17 June 2011 **Edition 12**

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

AUSTRALIAN NOTICES TO MARINERS

Notices 585 – 625

Published fortnightly by the Australian Hydrographic Service

Commodore R. NAIRN RAN
Hydrographer of Australia

SECTIONS.

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II. Hydrographic Reports.
III. Navigational Warnings.

SUPPLEMENTS.

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III. Temporary and Preliminary Notices in force.
IV. 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 permanent notices relate to the horizontal datum for the chart(s). When preliminary or temporary notices affect multiple charts, positions will be provided in relation to only one horizontal datum and that datum will be specified. When the multiple charts do not have a common horizontal datum, mariners will be required to adjust the position(s) for those charts not on the specified datum. 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 **Hydro.NTM@defence.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

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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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585 AUSTRALIA - Amendment to Australian Chart and Publication Maintenance Handbook AHP24
Australian Hydrographic Service (AA538276, AA533850)

Page v Chapter 1 Content Table - Reporting Discrepancies on Nautical Charts and Publications
Amend page number from 7 to 8

Page 29 Common Chart Symbols - Ticonderoga Bay sector light explanation
Amend range from 6 to 2 nautical miles

Page 66 Log Sheets
After 6.6 – *insert* accompanying block - 6.7 Download Log Sheets

586* AUSTRALIA - NEW SOUTH WALES - Twofold Bay - Light buoy repositioned
NSW Maritime (AA537663)

Aus 192 [*1357/2010*]

Move	light buoy	37º 05'.67 S	149º 53'.95 E
	to	37º 05'.573 S	149º 53'.994 E

587* AUSTRALIA - NEW SOUTH WALES - Newcastle - Hunter River - South Arm - Bund wall removed
Newcastle Port Corporation, Thiess Services Pty Ltd (AA538270)

Aus 207 [*541/2011*]

Delete	continuous line, between	32º 53'.47 S	151º 45'.84 E
		32º 53'.24 S	151º 45'.57 E
		32º 53'.17 S	151º 45'.31 E

Aus 208 [*136/2011*]

Delete	continuous line, between	32º 53'.47 S	151º 45'.84 E
		32º 53'.42 S	151º 45'.85 E
		32º 53'.19 S	151º 45'.46 E

Aus 208 (plan, Hunter River (South Arm))

Delete	continuous line, between	32º 53'.32 S	151º 45'.72 E
		32º 53'.15 S	151º 45'.32 E
		32º 53'.17 S	151º 45'.31 E

588* AUSTRALIA - QUEENSLAND - Point Lookout - Light amended
Australian Hydrographic Service (AA538266)

Aus 814 [*499/2011*]

Amend	light to *Fl(3)15s 78m 16M*	27º 25'.9 S	153º 32'.3 E

589* AUSTRALIA - QUEENSLAND - Caloundra Head - Navaids
Australian Hydrographic Service (AA538266)

Aus 815 [*500/2011*]

Insert	accompanying block	26º 52'.0 S	153º 12'.0 E

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590* AUSTRALIA - QUEENSLAND - Bundaberg - South Head - Light sector amended
Maritime Safety Queensland (AA538267)

Aus 242 (plan, Port Bundaberg) [*653/2010*]

Amend	light sector to *120*° -*320*° (200°)	24º 45'.50 S	152º 24'.77 E

591* AUSTRALIA - QUEENSLAND - Gloucester Passage - Light buoy repositioned
Former Notice - 164(T)/2011 is cancelled
Maritime Safety Queensland Notice 481/2011 (AA536600)

Aus 268 (plan, Gloucester Passage) [*39/2011*]

Move	light buoy	20º 03'.27 S	148º 28'.14 E
	to	20º 03'.285 S	148º 28'.155 E

592* AUSTRALIA - QUEENSLAND - Abbot Point - Mooring buoys
Maritime Safety Queensland Notice 457/2011 (AA536786)

Aus 255 [*1227/2010*]

Insert	mooring buoy	19º 52'.85 S	148º 05'.02 E
	mooring buoy	19º 52'.92 S	148º 05'.09 E

593* AUSTRALIA - NORTHERN TERRITORY - Abbot Shoal to Marsh Shoal - Light buoys altered
Australian Maritime Safety Authority, HI 382 (AA157784, AA157668)

