



AUSTRALIAN NOTICES TO MARINERS

Notices 1 - 46

List of Temporary and Preliminary Notices in force

Published fortnightly by the Australian Hydrographic Office



Australian Notices to Mariners are the authority for correcting charts and publications published by the Australian Hydrographic Office covering Australia, Papua New Guinea, Solomon Islands, Australian Antarctic Territory and Timor-Leste.

Commodore F.T. FREEMAN RAN
Hydrographer of Australia

SECTIONS.

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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).

IMPORTANT NOTICE

This edition of Notices to Mariners includes all significant information affecting Australian Hydrographic Office (AHO) products which the AHO 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 AHO regards third parties from which it receives information as reliable, however the AHO cannot verify all such information and errors may therefore exist. The AHO 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 Office.

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.

REPORTING OF DANGERS

Mariners are particularly requested to notify the AUSTRALIAN HYDROGRAPHIC OFFICE, 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 AHO 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 AHO website as providing a 'Paper Notices to Mariners' service (www.hydro.gov.au/webapps/jsp/agents/agents-list.jsp). Copies of the notices may not be sold for profit without prior written agreement.

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1 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Bradleys Head - Mooring buoy withdrawn

Port Authority of New South Wales Notice 24/2017

Aus 200 [1008/2017]

Delete lit mooring buoy 33° 51'.07 S 151° 14'.28 E

Aus 202 [1058/2017]

Delete lit mooring buoy 33° 51'.07 S 151° 14'.28 E

2 AUSTRALIA - QUEENSLAND - Abbot Point - Mooring buoys withdrawn

Maritime Safety Queensland

Aus 255 [1059/2017]Delete mooring buoy 19° 52'.85 S 148° 05'.02 E
mooring buoy 19° 52'.92 S 148° 05'.09 E**3 AUSTRALIA - QUEENSLAND - Brisbane - Point Lookout - Light buoy**

Department of Planning, Transport and Infrastructure SA Notice 13/2017

Aus 814 [689/2017]Move light buoy 27° 30'.00 S 153° 37'.96 E
to 27° 29'.42 S 153° 38'.04 E**4 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Poona - Beacon withdrawn**

Maritime Safety Queensland Notice 007/2018

Aus 240 [725/2017]

Delete beacon 25° 43'.2 S 152° 55'.0 E

5 AUSTRALIA - QUEENSLAND - Mackay Harbour - Nav aids

Maritime Safety Queensland

Aus 249 [1067/2017]

Amend bearing to 209.6° 21° 04'.9 S 149° 14'.8 E

Aus 250 (plan, Mackay Harbour) [1068/2017]

Amend bearing to 209.6° 21° 05'.17 S 149° 14'.67 E

6 AUSTRALIA - QUEENSLAND - Moreton Bay - Amity Point - Light buoy

Maritime Safety Queensland Notice 497/2017

Aus 236 [1070/2017]Replace notice board, with special cylindrical light buoy, *Fl. Y. 3s*, without topmark 27° 23'.9 S 153° 25'.6 E**7 PAPUA NEW GUINEA - Caution Bay - Idiha Island - Light**

National Maritime Safety Authority PNG

Aus 379 [543/2016]Move light 9° 25'.73 S 146° 52'.90 E
to 09° 25'.64 S 146° 52'.96 E**Aus 505 [385/2016]**Move light 9° 25'.73 S 146° 52'.90 E
to 09° 25'.64 S 146° 52'.96 E**Aus 647 [318/2017]**Move light 9° 25'.73 S 146° 52'.90 E
to 09° 25'.64 S 146° 52'.96 E

8 PAPUA NEW GUINEA - Port Moresby - Depths

Australian Hydrographic Office

Aus 621 [779/2017]

Insert	accompanying block A	9° 33'.3 S	147° 17'.0 E
	accompanying block B	9° 26'.2 S	147° 15'.3 E

9 AUSTRALIA - WESTERN AUSTRALIA - Freemantle - Swan River - Wreck

Australian Hydrographic Office

Aus 113 [965/2017]

Delete	wreck	32° 02'.14 S	115° 45'.73 E
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10 AUSTRALIA - WESTERN AUSTRALIA - King George Sound - Infrastructure

Australian Hydrographic Office

Aus 110 [606/2017]

Insert	accompanying block	35° 05'.80 S	117° 57'.35 E
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11 AUSTRALIA - WESTERN AUSTRALIA - Port Geographe Marina - Chart note

Australian Hydrographic Office

Aus 116 (plan, Port Geographe Marina) [967/2017]

Insert	accompanying note	33° 38'.15 S	115° 24'.10 E
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12 AUSTRALIA - SOUTH AUSTRALIA - Port Adelaide - North Haven - Light buoy

Department of Planning, Transport and Infrastructure SA

Aus 137 [973/2017]

Delete	light buoy	34° 47'.61 S	138° 29'.05 E
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13 AUSTRALIA - SOUTH AUSTRALIA - Venus Bay - Nav aids

Department of Planning, Transport and Infrastructure SA

Aus 121 (plan, Venus Bay) [98/2017]

Insert	port lateral light beacon, <i>Fl.R.2s 2M</i> , with topmark	33° 13'.594 S	134° 39'.999 E
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Delete	beacon	33° 13'.58 S	134° 40'.05 E
	beacon	33° 13'.46 S	134° 40'.41 E
	dashed and continuous line with legend 069·2°, emanating from light	33° 13'.47 S	134° 40'.41 E

14 AUSTRALIA - VICTORIA - Port Melbourne - Light

Australian Hydrographic Office

Aus 143 [1023/2017]

