



4 August 2023

Edition 16

# AUSTRALIAN NOTICES TO MARINERS

## Notices 641 - 688

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*

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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.

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## 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.

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## REPORTING OF DANGERS

Mariners are particularly requested to notify the AUSTRALIAN HYDROGRAPHIC OFFICE, Locked Bag 8801 Wollongong, NSW 2500 (e-mail [datacentre@hydro.gov.au](mailto:datacentre@hydro.gov.au) or, alternatively by filling in and submitting the [Hydrographic Notes](#) forms located on the web site – [www.hydro.gov.au](http://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](mailto:rccaus@amsa.gov.au)).

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## AUTHORISED USE

Copies of Australian notices are available free of charge from the Australian Hydrographic Office (AHO) website ([www.hydro.gov.au](http://www.hydro.gov.au)) and through the eNotices (email) service ([www.hydro.gov.au/enotices/enotices.htm](http://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](http://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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**641 AUSTRALIA - Products - New Charts, New Editions, Withdrawn Charts**

Australian Hydrographic Office , UKHO

**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>
PNG 673 <b>(Edition 2)</b>	Papua New Guinea - New Britain - North Coast - Dampier Strait	1:75 000	4 August 2023	New edition with general updating throughout; including new bathymetric data. <b>Chart PNG 673 Edition 1 dated 24 July 2020 is now superseded and must be withdrawn from use.</b>

**Admiralty publication**

<i>NP No</i>	<i>Title</i>	<i>Date</i>	<i>Remarks</i>
NP204	ADMIRALTY Tide Tables South Pacific Ocean (Including Tidal Stream Tables) Volume 4, 2024 Edition.	10/08/2023	New Edition.
NP285(5)	ADMIRALTY List of Radio Signals Global Maritime Distress and Safety System (GMDSS) Volume 5, 4th Edition (2023).	10/08/2023	The 3rd Edition (2022) of NP285 is cancelled.

**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](http://www.hydro.gov.au) for new edition and new chart stock arrival information.

**642 AUSTRALIA - Products - New Charts and New Editions to be published shortly**

Australian Hydrographic Office

**New Charts to be published shortly**

Chart	Title	Scale	Remarks
NIL			

**New Editions to be published shortly**

Chart	Title	Scale	Remarks
Aus 20	Australia - North Coast - Northern Territory - Clarence Strait	1:50 000	New edition with general updating throughout; including new bathymetric data.
Aus 720	Australia - North Coast - Northern Territory - Van Diemen Gulf	1:150 000	New edition with general updating throughout; including new bathymetric data.

**Charts to be withdrawn without replacement 1 September 2023**

Chart	Title	Scale	Remarks
Aus 799 Edition 1	Australia - Tasmania - Stony Head to Rocky Cape	1:150 000	14 June 1996  Paper chart rationalisation.

**643 AUSTRALIA - QUEENSLAND - Hay Point - Scientific instrument**

Former Notice - 274(T)/2023 is cancelled  
Maritime Safety Queensland Notice 344/2023

**Aus 249 [NE 31/3/2023]**

Insert	special spherical light buoy, <i>Fl(5)Y.20s</i> , without topmark	21° 16'.67 S	149° 19'.33 E
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**Aus 250 (Hay Point) [426/2023]**

Insert	special spherical light buoy, <i>Fl(5)Y.20s</i> , without topmark	21° 16'.671 S	149° 19'.332 E
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**644 AUSTRALIA - QUEENSLAND - Moreton Island - Cowan Cowan Point - Light sector**

Maritime Safety Queensland Notice 318/2023

**Aus 236 [601/2023]**

Delete	dashed line and associated arrow heads, between	27° 08'.4 S	153° 21'.8 E
		27° 05'.7 S	153° 21'.0 E
	legend, R (partly obscd)	27° 05'.7 S	153° 21'.5 E

**645 AUSTRALIA - QUEENSLAND - Whitsunday Group - Shaw Island - Platypus Rock - Topmark**

Maritime Safety Queensland

**Aus 252 [711/2022]**

Insert	west cardinal topmark	20° 31'.19 S	149° 02'.28 E
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**Aus 254 (Lindeman Island) [121/2023]**

Insert	west cardinal topmark	20° 31'.230 S	149° 02'.304 E
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**Aus 824 [101/2022]**

