with legends 089° - 269°, 090.5° - 270.5° and Preferred Route (see Note), between	10° 45'.0 S	141° 42'.0 E
	preferred route with legends 076° - 256° and Preferred Route (see Note), between	10° 48'.5 S	134° 00'.0 E
	preferred route with legends 076° - 256° and Preferred Route (see Note), between	10° 45'.0 S	141° 42'.0 E
	note, Preferred Route	11° 55'.5 S	136° 55'.0 E
	note, Preferred Route	17° 58'.0 S	135° 34'.0 E

240* PAPUA NEW GUINEA - New Britain - Duke of York Island - Nambaul - Depth
IXSURVEY Australia (DSID 3033726)

Aus 679 [NC 29/1/2010]

Substitute depth, 11_gm, enclosed by contour for depth, 40m 4° 10'.24 S 152° 29'.95 E

241* AUSTRALIA - NORTHERN TERRITORY - Darwin - Middle Passage - Wreck
UKHO (SIRF2016003127)

Aus 26 [1288/2015]

Substitute depth, 18_gm, for depth, 20_gm 12° 23'.9 S 130° 45'.9 E

242* AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Infrastructure; cautionary area northwestwards
Australian Maritime Safety Authority (SIRF2016003072), Shell Australia (SIRF2016002732)

Aus 319 [188/2016]

Insert accompanying block 13° 53'.0 S 123° 15'.0 E

Aus 320 [1290/2015]

Insert accompanying block 13° 53'.0 S 123° 15'.0 E

243* AUSTRALIA - WESTERN AUSTRALIA - Dampier - King Bay - Nav aids; maintained depth limit
Pilbara Ports Authority Notice D2/2016 (SIRF2016002717, SIRF20163160)

Aus 59 [1235/2015]

Insert accompanying block 20° 38'.0 S 116° 44'.6 E

244* AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Point Marquis to Anglesea Point - Nav aids
Fremantle Ports (SIRF2016003198, SIRF2016003268)

Aus 113 [727/2015]

Delete buoy 32° 03'.43 S 115° 44'.29 E
beacon 32° 03'.56 S 115° 44'.44 E

245* AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Success Channel - Light buoy
Fremantle Ports (SIRF2016003246)

Aus 117 [190/2016]

Insert starboard lateral pillar light buoy, Q.G No7, with topmark 32° 06'.106 S 115° 41'.716 E

Delete light buoy 32° 06'.13 S 115° 41'.73 E

246* AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Well northwestwards
Chevron Australia Pty Ltd (SIRF2016003247, SIRF2016003304)

Aus 328 [44/2016]

Insert depth, 1349m, enclosed by danger circle with legend, Well 19° 47'.50 S 114° 38'.66 E

Aus 4723 (INT 723) [1355/2015]

Insert danger circle with legend, Well 19° 47'.5 S 114° 38'.7 E

247 INDIAN OCEAN - Prince Edward Islands - Depths northeastwards
BA Notice 804/7/2016 (SIRF2016003133)

Aus 4070 (INT 70) [1118/2014]

Insert depth, 752m, and extend contour SE to enclose 45° 31'.0 S 39° 41'.2 E

Substitute depth, 569m, for depth, 741m 43° 36'.0 S 40° 04'.0 E

Delete depth, 967m 45° 27'.0 S 39° 36'.0 E

248* AUSTRALIA - VICTORIA - Port Phillip - Geelong - Refinery Pier - Depths

Total Hydrographic (SIRF2016003114)

Aus 153 [1153/2015]

Insert accompanying block

38° 05'.4 S

144° 23'.0 E

249* AUSTRALIA - VICTORIA - Port Phillip - Patterson River to St Leonards - Beacons

Parks Victoria Notices 249(T)/2015, 51/2016, 55/2016 (SIRF2015002386, SIRF2016003172, SIRF2016003248)

Aus 143 (plan, Patterson River) [131/2016]

Insert special beacon, with topmark

38° 04'.593 S

145° 07'.092 E

Aus 157 [193/2016]

