



23 October 2015

Edition 21

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

AUSTRALIAN NOTICES TO MARINERS

Notices 1131 - 1178



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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- 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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1131 AUSTRALIA - Products - New Charts, New Editions, Withdrawn Charts
 Australian Hydrographic Service (AA837978)

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>
Aus 59 Edition 3	Australia - North West Coast - Western Australia - Port of Dampier (Northern Sheet)	1 : 10 000	23 October 2015	New edition with updates to Parker Point Approach Channel, maintained depths and general updating throughout. Chart Aus 59 Edition 2 dated 01 Aug 2014 is now superseded and must be withdrawn from use.
Aus 834 Edition 7	Australia - East Coast - Queensland - Claremont Isles to Cape Weymouth	1 : 150 000	23 October 2015	New edition incorporating new bathymetric data and general updating throughout. Chart Aus 834 Edition 6 dated 21 Nov 2014 is now superseded and must be withdrawn from use.
Aus 836 Edition 3	Australia - East Coast - Queensland - Cape Weymouth to Olinda Entrance	1 : 150 000	23 October 2015	New edition incorporating new bathymetric data and general updating throughout. Chart Aus 836 Edition 2 dated 3 Mar 2006 is now superseded and must be withdrawn from use.
Aus 837 Edition 5	Australia - East Coast - Queensland - Olinda Entrance to Meer Island	1 : 150 000	23 October 2015	New edition incorporating new bathymetric data and general updating throughout. Chart Aus 837 Edition 4 dated 24 Feb 2012 is now superseded and must be withdrawn from use.
Aus 839 Edition 9	Australia - East Coast - Queensland - Cairncross Islets to Arden Island	1 : 150 000	23 October 2015	New edition incorporating new bathymetric data and general updating throughout. Chart Aus 839 Edition 8 dated 8 May 2015 is now superseded and must be withdrawn from use.

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
 23 October 2015

1131 AUSTRALIA - Products - New Charts, New Editions, Withdrawn Charts
edition.

1132 AUSTRALIA - Products - New Charts and New Editions to be published shortly
Australian Hydrographic Service

New Charts to be published shortly

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

New Editions to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>	<i>Expected Publication Date</i>	<i>Remarks</i>
Aus 18 <i>Edition 2</i>	Australia - North Coast - Northern Territory - Port Essington	1:75 000	6 November 2015	New edition incorporating new bathymetric data, topography and general updating throughout.
Aus 111 <i>Edition 8</i>	Australia - West Coast - Western Australia - Careening Bay and Approaches	1:7 500	6 November 2015	New edition incorporating new anchorages and general updating throughout.
Aus 114 <i>Edition 4</i>	Australia - West Coast - Western Australia - Kwinana Inset: Kwinana Grain Jetty	1:12 500	6 November 2015	New edition incorporating new anchorages and general updating throughout.
Aus 117 <i>Edition 6</i>	Australia - West Coast - Western Australia - Gage Roads and Cockburn Sound	1:25 000	6 November 2015	New edition incorporating new anchorages and general updating throughout.
Aus 251 <i>Edition 4</i>	Australia - East Coast - Queensland - Bailey Islet to Repulse Islands	1:75 000	6 November 2015	New edition incorporating new bathymetric data and general updating throughout.
Aus 601 <i>Edition 4</i>	Australian Antarctic Territory - Wilkes Island - Approaches to Casey Plan: Newcomb Bay	1:50 000 1:12 500	6 November 2015	New edition incorporating new bathymetric data and general updating throughout.

1133 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.

1134 AUSTRALIA - Product - Amendment to Australian National Tide Tables 2015

Australian Hydrographic Service (AA838202)

ANTT 2015

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Substitute accompanying Page

Page 308

Amend TIME ZONE for Norfolk Island (Port No 57700) to TZ -1100
MEAN TIME DIFFERENCE for Lord Howe Island (Port No 57720) to +0040

Page 346

Amend Time Zone related to UT for Norfolk Island (Port No 57700) to -1100**1135* AUSTRALIA - NEW SOUTH WALES - Dee Why Head - Light buoy**

Manly Hydraulics Laboratory (SIRF2015001456)

Aus 197 [772/2015]

Move	light buoy	33° 45'.85 S	151° 24'.73 E
	to	33° 46'.43 S	151° 24'.70 E

Aus 809 [772/2015]

Move	light buoy	33° 45'.85 S	151° 24'.73 E
	to	33° 46'.43 S	151° 24'.70 E

AX 00809S [772/2015]

Move	light buoy	33° 45'.85 S	151° 24'.73 E
	to	33° 46'.43 S	151° 24'.70 E

1136* AUSTRALIA - NEW SOUTH WALES - Port Jackson - Millers Point - Light buoys

Lend Lease (SIRF2015000754, SIRF2015001341)

Aus 202 [861/2015]

Insert	port lateral cylindrical light buoy, <i>Fl.R.3s</i> , without topmark	33° 51'.431 S	151° 12'.004 E
	west cardinal cylindrical light buoy, <i>Q(9)15s</i> , with topmark	33° 51'.519 S	151° 12'.014 E
	west cardinal cylindrical light buoy, <i>Q(9)15s</i> , with topmark	33° 51'.576 S	151° 12'.020 E
	special cylindrical light buoy, <i>Fl.Y.4s</i> , without topmark	33° 51'.555 S	151° 12'.018 E

Delete	light buoy	33° 51'.63 S	151° 12'.01 E
	light buoy	33° 51'.31 S	151° 12'.10 E
	light buoy	33° 51'.34 S	151° 12'.02 E
	light buoy	33° 51'.32 S	151° 12'.05 E

AX 00202T [861/2015]

Insert	port lateral cylindrical light buoy, <i>Fl.R.3s</i> , without topmark	33° 51'.431 S	151° 12'.004 E
	west cardinal cylindrical light buoy, <i>Q(9)15s</i> , with topmark	33° 51'.519 S	151° 12'.014 E
	west cardinal cylindrical light buoy, <i>Q(9)15s</i> , with topmark	33° 51'.576 S	151° 12'.020 E
	special cylindrical light buoy, <i>Fl.Y.4s</i> , without topmark	33° 51'.555 S	151° 12'.018 E

Delete	light buoy	33° 51'.63 S	151° 12'.01 E
	light buoy	33° 51'.31 S	151° 12'.10 E
	light buoy	33° 51'.34 S	151° 12'.02 E
	light buoy	33° 51'.32 S	151° 12'.05 E

1137* AUSTRALIA - QUEENSLAND - Carlisle Island to Gould Shoal - Depths
UKHO (SIRF2015001430)

Aus 249 [862/2015]

Insert	accompanying block	21° 02'.00 S	149° 21'.00 E
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Aus 824 [1103/2015]

Insert	depth, 29 ₈ m, enclosed by contour	20° 46'.47 S	149° 19'.99 E
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AX 00249S [862/2015]

Insert	accompanying block	21° 02'.00 S	149° 21'.00 E
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1138* AUSTRALIA - QUEENSLAND - Gladstone - Auckland Channel - Light buoy
Maritime Safety Queensland Notice 305/2015 (SIRF2015001512)

Aus 244 [1101/2015]

Substitute	starboard lateral pillar light buoy, <i>Fl.G.4s</i> , with topmark, for light beacon	23° 49'.98 S	151° 16'.57 E
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Aus 245 [1101/2015]

Substitute	starboard lateral pillar light buoy, <i>Fl.G.4s</i> , with topmark, for light beacon	23° 49'.98 S	151° 16'.57 E
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1139* AUSTRALIA - QUEENSLAND - Gold Coast Seaway - Light buoy
Maritime Safety Queensland Notice 301/2015 (SIRF2015001474)

Aus 230 [1102/2015]

Insert	east cardinal cylindrical light buoy, <i>Fl(3)8s</i> , with topmark	27° 56'.181 S	153° 25'.324 E
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Delete	light buoy	27° 56'.18 S	153° 25'.31 E
	depth, 3 ₂ m	27° 56'.19 S	153° 25'.34 E

1140* AUSTRALIA - QUEENSLAND - Prince of Wales Island - Chart limits
UKHO (SIRF2015001404)

Aus 700 [723/2015]

Delete	magenta limits, with legend Aus 292, centred on	10° 40'.0 S	142° 15'.0 E
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1141* AUSTRALIA - CORAL SEA - Herald Cays - Chart note
UKHO (SIRF2015001405)

Aus 616 (plan, Herald Cays) [1250/2013]

Insert	green legend, <i>ENVIRONMENTALLY SENSITIVE SEA AREA ESSA (see Note)</i> centred on	16° 53'.91 S	149° 07'.74 E
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Substitute	accompanying chart note	17° 05'.817 S	149° 07'.577 E
	green legend, <i>ENVIRONMENTALLY SENSITIVE SEA AREA ESSA (see Note)</i> , for legend MARINE PROTECTED AREA (see Note)	17° 05'.9 S	149° 12'.5 E

Delete	legend, MARINE PROTECTED AREA (see Note)	16° 54'.4 S	149° 07'.4 E
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Aus 616 (plan, North East Cay Anchorage) [1250/2013]

Insert	green legend, <i>ENVIRONMENTALLY SENSITIVE SEA AREA ESSA (see Note)</i> centred on	16° 55'.781 S	149° 10'.791 E
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1142* PAPUA NEW GUINEA - Lae - Infrastructure; depthsHMNZS *Wellington* (SIRF2015000991), Aquamap Pty Ltd (AA802478), R Pearce (SIRF2015001623)**Aus 643 [564/2014]**

Insert	accompanying block	6° 44'.6 S	146° 59'.1 E
	accompanying ZOC	7° 00'.0 S	146° 55'.3 E

Aus 643 (plan, Port of Lae) [564/2014]

Insert	accompanying block	6° 44'.6 S	146° 59'.1 E
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Substitute	depth, 2m, for drying height 2m	6° 44'.52 S	147° 00'.13 E
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1143* AUSTRALIA - TORRES STRAIT - Tuesday Islets - DepthsHMAS *Paluma* (DHDB 2690392)**Aus 293 [989/2015]**

Insert	accompanying block	10° 32'.32 S	142° 20'.23 E
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1144* AUSTRALIA - NORTHERN TERRITORY - Darwin - Cox Peninsula - Radio towers

Department of Transport NT (SIRF2015001476)

Aus 26 [1048/2015]