Insert	west cardinal topmark	20° 31'.19 S	149° 02'.28 E
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**646 PAPUA NEW GUINEA - Nadeara Reef - Depths**

National Maritime Safety Authority PNG

**PNG 379 [933/2021]**Insert [accompanying block](#)

9° 33'.0 S 147° 13'.0 E

**PNG 505 [430/2021]**Insert [accompanying block](#)

9° 39'.0 S 147° 13'.0 E

**647 AUSTRALIA - NORTHERN TERRITORY - Bathurst Island - Depths westwards**

UKHO Notice 32/2693/2023

**Aus 4603 (INT 603) [524/2023]**Replace depth, 15<sub>6</sub>m, with depth, 14<sub>4</sub>m

11° 35'.0 S 129° 32'.0 E

**648 AUSTRALIA - WESTERN AUSTRALIA - Ashburton - Depths**

Surrich Hydrographics

**Aus 64 [311/2023]**

Insert depth, 10m, enclosed by contour

21° 33'.22 S 115° 03'.17 E

Delete depth, 10<sub>6</sub>m

21° 33'.3 S 115° 03'.1 E

**Aus 328 [554/2023]**

Insert contour, between

21° 33'.34 S 115° 03'.45 E

21° 33'.18 S 115° 03'.13 E

21° 33'.62 S 115° 03'.30 E

Delete contour, between

21° 33'.3 S 115° 03'.5 E

21° 33'.6 S 115° 03'.3 E

**Aus 743 [260/2023]**

Insert contour, between

21° 33'.37 S 115° 03'.51 E

21° 33'.18 S 115° 03'.13 E

21° 33'.52 S 115° 03'.26 E

Delete contour, between

21° 33'.4 S 115° 03'.5 E

21° 33'.5 S 115° 03'.3 E

**649 AUSTRALIA - WESTERN AUSTRALIA - Geraldton - Depths**

Precision Hydrographic Services

**Aus 81 [349/2023]**

Insert	contour, between	28° 43'.572 S	114° 34'.677 E
		28° 43'.640 S	114° 34'.628 E
		28° 43'.670 S	114° 34'.647 E
		28° 43'.672 S	114° 34'.665 E
	contour, between	28° 46'.017 S	114° 36'.125 E
		28° 45'.998 S	114° 36'.155 E
		28° 46'.000 S	114° 36'.169 E
		28° 46'.039 S	114° 36'.189 E
		28° 45'.502 S	114° 35'.752 E
	contour, between	28° 45'.483 S	114° 35'.794 E
		28° 45'.495 S	114° 35'.837 E
		28° 41'.621 S	114° 34'.896 E
	depth, 8m	28° 42'.635 S	114° 34'.558 E
depth, 7 <sub>1</sub> m		28° 43'.714 S	114° 34'.357 E
Delete	contour, between	28° 43'.57 S	114° 34'.68 E
		28° 43'.67 S	114° 34'.67 E
	contour, between	28° 45'.50 S	114° 35'.75 E
		28° 45'.50 S	114° 35'.84 E
	contour, between	28° 46'.02 S	114° 36'.13 E
		28° 46'.04 S	114° 36'.19 E
	depth, 9m	28° 41'.63 S	114° 34'.84 E
	depth, 8 <sub>2</sub> m	28° 42'.61 S	114° 34'.48 E
	depth, 9 <sub>8</sub> m	28° 43'.71 S	114° 34'.30 E

**Aus 81 (Geraldton) [349/2023]**

Insert	depth, 10m, enclosed by contour	28° 45'.497 S	114° 35'.796 E
	depth, 4 <sub>8</sub> m, enclosed by contour	28° 46'.010 S	114° 36'.159 E

**650 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Scientific instrument northwestwards**

RPS Group

**Aus 328 [648/2023]**

Delete	depth, 1081m, and enclosing danger circle and legend, ODAS	19° 56'.2 S	113° 44'.1 E
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**651 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Light beacons***Former Notice - 329(T)/2023 is cancelled*

