



21 January 2022

Edition 2

AUSTRALIAN NOTICES TO MARINERS

Notices 50 - 93

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 S.T. DUNNE RAN
Hydrographer of Australia

SECTIONS.

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IMPORTANT NOTICE

This edition of Notices to Mariners includes all significant information affecting 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 Australian Hydrographic Office (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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50 AUSTRALIA - Products - New Charts, New Editions, Withdrawn Charts

Australian Hydrographic Office

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>
AU5WYN01	Australia - Western Australia - Wyndham	20 January 2022	AU5032P1 has been withdrawn.

PG411141	Papua New Guinea - Torres Strait - Glamis Castle Shoal to Cook Shoal	20 January 2022	
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PG410143	Papua New Guinea - Torres Strait - Pearce Cay to Bramble Cay	20 January 2022	
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New Editions and Withdrawn Charts

<i>Chart</i>	<i>Title</i>	<i>Scale</i>	<i>Publication Date</i>	<i>Remarks</i>
Aus 116 (Edition 6)	Australia - South West Coast - Plans in Western Australia - West and South Coast Plans: Flinders Bay Warnbro Sound Hamelin Bay Mary Ann Haven Entrance to Mandurah Estuary Starvation Boat Harbour Port Geographe Marina	1:50 000 1:37 500 1:25 000 1:20 000 1:15 000 1:15 000 1:12 000	21 January 2022	New edition with general updating throughout; including latest bathymetric data for the Flinders Bay plan. Chart Aus 116 Edition 5 dated 09 August 2019 is now superseded and must be withdrawn from use.

Charts withdrawn without replacement

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

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 AHO website at www.hydro.gov.au for new edition and new chart stock arrival information.

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

Australian Hydrographic Office

New Charts to be published shortly

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

New Editions to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
Aus 336	Australia - South Coast - Western Australia - Cape Leeuwin to King George Sound	1:300 000	New edition with general updating throughout; including latest bathymetric data.

52 AUSTRALIA - Product - Amendment to Australian National Tide Tables 2022

Australian Hydrographic Office

ANTT 2022

Page 12
Replace table with accompanying block

Page 14
Replace table with accompanying block

53 AUSTRALIA - TASMAN SEA - Tasman Basin - Light buoys

Marine and Safety Tasmania Notice M366-21(T), M365-21(T)

Aus 766 [636/2021]

Insert	special conical light buoy, <i>Fl. Y. 3s FAD (Dec-May)</i> , without topmark	42° 13'.08 S	148° 29'.30 E
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Amend	light buoy to, special conical light buoy, <i>Fl. Y. 3s FAD (Dec-May)</i> , without topmark	42° 10'.4 S	148° 10'.7 E
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Aus 767 [837/2021]

Amend	light buoy to, special conical light buoy, <i>Fl. Y. 3s FAD (Dec-May)</i> , without topmark	41° 14'.5 S	148° 24'.6 E
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Aus 796 [636/2021]

Insert	special conical light buoy, <i>Fl. Y. 3s FAD (Dec-May)</i> , without topmark	43° 05'.50 S	148° 01'.80 E
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Aus 797 [636/2021]

Insert	special conical light buoy, <i>Fl. Y. 3s FAD (Dec-May)</i> , without topmark	43° 05'.50 S	148° 01'.80 E
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54 AUSTRALIA - QUEENSLAND - Moreton Bay - Spitfire Channel - Depths

Maritime Safety Queensland

Aus 235 [970/2021]

Insert	contour, between depth, 10 ₃ m	27° 03'.47 S	153° 16'.32 E
		27° 04'.07 S	153° 17'.01 E
		27° 03'.28 S	153° 16'.72 E

Delete	contour, between depth 9 ₈ m, and enclosing contour depth, 11 ₉ m depth 6 ₆ m, and enclosing contour depth, 7 ₂ m	27° 03'.5 S	153° 16'.3 E
		27° 03'.4 S	153° 16'.7 E
		27° 04'.1 S	153° 17'.0 E
		27° 03'.1 S	153° 16'.4 E
		27° 03'.3 S	153° 16'.8 E
		27° 03'.5 S	153° 17'.4 E
		27° 03'.6 S	153° 16'.6 E

Aus 236 [8/2022]

Insert	contour, between depth, 10 ₃ m	27° 03'.47 S	153° 16'.32 E
		27° 04'.07 S	153° 17'.01 E
		27° 03'.28 S	153° 16'.72 E