Delete	radio tower with legend (R Lts)	12° 28'.30 S	130° 44'.80 E
	radio tower with legend (R Lts)	12° 28'.73 S	130° 44'.46 E
	radio tower	12° 28'.67 S	130° 44'.50 E

Aus 309 [NE 25/9/2015]

Delete	mast, with legend Masts	12° 28'.7 S	130° 44'.5 E
	mast	12° 28'.5 S	130° 44'.6 E

Aus 722 [724/2015]

Delete	radio tower	12° 28'.7 S	130° 44'.5 E
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AX 00026T [1048/2015]

Delete	radio tower with legend (R Lts)	12° 28'.30 S	130° 44'.80 E
	radio tower with legend (R Lts)	12° 28'.73 S	130° 44'.46 E
	radio tower	12° 28'.7 S	130° 44'.5 E

AX 00309S [NE 3/7/2015]

Delete	mast, with legend Masts	12° 28'.7 S	130° 44'.5 E
	mast	12° 28'.5 S	130° 44'.6 E

AX 00309T [724/2015]

Delete	mast, with legend Masts	12° 28'.7 S	130° 44'.5 E
	mast	12° 28'.5 S	130° 44'.6 E

AX 00309U [167/2015]

Delete	mast, with legend Masts	12° 28'.7 S	130° 44'.5 E
	mast	12° 28'.5 S	130° 44'.6 E

AX 00722T [724/2015]

Delete	radio tower	12° 28'.7 S	130° 44'.5 E
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1145* AUSTRALIA - NORTHERN TERRITORY - Shepparton Shoal - Depths southwards
 UKHO (SIRF2015001416), HMAS Mermaid (DHDB 2952338)

Aus 309 [1144/2015]

Insert	legend, <i>ED</i>	12° 18'.46 S	129° 59'.07 E
	legend, <i>ED</i>	12° 11'.38 S	129° 49'.56 E
	legend, <i>ED</i>	12° 26'.51 S	129° 20'.55 E

Move	depth, $15_s m$, and enclosing contour	12° 16'.21 S	129° 29'.51 E
	to	12° 16'.37 S	129° 29'.22 E

Aus 316 [NE 25/9/2015]

Insert	upright depth, $27_4 m$, enclosed by broken contour, with legend <i>ED</i>	12° 18'.46 S	129° 58'.32 E
	legend, <i>ED</i>	12° 26'.51 S	129° 20'.55 E

Move	depth, $15_s m$, and enclosing contour	12° 16'.21 S	129° 29'.51 E
	to	12° 16'.37 S	129° 29'.22 E

Aus 722 [1144/2015]

Insert	legend, <i>ED</i>	12° 18'.46 S	129° 59'.07 E
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AX 00309S [1144/2015]

Insert	legend, <i>ED</i>	12° 18'.46 S	129° 59'.07 E
	legend, <i>ED</i>	12° 11'.38 S	129° 49'.56 E
	legend, <i>ED</i>	12° 26'.51 S	129° 20'.55 E

Move	depth, $15_s m$, and enclosing contour	12° 16'.21 S	129° 29'.51 E
	to	12° 16'.37 S	129° 29'.22 E

AX 00309T [1144/2015]

Insert	legend, <i>ED</i>	12° 18'.46 S	129° 59'.07 E
	legend, <i>ED</i>	12° 11'.38 S	129° 49'.56 E
	legend, <i>ED</i>	12° 26'.51 S	129° 20'.55 E

Move	depth, $15_s m$, and enclosing contour	12° 16'.21 S	129° 29'.51 E
	to	12° 16'.37 S	129° 29'.22 E

AX 00309U [1144/2015]

Insert	legend, <i>ED</i>	12° 18'.46 S	129° 59'.07 E
	legend, <i>ED</i>	12° 11'.38 S	129° 49'.56 E
	legend, <i>ED</i>	12° 26'.51 S	129° 20'.55 E

Move	depth, $15_s m$, and enclosing contour	12° 16'.21 S	129° 29'.51 E
	to	12° 16'.37 S	129° 29'.22 E

AX 00316S [NE 22/5/2015]

Insert	upright depth, $27_4 m$, enclosed by broken contour, with legend <i>ED</i>	12° 18'.46 S	129° 58'.32 E
	legend, <i>ED</i>	12° 26'.51 S	129° 20'.55 E

Move	depth, $15_s m$, and enclosing contour	12° 16'.21 S	129° 29'.51 E
	to	12° 16'.37 S	129° 29'.22 E

AX 00722T [1144/2015]

Insert	legend, <i>ED</i>	12° 18'.46 S	129° 59'.07 E
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1146* AUSTRALIA - WESTERN AUSTRALIA - Dampier - Maintained depths
Pilbara Ports Authority (SIRF2015001267)

Aus 57 [831/2015]			
Insert	accompanying block	20° 36'.36 S	116° 41'.96 E
Aus 58 [994/2015]			
Insert	accompanying block	20° 36'.55 S	116° 43'.22 E
	dashed line, between	20° 37'.395 S	116° 41'.442 E
		20° 37'.396 S	116° 41'.316 E
Amend	maintained depth to 15.3m	20° 37'.73 S	116° 41'.76 E
	maintained depth to 15.6m	20° 33'.01 S	116° 42'.12 E
Aus 60 [NE 1/8/2014]			
Insert	accompanying block A	20° 37'.90 S	116° 43'.75 E
	accompanying block B	20° 37'.10 S	116° 43'.75 E
	dashed line, between	20° 37'.395 S	116° 41'.442 E
		20° 37'.396 S	116° 41'.316 E
Amend	maintained depth to 15.3m	20° 37'.73 S	116° 41'.76 E
	maintained depth to 15.3m	20° 38'.17 S	116° 42'.83 E
	maintained depth to 15.6m	20° 36'.77 S	116° 41'.50 E

1147* AUSTRALIA - WESTERN AUSTRALIA - Direction Island - Depth
AMSA (SIRF2015001594)

Aus 64 [1053/2015]			
Insert	upright depth, 2 ₂ m, enclosed by broken contour with legend <i>Rep</i> (2015)	21° 32'.70 S	115° 09'.20 E
Aus 743 [1053/2015]			
Insert	upright depth, 2 ₂ m, enclosed by broken contour with legend <i>Rep</i> (2015)	21° 32'.70 S	115° 09'.20 E
Delete	depth, 5 ₈ m	21° 32'.7 S	115° 09'.3 E

1148* AUSTRALIA - WESTERN AUSTRALIA - King George Sound - Depths
Surrich Hydrographic (SIRF2015000196)

Aus 109 [1105/2015]			
Insert	accompanying block	35° 02'.50 S	117° 56'.50 E
	accompanying ZOC	35° 05'.00 S	117° 51'.40 E
Aus 110 [345/2015]			
Insert	accompanying block	35° 02'.5 S	117° 56'.5 E
Aus 118 [733/2015]			
Insert	depth, 9 ₄ m, enclosed by contour	35° 02'.55 S	117° 56'.29 E
Delete	depth, 10 ₂ m	35° 02'.5 S	117° 56'.6 E
Aus 759 [733/2015]			
Insert	depth, 9 ₄ m, enclosed by contour	35° 02'.55 S	117° 56'.29 E
AX 00110S [345/2015]			
Insert	accompanying block	35° 02'.5 S	117° 56'.5 E
AX 00118S [733/2015]			
Insert	depth, 9 ₄ m, enclosed by contour	35° 02'.55 S	117° 56'.29 E
Delete	depth, 10 ₂ m	35° 02'.5 S	117° 56'.6 E

1149* AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - South West Creek - Light buoys
Pilbara Ports Authority (SIRF2015001461)

Aus 54 [1052/2015]

Insert	special conical light buoy, Q.Y. with topmark	20° 19'.862 S	118° 33'.868 E
	special conical light buoy, Q.Y. with topmark	20° 19'.904 S	118° 33'.934 E

1150* AUSTRALIA - SOUTH AUSTRALIA - Kangaroo Island - Depths southwards
Australian Hydrographic Service (AA550012)

Aus 347 [474/2015]

Insert	depth 46m enclosed by contour	36° 46'.72 S	138° 29'.39 E
	depth 47m enclosed by contour	36° 49'.53 S	138° 24'.88 E
	depth 44m enclosed by contour	36° 47'.83 S	138° 23'.01 E

AX 00347S [NE 3/7/2015]

Insert	depth 46m enclosed by contour	36° 46'.72 S	138° 29'.39 E
	depth 47m enclosed by contour	36° 49'.53 S	138° 24'.88 E
	depth 44m enclosed by contour	36° 47'.83 S	138° 23'.01 E

1151* AUSTRALIA - VICTORIA - Port Phillip - Point Nepean to Point Cook - Depths
Port of Melbourne Corporation (DHDB 2942926)

Aus 143 [1056/2015]

Insert	depth, 15,m	37° 57'.77 S	144° 52'.85 E
	contour between	38° 17'.57 S	144° 39'.06 E
		38° 17'.52 S	144° 39'.13 E
		38° 17'.57 S	144° 39'.12 E

Delete	depth, 10m, and enclosing contour	37° 55'.7 S	144° 50'.4 E
	depth, 10m, and enclosing contour	37° 56'.7 S	144° 49'.7 E
	depth, 14 ₆ m, and enclosing contour	37° 57'.7 S	144° 52'.6 E
	contour between	38° 17'.6 S	144° 39'.1 E
		38° 17'.6 S	144° 39'.1 E

Aus 144 [622/2015]

Substitute	depth, 14 ₉ m, for depth, 16 ₄ m, and extend contour N to enclose	38° 17'.53 S	144° 39'.13 E
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Aus 155 [1057/2015]

Insert	depth, 15,m	37° 57'.767 S	144° 52'.854 E
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Delete	depth, 10m, and enclosing contour	37° 55'.71 S	144° 50'.40 E
	depth, 10m, and enclosing contour	37° 56'.72 S	144° 49'.65 E
	depth, 14 ₆ m, and enclosing contour	37° 57'.71 S	144° 52'.56 E
	depth, 15 ₈ m	37° 57'.95 S	144° 52'.81 E

Aus 158 [835/2015]

Insert	contour between	38° 17'.571 S	144° 39'.058 E
		38° 17'.518 S	144° 39'.133 E
		38° 17'.571 S	144° 39'.117 E

Delete	contour between	38° 17'.57 S	144° 39'.06 E
		38° 17'.57 S	144° 39'.12 E

1152* AUSTRALIA - VICTORIA - Port Phillip - Weeroona Bay - Light sectors
Port of Melbourne Corporation (SIRF2015001480)