Amend	Light to, <i>Iso.WRG.15M & F.Bu.8M</i>	37° 50'.2 S	144° 55'.8 E
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Aus 154 [657/2017]

Amend	Light to, <i>Iso.WRG.3s 21m 15M, F.Bu.18m 8M</i>	37° 50'.23 S	144° 55'.77 E
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Aus 155 [657/2017]

Amend	Light to, <i>Iso.WRG.3s 21m 15M, F.Bu.18m 8M</i>	37° 50'.23 S	144° 55'.77 E
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15 AUSTRALIA - VICTORIA - Port Phillip - Altona Bay - Light buoy

Parks Victoria Notice 344/2017

Aus 143 [14/2018]

Replace	light beacon with special purpose light buoy, <i>Fl.Y.4s P3</i> , with topmark	37° 53'.4 S	144° 52'.9 E
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Aus 155 [14/2018]

Replace	light beacon with special purpose light buoy, <i>Fl.Y.4s P3</i> , with topmark	37° 53'.39 S	144° 52'.85 E
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16 AUSTRALIA - TASMANIA - Prince of Wales Bay - Light withdrawn

Marine and Safety Tasmania Notice 02(T)/2018

Aus 172 [64/2017]

Delete	light buoy	42° 49'.51 S	147° 18'.54 E
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Aus 172 (plan, Bowen Bridge) [64/2017]

Delete	light buoy	42° 49'.51 S	147° 18'.54 E
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17 AUSTRALIA - TASMANIA - River Tamar - Bell Bay to Long Reach - Nav aids

Tasmanian Ports Corporation , Maritime and Safety Tasmania

Aus 167 (plan, Bell Bay) [787/2017]

Delete	topmark	41° 08'.92 S	146° 50'.81 E
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Aus 168 [1027/2017]

Replace	light buoy, with starboard lateral light beacon, <i>Fl.G.3s Great Dragon</i> , without topmark	41° 09'.99 S	146° 55'.18 E
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Move	light beacon to	41° 10'.26 S 41° 10'.267 S	146° 55'.79 E 146° 55'.820 E
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18 SOLOMON ISLANDS - Mahighe Island - Light range amended

Australian Hydrographic Office

SLB 303 [NC 11/8/2017]

Amend	light range to 10M	08° 30'.7 S	159° 54'.4 E
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SLB 304 [NC 11/8/2017]

Amend	light range to 10M	08° 30'.7 S	159° 54'.4 E
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19 SOLOMON ISLANDS - Malaita Island - Auki Harbour - Nav aids

Australian Hydrographic Office

SLB 104 (plan, Auki Harbour) [NC 11/8/2017]

Insert	dashed line in a direction 234° for a distance of 452m, thence a continuous line for distance of 1194m, with legend 054°, emanating from light beacon	08° 46'.447 S	160° 41'.960 E
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Move	light beacon to	08° 46'.490 S	160° 41'.913 E
	light beacon to	08° 46'.447 S	160° 41'.960 E
		08° 46'.514 S	160° 41'.884 E
		08° 46'.489 S	160° 41'.902 E

Delete	dashed and continuous line emanating from light	8° 46'.49 S	160° 41'.91 E
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20 SOLOMON ISLANDS - Maringe Lagoon - Nav aids

Australian Hydrographic Office

SLB 104 (plan, Maringe Lagoon) [19/2018]

Insert	Special purpose beacon, without topmark	08° 06'.72 S	159° 34'.23 E
	starboard lateral beacon, with topmark	08° 08'.76 S	159° 36'.29 E
	starboard lateral beacon, with topmark	08° 08'.69 S	159° 36'.53 E
	text, <i>Marked by beacons</i>	08° 05'.3 S	159° 31'.7 E

Delete	depth, 0 ₉ m	08° 06'.7 S	159° 34'.3 E
	beacon	08° 08'.7 S	159° 36'.5 E
	beacon	08° 08'.7 S	159° 36'.3 E

21 SOLOMON ISLANDS - Nggela Channel - Indalilau Island - Light description

Australian Hydrographic Office

SLB 201 [NC 11/8/2017]Amend light description to *Fl(2)10s 8m 10M*

09° 11'.6 S

160° 21'.7 E

22 SOLOMON ISLANDS - San Cristobal Island - Navais

Australian Hydrographic Office

SLB 103 (plan, Kirakira Bay) [NC 11/8/2017]Move light
to

10° 26'.713 S

161° 55'.595 E

10° 26'.719 S

161° 55'.593 E

SLB 103 (plan, Star Harbour) [NC 11/8/2017]Insert port beacon, with topmark
starboard beacon, with topmark

10° 49'.129 S

162° 16'.923 E

10° 49'.195 S

162° 16'.978 E

Delete structure colour, BW
structure colour, RW
beacon

10° 49'.12 S

162° 16'.73 E

10° 49'.07 S

162° 16'.85 E

10° 49'.18 S

162° 16'.98 E

23 SOLOMON ISLANDS - Santa Ana (Owa Rafa) Island - Light

Australian Hydrographic Office

Aus 4604 (INT 604) [899/2017]Insert light, *LFI 10M*

10° 50'.0 S

162° 29'.0 E

Aus 4634 (INT 634) [899/2017]Insert light, *LFI 10M*

10° 50'.0 S

162° 29'.0 E

SLB 305 [NC 11/8/2017]Insert light, *LFI(2) 20s 10M*

10° 49'.98 S

162° 29'.02 E

24(T)/2018 AUSTRALIA - QUEENSLAND - Airlie Beach - Wreck recovered and harbour works complete
Former Notices - 215(T)/2017, 614(T)/2017 are cancelled
 Maritime Safety Queensland

Cancel this notice on receipt.