Insert special beacon, with topmark

38° 10'.176 S

144° 43'.288 E

special beacon, with topmark

38° 10'.517 S

144° 43'.275 E

special beacon, with topmark

38° 10'.657 S

144° 43'.172 E

special beacon, with topmark

38° 10'.827 S

144° 43'.093 E

special beacon, with topmark

38° 06'.548 S

144° 38'.694 E

special beacon, with topmark

38° 06'.378 S

144° 38'.249 E

Move beacon

38° 10'.03 S

144° 43'.18 E

to

38° 10'.019 S

144° 43'.206 E

beacon

38° 06'.66 S

144° 38'.84 E

to

38° 06'.626 S

144° 38'.915 E

Aus 158 [131/2016]

Insert special beacon, with topmark

38° 10'.176 S

144° 43'.288 E

special beacon, with topmark

38° 10'.517 S

144° 43'.275 E

special beacon, with topmark

38° 10'.657 S

144° 43'.172 E

special beacon, with topmark

38° 10'.827 S

144° 43'.093 E

250(T)/2016 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Darling Harbour - Harbour works

Date - Until 30 November 2016

Port Authority of New South Wales Notice 6/2016, 7/2016 (SIRF2016003174, SIRF2016003205)

Harbour works are in progress in an area marked by special light buoys, *Fl. Y. 5s*, in the following positions:

33° 51'.84 S 151° 12'.04 E
 33° 51'.84 S 151° 12'.01 E
 33° 51'.88 S 151° 12'.01 E
 33° 51'.91 S 151° 12'.02 E
 33° 51'.94 S 151° 12'.02 E
 33° 51'.95 S 151° 12'.02 E.

Anchors have been deployed in positions 33° 51'.82 S 151° 11'.96 E and 33° 51'.96 S 151° 11'.97 E. The anchor wires are marked by a special light buoy where there is less than 5m of water over the wires. Vessels are not to pass between the special buoys and the barge.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 200 - Aus 202**251(T)/2016 PACIFIC OCEAN - Melanesian Basin - Seismic survey**

Date - Until 20 March 2016

JAMSTEC (SIRF2016003192)

RV *Kairei*, with a 300m towed array, is conducting a seismic survey in an area bounded by the following positions:

2° 00'.0 S 164° 00'.0 E
 4° 30'.0 S 164° 00'.0 E
 4° 30'.0 S 166° 40'.0 E
 2° 00'.0 S 166° 40'.0 E.

Chart temporarily affected - Aus 4060 (INT 60) - Aus 4604 (INT 604)**252(T)/2016 AUSTRALIA - QUEENSLAND - Brisbane River - Lytton and Quarantine Reach - Dredging operations**

Maritime Safety Queensland Notice 64(T)/2016 (SIRF2016003312)

The dredge *Ken Harvey* and support vessels *Brisbane* and MT *Turtle* are conducting dredging operations between positions 27° 24'.87 S 153° 08'.55 E and 27° 25'.05 S 153° 08'.38 E.

The dredge has deployed six anchors which are marked by special buoys.

All vessels will monitor VHF Ch 12.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 237 - Aus 238**253(T)/2016 AUSTRALIA - QUEENSLAND - Cairns - Trinity Inlet - Wreck salvaged**

Former Notice - 129(T)/2014 is cancelled

Maritime Safety Queensland (SIRF2016003157)

Cancel this notice on receipt.

Chart formerly affected - Aus 263

254(T)/2016 AUSTRALIA - QUEENSLAND - Cairns - Marlin Marina - Dredging operations*Date - Until 13 April 2016*

Maritime Safety Queensland Notice 56(T)/2016 (SIRF2016003263)

Dredging operations are in progress between H finger jetty (16° 55'.03 S 145° 46'.92 E) and F finger jetty (16° 55'.10 S 145° 46'.91 E).

The dredge has deployed anchors marked by special light buoys, Q.

Entry into the area is prohibited unless prior authorisation is given by Ports North Operations.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 262 - Aus 263

255(T)/2016 AUSTRALIA - QUEENSLAND - Fraser Island - Rooney Point - Wreck salvaged*Former Notice - 1132(T)/2014 is cancelled*

Maritime Safety Queensland (SIRF2016003157)

Cancel this notice on receipt.

Chart formerly affected - Aus 816 - Aus 817

256(T)/2016 AUSTRALIA - QUEENSLAND - Great Keppel Island - Wreck salvaged*Former Notice - 690(T)/2014 is cancelled*

Maritime Safety Queensland (SIRF2016003157)

Cancel this notice on receipt.