Aus 144 [1151/2015]

Amend	legend to G	38° 18'.85 S	144° 42'.67 E
	legend to R	38° 18'.97 S	144° 43'.09 E

1153* AUSTRALIA - VICTORIA - Port Phillip - Corio Bay - Light beacon

Victorian Notice 189/2015 (SIRF2015001337)

Aus 153 [NE 17/7/2015]

Delete light beacon

38° 05'.54 S 144° 23'.11 E

Aus 157 [1001/2015]

Delete light beacon

38° 05'.54 S 144° 23'.11 E

1154* AUSTRALIA - TASMANIA - Hobart - ZOC Diagram

Hobart Ports Corporation (DHDB 352548)

Aus 171 [1111/2015]

Insert accompanying ZOC

42° 56'.20 S 147° 17'.40 E

Aus 172 [1060/2015]

Insert accompanying ZOC

42° 51'.23 S 147° 18'.36 E

1155(T)/2015 AUSTRALIA - QUEENSLAND - Hay Point - Obstruction

Maritime Safety Queensland Notice 314(T)/2015 (SIRF2015001572)

An obstruction exists in position 21° 13'.59 S 149° 27'.37 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 249 - Aus 823 - AX 00249S - AX 00823S

1156(T)/2015 AUSTRALIA - QUEENSLAND - Lindeman Island - Scientific instrument

Date - Until 20 December 2015

Maritime Safety Queensland Notice 307(T)/2015 (SIRF2015001516)

A scientific instrument marked by a special light buoy, *Fl. Y. 3s*, exists on the seabed in position 20° 27'.79 S 149° 02'.29 E.

Chart temporarily affected - Aus 252 - Aus 254

1157(T)/2015 AUSTRALIA - QUEENSLAND - Moreton Bay - North West Channel - Shoaling

Former Notice - 1116(T)/2015 is cancelled

Maritime Safety Queensland Notice 308(T)/2015 (SIRF2015001517)

Shoaling with a least depth of *14.9m*, exists between positions 26° 53'.72 S 153° 10'.60 E and 26° 56'.36 S 153° 12'.51.

Chart temporarily affected - Aus 235

1158(T)/2015 AUSTRALIA - QUEENSLAND - Moreton Bay - Caloundra to Mud Island - AIS trial

Former Notice - 428(T)/2015 is cancelled

Maritime Safety Queensland Notice 315(T)/2015 (SIRF2015001584)

Virtual and physical AIS units exist as follows:

<i>Position</i>	<i>Remarks</i>	<i>Type</i>
26° 48'.72 S 153° 10'.62 E	Safe water mark	Physical
26° 49'.84 S 153° 08'.97 E	Special mark	Physical
27° 03'.47 S 153° 17'.88 E	Starboard lateral mark	Virtual
27° 05'.88 S 153° 19'.37 E	Port lateral mark	Virtual
27° 17'.43 S 153° 13'.38 E	Safe water mark	Virtual

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

1159(T)/2015 AUSTRALIA - QUEENSLAND - Moreton Bay - Brisbane River - Depth information revoked

Former Notice - 956(T)/2015 is cancelled

Australian Hydrographic Service (AA350099)

Cancel this notice on receipt.

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

1160(T)/2015 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Live firing*Former Notice* - 1067(T)/2015 is cancelled*Date* - Until 26 November 2015

Maritime Safety Queensland Notice 304(T)/2015 (SIRF2015001488)

Live firing will be conducted in the Shoalwater Bay training area during the period 12 October to 26 November 2015.

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

22° 14'.76 S 150° 20'.31 E
 22° 12'.85 S 150° 25'.00 E
 22° 09'.00 S 150° 25'.00 E
 22° 09'.00 S 150° 37'.00 E
 22° 14'.38 S 150° 37'.00 E
 22° 16'.90 S 150° 38'.10 E
 22° 18'.98 S 150° 33'.98 E
 22° 37'.35 S 150° 43'.83 E
 22° 40'.00 S 150° 38'.00 E
 22° 35'.87 S 150° 28'.80 E
 22° 24'.75 S 150° 17'.35 E
 22° 14'.76 S 150° 20'.31 E.

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

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

Chart temporarily affected - Aus 248 - Aus 260 - Aus 261 - Aus 367 - Aus 820 - Aus 822 - AX 00248L - AX 00260S - AX 00260T - AX 00261L - AX 00367S - AX 00820S - AX 00822S**1161(T)/2015 AUSTRALIA - CORAL SEA - Saumarez Reefs - Live firing***Date* - Until 14 November 2015

Evans Head Air Weapons Range (SIRF2015001541)

Military exercise area R725 and an arc of 50M radius, centred on 21° 52'.26 S 153° 39'.48 E, commencing at 135° through to 315° will be activated for air to surface weapon firing from 4 to 13 November 2015.

Chart temporarily affected - Aus 490 - Aus 612 - AX 00490S**1162(T)/2015 PAPUA NEW GUINEA - Nesup Island to Massmass Island - Light beacons restored***Former Notice* - 1027(T)/2015 is cancelled

National Maritime Safety Authority PNG Notices 29/15 and 31/15 (SIRF2015001424, SIRF2015001551)

Cancel this notice on receipt.

Chart formerly affected - Aus 386 - Aus 387 - Aus 673**1163(T)/2015 AUSTRALIA - NORTHERN TERRITORY - Darwin - Dredging***Date* - Until 20 November 2015

Northern Territory Government Notice 126(T)/2015 (SIRF2015001599)

Dredging operations are in progress in Darwin Naval Base (12° 27'.67 S 130° 49'.37 E).

A floating pipeline marked by special buoys, Q.Y, exists.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 24 - Aus 26 - AX 00026T**1164(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Ashburton Road - Parkes Reef - Scientific instrument recovered***Former Notice* - 504(T)/2014 is cancelled

Department of Transport WA (SIRF2015001408)

Cancel this notice on receipt.

Chart formerly affected - Aus 743 - Aus 744

1165(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Drill rig northwards*Former Notice - 752(T)/2015 is cancelled*MODU *Jack Bates* (SIRF2015001391), AMSA (SIRF2015001467)Drill rig *Jack Bates* is conducting drilling operations in position 13° 54'.28 S 123° 09'.87 E.**Chart temporarily affected - Aus 319 - Aus 320 - Aus 322 - Aus 4721 (INT 721) - Aus 4722 (INT 722) - AX 00319S - AX 00319U - AX 00320S - AX 00322U - AX 04721U - AX 04722U****1166(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Pipeline operations northwards***Former Notice - 1031(T)/2014 is cancelled**Date - Until 30 June 2016*

Wilhelmsen Ships Service Pty Ltd (SIRF2015001629)

DCV *Aegir* and support vessels *Pacific Rover*, *Pacific Responder* and *Pacific Viper* are conducting pipeline installation works in the vicinity of position 13° 49'.25 S 123° 15'.27 E. A 2M radius clearance is requested around DCV *Aegir*.Two lit mooring buoys, *Fl.Y.5s*, exist in positions 14° 01'.19 S 123° 16'.11 E and 14° 01'.19 S 123° 17'.22 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 319 - Aus 320 - AX 00319S - AX 00319U - AX 00320S**1167(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Depth information revoked***Former Notice - 796(T)/2015 is cancelled*

Australian Hydrographic Service (AA350099)

Cancel this notice on receipt.

Chart formerly affected - Aus 57 - Aus 58 - Aus 59 - Aus 60**1168(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Mooring buoys recovered***Former Notice - 900(T)/2015 is cancelled*

Viking Seatech (SIRF2015001447), AMSA (SIRF2015001448)

Cancel this notice on receipt.

Chart formerly affected - Aus 328**1169(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Scott Reef - Drilling operations***Date - Until 1 December 2015*

Woodside Energy Ltd (SIRF2015001477)

MV *Jaya Vigilant* is conducting drilling operations in an area bounded by the following positions:

13° 49'.92 S 122° 10'.08 E

13° 54'.92 S 122° 10'.08 E

14° 39'.92 S 121° 45'.08 E

14° 44'.92 S 121° 40'.08 E

14° 44'.92 S 121° 35'.08 E

14° 34'.92 S 121° 25'.08 E

14° 29'.92 S 121° 25'.08 E

13° 54'.92 S 121° 54'.78 E

13° 49'.92 S 121° 55'.08 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 43 - Aus 322 - Aus 4722 (INT 722) - AX 00322U - AX 04722U

1170(T)/2015 AUSTRALIA - SOUTH AUSTRALIA - North Haven - Shoaling removed

Former Notice - 1201(T)/2014 is cancelled
 Australian Hydrographic Service (AA838229)

Cancel this notice on receipt.

Chart formerly affected - Aus 137

1171(T)/2015 AUSTRALIA - VICTORIA - Ninety Mile Beach - Drill rig

MODU *West Teleso* (SIRF2015001606), AMSA (SIRF2015001597)

Drill rig *West Teleso* is conducting drilling operations in position 38° 09'.71 S 147° 33'.99 E.

Chart temporarily affected - Aus 357 - AX 00357S

1172(T)/2015 AUSTRALIA - VICTORIA - Port Phillip - The Rip - Survey operations completed

Former Notice - 982(T)/2015 is cancelled
 Victorian Notice 193/2015 (SIRF2015001475)

Cancel this notice on receipt.

Chart formerly affected - Aus 143 - Aus 144 - Aus 158

1173(T)/2015 AUSTRALIA - VICTORIA - Port Phillip - Corio Bay - Dredging; light buoy

Former Notice - 1035(T)/2015 is cancelled
 Victorian Notices 166(T)/2015, 189(T)/2015 (SIRF2015000766, SIRF2015001337)

The dredge *Machiavelli* with support vessels will be conducting dredging operations in Corio Channel in the vicinity of position 38° 05'.42 S 144° 23'.05 E.

Vessels will display appropriate lights and shapes and monitor VHF Ch 12.

A port lateral light buoy, *Iso.R.3s*, exists in position 38° 05'.53 S 144° 23'.15 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 143 - Aus 153 - Aus 157

1174(T)/2015 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - Webb Dock - Harbour works

Former Notice - 981(T)/2015 is cancelled
Date - Until 30 May 2016
 Port of Melbourne Corporation Notice 159(T)/2015, 163(T)/2015, 194(T)/2015 (SIRF2015000564, SIRF2015000624, SIRF2015001540)

Vessels *Go Lesath* and *DPU 4* are conducting demolition works, including diving operations in an area bounded by the following positions:

37° 50'.63 S 144° 54'.28 E
 37° 50'.66 S 144° 54'.33 E
 37° 50'.64 S 144° 54'.35 E
 37° 50'.71 S 144° 54'.41 E
 37° 50'.92 S 144° 54'.54 E
 37° 50'.95 S 144° 54'.43 E.