Chart formerly affected - Aus 252 - Aus 253 - Aus 269

25(T)/2018 AUSTRALIA - QUEENSLAND - Breaksea Spit - Foul ground
 Maritime Safety Queensland Notice 507(T)/2017

A foul ground exists within a 600m radius of position 24° 25'.71 S 153° 18'.33 E.

Chart temporarily affected - Aus 490 - Aus 816 - Aus 817

26(T)/2018 AUSTRALIA - QUEENSLAND - Brisbane - Boat Passage - Light beacon destroyed
 Maritime Safety Queensland Notice 003(T)/2018

The light beacon *Fl.R.2·5s* (27° 23'.98 S 153° 09'.28 E), has been destroyed; a port lateral light buoy, *Fl.R.2·5s* exists in situ.

Chart temporarily affected - Aus 237

27(T)/2018 AUSTRALIA - QUEENSLAND - Brisbane - Redcliffe Jetty - Harbour works
 Maritime Safety Queensland

Harbour works are in progress at the head of Redcliffe Jetty (27° 13'.567 S 153° 07'.047 E)

All vessels will display appropriate lights and symbols.

Mariners are advised to navigate with caution

Chart temporarily affected - Aus 236

28(T)/2018 AUSTRALIA - QUEENSLAND - First Three Mile Opening - Light unreliable
 Australian Maritime Safety Authority

The light, *Fl.5s 14m 10M* (13° 26'.21 S 143° 58'.15 E), is unreliable.

Chart temporarily affected - Aus 281

29(T)/2018 AUSTRALIA - QUEENSLAND - Fitzroy Island - Bird Rock - Buoys
 Maritime Safety Queensland Notice 503(T)/2017

Buoys exist in positions 16° 55'.43 S 145° 59'.43 E and 16° 55'.43 S 145° 59'.46 E.

Mariners are requested not to moor or anchor in the vicinity of these buoys

Chart temporarily affected - Aus 830

30(T)/2018 AUSTRALIA - QUEENSLAND - Lord Howe Rise - Survey operations completed
Former Notice - 918(T)/2017 is cancelled
 Australian Maritime Safety Authority

Cancel this notice on receipt.

Chart formerly affected - Aus 4602 (INT 602) - Aus 4635 (INT 635) - Aus 4643 (INT 643)

31(T)/2018 AUSTRALIA - QUEENSLAND - Mackay Harbour - Traffic signal station restored

Former Notice - 751(T)/2017 is cancelled
Maritime Safety Queensland

Cancel this notice on receipt.

Chart formerly affected - Aus 250

32(T)/2018 AUSTRALIA - QUEENSLAND - Moreton Bay - Fison Channel - Dredging operations

Maritime Safety Queensland

The barge *Faucon* is conducting dredging operations in Fison Channel and Toondah Harbour (27° 32'.25 S 153° 17'.80 E).

The barges will display appropriate lights and shapes and will monitor VHF Ch 13 and 16.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236

33(T)/2018 AUSTRALIA - QUEENSLAND - Weipa - South Channel - Light beacon destroyed

Former Notice - 839(T)/2017 is cancelled
Maritime Safety Queensland Notice 500(T)/2017

The light beacon *Fl.R.4s SC 10* (12° 41'.25 S 141° 44'.31 E), has been destroyed; a port lateral light buoy, *Fl.R.4.3s*, with topmark exists in situ.

Chart temporarily affected - Aus 4

34(T)/2018 AUSTRALIA - QUEENSLAND - Whitsunday Passage - Shute Harbour - Wreck

Maritime Safety Queensland Notice 011(T)/2018

A wreck marked by a special light buoy, *Fl.Y.3s*, exists in position 20° 17'.94 S 148° 46'.94 E.

Chart temporarily affected - Aus 252 - Aus 253 - Aus 269 - Aus 824

35(T)/2018 PAPUA NEW GUINEA - Batumata Point - Survey operations southeastwards

Former Notice - 990(T)/2017 is cancelled
National Maritime Safety Authority PNG Notice 16(T)/2017

MV *Guru* is conducting survey operations in the vicinity of the following buoys:

<i>Position</i>	<i>Remarks</i>
10° 47'.56 S 149° 13'.05 E	special light buoy, <i>Fl(5)Y.15s</i>
10° 48'.12 S 149° 13'.90 E	subsurface mooring buoy

A 0.5M radius exclusion zone exists around each buoy.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 507 - Aus 4620 (INT 620) - Aus 4621 (INT 621)

36(T)/2018 AUSTRALIA - WESTERN AUSTRALIA - Busselton - Port Geographe Marina - Dredging operations complete

Former Notice - 1214(T)/2016 is cancelled
Department of Transport WA

Cancel this notice on receipt.

Chart formerly affected - Aus 116

37(P)/2018 AUSTRALIA - WESTERN AUSTRALIA - Houtman Abrolhos - North Island to Pelsaert Island - Shoaling
Former Notice - 1099(P)/2017 is cancelled
 Fugro LADS

In and around the islands and reefs of Houtman Abrolhos, between North Island (28° 17'.90 S 113° 35'.80 E) and Pelsaert Island (28° 56'.11 S 113° 58'.09 E), latest survey shows the existence of numerous shoaler depths than those charted.

The most significant shoals are as follows:

<i>Position</i>	<i>Depth</i>
28° 31'.19 S 113° 42'.04 E	8.5m
28° 41'.12 S 113° 46'.57 E	9.6m
28° 41'.51 S 113° 50'.93 E	10.9m
28° 41'.90 S 113° 47'.09 E	5.0m
28° 42'.34 S 113° 51'.41 E	12.6m
28° 44'.33 S 113° 47'.60 E	7.6m
28° 44'.66 S 113° 47'.86 E	5.9m
28° 45'.22 S 113° 49'.21 E	18.4m
28° 45'.61 S 113° 48'.94 E	10.1m

Mariners are advised to navigate with caution in the area.