Chart formerly affected - Aus 247 - Aus 490 - Aus 819 - Aus 820 - AX 00367S

257(T)/2016 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Wreck salvaged*Former Notice - 463(T)/2013 is cancelled*

Maritime Safety Queensland (SIRF2016003157)

Cancel this notice on receipt.

Chart formerly affected - Aus 240 - Aus 241

258(T)/2016 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Light buoys

Maritime Safety Queensland Notice 61(T)/2016 (SIRF2016003258)

Light buoys exist as follows:

<i>Number</i>	<i>Position</i>	<i>Characteristics</i>
UC3	25° 09'.12 S 152° 50'.46 E	Fl.G.2.5s
UC1	25° 09'.10 S 152° 50'.54 E	Fl.G.2.5s
UC2	25° 08'.96 S 152° 50'.45 E	Fl.R.2.5s
S3	25° 12'.70 S 152° 54'.75 E	Fl.G.3s
NG1	25° 20'.20 S 153° 01'.40 E	Fl.G.3s

Chart temporarily affected - Aus 241 - Aus 817

259(T)/2016 AUSTRALIA - QUEENSLAND - Jacobs Channel - Light beacon restored*Former Notice - 51(T)/2015 is cancelled*

Maritime Safety Queensland Notice 55/2016 (SIRF2016003234)

Cancel this notice on receipt.

Chart formerly affected - Aus 245 - Aus 271

260(T)/2016 AUSTRALIA - QUEENSLAND - Lady Musgrave Island - Wreck salvaged*Former Notice* - 634(T)/2015 is cancelled

Maritime Safety Queensland (SIRF2016003157)

Cancel this notice on receipt.

Chart formerly affected - Aus 818 - Aus 819**261(T)/2016 AUSTRALIA - QUEENSLAND - North Keppel Island - Wreck salvaged***Former Notice* - 512(T)/2013 is cancelled

Maritime Safety Queensland (SIRF2016003157)

Cancel this notice on receipt.

Chart formerly affected - Aus 820 - AX 00820S**262(T)/2016 AUSTRALIA - QUEENSLAND - Pumicestone Channel - Ningi Creek - Wreck salvaged***Former Notice* - 1270(T)/2013 is cancelled

Maritime Safety Queensland (SIRF2016003157)

Cancel this notice on receipt.

Chart formerly affected - Aus 235 - Aus 236**263(T)/2016 AUSTRALIA - QUEENSLAND - Round Hill Head - Wreck salvaged***Former Notice* - 53(T)/2013 is cancelled

Maritime Safety Queensland (SIRF2016003157)

Cancel this notice on receipt.

Chart formerly affected - Aus 818**264(T)/2016 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Live firing***Date* - Until 30 March 2016

Maritime Safety Queensland Notice 44(T)/2016 (SIRF2016003106)

Live firing will be conducted in the Shoalwater Bay training area during the period 4 to 29 March 2016.

A marine danger area extends to all internal waters bounded by the following positions:

22° 11'.43 S 150° 31'.61 E
 22° 14'.71 S 150° 33'.30 E
 22° 16'.89 S 150° 33'.84 E
 22° 19'.04 S 150° 33'.22 E
 22° 20'.65 S 150° 32'.03 E
 22° 21'.16 S 150° 30'.27 E
 22° 19'.98 S 150° 23'.89 E
 22° 18'.34 S 150° 22'.76 E
 22° 16'.17 S 150° 22'.76 E
 22° 15'.10 S 150° 23'.40 E
 22° 13'.55 S 150° 28'.08 E
 22° 13'.01 S 150° 28'.67 E
 22° 11'.93 S 150° 29'.69 E
 22° 11'.42 S 150° 30'.45 E.

All waters, creeks, beaches and other areas within the declared marine danger area are not available for access.

There will be a safe anchorage available at Freshwater, Port Clinton, West Water Port Clinton, South Arm Port Clinton, Pearl Bay, Island Head Creek and Supply Bay Townshend Island.

Mariners are advised to keep clear of this area throughout the above times.

Chart temporarily affected - Aus 260 - Aus 261 - Aus 367 - Aus 822

265(T)/2016 AUSTRALIA - QUEENSLAND - Townsville - Wreck salvaged*Former Notice* - 232(T)/2014 is cancelled

Maritime Safety Queensland (SIRF2016003157)

Cancel this notice on receipt.