Australian Maritime Safety Authority Final ATH 12/2023

**Aus 53 [524/2023]**

Replace	light beacon with starboard lateral light beacon, <i>Fl.2s 13m 12M Racon(G) C1</i> , without topmark	19° 59'.5 S	118° 26'.2 E
Amend	light beacon to <i>Fl.R.2s 13m 6M C2</i>	19° 59'.6 S	118° 26'.4 E
	light beacon to <i>Fl.G.2s 13m 6M C3</i>	20° 02'.3 S	118° 24'.9 E
	light beacon to <i>Fl.R.2s 13m 6M C4</i>	20° 02'.3 S	118° 25'.2 E
	light beacon to <i>Fl.R.2s 13m 6M C6</i>	20° 03'.8 S	118° 25'.2 E
	light beacon to <i>Fl.G.2s 13m 6M C7</i>	20° 04'.4 S	118° 25'.0 E
	light elevation to 13m	20° 04'.5 S	118° 25'.6 E
	light beacon to <i>Fl.R.2s 13m 6M C10</i>	20° 06'.4 S	118° 28'.3 E
	light elevation to 13m	20° 06'.5 S	118° 28'.1 E
	light range to 6M	20° 08'.0 S	118° 29'.2 E
	light beacon to <i>Fl.G.2s 13m 6M C11</i>	20° 08'.1 S	118° 29'.1 E
	light beacon to <i>Fl.R.2s 13m 6M C14</i>	20° 08'.8 S	118° 29'.7 E
	light beacon to <i>Fl.G.2s 13m 6M C13</i>	20° 08'.9 S	118° 29'.6 E

**Aus 326 [524/2023]**

Insert	structure colour G	19° 59'.49 S	118° 26'.17 E
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**Aus 4722 (INT 722) [524/2023]**

Insert	structure colour G	19° 59'.5 S	118° 26'.2 E
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**652 AUSTRALIA - SOUTH AUSTRALIA - Wallaroo - Point Hughes - Infrastructure**

T-Ports

**Aus 777 [127/2023]**

Insert	continuous line, between	33° 56'.06 S	137° 36'.46 E
		33° 55'.92 S	137° 36'.25 E
		33° 55'.85 S	137° 36'.33 E

**653 AUSTRALIA - VICTORIA - Cape Duquesne - Light buoys**

Former Notice - 888(T)/2020 is cancelled

Deakin University

**Aus 348 [186/2023]**

Insert	special conical light buoy, <i>Fl. Y. 2.5s</i> , without topmark	38° 21'.34 S	141° 16'.24 E
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Delete	light buoy	38° 21'.6 S	141° 16'.4 E
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**654 AUSTRALIA - VICTORIA - Port Albert Entrance - Light buoy**

Gippsland Ports Notice 296/2023

**Aus 181 [559/2023]**

Move	light buoy	38° 45'.2 S	146° 42'.4 E
	to	38° 45'.30 S	146° 42'.40 E

**655 AUSTRALIA - VICTORIA - Port Phillip - Point Franklin - Buoy**

Parks Victoria Notice 299/2023

**Aus 144 [479/2023]**

Insert	special conical buoy without topmark	38° 19'.004 S	144° 43'.013 E
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**656 AUSTRALIA - TASMANIA - Woodbridge to Taroona - Artificial reefs**

NRM South

**Aus 171 [237/2023]**

Insert	fish haven with minimum depth, $6\frac{1}{4}m$ , centred on	42° 56'.45 S	147° 21'.63 E
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Delete	depth, $12\frac{3}{4}m$	42° 56'.4 S	147° 21'.7 E
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**Aus 173 [936/2022]**

Insert	fish haven with minimum depth, $5\frac{1}{2}m$ , centred on	43° 09'.31 S	147° 15'.04 E
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**657 SOLOMON ISLANDS - Ghizo Island - Depths; contours**

Department of Defence

**SLB 301 [722/2022]**

Insert	contour with contour value 20, between	8° 09'.91 S	156° 49'.41 E
		8° 10'.06 S	156° 49'.95 E
	contour, between	8° 09'.66 S	156° 50'.05 E
		8° 09'.50 S	156° 49'.66 E
		8° 09'.40 S	156° 49'.36 E
		8° 09'.40 S	156° 49'.20 E

Replace	depth, 11 <sub>1</sub> m, with depth, 10 <sub>8</sub> m	8° 08'.4 S	156° 50'.3 E
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**SLB 302 [481/2023]**

Insert	contour with contour value 20, between	8° 09'.91 S	156° 49'.41 E
		8° 10'.06 S	156° 49'.95 E
	contour, between	8° 09'.66 S	156° 50'.05 E
		8° 09'.50 S	156° 49'.66 E
		8° 09'.40 S	156° 49'.36 E
		8° 09'.40 S	156° 49'.20 E

Replace	depth, 11 <sub>1</sub> m, with depth, 10 <sub>8</sub> m	8° 08'.4 S	156° 50'.3 E
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**658(T)/2023 AUSTRALIA - NEW SOUTH WALES - Callo Point - Wreck salvaged; exclusion zone removed**  
*Former Notice - 573(T)/2018 is cancelled*  
Transport for NSW

Cancel this notice on receipt.