Delete	contour, between depth 9 ₈ m, and enclosing contour depth, 11 ₉ m depth 6 ₆ m, and enclosing contour depth, 7 ₂ m	27° 03'.5 S	153° 16'.3 E
		27° 03'.4 S	153° 16'.7 E
		27° 04'.1 S	153° 17'.0 E
		27° 03'.1 S	153° 16'.4 E
		27° 03'.3 S	153° 16'.8 E
		27° 03'.5 S	153° 17'.4 E
		27° 03'.6 S	153° 16'.6 E

55 AUSTRALIA - TORRES STRAIT - Horn Island - Depths

Maritime Safety Queensland

Aus 293 [1051/2021]

Insert	depth, 1 ₃ m, and extend contour W to enclose	10° 35'.387 S	142° 14'.796 E
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Aus 299 [1051/2021]

Insert	depth, 1 ₃ m, enclosed by contour	10° 35'.387 S	142° 14'.796 E
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Replace	wreck with depth, 5 ₆ m, enclosed by danger circle with legend, Wk	10° 35'.55 S	142° 14'.64 E
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56 AUSTRALIA - NORTHERN TERRITORY - Darwin - Fort Point - Mooring buoy

Bhagwan Marine

Aus 25 [312/2021]

Insert	lit mooring buoy, Fl.Y.4s	12° 28'.140 S	130° 50'.170 E
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Aus 26 [312/2021]

Insert	lit mooring buoy, Fl.Y.4s	12° 28'.140 S	130° 50'.170 E
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57 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Depths

Fremantle Ports

Aus 112 [16/2022]

Insert	contour, between	32° 02'.474 S	115° 45'.349 E
		32° 02'.463 S	115° 45'.294 E
		32° 02'.494 S	115° 45'.281 E

Delete	contour, between	32° 02'.47 S	115° 45'.35 E
		32° 02'.49 S	115° 45'.28 E

58	AUSTRALIA - WESTERN AUSTRALIA - Hydrographers Passage - Corner co-ordinates		
UKHO			
Aus 821 [NE 7/1/2022]			
Amend	longitude to 149° 35·06' E	21° 01'.4 S	149° 35'.1 E
59	AUSTRALIA - SOUTH AUSTRALIA - Gulf St Vincent - Carrickalinga Head - Light beacon		
Department of Planning, Transport and Infrastructure SA	NTM 43/2021		
Aus 780 [20/2022]			
Insert	isolated danger light beacon, <i>Fl</i> (2)6s, with topmark,	35° 25'.23 S	138° 18'.33 E
60	AUSTRALIA - TASMANIA - Cape Barren Island - Rock		
iXblue Pty Ltd			
Aus 798 [837/2021]			
Insert	insert depth, 1 _g <i>m</i> , enclosed by danger circle with legend, <i>R</i>	40° 28'.24 S	148° 25'.78 E
Aus 800 [165/2019]			
Insert	insert depth, 1 _g <i>m</i> , enclosed by danger circle with legend, <i>R</i>	40° 28'.24 S	148° 25'.78 E

61(T)/2022 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Chowder Bay - Scientific instruments

Former Notice - 524(T)/2021 is cancelled

Department of Defence

Subsurface scientific instruments, 2m above seabed, exist in the following positions:

33° 50.42' S 151° 15.42' E

33° 50.39' S 151° 15.39' E

33° 50.38' S 151° 15.43' E.

The area will be marked by buoys.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 200**62(T)/2022 AUSTRALIA - QUEENSLAND - Abbot Bay - Light buoys**

Maritime Safety Queensland Notice 01(T)/2022

Light buoys exist as follows:

<i>Position</i>	<i>Characteristics</i>
19° 50'.60 S 148° 01'.00 E	<i>Fl. Y. 4s</i>
19° 50'.50 S 148° 01'.25 E	<i>Fl. Y. 4s.</i>

Chart temporarily affected - Aus 255 - Aus 826**63(T)/2022 AUSTRALIA - QUEENSLAND - Brisbane River - Lytton and Quarantine Reach - Dredging operations completed**

Former Notice - 1005(T)/2020 is cancelled

Maritime Safety Queensland

Cancel this notice on receipt.