Aus 20 [*1233/2010*]

Substitute	port lateral pillar light buoy, *Fl(2)R.8s,* with topmark for light buoy	12º 04'.37 S	131º 10'.63 E
	starboard lateral pillar light buoy, *Fl(3)G.12s,* with topmark for light buoy	12º 05'.48 S	130º 55'.80 E

Aus 720 [*1305/2010*]

Substitute	port lateral pillar light buoy, *Fl(2)R.8s,* with topmark for light buoy	12º 04'.3 S	131º 10'.7 E
	port lateral pillar light buoy, *Fl(4)R.16s,* with topmark for light buoy	11º 49'.7 S	131º 31'.7 E

Aus 722 [*1365/2010*]

Substitute	port lateral pillar light buoy, *Fl(2)R.8s,* with topmark for light buoy	12º 04'.3 S	131º 10'.7 E
	starboard lateral pillar light buoy, *Fl(3)G.12s,* with topmark for light buoy	12º 05'.4 S	130º 55'.9 E

AX 72722 [*1365/2010*]

Substitute	starboard lateral pillar light buoy, *Fl(3)G.12s,* with topmark for light buoy	12º 05'.4 S	130º 55'.9 E
	port lateral pillar light buoy, *Fl(2)R.8s,* with topmark for light buoy	12º 04'.3 S	131º 10'.7 E

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594* AUSTRALIA - WESTERN AUSTRALIA - Wyndham - Light buoys established
Department of Transport WA (AA532488)

Aus 32 (plan, Wyndham Wharf) [*507/2011*]

Insert	starboard lateral spar light buoy, *Fl.G.3s,* with topmark	15º 19'.840 S	128º 06'.375 E
	port lateral spar light buoy, *Fl.R.3s,* with topmark	15º 19'.710 S	128º 06'.420 E
Delete	light buoy	15º 19'.10 S	128º 05'.85 E

595* AUSTRALIA - WESTERN AUSTRALIA - West Holothuria Reef - Depths
HMAS *Leeuwin* (DHDB 1795501)

Aus 318 [*1113/2010*]

Insert	depth, *8$_2$m,* and extend contour N to enclose	13º 17'.54 S	125º 45'.03 E
	depth, *7$_5$m,* enclosed by contour	13º 35'.31 S	125º 48'.60 E
	depth, *2$_3$m,* enclosed by contour	13º 34'.23 S	125º 47'.99 E
Substitute	depth, *7$_4$m,* for depth, 19$_4$m	13º 31'.3 S	125º 49'.6 E
	depth, *4$_4$m,* for depth, 8$_4$m	13º 30'.3 S	125º 46'.0 E
Move	rock awash	13º 30'.95 S	125º 46'.52 E
	to	13º 30'.66 S	125º 46'.75 E
Delete	depth, 14$_3$m	13º 17'.3 S	125º 45'.5 E
	depth, 21m and enclosing contour	13º 38'.9 S	125º 50'.0 E
	depth, 4$_8$m and enclosing contour	13º 18'.0 S	125º 45'.1 E
	depth, 15$_9$m	13º 35'.6 S	125º 48'.7 E

Aus 319 [*549/2011*]

Insert	depth, *8$_2$m,* and extend contour N to enclose	13º 17'.46 S	125º 45'.10 E
	depth, *7$_5$m,* enclosed by contour	13º 35'.23 S	125º 48'.68 E
	depth, *2$_3$m,* enclosed by contour	13º 34'.15 S	125º 48'.06 E
Substitute	depth, *7$_4$m,* for depth, 19$_4$m	13º 31'.3 S	125º 49'.6 E
	depth, *4$_4$m,* for depth, 8$_4$m	13º 30'.1 S	125º 46'.2 E
Move	rock awash	13º 30'.86 S	125º 46'.51 E
	to	13º 30'.58 S	125º 46'.81 E
Delete	depth, 14$_3$m	13º 17'.2 S	125º 45'.6 E
	depth, 21m and enclosing contour	13º 38'.9 S	125º 50'.0 E
	depth, 34m	13º 54'.8 S	125º 30'.5 E
	depth, 4$_8$m and enclosing contour	13º 17'.9 S	125º 45'.2 E
	depth, 15$_9$m	13º 35'.5 S	125º 48'.6 E