**Chart formerly affected - Aus 806**

**659(T)/2023 AUSTRALIA - NEW SOUTH WALES - Forster - Artificial reef**  
Department of Primary Industries

Works to establish an artificial reef are in progress in the vicinity of position 32° 10'.06 S 152° 33'.27 E.

An exclusion zone exists around the works.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 810**

**660(T)/2023 AUSTRALIA - TASMAN SEA - Tasman Basin - Light buoy restored**  
*Former Notice - 231(T)/2022 is cancelled*  
Australian Bureau of Meteorology

Cancel this notice on receipt.

**Chart formerly affected - Aus 4601 (INT 601)**

**661(T)/2023 AUSTRALIA - TASMAN SEA - Tasman Basin - Light buoy restored**  
*Former Notice - 438(T)/2021 is cancelled*  
Australian Bureau of Meteorology

Cancel this notice on receipt.

**Chart formerly affected - Aus 4601 (INT 601)**

**662(T)/2023 AUSTRALIA - NEW SOUTH WALES - Terrigal - Artificial reef**  
Department of Primary Industries

Works to establish an artificial reef are in progress in the vicinity of position 33° 27'.59 S 151° 30'.44 E.

An exclusion zone exists around the works.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 204 - Aus 809**

**663(T)/2023 AUSTRALIA - QUEENSLAND - Cape Flattery - Scientific instrument**  
*Former Notice - 237(T)/2022 is cancelled*  
Maritime Safety Queensland Notice 331(T)/2023

A special light buoy, *Fl(5)Y.20s*, exists in position 14° 55'.70 S 145° 20'.72 E.

**Chart temporarily affected - Aus 832**

**664(T)/2023 AUSTRALIA - QUEENSLAND - Gladstone - Facing Island - Military exercise eastwards**  
 Maritime Safety Queensland Notice 326(T)/2023

During the period 22 July to 4 August 2023 and 10 to 14 August 2023, a military exercise will be conducted in an area bounded by the following positions:

23° 53'.89 S 151° 54'.34 E  
 23° 50'.01 S 151° 34'.69 E  
 23° 32'.66 S 151° 28'.10 E  
 23° 33'.53 S 151° 25'.13 E  
 23° 45'.60 S 151° 29'.91 E  
 23° 45'.60 S 151° 24'.00 E  
 23° 49'.20 S 151° 24'.00 E  
 23° 51'.00 S 151° 25'.80 E  
 23° 51'.60 S 151° 25'.80 E  
 23° 51'.60 S 151° 30'.60 E  
 23° 50'.40 S 151° 31'.80 E  
 23° 52'.15 S 151° 32'.51 E  
 23° 56'.81 S 151° 54'.05 E.

HMAS *Huon* will be conducting survey operations in the area using an ROV, divers and towed or streamed sensors.

The vessel will display appropriate lights and shapes and will monitor VHF Ch 16 and Ch 69.

A 100m exclusion zone exists around the vessel.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 245 - Aus 246 - Aus 818 - Aus 819**

**665(T)/2023 AUSTRALIA - QUEENSLAND - Gladstone - North Channel to North Passage Island - Scientific instruments**

Maritime Safety Queensland Notice 317(T)/2023, 329(T)/2023

Special light buoys, *Fl. Y. 6s*, exist in the following positions:

23° 45'.92 S 151° 10'.87 E  
 23° 46'.05 S 151° 10'.09 E  
 23° 46'.97 S 151° 18'.38 E  
 23° 47'.91 S 151° 13'.05 E  
 23° 48'.30 S 151° 12'.57 E  
 23° 48'.50 S 151° 14'.49 E.