Chart formerly affected - Aus 237 - Aus 238**64(T)/2022 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Mary River - Wreck**

Maritime Safety Queensland Notice 22(T)/2022

A wreck marked by a special light buoy, *Fl. Y. 2-5s*, exists in position 25° 29'.547 S 152° 49'.670 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 817**65(T)/2022 AUSTRALIA - QUEENSLAND - Hay Point - Mornings**

Maritime Safety Queensland Notice 003(T)/2022

Daytime mooring buoys exist in the following positions:

21° 17'.51 S 149° 18'.43 E

21° 17'.51 S 149° 18'.55 E

21° 17'.51 S 149° 18'.69 E

21° 17'.51 S 149° 18'.83 E

21° 17'.76 S 149° 18'.29 E

21° 17'.75 S 149° 18'.48 E

21° 17'.74 S 149° 18'.71 E

21° 17'.73 S 149° 18'.92 E

Chart temporarily affected - Aus 249 - Aus 250**66(T)/2022 AUSTRALIA - QUEENSLAND - Hay Point - Scientific instrument**

Maritime Safety Queensland Notice 24(T)/2022

A special light buoy, *Fl(5)Y. 20s*, exists in position 21° 16'.665 S 149° 19'.345 E.

Chart temporarily affected - Aus 249 - Aus 250

67(T)/2022 AUSTRALIA - QUEENSLAND - Hervey Bay - Obstruction

Maritime Safety Queensland Notice 4(T)/2022

An anchor has been lost in approximate position 24° 29'.59 S 152° 56'.55 E. The anchor is marked by a large unlit white buoy attached to the anchor by chain.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 817 - Aus 818

68(T)/2022 AUSTRALIA - QUEENSLAND - Moreton Bay - Redland Bay - Light buoy

Maritime Safety Queensland Notice 13(T)/2022

An submerged wreck marked by a special light buoy, *Fl.Y.2-5s*, exists in position 27° 37'.77 S 153° 18'.95 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236 - Aus 814

69(T)/2022 AUSTRALIA - QUEENSLAND - Weipa - Obstruction

Maritime Safety Queensland Notice 11(T)/2022

An obstruction exists on the seabed in position 12° 45'.60 S 141° 35'.30 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 4

70(T)/2022 PAPUA NEW GUINEA - Bonarua (Brumer) Islands - Light unlit

National Maritime Safety Authority PNG Coastal Navigation Warning 01/2022

The light, *Fl(3)15s 204m 10M* (10° 45'.25 S 150° 23'.02 E), is unlit.

Chart temporarily affected - Aus 4604 (INT 604) - Aus 4620 (INT 620) - Aus 4621 (INT 621) - PNG 507 - PNG 508

71(T)/2022 PAPUA NEW GUINEA - Meimeiara Island - Light relit*Former Notice - 1048(T)/2020 is cancelled*

National Maritime Safety Authority PNG Coastal Navigation Warning 02/2022

Cancel this notice on receipt.

Chart formerly affected - Aus 4620 (INT 620) - Aus 4621 (INT 621) - PNG 508 - PNG 628

72(T)/2022 AUSTRALIA - TORRES STRAIT - Great North East Channel - Survey operations

EGS Survey Pty Ltd

On or about 26 January 2022, vessel *Sea Ranger* will be conducting survey operations of the Two-Way Route areas between positions 09° 45'.1 S 143° 15'.6 E and 10° 18'.4 S 142° 48'.9 E.

Tide gauges and current meters marked by special buoys, *Fl.Y.2s*, will be deployed throughout the area. A 100 metre clearance requested.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 292 - Aus 837 - Aus 839 - Aus 840 - Aus 841

73(T)/2022 AUSTRALIA - WESTERN AUSTRALIA - Bedout Islet - Seismic survey northwards
Santos

On or about 1 February 2022, vessel *Shearwater Geo Coral*, with a 9000m towed array, and support vessels *Go Sirius* and *Empress* are conducting a seismic survey in areas bounded by the following positions:

18° 26'.55 S 118° 26'.08 E
 18° 05'.31 S 118° 40'.42 E
 17° 57'.12 S 119° 03'.02 E
 17° 58'.55 S 119° 31'.89 E
 18° 17'.34 S 120° 00'.00 E
 19° 24'.53 S 119° 56'.66 E
 19° 26'.67 S 119° 42'.38 E
 18° 48'.52 S 118° 30'.45 E
 18° 37'.95 S 118° 22'.30 E

Mariners are advised to navigate with caution in the area. 3M clearance requested.