Charts will be updated in due course.

Chart which will be affected - Aus 83 - Aus 332 - Aus 751

38(T)/2018 AUSTRALIA - WESTERN AUSTRALIA - Marmion Reef - Light buoy
Former Notice - 151(T)/2017 is cancelled
 Transport WA

Cancel this notice on receipt.

Chart formerly affected - Aus 754

39(T)/2018 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Drill rig
Former Notice - 1100(T)/2017 is cancelled
 Woodside Energy Ltd

Drill rig *Ocean Apex* is conducting drilling operations in position 19° 45'.48 S 115° 47'.13 E.

On or about 24 January 2017 the drill rig *Ocean Apex* will commence drilling operations in position 19° 43'.00 S 115° 48'.92 E.

Chart temporarily affected - Aus 327 - Aus 4723 (INT 723)

40(T)/2018 AUSTRALIA - SOUTH AUSTRALIA - Thevenard - Yatala Channel - Light beacon restored
Former Notice - 322(T)/2016 is cancelled
 Flinders Ports

Cancel this notice on receipt.

Chart formerly affected - Aus 122

41(T)/2018 AUSTRALIA - VICTORIA - Bass Strait - East Gippsland - Survey operations

Maritime Safety Victoria Notice 348(T)/2017

The vessel *Offshore Guardian* is conducting survey operations and ROV pipeline inspections in an area bounded by the following positions:

38° 25'.9 S 147° 07'.5 E

38° 36'.0 S 147° 19'.8 E

38° 37'.0 S 148° 37'.1 E

37° 48'.4 S 148° 30'.0 E

37° 59'.7 S 147° 50'.9 E

The vessel will display appropriate lights and shapes and will monitor VHF Ch 16.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 357

42(T)/2018 AUSTRALIA - VICTORIA - Patterson River - Light restored

Former Notice - 1044(T)/2017 is cancelled

Parks Victoria Notice 350(T)/2017

Cancel this notice on receipt.

Chart formerly affected - Aus 143

43(T)/2018 AUSTRALIA - VICTORIA - Port Albert - Shoaling

Gippsland Ports Notice 341(T)/2017

Shoaling with a least depth of *0.1m* exists midway between the starboard lateral light buoy *Fl.G.3s* (38° 44'.74 S 146° 41'.26 E) and the safe water light buoy *LFl.10s* (38° 43'.98 S 146° 42'.68 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 181 - Aus 182

44(T)/2018 AUSTRALIA - VICTORIA - Port Phillip - Corio Bay - Dredging

Former Notice - 1046(T)/2017 is cancelled

Victorian Regional Channels Authority VIC 324(T)/2017

Cancel this notice on receipt.

Chart formerly affected - Aus 153 - Aus 157

45(T)/2018 AUSTRALIA - VICTORIA - Shoal Inlet Entrance - Light destroyed

Maritime Safety Victoria Notice 007(T)/2018

The light, *Fl.2s* (38° 40'.47 S 146° 50'.13 E) has been destroyed.

Chart temporarily affected - Aus 181

46(T)/2018 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES

Former Notice - 890(T)/2017 is cancelled
Australian Hydrographic Office

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
		BASS STRAIT
		<i>King Island</i>
1401/2015	Aus487 789 AX00487S	Scientific instruments
434/2014	Aus357 4644	Light unlit
		CORAL SEA
		<i>Bampton Reef</i>
639/2015	Aus4604 AX04604U	Light buoy off station northwards
		<i>Diamond Islets</i>
225/2017	Aus614 4620 4621	Shoaling
		<i>Lihou Reef</i>
530/2017	Aus4604 4621	Light buoy off station northeastwards
		<i>Portlock Reefs</i>
989/2017	Aus377	Reefs
		NEW SOUTH WALES
		<i>Batemans Bay</i>
965/2016	Aus191	Dredging operations
		<i>Ben Buckler</i>
909/2017	Aus197 200 808	Scientific instruments southeastwards
		<i>Cape Byron</i>
709/2016	Aus813	Obstructions eastwards
		<i>Clarence River</i>
43/2015	Aus222	Obstructions
213/2017	Aus222 812 813	Harbour works
		<i>Crowdy Head</i>
1073/2016	Aus811	Light buoy off station
		<i>Green Cape</i>
653/2016	Aus806	Light buoy off station eastwards
		<i>Jervis Bay</i>
515/2017	Aus193	Light unlit
		<i>Kiama</i>
1029/2017	Aus191 489 808 4643	Light range reduced
		NEW ZEALAND - NOUVELLE CALEDONIE - Fiji Islands
831/2017	Aus197 198 489 609 808 4060 4601 4602 4604 4643	Cable operations
		<i>Newcastle</i>
1030/2017	Aus489 809 810 4643	Live firing
		<i>Port Jackson</i>
461/2016	Aus200 201	Light buoys withdrawn
65/2017	Aus200 202	Harbour works
175/2017	Aus200 201	Scientific instrument
706/2017	Aus200 202	Scientific instruments
		<i>Port Kembla</i>
400/2016	Aus194	Exclusion zone