Chart formerly affected - Aus 256 - Aus 257**266(T)/2016 AUSTRALIA - QUEENSLAND - Weipa - Embley River - Hey Point to Humbug Point - Dredging operations**

Maritime Safety Queensland Notice 57(T)/2016 (SIRF2016003264)

Dredging operations are in progress in the vicinity of Hey Point (12° 43'.80 S 141° 53'.60 E) and Humbug Point Wharf (12° 40'.11 S 141° 51'.77 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 4**267(T)/2016 AUSTRALIA - QUEENSLAND - Whitsunday Island - Frith Rock - Wreck**

Maritime Safety Queensland Notice 60(T)/2016 (SIRF2016003251)

A wreck exists in position 20° 18'.92 S 149° 03'.77 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 252 - Aus 253 - Aus 824**268(T)/2016 AUSTRALIA - CORAL SEA - Mellish Reef - Cable operations westwards***Date* - Until 1 April 2016

Gulf Agency Company (Australia) (SIRF2016003266)

CS *Lodbrog* is conducting submarine cable repair works between the following positions:

17° 01'.0 S 154° 55'.0 E

17° 31'.0 S 154° 48'.0 E

17° 46'.0 S 154° 34'.0 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 4060 (INT 60) - Aus 4602 (INT 602) - Aus 4604 (INT 604) - Aus 4621 (INT 621)**269(T)/2016 PAPUA NEW GUINEA - Kitava Island - Light restored***Former Notice* - 81(T)/2016 is cancelled

National Maritime Safety Authority PNG Notice 7/2016 (SIRF2016003279)

Cancel this notice on receipt.

Chart formerly affected - Aus 515 - Aus 516 - Aus 637 - Aus 4621 (INT 621) - AX 04621S - AX 04621U**270(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Darwin - Middle Arm - Pipeline removed***Former Notice* - 892(T)/2015 is cancelled

Department of Transport NT Notice 27(T)/2016 (SIRF2016003284)

Cancel this notice on receipt.

Chart formerly affected - Aus 26 - Aus 27 - AX 00026T**271(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Muiron Islands - Mooring buoys northwestwards recovered***Former Notice* - 1388(T)/2015 is cancelled

BHP Billiton Petroleum Pty Ltd (SIRF2016003313)

Cancel this notice on receipt.

Chart formerly affected - Aus 328 - Aus 329 - Aus 744

272(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Passage Islands - Obstructions removed

Former Notice - 300(T)/2014 is cancelled

Department of Transport WA (SIRF2016003320)

Cancel this notice on receipt.

Chart formerly affected - Aus 743**273(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Pipeline**

Date - Until 1 August 2016

Pilbara Ports Authority Notice PH2(T)/2016 (SIRF2016003325)

A pipeline exists between positions 20° 18'.34 S 118° 34'.18 E and 20° 18'.36 S 118° 34'.19 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 52 - Aus 54**274(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Mooring buoys eastwards recovered**

Former Notice - 158(T)/2016 is cancelled

Viking Seatech (SIRF2016003199)

Cancel this notice on receipt.

Chart formerly affected - Aus 327**275(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - Webb Dock - Harbour works; nav aids**

Former Notice - 1334(T)/2015 is cancelled

Victorian Notices 134(T)/2015, 228(T)/2015, 56(T)/2016 (SIRF2015000179, SIRF2015001263, SIRF2015002189, SIRF2016003226)

Works are in progress to update the nav aids in the vicinity of Webb Dock.

Light buoys exist as follows:

<i>Position</i>	<i>Description</i>
37° 51'.03 S 144° 54'.50 E	<i>Fl. G. 2.5s No23</i>
37° 51'.01 S 144° 54'.52 E	<i>VQ(4)R.4s No82</i>
37° 50'.97 S 144° 54'.55 E	<i>Fl. R. 2.5s No84</i>
37° 50'.79 S 144° 54'.45 E	<i>Iso. R. 3s</i>

Light beacons, VQ(4)Y.4s, have been established in the following positions:

37° 50'.96 S 144° 54'.94 E
 37° 50'.90 S 144° 55'.05 E
 37° 51'.01 S 144° 54'.98 E
 37° 50'.95 S 144° 55'.09 E
 37° 50'.97 S 144° 54'.42 E
 37° 50'.98 S 144° 54'.47 E
 37° 50'.89 S 144° 54'.45 E

Harbour works are in progress and the berths 3E (37° 50'.60 S 144° 54'.45 E), 4E (37° 50'.73 S 144° 54'.54 E) and 5E (37° 50'.87 S 144° 54'.65 E) are temporarily unavailable for access.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154

276(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - River Yarra - Yarraville - Harbour works*Date* - Until 13 March 2016

Port of Melbourne Corporation Notice 57(T)/2016 (SIRF2016003282)

Rehabilitation works are in progress at Yarraville No6 (37° 49'.28 S 144° 54'.31 E).

The berth is closed for the duration of the works.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154**277(T)/2016 AUSTRALIA - TASMANIA - Marion Bay - Scientific instrument***Date* - Until 24 August 2016

Marine and Safety Tasmania Notice M27/2016 (SIRF2016003271)

A special light buoy, *Fl(5)Y.20s*, exists in position 42° 48'.49 S 147° 58'.43 E.**Chart temporarily affected - Aus 796 - Aus 797****278(T)/2016 AUSTRALIA - TASMANIA - River Tamar - Launceston - Kings Wharf - Dredging operations***Date* - Until 24 March 2016

Marine and Safety Tasmania Notice M26/2016 (SIRF2016003222)

Dredging operations are in progress at Kings Wharf (41° 25'.72 S 147° 07'.43 E).

A pipeline marked by special buoys and red lights exists on the eastern edge of the channel.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 168

HYDROGRAPHIC REPORTS

Nil.

NAVIGATION WARNINGS

The following radio messages have been received during the period to 25 February 2016. 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

027 Cancelled.
 028 Cancelled.
 029 Drill rig *Noble Tom Prosser* in position 20° 35'.34 S 115° 37'.64 E. 2.5M clearance requested.
 030 Drill rig *Ocean Monarch* in position 18° 54'.0 S 116° 34'.0 E. 2.5M clearance requested.
 031 Cancelled.
 032 Cancelled.
 033 Special purpose vessel *Ile De Re* conducting underwater operations in an area bounded by 40° 00'.0 S to 40° 25'.0 S and 146° 40'.0 E to 147° 00'.0 E. 2.5M clearance requested.
 034 Cancelled.

NAVAREA X WARNINGS

007 Cancelled.
 008 Cancelled.
 009 *Fugro Equator* and *Havila Harmony* conducting underwater operations in an area bounded by 35° 43'.0 S to 40° 02'.0 S and 85° 04'.0 E to 91° 59'.0 E. 25M clearance requested.
 010 Cancelled.

Navigational warnings in force as at 250001UTC FEB 16.**Auscoast**

2015 295 298 335
2016 004 012 015 016 018 019 020 029 030 033

Navarea X

2016 009

Summary of mobile drilling rigs as at 250001UTC FEB 16.

<i>Name</i>	<i>Position</i>
Stena Clyde	12° 07'.00 S 130° 26'.00 E
Ensco 5006	13° 52'.80 S 123° 19'.00 E
Jack Bates	13° 50'.80 S 123° 19'.20 E
Atwood Eagle	19° 40'.76 S 117° 21'.08 E
Modec Venture 11	19° 16'.60 S 116° 36'.70 E
Ocean Monarch	18° 54'.00 S 116° 34'.00 E
Noble Tom Prosser	20° 35'.34 S 115° 37'.64 E
Atwood Osprey	19° 54'.20 S 115° 16'.07 E
Armada Claire	20° 03'.50 S 115° 11'.50 E

NAVAREA XIV WARNINGS

011 Cancelled.
 012 Cancelled.
 013 Cancelled.
 014 Cancelled.

Navarea XIV warnings in force as at 250001UTC FEB 16.