A silt curtain marked by special light buoys, Q.Y, exists between the following positions:

37° 50'.63 S 144° 54'.28 E
 37° 50'.66 S 144° 54'.33 E
 37° 50'.75 S 144° 54'.38 E
 37° 50'.90 S 144° 54'.43 E.

A west cardinal light buoy, *VQ(9)10s*, has been established in position 37° 50'.70 S 144° 54'.50 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154

1175(T)/2015 AUSTRALIA - TASMANIA - Devonport - Shoaling removed

Former Notice - 1205(T)/2014 is cancelled

HydroSurvey Australia (DHDB 2931201)

Cancel this notice on receipt.

Chart formerly affected - Aus 164**1176(T)/2015 AUSTRALIA - TASMANIA - Georges Bay - Buoy off station**

Marine and Safety Tasmania Notice 133/15 (SIRF2015001458)

The buoy (41° 16'.24 S 148° 20'.07 E) is off station.

Chart temporarily affected - Aus 169**1177(T)/2015 AUSTRALIA - TASMANIA - Little Dog Island - Light beacon unlit**

Maritime and Safety Tasmania Notice 141/2015 (SIRF2015001611)

The light beacon, *Fl.R.3s.4m 2M* (40° 15'.17 S 148° 13'.35 E), is unlit.

Chart temporarily affected - Aus 179**1178(T)/2015 AUSTRALIA - TASMANIA - Port of Hobart - River Derwent - Harbour works**

Date - Until 25 May 2016

MAST Notice 137/2015 (SIRF2015001556)

Harbour works associated with Tasman Bridge (42° 51'.90 S 147° 20'.62 E) will be conducted between 14 September 2015 and 24 May 2016.

Individual bridge spans will be closed to all vessels as follows;

<i>Span</i>	<i>Start</i>	<i>Finish</i>
MV5	14/09/2015	18/09/2015
MV6	18/09/2015	28/09/2015
MV7	28/09/2015	09/10/2015
MV8	09/10/2015	22/10/2015
MV9	22/10/2015	10/11/2015
MV10	10/11/2015	19/11/2015
MV11	19/11/2015	04/12/2015
MV12	04/12/2015	16/12/2015

Each span will have two lines of unlit special spherical buoys strung across them while undergoing maintenance.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 171 - Aus 172

HYDROGRAPHIC REPORTS

<i>Locality</i>	<i>Report</i>	<i>Ship/Authority</i>	<i>Observer</i>
PAPUA NEW GUINEA- Lae	Wreck		R Pearce

NAVIGATION WARNINGS

The following radio messages have been received during the period to 23 October 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

263 Cancelled.
 264 Cancelled.
 265 Cancelled.
 266 Cancelled.
 267 Drill rig *Jack Bates* in position 13° 54'.28 S 123° 09'.87 E. 2.5M clearance requested.
 268 Cancelled.
 269 Cancelled.
 270 Special purpose vessel *BGP Explorer* is conducting seismic survey towing 5M cable in an area bounded by 25° 38'.42 S 110° 25'.51 E and 29° 01'.31 S 113° 58'.47 E. 6M clearance requested.
 271 Cancelled.
 272 Cancelled.
 273 Cancelled.
 274 Cancelled.
 275 Cancelled.
 276 Cancelled.
 277 Cancelled.
 278 Uncharted shoal 2.2m in position 21° 32'.70 S 115° 09'.20 E.
 279 Corny Point light K1996 in position 34° 53'.80 S 137° 00'.63 E red sector unreliable.
 280 Exmouth DGPS station ALRS Vol 2 in position 21° 53'.06 S 114° 08'.04 E inoperative.

NAVAREA X WARNINGS

076 Warnings in force.

Navigational warnings in force as at 230001UTC OCT 15.

Auscoast

2015 178 211 227 228 235 250 254 255 259 262 267 270 278 279 280

Navarea X

2015 070 076

Summary of mobile drilling rigs as at 230001UTC OCT 15.

<i>Name</i>	<i>Position</i>
Armada Claire	20° 03'.50 S 115° 11'.50 E
Atwood Eagle	19° 54'.80 S 115° 07'.90 E
Atwood Falcon	21° 31'.70 S 114° 06'.10 E
Atwood Osprey	19° 56'.40 S 115° 19'.30 E
Ensco 5006	13° 50'.80 S 123° 19'.20 E
Jack Bates	13° 54'.30 S 123° 09'.90 E
Modoc Venture 11	19° 16'.60 S 116° 36'.70 E
Noble Clyde Boudreaux	13° 49'.00 S 123° 19'.40 E
Noble Tom Prosser	20° 08'.20 S 116° 25'.40 E
Ocean Monarch	20° 01'.80 S 115° 12'.10 E
Stena Clyde	12° 07'.00 S 130° 26'.00 E

NAVAREA XIV WARNINGS

NIL

Navarea XIV warnings in force as at 230001UTC OCT 15.

2015 NIL

To accompany Australian Notice to Mariners 1141/2015

ENVIRONMENTALLY SENSITIVE
SEA AREA (ESSA)

Areas of this chart are Environmentally Sensitive Sea Areas (ESSA). Areas within this marine protected area have restrictions on access and activities. For details see Seafarers Handbook for Australian Waters AHP 20.

Note for chart Aus 616

AUSTRALIA, TASMAN SEA - NORFOLK ISLAND

LAT 29° 04' S LONG 167° 56' E

TIME ZONE -1100

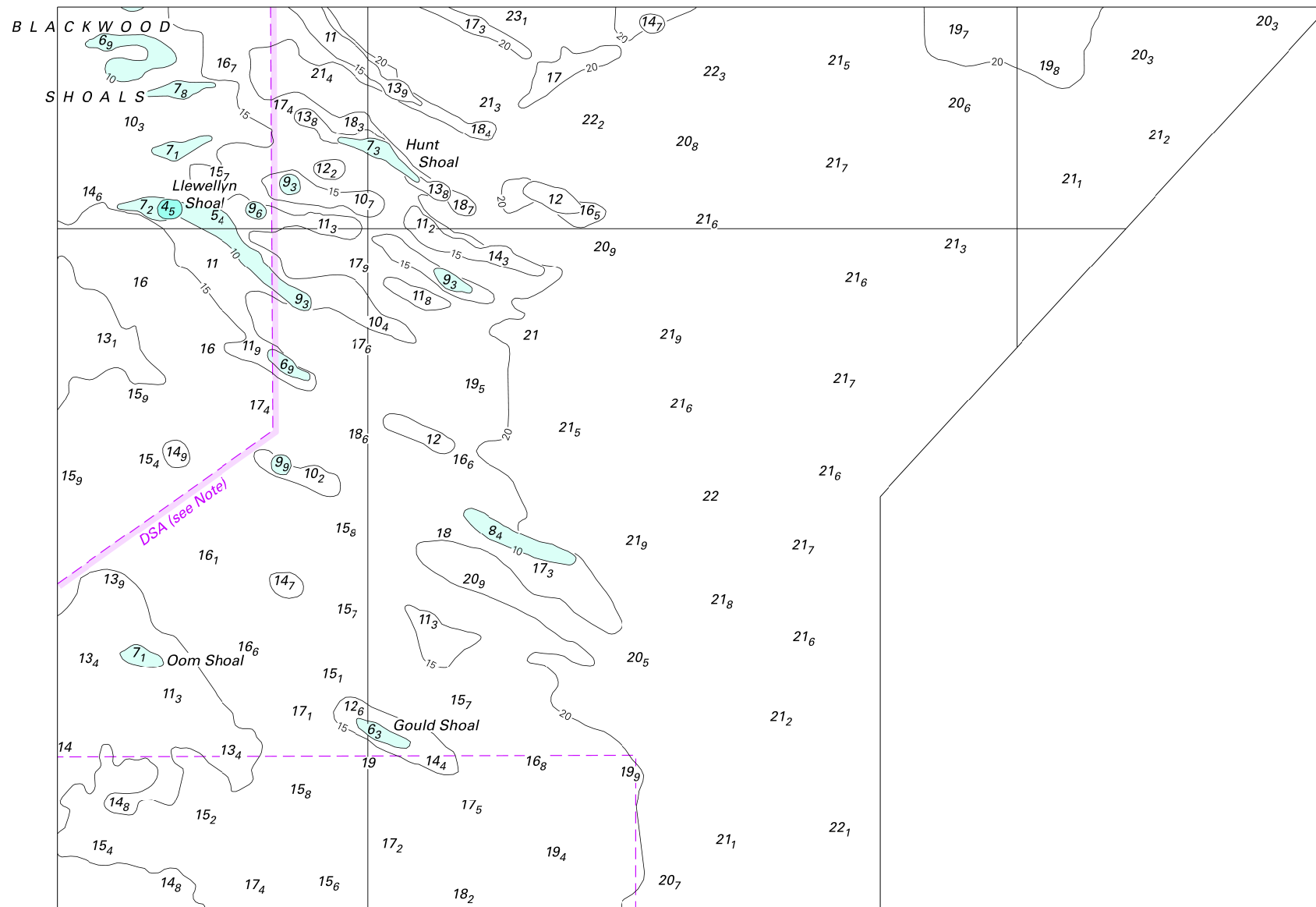
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2015

SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 TU 0325 0.1 0932 1.7 1537 0.1 2153 1.8		16 WE 0328 0.2 0937 1.5 1542 0.3 2148 1.6		1 TH 0342 0.1 1000 1.7 1608 0.2 2214 1.7		16 FR 0328 0.2 0948 1.6 1555 0.4 2154 1.5		1 SU 0445 0.2 1117 1.7 1730 0.4 2325 1.4		16 MO 0415 0.3 1046 1.7 1700 0.5 2253 1.5		1 TU 0506 0.4 1140 1.7 1757 0.5 2348 1.4		16 WE 0444 0.3 1116 1.7 1735 0.4 2330 1.5	
2 WE 0409 0.1 1019 1.7 1624 0.2 2237 1.7		17 TH 0400 0.3 1011 1.5 1615 0.3 2220 1.5		2 FR 0426 0.1 1048 1.7 1657 0.3 2259 1.5		17 SA 0400 0.3 1024 1.6 1631 0.4 2229 1.5		2 MO 0531 0.3 1208 1.6 1823 0.5		17 TU 0456 0.3 1131 1.6 1747 0.5 2341 1.4		2 WE 0552 0.5 1227 1.6 1845 0.5		17 TH 0530 0.4 1204 1.7 1826 0.5	
3 TH 0454 0.1 1108 1.6 1713 0.3 2323 1.6		18 FR 0431 0.3 1047 1.5 1650 0.4 2254 1.5		3 SA 0511 0.2 1139 1.6 1748 0.4 2346 1.4		18 SU 0435 0.3 1103 1.5 1712 0.5 2308 1.4		3 TU 0015 1.3 0623 0.4 1302 1.5 1919 0.6		18 WE 0545 0.4 1223 1.6 1842 0.5		3 TH 0039 1.3 0644 0.5 1317 1.5 1938 0.6		18 FR 0024 1.5 0624 0.4 1258 1.7 1921 0.5	
4 FR 0540 0.2 1200 1.5 1805 0.4		19 SA 0506 0.3 1126 1.4 1730 0.5 2331 1.4		4 SU 0500 0.3 1133 1.5 1844 0.5		19 MO 0515 0.4 1147 1.5 1759 0.5 2354 1.3		4 WE 0115 1.3 0723 0.5 1404 1.4 2023 0.6		19 TH 0038 1.3 0642 0.5 1322 1.5 1944 0.5		4 FR 0141 1.3 0743 0.6 1414 1.5 2036 0.6		19 SA 0127 1.4 0726 0.5 1356 1.6 2021 0.5	
5 SA 0012 1.5 0630 0.3 1257 1.5 1903 0.5		20 SU 0545 0.4 1211 1.4 1815 0.5		5 MO 0040 1.3 0654 0.4 1335 1.4 1948 0.6		20 TU 0602 0.4 1242 1.4 1856 0.6		5 TH 0231 1.2 0833 0.6 1511 1.4 2131 0.6		20 FR 0149 1.3 0750 0.5 1427 1.5 2051 0.5		5 SA 0256 1.3 0850 0.7 1513 1.4 2138 0.6		20 SU 0238 1.4 0836 0.6 1458 1.6 2125 0.5	
6 SU 0106 1.4 0727 0.4 1404 1.4 2013 0.6		21 MO 0015 1.3 0632 0.4 1306 1.3 1914 0.6		6 TU 0147 1.2 0800 0.5 1447 1.4 2103 0.6		21 WE 0052 1.3 0702 0.5 1347 1.4 2004 0.6		6 FR 0350 1.2 0946 0.6 1613 1.4 2234 0.6		21 SA 0307 1.3 0904 0.5 1532 1.5 2159 0.5		6 SU 0408 1.3 1000 0.7 1612 1.4 2237 0.5		21 MO 0353 1.5 0950 0.6 1602 1.6 2230 0.4	
7 MO 0214 1.3 0833 0.4 1520 1.4 2131 0.6		22 TU 0114 1.3 0733 0.5 1417 1.3 2027 0.6		7 WE 0310 1.2 0916 0.5 1600 1.4 2217 0.6		22 TH 0209 1.2 0815 0.5 1500 1.4 2120 0.6		7 SA 0456 1.3 1051 0.6 1708 1.4 2328 0.5		22 SU 0419 1.4 1016 0.5 1634 1.5 2300 0.4		7 MO 0509 1.4 1101 0.7 1705 1.4 2330 0.5		22 TU 0502 1.5 1101 0.6 1705 1.5 2330 0.4	
8 TU 0333 1.2 0948 0.5 1635 1.4 2247 0.6		23 WE 0231 1.2 0845 0.5 1534 1.3 2146 0.6		8 TH 0428 1.2 1030 0.5 1702 1.4 2318 0.5		23 FR 0331 1.3 0933 0.5 1608 1.5 2230 0.5		8 SU 0548 1.4 1145 0.5 1755 1.5		23 MO 0523 1.5 1122 0.5 1732 1.6 2355 0.3		8 TU 0600 1.5 1155 0.6 1754 1.5		23 WE 0603 1.6 1205 0.6 1805 1.6	
9 WE 0449 1.2 1100 0.4 1737 1.4 2347 0.5		24 TH 0354 1.2 1001 0.4 1644 1.4 2259 0.5		9 FR 0529 1.3 1130 0.5 1753 1.4		24 SA 0444 1.4 1044 0.4 1709 1.6 2330 0.4		9 MO 0013 0.4 0631 1.5 1230 0.5 1835 1.5		24 TU 0618 1.6 1220 0.4 1826 1.6		9 WE 0015 0.4 0642 1.5 1242 0.6 1838 1.5		24 TH 0025 0.3 0657 1.7 1301 0.5 1900 1.6	
10 TH 0550 1.3 1157 0.4 1826 1.5		25 FR 0504 1.3 1109 0.4 1742 1.5 2358 0.4		10 SA 0007 0.5 0617 1.4 1218 0.4 1835 1.5		25 SU 0544 1.5 1145 0.4 1802 1.6		10 TU 0050 1.3 0709 1.5 1311 0.5 1913 1.5		25 WE 0045 0.2 0709 1.7 1314 0.4 1916 1.7		10 TH 0054 0.4 0720 1.6 1324 0.5 1919 1.5		25 FR 0114 0.3 0745 1.8 1352 0.5 1950 1.6	
11 FR 0036 0.5 0639 1.4 1244 0.3 1907 1.5		26 SA 0602 1.4 1207 0.3 1832 1.7		11 SU 0047 0.4 0658 1.5 1300 0.4 1912 1.5		26 MO 0022 0.2 0636 1.6 1239 0.3 1851 1.7		11 WE 0125 0.3 0745 1.6 1348 0.4 1947 1.6		26 TH 0130 0.2 0756 1.8 1404 0.4 2004 1.7		11 FR 0130 0.3 0758 1.7 1403 0.5 1959 1.6		26 SA 0200 0.2 0829 1.8 1440 0.4 2036 1.6	
12 SA 0116 0.4 0719 1.4 1324 0.3 1943 1.6		27 SU 0047 0.3 0654 1.6 1259 0.2 1918 1.7		12 MO 0123 0.3 0734 1.5 1337 0.3 1945 1.6		27 TU 0108 0.1 0724 1.7 1329 0.2 1938 1.7		12 TH 0158 0.3 0818 1.7 1425 0.4 2022 1.6		27 FR 0215 0.1 0842 1.9 1452 0.4 2051 1.6		12 SA 0206 0.3 0834 1.7 1443 0.5 2037 1.6		27 SU 0243 0.2 0912 1.9 1524 0.4 2120 1.6	
13 SU 0152 0.3 0756 1.5 1400 0.3 2015 1.6		28 MO 0132 0.1 0742 1.7 1346 0.1 2002 1.8		13 TU 0156 0.3 0807 1.6 1413 0.3 2017 1.6		28 WE 0152 0.1 0811 1.8 1417 0.2 2024 1.7		13 FR 0230 0.2 0853 1.7 1500 0.4 2057 1.6		28 SA 0258 0.1 0927 1.9 1539 0.4 2136 1.6		13 SU 0243 0.2 0912 1.8 1523 0.4 2117 1.6		28 MO 0323 0.2 0952 1.8 1606 0.4 2200 1.6	
14 MO 0225 0.3 0830 1.5 1435 0.3 2046 1.6		29 TU 0216 0.1 0828 1.7 1433 0.1 2045 1.8		14 WE 0227 0.2 0840 1.6 1446 0.3 2048 1.6		29 TH 0235 0.1 0857 1.8 1505 0.2 2109 1.7		14 SA 0302 0.2 0929 1.7 1538 0.4 2133 1.5		29 SU 0340 0.2 1012 1.8 1626 0.4 2219 1.5		14 MO 0320 0.2 0950 1.8 1604 0.4 2159 1.6		29 TU 0403 0.3 1032 1.8 1647 0.5 2241 1.5	
15 TU 0257 0.3 0903 1.5 1509 0.3 2117 1.6		30 WE 0300 0.0 0914 1.8 1520 0.1 2130 1.7		15 TH 0258 0.2 0914 1.6 1520 0.3 2120 1.6		30 FR 0317 0.1 0943 1.8 1553 0.3 2153 1.6		15 SU 0337 0.3 1006 1.7 1617 0.4 2212 1.5		30 MO 0423 0.3 1056 1.7 1711 0.5 2303 1.5		15 TU 0400 0.3 1031 1.8 1648 0.4 2242 1.5		30 WE 0443 0.4 1111 1.7 1728 0.5 2321 1.5	
				31 SA 0400 0.1 1030 1.8 1642 0.4 2238 1.5								31 TH 0523 0.4 1150 1.7 1809 0.5			