46(T)/2018 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
742/2017	Aus191 193 194 195 196 197 198 200 201 202 203 204 207 208 209 215 216 217 219 220 221 222 489 806 807 808 809 810 811 812 813 4060 4601 4602 4643	<i>Tasman Sea</i> Scientific Survey
966/2016	Aus192	<i>Twofold Bay</i> Berth damaged
1035/2016	Aus192	Scientific instruments
559/2017	Aus192	Scientific instruments
NORTHERN TERRITORY		
929/2017	Aus309 722 4721	<i>Beagle Gulf</i> Drill rig
893/2015	Aus26 28 AX00026T	<i>Darwin</i> Scientific instruments
182/2017	Aus25	Light buoy unlit
991/2017	Aus24	Dredging operations
1096/2017	Aus28	Light beacons unlit
894/2015	Aus28	<i>East Arm</i> Lights
1193/2014	Aus20	<i>East Vernon Island</i> Obstruction
773/2016	Aus23 722	<i>Medina Inlet</i> Light buoy unlit
QUEENSLAND		
659/2016	Aus255 268 825 826	<i>Abbot Point</i> Scientific instruments
369/2017	Aus255 826	Light beacon destroyed
370/2017	Aus255 826	Navais off station; navais destroyed; depths unreliable; obstructions
980/2017	Aus255	Mooring buoys
745/2017	Aus269	<i>Airlie Beach</i> Wreck
884/2016	Aus268	<i>Bowen</i> Light beacon destroyed
968/2016	Aus268	Harbour works
326/2017	Aus268	Light buoy off station
461/2017	Aus268	Obstruction
1005/2015	Aus301	<i>Boyd Point</i> Scientific instruments
462/2017	Aus301	Exclusion zone
746/2017	Aus301	Mooring buoys
25/2018	Aus490 816 817	<i>Breaksea Spit</i> Foul ground
747/2017	Aus237 238	<i>Brisbane</i> Harbour works
26/2018	Aus237	Light beacon destroyed
27/2018	Aus236	Harbour works

46(T)/2018 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
		<i>Brisbane River</i>
1181/2016	Aus238	Harbour works; light beacon withdrawn
1205/2016	Aus237	Harbour works
66/2017	Aus238	Light unlit
176/2017	Aus238	Scientific instrument
519/2017	Aus237	Virtual AIS
561/2017	Aus238	Light buoys
611/2017	Aus238	Harbour works
915/2017	Aus237	Harbour works
1088/2017	Aus237	Dredging operations
1089/2017	Aus236 237	Light buoy
		<i>Bundaberg</i>
605/2016	Aus242	Shoaling
252/2017	Aus242	Navais off station
520/2017	Aus242	Harbour works
707/2017	Aus242	Anchoring prohibited
792/2017	Aus242	Exclusion zone
793/2017	Aus242	Dredging operations
		<i>Bunker Group</i>
606/2016	Aus490 818 819	Foul ground westwards
		<i>Cairns</i>
253/2017	Aus262 263	Shoaling
464/2017	Aus262 263 830	Dredging operations
665/2017	Aus263 264	Dredging operations
1090/2017	Aus263 264	Wreck
		<i>Cape Bowling Green</i>
1214/2013	Aus826 827	Scientific instrument
1034/2017	Aus826 827	Light buoy off station eastwards
		<i>Cape Flattery</i>
708/2017	Aus270	Shoaling
		<i>Cooktown</i>
926/2016	Aus270	Obstruction
		<i>Daydream Island</i>
418/2017	Aus252 253	Lights unlit; light buoys established
		<i>Ellis Channel</i>
834/2017	Aus293 299	Light buoy off station
		<i>First Three Mile Opening</i>
28/2018	Aus281	Light unreliable
		<i>Fitzroy Island</i>
29/2018	Aus830	Buoys
		<i>Fitzroy River</i>
211/2013	Aus819	Wreck
661/2016	Aus819	Scientific instrument
		<i>Flagstaff Bay</i>
750/2017	Aus826	Light unlit
		<i>Flinders Reef</i>
666/2017	Aus235 236	Light buoy off station
		<i>Gardner Bank</i>
1182/2016	Aus816	Wreck

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<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
579/2014	Aus245 246 819	<i>Gladstone</i> Scientific instruments
568/2016	Aus245 271	Harbour works
68/2017	Aus244 245 271	Harbour works
291/2017	Aus245	Shoaling
521/2017	Aus258	<i>Gladys Inlet</i> Light buoy off station
564/2017	Aus268 825	<i>Gloucester Passage</i> Light buoys off station
523/2017	Aus821 824 825	<i>Great Barrier Reef</i> Shoaling
664/2016	Aus241	<i>Great Sandy Strait</i> Scientific instrument
971/2016	Aus241 817	Shoaling
372/2017	Aus241 817	Light buoys
982/2017	Aus240	Light beacon destroyed
1035/2017	Aus240	Beacon destroyed
566/2017	Aus254	<i>Hamilton Island</i> Harbour works
401/2016	Aus250	<i>Hay Point</i> Scientific instrument
665/2016	Aus249 250 823	Light unlit
20/2017	Aus250	Obstructions
292/2017	Aus249 823	Obstruction
293/2017	Aus259 267	<i>Hinchinbrook Channel</i> Light buoy unlit; light beacon unlit
1369/2015	Aus828	<i>Hinchinbrook Island</i> Light buoy withdrawn
419/2017	Aus252	<i>Hook Island</i> Light beacon destroyed; light buoy established
1036/2017	Aus240 815 817	<i>Inskip Point</i> Light unlit
67/2016	Aus6	<i>Karumba</i> Shoaling
872/2017	Aus270 280 281 833 834	<i>LADS Passage</i> Shoaling
917/2017	Aus252	<i>Laguna Quays</i> Shoaling; nav aids
743/2015	Aus259 267	<i>Lucinda</i> Light buoy off station; light buoy unlit
375/2017	Aus259 267	Shoaling
69/2017	Aus249 250	<i>Mackay</i> Scientific instruments
376/2017	Aus249 250 823 824	Light buoy off station
377/2017	Aus250	Traffic signal station unlit
985/2017	Aus250	Dredging operations
752/2017	Aus250	<i>Mackay Harbour</i> Harbour works