2015 101

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 281

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 826

To accompany Australian Notice to Mariners 234/2016

MILITARY EXERCISE AREA

Military operations are conducted within the area of this chart. For area limits and details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 827

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 828

To accompany Australian Notice to Mariners 234/2016

UNEXPLODED ORDNANCE (UXO)

The area is safe for surface navigation only; it is not safe for anchoring, trawling or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 828

To accompany Australian Notice to Mariners 234/2016

REEF AND SHOAL DELIMITATION

Where the limits of reefs and shoals have not been surveyed, the limit may have been determined from another source. These delimitations are not conclusive and dangers may exist outside the charted limits. Features considered to be reef and shoal areas are depicted by national symbology. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 281

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 827

To accompany Australian Notice to Mariners 234/2016

UNEXPLODED ORDNANCE (UXO)

The area is safe for surface navigation only; it is not safe for anchoring, trawling or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 827

To accompany Australian Notice to Mariners 234/2016

MILITARY EXERCISE AREA

Military operations are conducted within the area of this chart. For area limits and details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 828

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 829

To accompany Australian Notice to Mariners 234/2016

MILITARY EXERCISE AREA

Military operations are conducted within the area of this chart. For area limits and details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 829

To accompany Australian Notice to Mariners 234/2016

UNEXPLODED ORDNANCE (UXO)

The area is safe for surface navigation only; it is not safe for anchoring, trawling or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 830

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 831

To accompany Australian Notice to Mariners 234/2016

MILITARY EXERCISE AREA

Military operations are conducted within the area of this chart. For area limits and details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 832

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 834

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 830

To accompany Australian Notice to Mariners 234/2016

MILITARY EXERCISE AREA

Military operations are conducted within the area of this chart. For area limits and details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 830

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 832

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 833

To accompany Australian Notice to Mariners 234/2016

REEF AND SHOAL DELIMITATION

Where the limits of reefs and shoals have not been surveyed, the limit may have been determined from another source. These delimitations are not conclusive and dangers may exist outside the charted limits. Features considered to be reef and shoal areas are depicted by national symbology. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 834

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 835

To accompany Australian Notice to Mariners 239/2016

TORRES STRAIT - TIDAL HEIGHTS

Tidal heights for Booby Island, Goods Island, Turtle Head, Nardana Patches and Ince Point are broadcast from Hammond Hill (Hammond Island) on VHF channel 68 and also available from a telephone answering service (07) 4069 2821. For details see Australian National Tide Tables AHP 11 and Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 292

To accompany Australian Notice to Mariners 239/2016

TORRES STRAIT - TIDAL HEIGHTS

Tidal heights for Booby Island, Goods Island, Turtle Head, Nardana Patches and Ince Point are broadcast from Hammond Hill (Hammond Island) on VHF channel 68 and also available from a telephone answering service (07) 4069 2821. For details see Australian National Tide Tables AHP 11 and Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 294

To accompany Australian Notice to Mariners 239/2016

TORRES STRAIT - TIDAL HEIGHTS

Tidal heights for Booby Island, Goods Island, Turtle Head, Nardana Patches and Ince Point are broadcast from Hammond Hill (Hammond Island) on VHF channel 68 and also available from a telephone answering service (07) 4069 2821. For details see Australian National Tide Tables AHP 11 and Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 296

To accompany Australian Notice to Mariners 234/2016

FORMER MINED AREA

All passages from seaward through the Great Barrier Reef between 11°40'S and 19°07'S have been swept and are open to surface navigation only. They are not safe for anchoring, trawling, bottoming by submarines or seabed activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 836

To accompany Australian Notice to Mariners 239/2016

TORRES STRAIT - TIDAL HEIGHTS

Tidal heights for Booby Island, Goods Island, Turtle Head, Nardana Patches and Ince Point are broadcast from Hammond Hill (Hammond Island) on VHF channel 68 and also available from a telephone answering service (07) 4069 2821. For details see Australian National Tide Tables AHP 11 and Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 293

To accompany Australian Notice to Mariners 239/2016

MILITARY EXERCISE AREA

Military operations are conducted within the area of this chart. For area limits and details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 294

To accompany Australian Notice to Mariners 239/2016

TORRES STRAIT - TIDAL HEIGHTS

Tidal heights for Booby Island, Goods Island, Turtle Head, Nardana Patches and Ince Point are broadcast from Hammond Hill (Hammond Island) on VHF channel 68 and also available from a telephone answering service (07) 4069 2821. For details see Australian National Tide Tables AHP 11 and Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 299