★ CORRECTION TO CHART DATUM INCLUDED IN TABLE I

57700

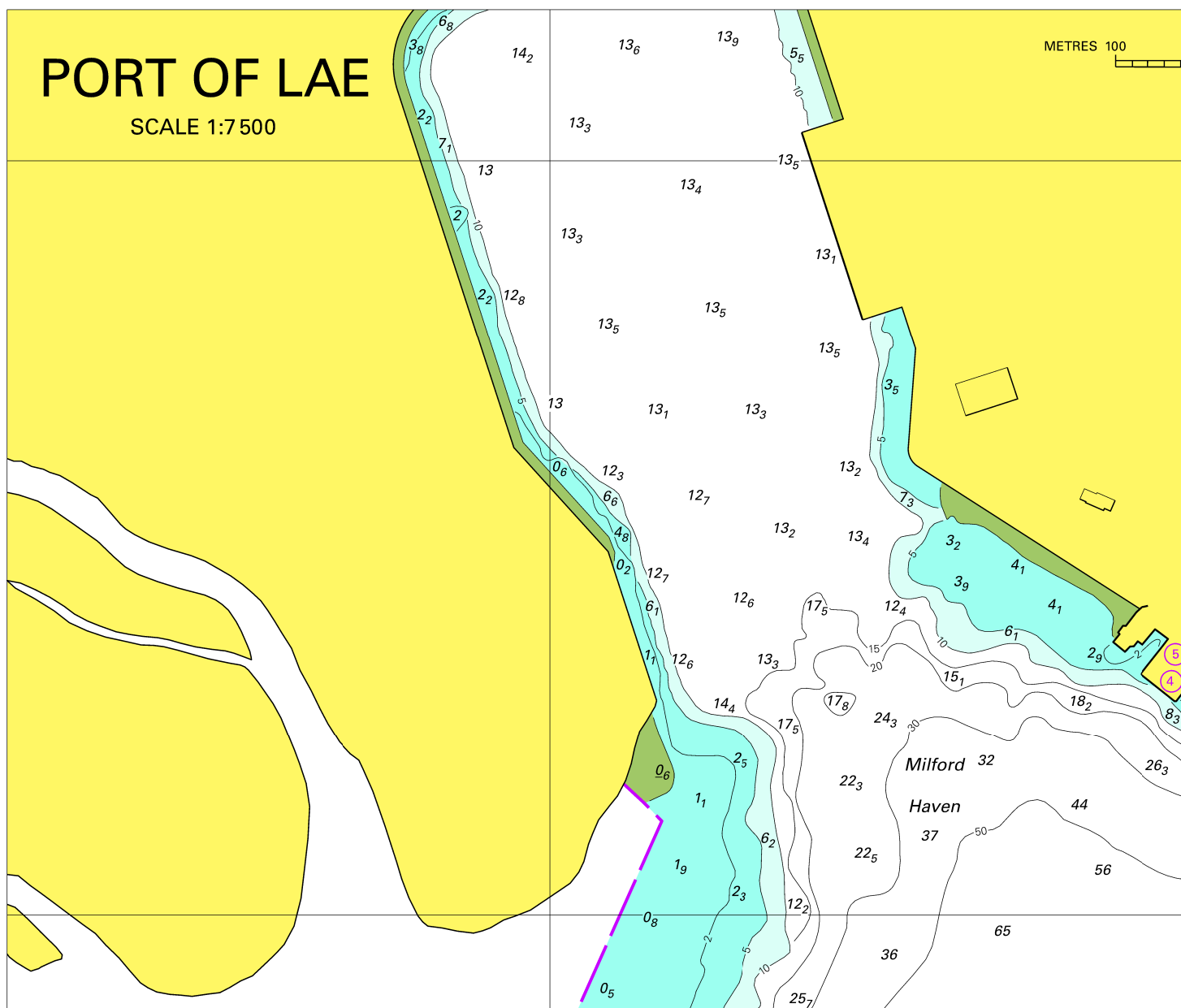


Block for Chart Aus 249

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(215.7 X 139.6 X 152.9mm)

To accompany Australian Notice to Mariners 1142/2015

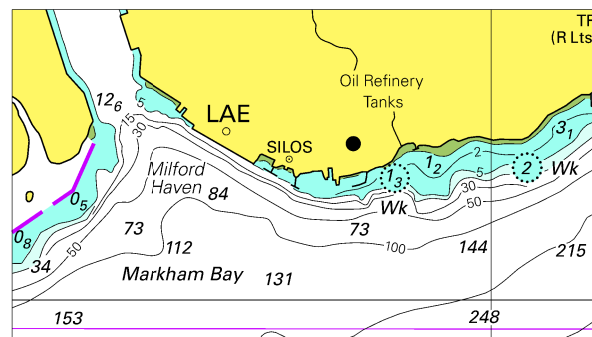


Block for Chart Aus 643

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(191.6 x 162.9mm)

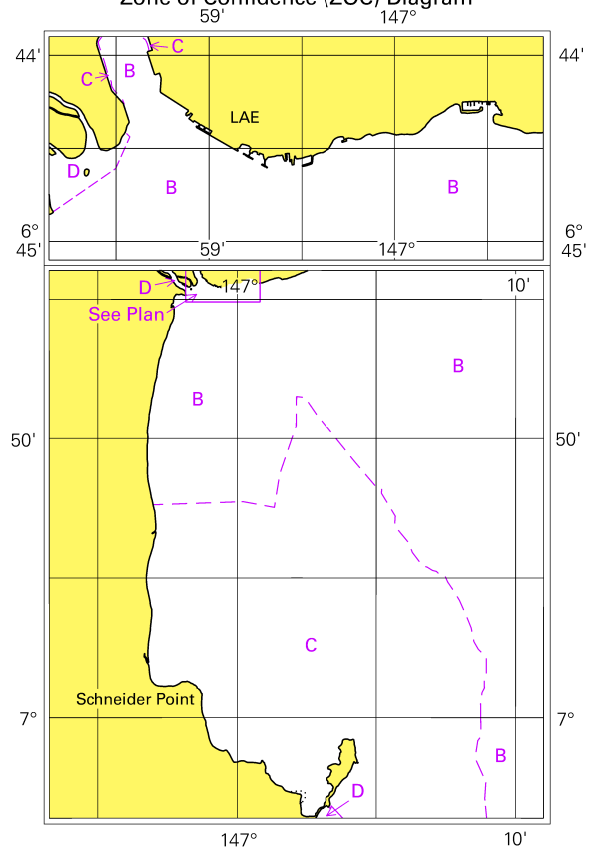
To accompany Australian Notice to Mariners 1142/2015



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Block for Chart Aus 643 (77.8 x 43.8mm)

To accompany Australian Notice to Mariners 1142/2015

Zone of Confidence (ZOC) Diagram

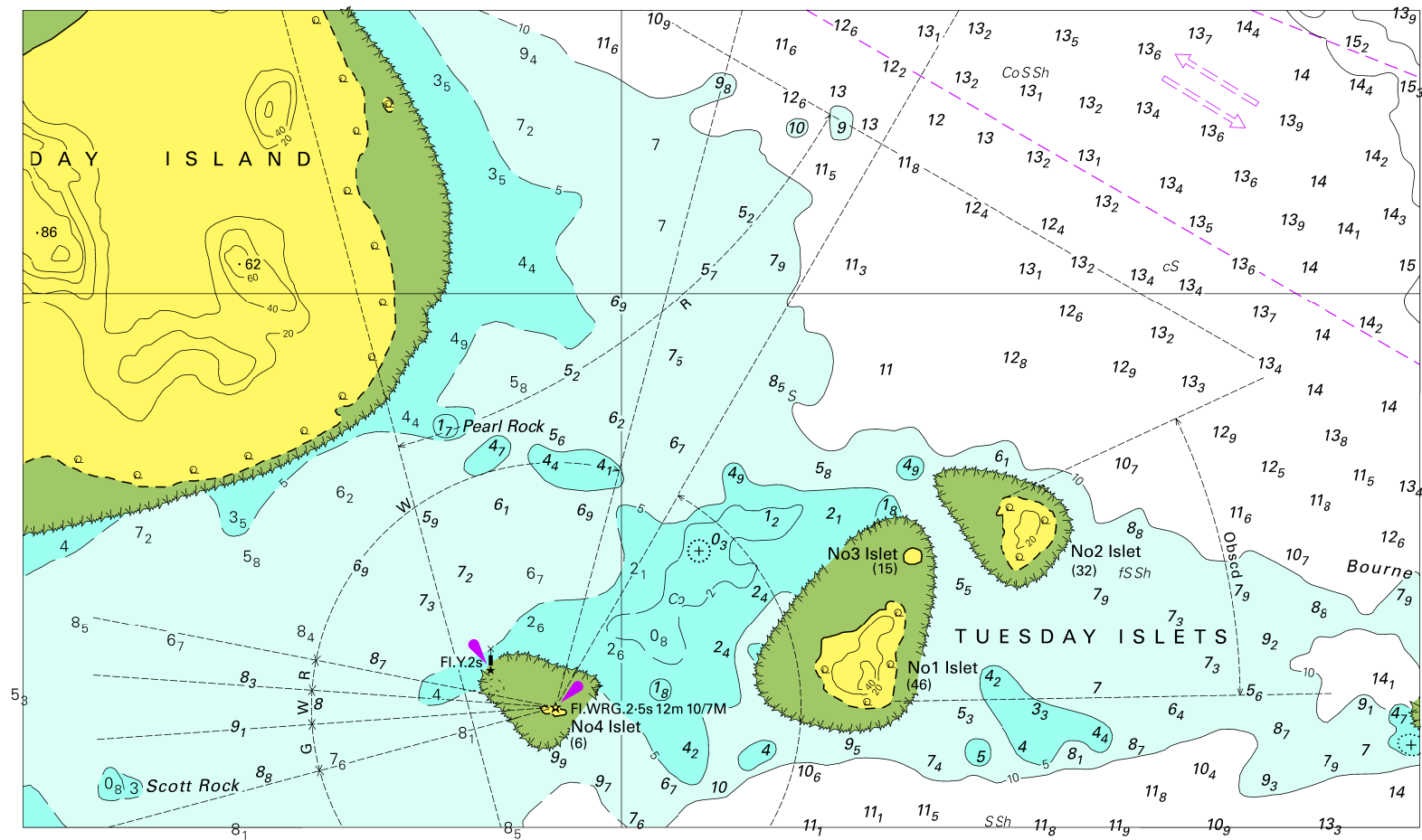


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Block for Chart Aus 643

(66.9 x 172mm)

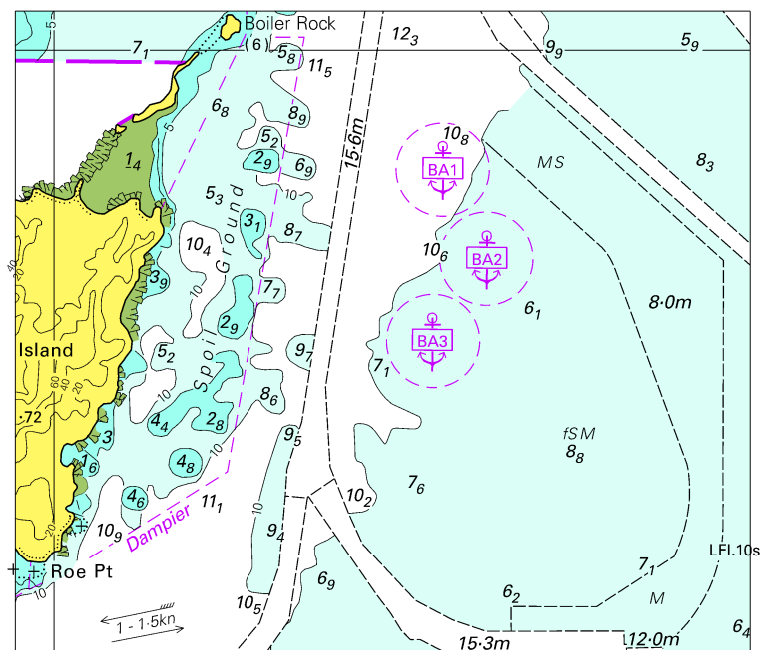
To accompany Australian Notice to Mariners 1143/2015