46(T)/2018 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
379/2014 919/2017	Aus256 Aus256	<i>Magnetic Island</i> Scientific instrument Shoaling
921/2017 1037/2017	Aus235 Aus235	<i>Mooloolaba</i> Dredging Shoaling
740/2014 666/2016 1122/2016 1207/2016 111/2017 112/2017 328/2017 421/2017 422/2017 423/2017 468/2017 526/2017 569/2017 754/2017 986/2017 32/2018	Aus236 Aus236 Aus235 236 Aus236 Aus236 Aus236 Aus236 Aus236 Aus236 Aus236 Aus236 Aus236 Aus236 Aus236 Aus236 Aus236	<i>Moreton Bay</i> Wreck Shoaling Light buoy Scientific instrument Beacon destroyed Wreck Light beacon destroyed Light beacon destroyed Light unlit Ship to ship transfer Cable laying operations Light beacon damaged Dredging operations Dredging operations Light beacon destroyed Dredging operations
467/2016 470/2017	Aus816 Aus816	<i>North Gardner Bank</i> Wreck Foul ground
874/2017	Aus819	<i>One Tree Island</i> Scientific instrument
471/2017	Aus230 814	<i>Palm Beach to Gold Coast</i> Dredging operations
667/2017	Aus367 490 820	<i>Peaked Island</i> Search and rescue exercise northeastwards
528/2017	Aus815	<i>Point Cartwright</i> Obstruction northeastwards
987/2017	Aus270	<i>Port Douglas</i> Dredging operations
379/2017	Aus252 824	<i>Proserpine River</i> Light beacon unlit
714/2016 1095/2017	Aus235 236 Aus236	<i>Pumicestone Channel</i> Scientific instruments Marine farm; light buoy
376/2015	Aus294	<i>Red Island Point</i> Light buoys unlit
615/2017	Aus829 830	<i>Russell Heads</i> Light withdrawn
837/2017 923/2017	Aus260 261 367 822 Aus260 261 367 822	<i>Shoalwater Bay</i> Live firing Live firing

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<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
426/2017	Aus269	<i>Shute Harbour</i> Light beacons destroyed
570/2017	Aus252 253 269	Lights; harbour works completed
670/2017	Aus269	Obstructions
875/2017	Aus253 269	Light buoys
833/2016	Aus293 299	<i>Thursday Island</i> Dolphin damaged
469/2016	Aus257	<i>Townsville</i> Harbour works
513/2016	Aus257	Harbour works
380/2017	Aus256 827	Scientific instruments
427/2017	Aus256	Light beacon destroyed
572/2017	Aus257	Dredging operations
756/2017	Aus256	Diving operations
838/2017	Aus257	Harbour works
926/2017	Aus256 827	Light beacon destroyed
1274/2013	Aus831 832	<i>Two Islands</i> Wreck
1257/2016	Aus4	<i>Weipa</i> Harbour works
179/2017	Aus4	Light buoy off station
840/2017	Aus4	Exclusion zone
33/2018	Aus4	Light beacon destroyed
301/2016	Aus252 253 824	<i>Whitsunday Island</i> Wreck
34/2018	Aus252 253 269 824	<i>Whitsunday Passage</i> Wreck
473/2017	Aus240 815 817	<i>Wide Bay</i> Shoaling; navline
436/2017	Aus485 780	SOUTH AUSTRALIA <i>Fleurieu Peninsula</i> Hulk; prohibited area
1000/2016	Aus125	<i>Glenelg</i> Shoaling; dredging operations
437/2017	Aus139 781	<i>Gulf St Vincent</i> Artificial reef
1101/2017	Aus777	<i>Lucky Bay</i> Harbour works
720/2008	Aus137	<i>Port Adelaide</i> Shoaling
1048/2016	Aus130 485 781	Obstruction westwards
1221/2016	Aus130 138	Light beacon destroyed
620/2016	Aus136	<i>Port Pirie</i> Harbour works
438/2017	Aus132 778	<i>Snapper Point to Douglas Bank</i> Shoaling
585/2017	Aus150 151	<i>Western Port</i> Beacon removed; buoy established

46(T)/2018 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
485/2017	Aus135	<i>Whyalla</i> Light beacons destroyed
1009/2016	Aus173 795 796	TASMANIA <i>Bruny Island</i> Scientific instruments southeastwards
848/2017	Aus173	<i>D'Entrecasteaux Channel</i> Marine farm
888/2017	Aus173	Marine farm works
944/2016	Aus164	<i>Devonport</i> Light beacon destroyed
1010/2016	Aus767 798	<i>Eddystone Point</i> Scientific instruments southeastwards
1011/2016	Aus793	<i>Flying Cloud Point</i> Scientific instruments westwards
576/2012	Aus171 796	<i>Frederick Henry Bay</i> Scientific instruments
1103/2017	Aus169	<i>Georges Bay</i> Light buoy destroyed
36/2017	Aus174	<i>Huon River</i> Wreck
1002/2017	Aus168	<i>Launceston</i> Harbour works
169/2016	Aus177	<i>Macquarie Harbour</i> Scientific instruments
1194/2016	Aus177	Harbour works
440/2017	Aus177 792	Scientific instruments
587/2017	Aus177 792	Scientific instruments
1053/2017	Aus177 792	Beacon established
170/2016	Aus170 766 797	<i>Maria Island</i> Scientific instruments
1103/2014	Aus170 766 797	<i>Mercury Passage</i> Obstructions
372/2016	Aus171 174	<i>North West Bay</i> Mooring area
627/2016	Aus171 796	<i>Pipe Clay Head to Pitt Water</i> Scientific instruments
1225/2016	Aus168	<i>River Tamar</i> Scientific instruments
1104/2017	Aus790	<i>Robbins Island</i> Scientific instruments
539/2017	Aus171 795 796	<i>Storm Bay</i> Scientific instrument
620/2017	Aus24 25 26 27 28 29 309 311 312 315 316 722 4721	TIMOR SEA NORTHERN TERRITORY Pipeline operations