Chart temporarily affected - Aus 325 - Aus 326

74(T)/2022 AUSTRALIA - WESTERN AUSTRALIA - Champagne Islands - Survey operations completed
Former Notice - 1029(T)/2021 is cancelled
MMA Offshore

Cancel this notice on receipt.

Chart formerly affected - Aus 320 - Aus 323 - Aus 730 - Aus 732

75(T)/2022 AUSTRALIA - WESTERN AUSTRALIA - Geraldton - Fishing Boat Harbour - Shoaling; light buoy removed

Former Notice - 799(T)/2021 is cancelled
Mid West Ports

Cancel this notice on receipt.

Chart formerly affected - Aus 81

76(T)/2022 AUSTRALIA - WESTERN AUSTRALIA - King Sound - Malumbo Anchorage - Scientific instrument
Department of Transport WA

Scientific instrument, 7m below the surface, exist at 16° 25'.96 S 123° 03'.08 E

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 732 - Aus 733

77(T)/2022 AUSTRALIA - SOUTH AUSTRALIA - Spencer Gulf - Fairway Bank - Light beacon relit

Former Notice - 346(T)/2021 is cancelled
Department for Infrastructure and Transport SA

Cancel this notice on receipt.

Chart formerly affected - Aus 136 - Aus 778

78(T)/2022 AUSTRALIA - SOUTH AUSTRALIA - Thevenard - Bosanquet Bay - Light beacon relit

Former Notice - 612(T)/2021 is cancelled
Department for Infrastructure and Transport SA

Cancel this notice on receipt.

Chart formerly affected - Aus 120

79(T)/2022 AUSTRALIA - SOUTH AUSTRALIA - Venus Bay - Lights relit

Former Notice - 655(T)/2021 is cancelled

Department for Infrastructure and Transport SA

Cancel this notice on receipt.

Chart formerly affected - Aus 342**80(P)/2022 SOUTHERN OCEAN - Antarctica - Mawson - Shoaling**

Australian Antarctic Division

Latest survey indicates shoaling in the approach to Mawson in the following locations

67° 25'.00 S 062° 46'.20 E

67° 29'.58 S 062° 52'.92 E

67° 30'.08 S 062° 50'.45 E

67° 30'.70 S 062° 53'.35 E

67° 30'.45 S 062° 51'.56 E

67° 35'.00 S 062° 52'.25 E

Mariners are advised to navigate with caution in the area.

Charts will be updated in due course.

Chart which will be affected - Aus 600 (INT 9036)**81(T)/2022 AUSTRALIA - VICTORIA - Geelong - Survey**

Ports Victoria Notice 025(T)/2022

The jack up barge *JUB II* and support vessel *Taurus (MB 209)* are conducting geotech operations in the vicinity of position 38° 05'.32 S 144° 23'.34 E.

All vessels will display appropriate lights and shapes and will monitor VHF Ch 12/16. A 100 m exclusion zone around barge is requested.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 157**82(T)/2022 AUSTRALIA - VICTORIA - Port Campbell - Drill rig southwards**

MODU *Ocean Onyx*

Drill rig *Ocean Onyx* is conducting drilling operations in position 39° 13'.32 S 142° 50'.30 E.

Chart temporarily affected - Aus 349 - Aus 787**83(T)/2022 AUSTRALIA - VICTORIA - Port Campbell - Drill rig relocated**

Former Notice - 996(T)/2021 is cancelled

MODU *Ocean Onyx*

Cancel this notice on receipt.

Chart formerly affected - Aus 349 - Aus 787 - Aus 4728 (INT 728)**84(T)/2022 AUSTRALIA - VICTORIA - Port Phillip - Altona - Light beacon relit**

Former Notice - 495(T)/2021 is cancelled

Parks Victoria Notice 425(T)/2021

Cancel this notice on receipt.

Chart formerly affected - Aus 143 - Aus 155

85(T)/2022 AUSTRALIA - VICTORIA - Port Phillip - Point Nepean - Light beacon relit

Former Notice - 1082(T)/2021 is cancelled
Parks Victoria Notice 423(T)/2021

Cancel this notice on receipt.

Chart formerly affected - Aus 143 - Aus 144**86(T)/2022 AUSTRALIA - VICTORIA - Port Phillip - Light buoy off station**

Parks Victoria Notice 401(T)/2021

The special light buoy, *Fl. Y. 5s* (38° 00'.78 S 145° 03'.60 E), is off station.