Block for Chart Aus 293

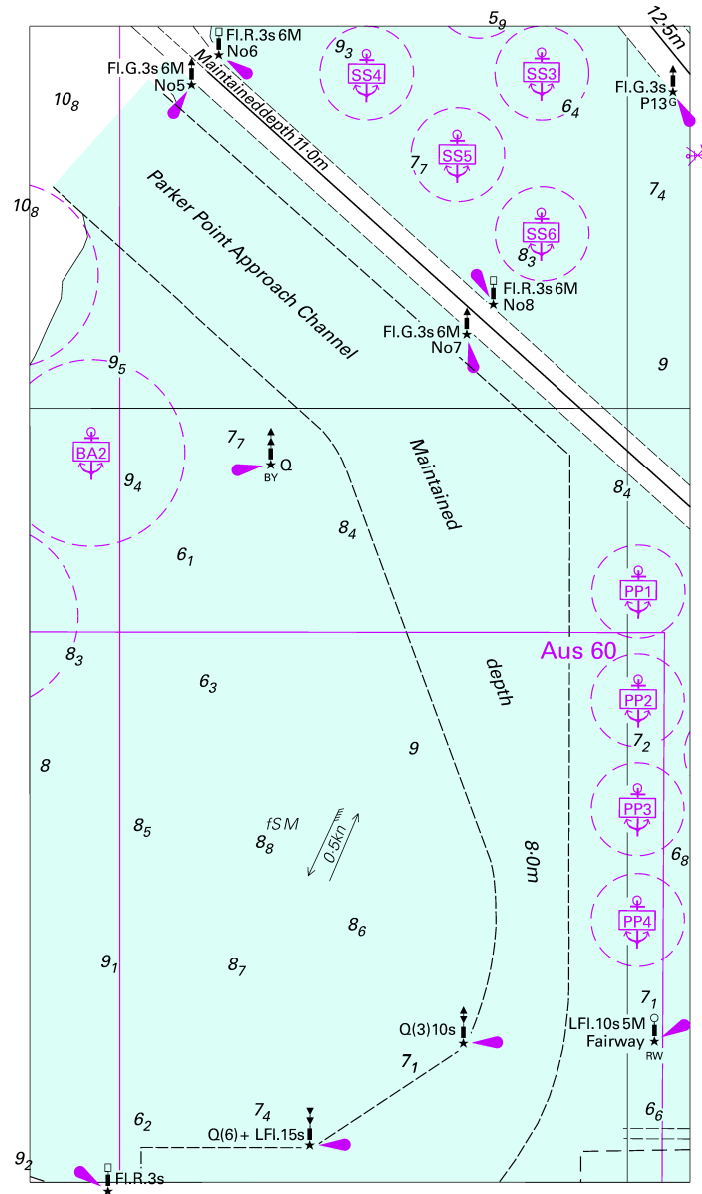
(204.3 x 119.4mm)

To accompany Australian Notice to Mariners 1146/2015



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Block for Chart Aus 57 (97.1 x 84.5mm)

To accompany Australian Notice to Mariners 1146/2015

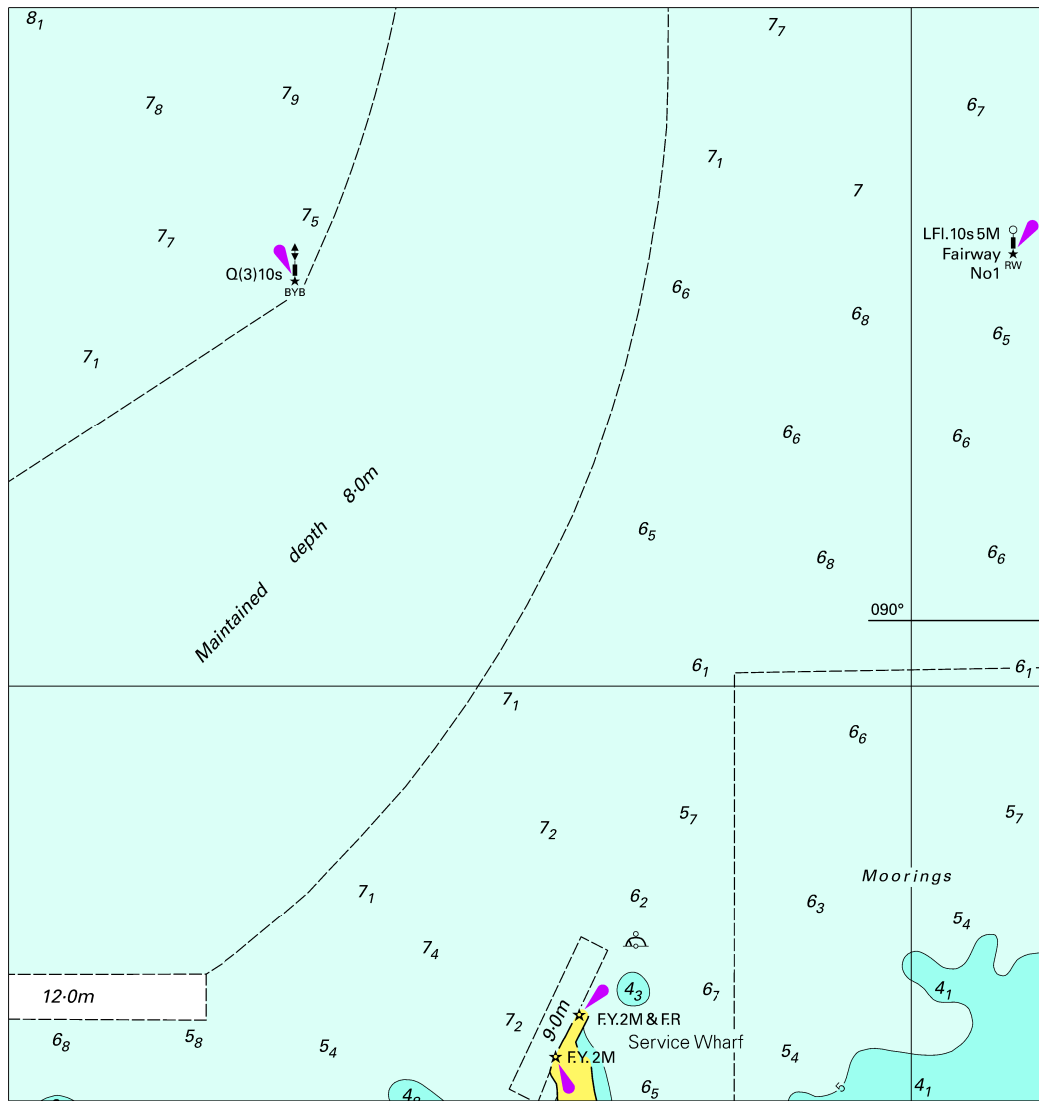


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Block for Chart Aus 58

(87.3 x 152.9mm)

To accompany Australian Notice to Mariners 1146/2015

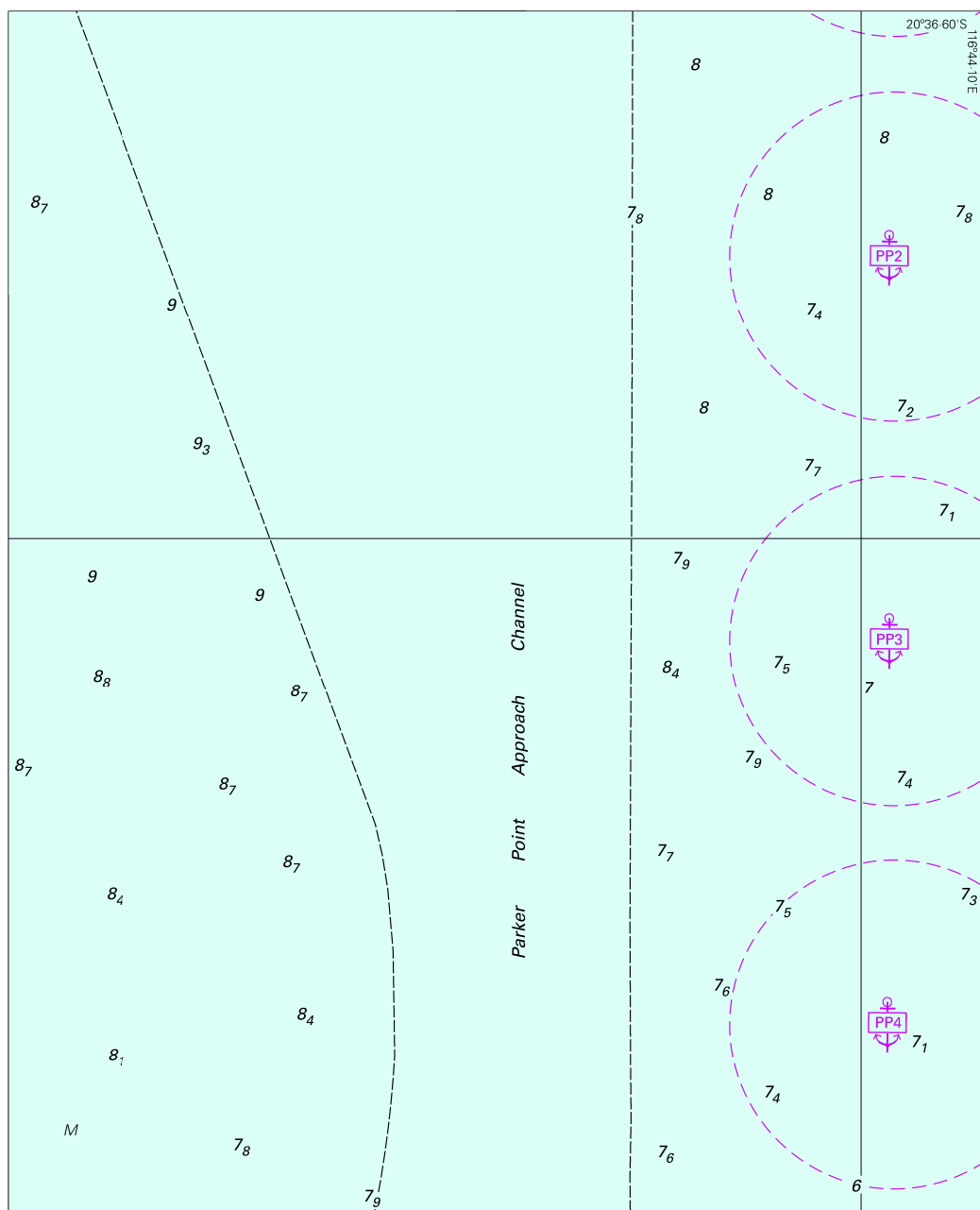


Block A for Chart Aus 60

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(136.8 X 144.6mm)