Aus 320 [*508/2011*]

Delete	depth, 34m	13º 54'.8 S	125º 30'.5 E

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595* AUSTRALIA - WESTERN AUSTRALIA - West Holothuria Reef – Depths *(continued)*

Aus 728 [*1113/2010*]

Insert	depth, *8_5m,* and extend contour NE to enclose	13º 17'.46 S	125º 45'.10 E
	depth, *7_8m,* enclosed by contour	13º 35'.23 S	125º 48'.68 E
	depth, *2_6m,* enclosed by contour	13º 34'.15 S	125º 48'.06 E
	depth, *7_7m,* enclosed by contour	13º 31'.42 S	125º 49'.62 E
	depth, *4_5m,* enclosed by contour	13º 30'.15 S	125º 46'.54 E
	depth, *2_9m,* enclosed by contour	13º 30'.89 S	125º 47'.42 E
Move	rock awash	13º 30'.9 S	125º 46'.5 E
	to	13º 30'.58 S	125º 46'.81 E
Substitute	depth, *4_7m,* for depth 9_1m	13º 30'.20 S	125º 46'.00 E
Delete	depth, 21_5m and enclosing contour	13º 38'.9 S	125º 50'.0 E
	depth, 35m and enclosing contour	13º 55'.0 S	125º 30'.5 E
	depth, 20_1m	13º 31'.2 S	125º 49'.4 E
	depth, 14_6m	13º 30'.48 S	125º 46'.89 E
	depth, 5_5m	13º 17'.8 S	125º 45'.0 E
	depth, 14_6m	13º 17'.2 S	125º 45'.5 E
	depth, 16m	13º 35'.5 S	125º 48'.5 E

Aus 4721 (INT 721) [*142/2011*]

Insert	depth, *8_2m,* and extend contour N to enclose	13º 17'.5 S	125º 45'.1 E
Delete	depth, 4_8m	13º 18'.0 S	125º 45'.0 E

Aus 4722 (INT 722) [*142/2011*]

Insert	depth, *8_2m,* and extend contour N to enclose	13º 17'.5 S	125º 45'.1 E
Delete	depth, 4_8m	13º 18'.0 S	125º 45'.0 E

AX 0319F [*549/2011*]

Insert	depth, *2_3m,* enclosed by contour	13º 34'.15 S	125º 48'.06 E
	depth, *7_5m,* enclosed by contour	13º 35'.23 S	125º 48'.68 E
	depth, *8_2m,* and extend contour N to enclose	13º 17'.46 S	125º 45'.10 E
Move	rock awash	13º 30'.86 S	125º 46'.51 E
	to	13º 30'.58 S	125º 46'.81 E
Substitute	depth, *7_4m,* for depth, 19_4m	13º 31'.3 S	125º 49'.6 E
	depth, *4_4m,* for depth, 8_4m	13º 30'.1 S	125º 46'.2 E
Delete	depth, 21m and enclosing contour	13º 38'.9 S	125º 50'.0 E
	depth, 14_3m	13º 17'.2 S	125º 45'.6 E
	depth, 15_9m	13º 35'.5 S	125º 48'.6 E
	depth, 4_8m and enclosing contour	13º 17'.9 S	125º 45'.2 E
	depth, 34m	13º 54'.8 S	125º 30'.5 E

AX 4721F [*142/2011*]

Insert	depth, *8_2m,* and extend contour N to enclose	13º 17'.5 S	125º 45'.1 E
Delete	depth, 4_8m	13º 18'.0 S	125º 45'.0 E

AX 4722F [*142/2011*]

Insert	depth, *8_2m,* and extend contour N to enclose	13º 17'.5 S	125º 45'.0 E
Delete	depth, 4_8m	13º 18'.0 S	125º 45'.0 E

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596* AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Light buoy established
Department of Transport WA Notice 83/2011 (AA537228)

Aus 62 [*349/2011*]

Insert	special spherical light buoy, *Fl(5)Y.20s,* without topmark	20º 48'.565 S	115º 29'.648 E

Aus 742 [*550/2011*]

Insert	special spherical light buoy, *Fl(5)Y.20s,* without topmark	20º 48'.57 S	115º 29'.65 E