Chart temporarily affected - Aus 143 - Aus 155**87(T)/2022 AUSTRALIA - VICTORIA - Port Phillip - Light buoy**

Parks Victoria Notice 427(T)/2021

The west cardinal light beacon, *VQ(9)10s* (38° 13'.42 S 145° 01'.58 E), has been replaced with a west cardinal light buoy, *VQ(9)10s*.

Chart temporarily affected - Aus 143**88(T)/2022 AUSTRALIA - VICTORIA - Port Phillip - St Kilda - Shoaling**

Parks Victoria NTM 027(T)/2022

Sand build up in position 37° 52'.30 S 144° 58'.39 E has reduced depths in the St Kilda marina entrance channel

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 155**89(T)/2022 AUSTRALIA - VICTORIA - Port Phillip - Pinnacle Channel - Light buoy off station northeast**

Parks Victoria Notice 022(T)/2022

The east cardinal light buoy, *Q(3)10s* (38° 13'.90 S 144° 50'.60 E), is off station.

Chart temporarily affected - Aus 143**90(T)/2022 AUSTRALIA - VICTORIA - Western Port - Exclusion zone**

Ports Victoria NTM 015-22

All unauthorised vessels within Port of Hastings waters are prohibited from entering within 100 metres of the vessel *SUISSO FRONTIER* during transit and while berthed.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 151 - Aus 801 - Aus 4709 (INT 709)**91(P)/2022 AUSTRALIA - BASS STRAIT - Flinders Island westwards - Rock**

Navionics

An uncharted rock has been reported in position 40° 00'.27 S 147° 31'.66 E.

Mariners are advised to navigate with caution in the area.

Charts will updated in due course.

Chart which will be affected - Aus 487

92(T)/2022 AUSTRALIA - TASMANIA - Bass Strait - Survey operations

MMA Offshore

On or about 1 February 2022, Vessel *MPSV Tek Ocean Spirit* will be conducting survey operations of the area between positions 38° 48'.70 S 146° 03'.2 E and 41° 04'.4 S 145° 59'.1 E.

Mariners are advised to navigate with caution in the area. 5NM clearance requested.

Chart temporarily affected - Aus 163 - Aus 487 - Aus 799 - Aus 801 - Aus 802 - Aus 4644 (INT 644)

93(T)/2022 AUSTRALIA - TASMANIA - Perkins Island to Rocky Cape - Scientific instruments

Former Notice - 45(T)/2022 is cancelled

Marine and Safety Tasmania Notice M354(T)/2021

Scientific instruments, 5m below the surface, exist in the following positions:

40° 44'.04 S 145° 09'.79 E

40° 45'.80 S 145° 13'.15 E

40° 48'.18 S 145° 18'.94 E

40° 50'.58 S 145° 26'.32 E.

Chart temporarily affected - Aus 790 - Aus 799 - Aus 4709 (INT 709)

II

HYDROGRAPHIC REPORTS

NIL

To accompany Australian Notice to Mariners 52/2022

PORT No.	PORT NAME	GEOGRAPHICAL POSITION	MEAN TIME DIFFERENCE	TIDAL LEVELS (metres, ref. to LAT)							To CHART DATUM (m)	SOURCE	Remarks See page
				HAT	MHWS	MHWN	MSL	MLWN	MLWS	NA			
91000	STANDARD PORT	10° 28' S 142° 26' E	TZ -1000 (EST)	8.1	6.8	5.1	4.09	3.1	1.5	NA	STANDARD PORT	o	
91111	SECONDARY PORT	10° 10' S 142° 31' E	+0015	7.2	6.1	4.6	3.88	3.2	1.7	0.0	HYDRO 1941 MSQ		

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PORT No.	PORT NAME	GEOGRAPHICAL POSITION	MEAN TIME DIFFERENCE	TIDAL LEVELS (metres, ref. to LAT)							To CHART DATUM (m)	SOURCE	Remarks See page
				HAT	MHHW	MLHW	MSL	MHLW	MLLW	NA			
92000	STANDARD PORT	20° 30' S 140° 50' E	TZ -1000 (EST)	1.9	1.5	1.0	0.90	0.7	0.2	NA	STANDARD PORT	o	
92222	SECONDARY PORT	19° 4' S 139° 10' E	-0120	2.0	1.7	1.1	1.01	0.9	0.2	0.4	HYDRO 1941 MSQ		

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