To accompany Australian Notice to Mariners 239/2016

TORRES STRAIT - TIDAL HEIGHTS
Tidal heights for Booby Island, Goods Island, Turtle Head, Nardana Patches and Ince Point are broadcast from Hammond Hill (Hammond Island) on VHF channel 68 and also available from a telephone answering service (07) 4069 2821. For details see Australian National Tide Tables AHP 11 and Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 301

To accompany Australian Notice to Mariners 239/2016

TORRES STRAIT - TIDAL HEIGHTS
Tidal heights for Booby Island, Goods Island, Turtle Head, Nardana Patches and Ince Point are broadcast from Hammond Hill (Hammond Island) on VHF channel 68 and also available from a telephone answering service (07) 4069 2821. For details see Australian National Tide Tables AHP 11 and Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 700

To accompany Australian Notice to Mariners 239/2016

TORRES STRAIT - TIDAL HEIGHTS
Tidal heights for Booby Island, Goods Island, Turtle Head, Nardana Patches and Ince Point are broadcast from Hammond Hill (Hammond Island) on VHF channel 68 and also available from a telephone answering service (07) 4069 2821. For details see Australian National Tide Tables AHP 11 and Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 839

To accompany Australian Notice to Mariners 239/2016

MILITARY EXERCISE AREA
Military operations are conducted within the area of this chart. For area limits and details see Seafarers Handbook for Australian Waters AHP 20.

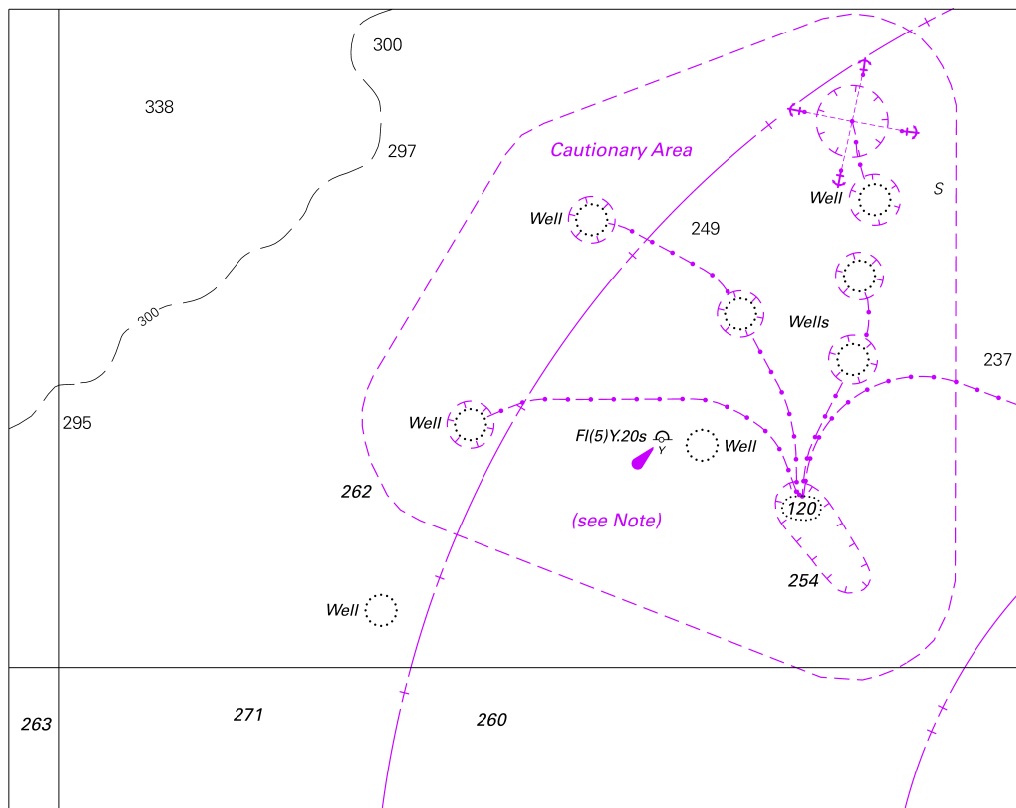
Note for chart Aus 301

To accompany Australian Notice to Mariners 239/2016

MILITARY EXERCISE AREA
Military operations are conducted within the area of this chart. For area limits and details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 700