**Chart temporarily affected - Aus 245**

**666(T)/2023 AUSTRALIA - QUEENSLAND - Gladstone - Dredging operations; survey operations**

Maritime Safety Queensland Notice 345(T)/2023

The dredge *Brisbane*, *QG Norfolk* and support vessel *Pacific Titan* are conducting dredging and survey operations in all channels, berths and approaches.

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

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 245 - Aus 246**

**667(T)/2023 AUSTRALIA - QUEENSLAND - Halifax Bay - Military exercise completed**

*Former Notice - 612(T)/2023 is cancelled*

Department of Defence

Cancel this notice on receipt.

**Chart formerly affected - Aus 827 - Aus 828**

**668(T)/2023 AUSTRALIA - QUEENSLAND - Midge Point - Military exercise northeastwards completed**

*Former Notice* - 615(T)/2023 is cancelled  
 Maritime Safety Queensland Notice 259(T)/2023

Cancel this notice on receipt.

**Chart formerly affected - Aus 251 - Aus 252 - Aus 254 - Aus 824**

**669(T)/2023 AUSTRALIA - QUEENSLAND - Pioneer Rocks - Obstruction; light buoy removed**

*Former Notice* - 616(T)/2023 is cancelled  
 Maritime Safety Queensland

Cancel this notice on receipt.

**Chart formerly affected - Aus 252 - Aus 253 - Aus 824 - Aus 825**

**670(T)/2023 AUSTRALIA - QUEENSLAND - Port Clinton - Military exercise**

*Former Notice* - 527(T)/2023 is cancelled  
 Maritime Safety Queensland Notice 328(T)/2023

During the period 22 June to 8 August 2023, a military exercise will be conducted in an area bounded by the following positions:

22° 44'.68 S 150° 46'.07 E  
 22° 41'.61 S 151° 16'.00 E  
 22° 26'.64 S 151° 14'.20 E  
 22° 29'.76 S 150° 44'.27 E.

Mariners are advised to navigate with caution in the area. A 500m clearance is requested around any military vessel.

**Chart temporarily affected - Aus 248 - Aus 367 - Aus 490 - Aus 820 - Aus 822**

**671(T)/2023 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Live firing completed**

*Former Notice* - 617(T)/2023 is cancelled  
 Department of Defence

Cancel this notice on receipt.

**Chart formerly affected - Aus 260 - Aus 367 - Aus 490 - Aus 822**

**672(T)/2023 AUSTRALIA - QUEENSLAND - Weipa - Embley River - Military exercise completed**

*Former Notice* - 569(T)/2023 is cancelled  
 Maritime Safety Queensland Notice 260(T)/2023

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**Chart formerly affected - Aus 4**

**673(T)/2023 AUSTRALIA - QUEENSLAND - Whitsunday Passage - Exclusion zone**

Maritime Safety Queensland Notice 338(T)/2023

An exclusion zone for search and recovery operations exists in an area bounded by the following positions:

20° 28'.70 S 148° 54'.82 E  
 20° 25'.47 S 149° 00'.30 E  
 20° 21'.55 S 148° 59'.46 E  
 20° 23'.68 S 148° 52'.54 E.

Vessels not involved in the operations are to remain 1000m away from any search and rescue vessels.

Mariners are advised to navigate with caution in the area and to report any debris to VTS on Ch 16.

**Chart temporarily affected - Aus 252 - Aus 253 - Aus 254 - Aus 824**

**674(T)/2023 AUSTRALIA - CORAL SEA - Live firing completed**

*Former Notice* - 620(T)/2023 is cancelled  
Maritime Safety Queensland , Australian Maritime Safety Authority

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**Chart formerly affected - Aus 490 - Aus 613 - Aus 4602 (INT 602) - Aus 4604 (INT 604)**

**675(T)/2023 PAPUA NEW GUINEA - Unei Island - Light relit**

*Former Notice* - 208(T)/2022 is cancelled  
National Maritime Safety Authority PNG Coastal Navigation Warning 19/2023

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**Chart formerly affected - Aus 4622 (INT 622) - PNG 389 - PNG 651**

**676(T)/2023 AUSTRALIA - NORTHERN TERRITORY - Bathurst Island - Survey operations westwards completed**

*Former Notice* - 488(T)/2023 is cancelled  
Northern Territory Government

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**Chart formerly affected - Aus 22 - Aus 25 - Aus 26 - Aus 309 - Aus 310 - Aus 316**