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<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
223/2009	Aus312 4721 AX0312F 4721F	<i>Sahul Banks</i> Navaid; racon non operational
358/2016	Aus377 840	TORRES STRAIT <i>Darnley Island</i> Wreck
878/2017	Aus299	<i>Hammond Island</i> Harbour works; dredging
928/2017	Aus299	Light buoy withdrawn
84/2016	Aus839	<i>Kai-Maituine Reef</i> Wreck
410/2016	Aus841 842	<i>Talbot Islands to Deliverance Island</i> Obstructions
586/2017	Aus143	VICTORIA <i>Barwon Heads</i> Light buoy off station
41/2018	Aus357	<i>Bass Strait</i> Survey operations
1271/2015	Aus349 AX00349S	<i>Cape Reamur</i> Exclusion zone; light buoy
1222/2016	Aus182	<i>Lakes Entrance</i> Light beacon destroyed
634/2017	Aus182	Dredging operations
43/2018	Aus181 182	<i>Port Albert</i> Shoaling
119/2017	Aus349 787	<i>Port Campbell</i> Survey operations southwestwards
223/2016	Aus143	<i>Port Phillip</i> Light unlit
905/2016	Aus143 158	Light buoy off station
1003/2016	Aus154	Light beacon altered
1165/2016	Aus158	Buoy off station
1192/2016	Aus153	Harbour works
120/2017	Aus154	Light beacon destroyed
152/2017	Aus154	Harbour works
274/2017	Aus154	Harbour works
538/2017	Aus158	Beacon destroyed
845/2017	Aus155	Obstructions
846/2017	Aus143 157	Harbour works
887/2017	Aus154	Drilling operations
945/2017	Aus153 157	Light buoy
998/2017	Aus153	Barge
1001/2017	Aus182	<i>Port Welshpool</i> Harbour works
45/2018	Aus181	<i>Shoal Inlet Entrance</i> Light destroyed
1053/2016	Aus150	<i>The Narrows</i> Shoaling
1052/2017	Aus143 788	<i>Torquay</i> Fish aggregating devices

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<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
764/2017	Aus150 151 152	<i>Western Port</i> Light beacons unlit
88/2016	Aus64 69 743	WESTERN AUSTRALIA <i>Ashburton Road</i> Mooring buoys
881/2017	Aus325 326 739	<i>Bedout Island</i> Scientific instruments northwestwards
214/2016	Aus332	<i>Bluff Point</i> Fish aggregating devices
992/2017	Aus324 4722	<i>Broome</i> Drill rig northwestwards
386/2017 576/2017 624/2017	Aus319 320 322 4721 4722 Aus319 320 Aus319 320	<i>Browse Island</i> Subsea operations northwestwards Prelude FLNG commissioning Subsea operations northwestwards
1098/2017	Aus115	<i>Bunbury</i> Shoaling; light buoy
988/2016 578/2017	Aus73 Aus73	<i>Carnarvon</i> Obstruction Shoaling
271/2013 216/2016 777/2016 305/2017	Aus57 741 742 Aus58 59 60 Aus57 58 60 741 742 Aus59	<i>Dampier</i> Obstruction Scientific instruments Shoaling Harbour works
851/2015	Aus57 327 741 742	<i>Dampier Archipelago</i> Obstruction eastwards
1078/2015	Aus318 319 727 728 AX00318S 00319S 00319U	<i>East Holothuria Reef</i> Shoaling
761/2017	Aus110	<i>Emu Point</i> Scientific instrument
939/2016	Aus52 53 54 739 740	<i>Finucane Island to Weerde Island</i> Scientific instruments northwards
940/2016	Aus754 755	<i>Five Fathom Bank</i> Scientific instrument
476/2016	Aus116 335 336 756 757	<i>Flinders Bay</i> Shoaling
339/2017	Aus326 740	<i>Forestier Islands</i> Scientific instrument northwestwards
536/2017	Aus81	<i>Geraldton</i> Marine farm
1043/2016	Aus320 323 730 732	<i>Hall Point to Raft Point</i> Shoaling
37/2018	Aus83 332 751	<i>Houtman Abrolhos</i> Shoaling