To accompany Australian Notice to Mariners 242/2016

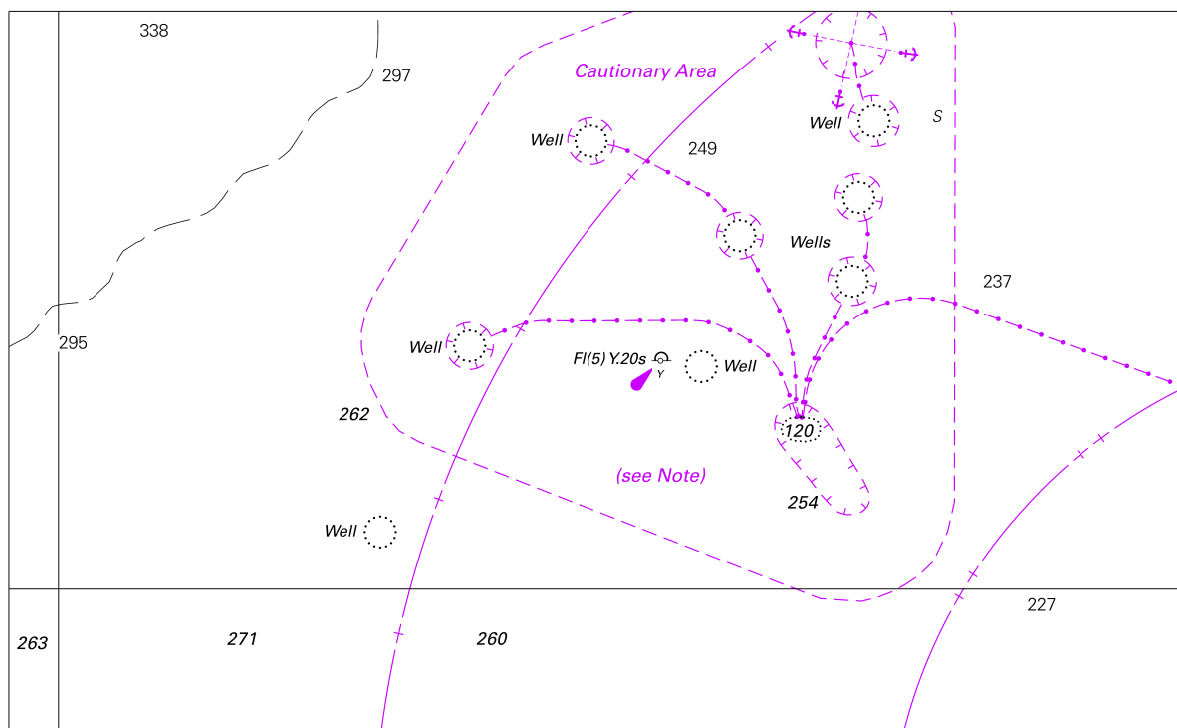


Block for Chart Aus 319

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(134.1 x 106.0mm)

To accompany Australian Notice to Mariners 242/2016



Block for Chart Aus 320

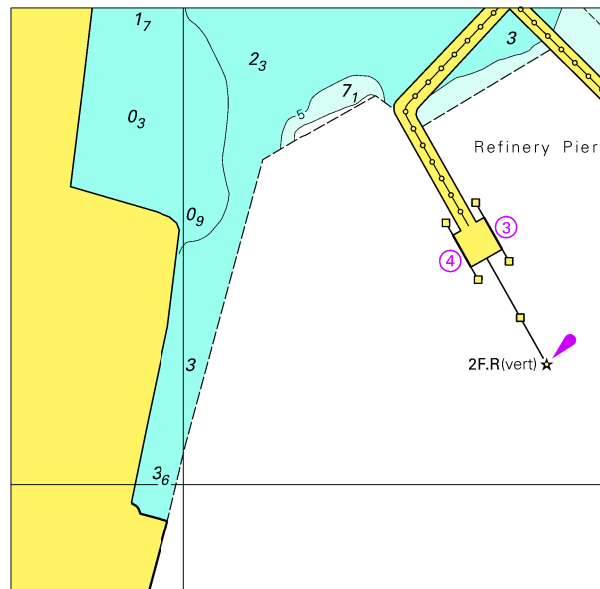
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(155.6 x 95.3mm)

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(274.4 X 47.7mm)

To accompany Australian Notice to Mariners 248/2016



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Block for Chart Aus 153

(79.2 x 77.4mm)