To accompany Australian Notice to Mariners 1146/2015

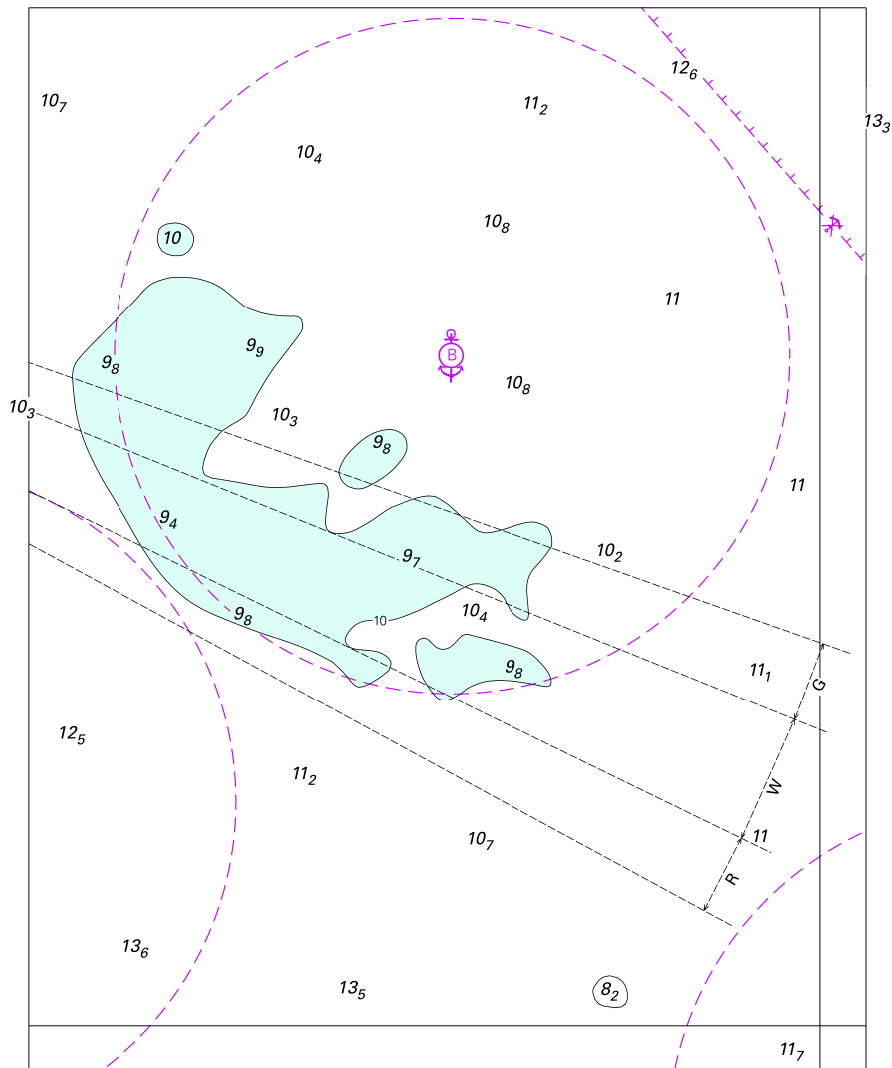


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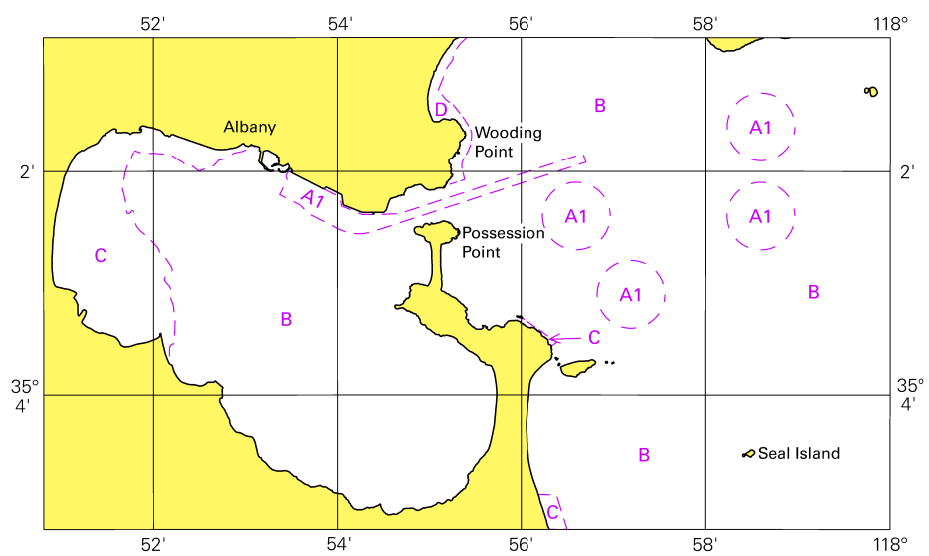
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(136.8 X 168.5mm)

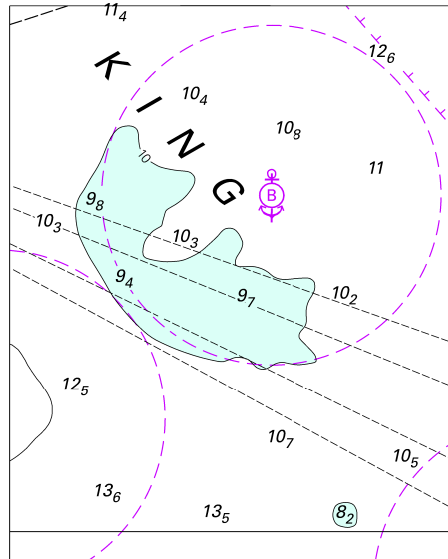
To accompany Australian Notice to Mariners 1148/2015



To accompany Australian Notice to Mariners 1148/2015

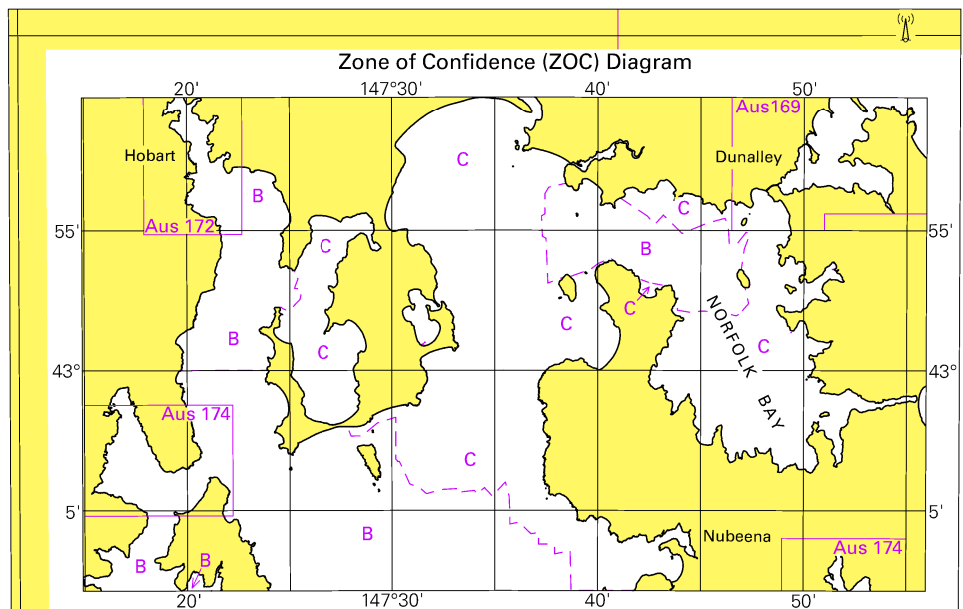


To accompany Australian Notice to Mariners 1148/2015



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Block for Chart Aus 110 (59.4 x 73.2mm)

To accompany Australian Notice to Mariners 1154/2015

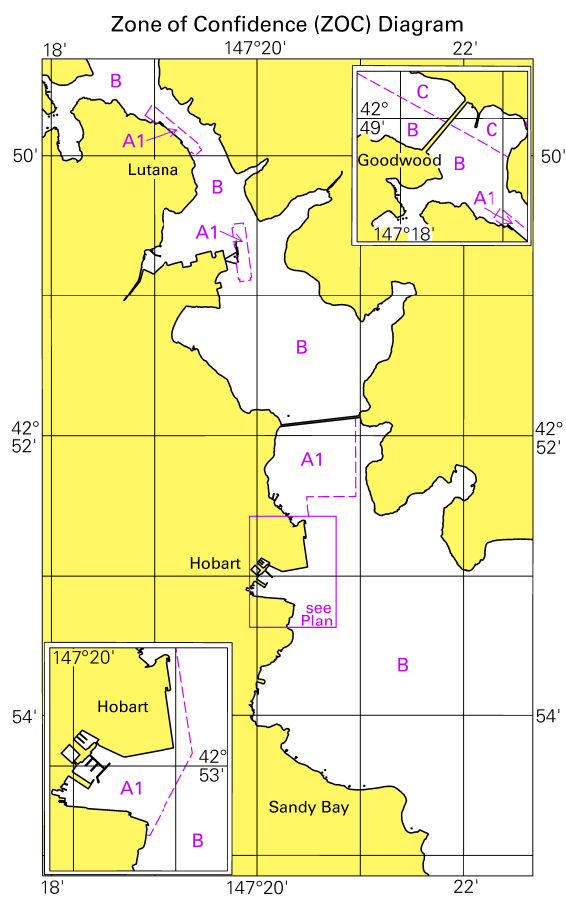


Block for Chart Aus 171

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(111.5 X 65.3mm)

To accompany Australian Notice to Mariners 1154/2015



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Block for Chart Aus 172

(65 x 108mm)