**677(T)/2023 AUSTRALIA - NORTHERN TERRITORY - Clarence Strait - Survey operations**

Northern Territory Government Notice 23(T)/2023

Vessel *Bhagwan K* is conducting survey operations in an area bounded by the following positions:

11° 58'.86 S 131° 11'.97 E  
12° 04'.43 S 131° 15'.97 E  
12° 09'.53 S 131° 11'.35 E  
12° 08'.09 S 130° 58'.80 E  
12° 10'.84 S 130° 51'.28 E  
12° 04'.57 S 130° 54'.75 E  
12° 00'.85 S 131° 04'.42 E.

The vessel will display appropriate lights and shapes.

Subsurface scientific instruments exist in the following positions:

12° 01'.42 S 131° 08'.86 E  
12° 04'.35 S 130° 56'.16 E  
12° 05'.41 S 131° 05'.57 E  
12° 07'.47 S 131° 00'.12 E  
12° 08'.03 S 131° 11'.80 E  
12° 13'.64 S 130° 54'.42 E.

Scientific instruments may be marked by special light buoys, *Fl.Y.2s*.

Mariners are advised to navigate with caution in the area. 250m clearance requested.

**Chart temporarily affected - Aus 20 - Aus 309 - Aus 720**

**678(T)/2023 AUSTRALIA - NORTHERN TERRITORY - Goodrich Bank - Light buoy off station northwestwards**

Australian Bureau of Meteorology

The special light buoy, *Fl(5)Y.20s* (10° 19'.19 S 129° 57'.15 E), is off station.

**Chart temporarily affected - Aus 310**

**679(T)/2023 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Accommodation vessel northwestwards**  
Australian Maritime Safety Authority

Vessel *Floatel Triumph* is moored in position 13° 47'.0 S 123° 13'.0 E.

**Chart temporarily affected - Aus 319 - Aus 320**

**680(T)/2023 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Holden Point - Light buoy removed**  
Pilbara Ports Authority Notice D18(T)/2023

The special light buoy, *Fl. Y.3s P18* (20° 35'.90 S 116° 45'.01 E), has been temporarily removed.

**Chart temporarily affected - Aus 59**

**681(T)/2023 AUSTRALIA - WESTERN AUSTRALIA - Dampier Archipelago - Mooring buoy unlit northwards**  
Vermilion Oil and Gas Australia

The lit mooring buoy, *Mo(U)Y.15s* (20° 06'.95 S 116° 26'.11 E), is unlit.

**Chart temporarily affected - Aus 327 - Aus 742**

**682(T)/2023 AUSTRALIA - WESTERN AUSTRALIA - Glomar Shoal - Subsea operations southwestwards completed**  
*Former Notice - 842(T)/2022* is cancelled  
Santos

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**Chart formerly affected - Aus 327**

**683(T)/2023 AUSTRALIA - WESTERN AUSTRALIA - Jurien Bay - Scientific instruments recovered**  
*Former Notice - 1010(T)/2020* is cancelled  
Department of Transport WA

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**Chart formerly affected - Aus 84 - Aus 753**

**684(T)/2023 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Drill rig northwestwards**  
Woodside Energy Ltd

On or about 12 August 2023, drill rig *Ocean Apex* will be conducting drilling operations in position 20° 02'.11 S 115° 06'.55 E.

**Chart temporarily affected - Aus 328**

**685(T)/2023 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Survey operations completed**  
*Former Notice - 457(T)/2023* is cancelled  
Pilbara Ports Authority

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**Chart formerly affected - Aus 53**

**686(T)/2023 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Scientific instruments southwestwards**  
*Former Notice - 731(T)/2016* is cancelled  
RPS Group

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**Chart formerly affected - Aus 327 - Aus 328**

**687(T)/2023 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Scientific instrument**

*Former Notice - 480(T)/2016 is cancelled*

RPS Group

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**Chart formerly affected - Aus 327**

**688(T)/2023 AUSTRALIA - TASMANIA - Round Hill Point to Rocky Cape - Scientific instruments northwards recovered**

*Former Notice - 171(T)/2023 is cancelled*

Maritime and Safety Tasmania Notice M282(T)/2023

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**Chart formerly affected - Aus 790 - Aus 799**



II

**HYDROGRAPHIC REPORTS**

NIL