Aus 743 [*458/2011*]

Insert	special spherical light buoy, *Fl(5)Y.20s,* without topmark	20º 48'.57 S	115º 29'.65 E

597* AUSTRALIA - WESTERN AUSTRALIA - Cockburn Sound - Jervoise Bay - Restricted area amended
Freemantle Ports (AA536091)

Aus 114 [*552/2011*]

Insert	accompanying block	32º 09'.7 S	115º 45'.8 E

598* AUSTRALIA - SOUTH AUSTRALIA - Oyster Bay - Light
Department for Transport, Energy and Infrastructure SA Notice 22/2011 (AA538867)

Aus 139 (plan, Macdonnell Sound) [*553/2011*]

Insert	light, *Fl.3s 2M*	34º 54'.11 S	137º 47'.98 E

599* AUSTRALIA - TASMANIA - South Arm - Light
Marine and Safety Tasmania Notice M112/2010 (AA502689)

Aus 173 [*1177/2010*]

Insert	light, *Fl.Bu.5s*	43º 01'.67 S	147º 24'.78 E

600* AUSTRALIA - VICTORIA - Port Phillip - Indented Head - Unexploded ordnance eastwards; aeronautical radiobeacon
Australian Hydrographic Service (Australian Notice to Mariners No12)

Aus 143 [*1314/2010*]

Insert	magenta legend, *Unexploded Ordnance (see Note),* centred on	38º 08'.81 S	144º 50'.66 E
	accompanying note	38º 00'.7 S	144º 30'.8 E
Delete	aeronautical radiobeacon	38º 01'.1 S	144º 28'.2 E

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601* AUSTRALIA - VICTORIA - Port Phillip - Point Gellibrand - Wrecks southwards
P Taylor, Australian Hydrographic Service (AA523501)

Aus 143 [*600/2011*]

Insert	depth, *8_7m,* enclosed by danger circle with legend, *Wk*	37º 54'.63 S	144º 52'.06 E
	#, centred on	37º 53'.33 S	144º 53'.90 E
	#, centred on	37º 53'.99 S	144º 53'.95 E

Aus 155 [*409/2011*]

Insert	depth, *8_7m,* enclosed by danger circle with legend, *Wk*	37º 54'.625 S	144º 52'.055 E
	#, centred on	37º 53'.332 S	144º 53'.902 E
	#, centred on	37º 53'.985 S	144º 53'.946 E

602* AUSTRALIA - VICTORIA - Port Phillip - St Kilda - Light beacon established
Victorian Notice 79/2011 (AA537233)

Aus 155 [*601/2011*]

Substitute	isolated danger light beacon, *Fl(2)6s,* with topmark for beacon	37º 51'.32 S	144º 57'.35 E

Aus 155 (plan, St Kilda) [*601/2011*]

Substitute	isolated danger light beacon, *Fl(2)6s,* with topmark for beacon	37º 51'.32 S	144º 57'.35 E

603* AUSTRALIA - VICTORIA - Port Phillip - Dromana Bay to Balcombe Bay - Depths
Australian Hydrographic Service (AA537012 - AA537015)

Aus 143 [*601/2011*]

Substitute	depth, *4_9m,* and extend contour W to enclose, for depth, 5_3m	38º 18'.9 S	144º 59'.0 E

Aus 158 [*1314/2010*]

Insert	depth, *3_1m,* and extend contour N to enclose	38º 14'.678 S	145º 01'.431 E
	depth, *4m,* enclosed by contour	38º 14'.349 S	145º 01'.356 E
Substitute	depth, *4_9m,* for depth, 5_3m	38º 18'.89 S	144º 58'.99 E
Delete	depth, 6_4m	38º 14'.32 S	145º 01'.40 E
	depth, 4_7m	38º 14'.8 S	145º 01'.4 E

604* AUSTRALIA - VICTORIA - Carpentaria Rock - Wreck
P Taylor, Australian Hydrographic Service (AA525159)

Aus 802 [*363/2011*]

Insert	depth, *42m,* enclosed by danger circle with magenta legend, *Historic Wk (see Note)*	39º 08'.73 S	146º 17'.89 E

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605(T)/2011 AUSTRALIA - QUEENSLAND - Point Danger to Point Lookout - Scientific instruments
Former Notice - 105(T)/2011 is cancelled
Maritime Safety Queensland Notice 537(T)/2011 (AA539524)

Special light buoys, *Fl(5)Y.20s,* exist in positions:
28° 10'.85 S 153° 34'.56 E
27° 58'.01 S 153° 26'.52 E
27° 29'.29 S 153° 37'.93 E.