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<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
341/2017	Aus754	<i>Ledge Point</i> Scientific instrument
843/2016	Aus116	<i>Mandurah</i> Harbour works
522/2016 268/2017	Aus328 Aus328	<i>Montebello Islands</i> Light buoy northwestwards Subsea operations northwestwards
934/2017	Aus328 329 4723 4725	<i>Montebello Saddle</i> Drill rig
935/2017	Aus69	<i>Onslow</i> Scientific instrument
478/2016	Aus754	<i>Perth</i> Scientific instruments westwards
1123/2015 1393/2015 844/2017 937/2017	Aus54 Aus53 739 740 Aus52 53 Aus52 53 54 739 740	<i>Port Hedland</i> Light beacons; tug mooring Scientific instrument Scientific instruments Dredging
1092/2016	Aus55 326 740	<i>Port Walcott</i> Tide gauge
480/2016 731/2016 77/2017 630/2017 940/2017 39/2018	Aus327 Aus327 328 Aus327 Aus327 Aus327 Aus327 4723	<i>Rankin Bank</i> Scientific instrument Scientific instruments southwestwards Subsea operations northeastwards Subsea operations Mooring buoys Drill rig
631/2017	Aus754	<i>Rottneest Island</i> Scientific instrument
763/2017	Aus324 325 4722	<i>Rowley Shoals</i> Scientific instruments
INDIAN OCEAN		
454/2015	Aus4070 4071	<i>Sumatera</i> Scientific instruments westwards
PACIFIC OCEAN		
424/2015 664/2017	Aus4604 4622 AX04604U Aus4623	Scientific instruments Scientific instruments
PAPUA NEW GUINEA		
35/2018	Aus507 4620 4621	<i>Batumata Point</i> Survey operations southeastwards
979/2016 298/2017	Aus523 642 643 Aus643	<i>Huon Gulf</i> Survey operations Light buoy off station
877/2017	Aus674 677	<i>Kimbe</i> Light beacon unlit
531/2017	Aus642 643	<i>Lae</i> Infrastructure; coastline

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<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
299/2017	Aus397 399 684 4060 4604 4622	<i>Madehas Island</i> Light unlit
164/2013	Aus628	<i>Nuakata Passage</i> Light beacon destroyed
226/2017	Aus505 621	<i>Padana Nahua Passage to Bootless Inlet</i> Shoaling
144/2016	Aus622	<i>Port Moresby</i> Harbour works; horizontal datum error
264/2017	Aus379 505 621	<i>Vabukori</i> Light unlit
SOLOMON ISLANDS		
677/2017	SLB101	<i>Honiara and Lungga Roads</i> Shoaling
678/2017	SLB101 201	<i>Lungga Point</i> Light beacon unlit
679/2017	Aus4604 4623 4634 SLB304 305	<i>Maana'oba Island to Mbita'ama Harbour</i> Lights unlit
680/2017	SLB101	<i>Marau Sound</i> Light beacons unlit
681/2017	Aus4623 SLB107	<i>Ndende Island</i> Light unlit
682/2017	SLB102 301 302	<i>Nega Point</i> Light beacons unlit
683/2017	Aus4623 4634 SLB305	<i>San Christobal Island</i> Light unlit
684/2017	Aus4604 4621 4622 4623 4634 SLB301 302	<i>Vaghoe Point</i> Light unlit

II

HYDROGRAPHIC REPORTS

NIL

III

NAVIGATION WARNINGS

The Australian Hydrographic Office will no longer compile Section III of the Australian Notices to Mariners. For the most up to date navigation warnings please refer to:

AMSA Navigation Warnings

<http://amsa.gov.au/search-and-rescue/distress-and-safety-comms/msi/msi-email/index.asp>

New Zealand Notices to Mariners (Navarea XIV warnings)

<http://www.linz.govt.nz/sea/maritime-safety/notices-mariners>

To accompany Australian Notice to Mariners 11/2018

CAUTION

Mariners are advised that weed build-up may occur in the Marina entrance channel during the winter and spring months.

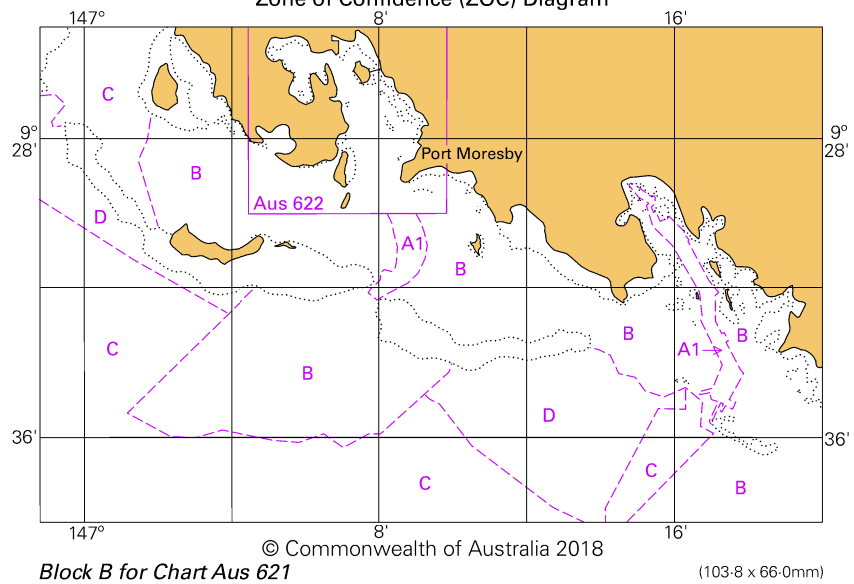
Note for chart Aus 116

This is a detailed bathymetric map of the Laysan Island area. The map shows depth contours in fathoms (labeled with numbers like 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820

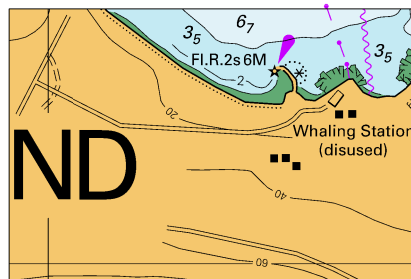
(108.3 x 221.8 mm)

To accompany Australian Notice to Mariners 8/2018

Zone of Confidence (ZOC) Diagram



To accompany Australian Notice to Mariners 10/2018



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Block for Chart Aus 110 (53.8 x 36.2mm)