Mariners are not to use these buoys as moorings.

Chart temporarily affected – Aus 230 – Aus 813 – Aus 814

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606(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Brisbane River - Depth information
Former Notice - 557(T)/2011 is cancelled
Brisbane Port Corporation (AA539253, AA539720)

Available depths and under keel clearances (UKC) at 16 June 2011:

	Berth	*Metres*	*Remarks*
*	Fisherman Islands No10	12.9	
*	Fisherman Islands No9	13.2	
*	Fisherman Islands No8	14.0	
*	Fisherman Islands No7	13.8	
*	Fisherman Islands No6	12.9	
*	Fisherman Islands No5	13.5	
*	Fisherman Islands No4	13.4	
*	Fisherman Islands No3	13.1	
*	Fisherman Islands No2	13.3	
	Fisherman Islands No1	13.0	
	Fisherman Islands Grain and Woodchip	12.5	
	Caltex Fisherman Islands	14.4	
*	Fisherman Islands Coal	13.8	
*	Fisherman Islands General Purpose	10.6	
*	BP Luggage Point	13.7	
	Caltex Products	10.0	
	Cement Australia Co Wharf	9.7	
	BP Products	10.5	
	Shell	11.0	
	Pacific Terminals	9.9	
	Incitec North	10.0	
*	Incitec South	10.2	
*	Pinkenba 1	10.4	
*	Pinkenba 2	10.4	
	Riverside Marina	-	
*	Sugar Terminal	9.7	
	Cairncross Fitting Out Wharf	8.2	
	Cairncross Breasting Wharf	6.7	
	Brisbane Naval Wharf	-	
	Maritime No3	5.6	(not maintained)
	Maritime No2	8.3	
	Maritime No1	9.0	
	Hamilton No4	10.3	
*	Hamilton No1	8.5	
*	Brisbane Cruise Ship Terminal	8.6	

	Metres	*UKC/Remarks*
Moreton Bay :		
North East Channel	5.5	1.5
North West Channel	15.0	2.3 (280m width)
North West Bypass Channel	9.2	1.6
Spitfire Channel	15.0	1.5 (600m width)
East Knoll Bypass Channel	6.9	1.4
East Channel	15.0	1.5 (300m width from western side)
Main Channel (M8 - M9)	10.0	1.8
Entrance Channel (E5 - EBCN)	4.7	1.5
Brisbane River :		
Entrance Beacons and Bar Cutting	13.1	1.46
Fisherman Islands Swing Basin	13.0	1.3
Pelican Banks Reach to Hamilton Reach	8.9	0.6 / 0.9 (draft/tide)
Cement Australia Swing Basin	8.8	0.6 / 0.9 (draft/tide)
Pinkenba Swing Basin	8.9	0.6 / 0.9 (draft/tide)
Hamilton Swing Basin	8.6	0.6 / 0.9 (draft/tide)

* Indicates new or revised entry.

Chart temporarily affected – Aus 235 – Aus 236 – Aus 237 – Aus 238 – Aus 814 – Aus 815

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607(P)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Rous Channel - Light buoys repositioned
Former Notice - 84(T)/2009 is cancelled
Maritime Safety Queensland Notice 524(T)/2011 (AA539523)

The light buoys have been repositioned as follows:

Number	*Position*	*Characteristic*
No1	27° 22'.75 S 153° 25'.89 E	*Fl.G.2.5s*
No2	27° 22'.96 S 153° 26'.00 E	*Q*
No3	27° 22'.94 S 153° 25'.61 E	*Fl.G.4s*
No5	27° 23'.09 S 153° 25'.22 E	*Fl.G.6s*
No7	27° 22'.76 S 153° 25'.00 E	*Fl.G.2.5s*
No4	27° 22'.45 S 153° 24'.51 E	*Fl.R.2.5s*
No6	27° 22'.35 S 153° 24'.11 E	*Fl.R.6s*
No8	27° 22'.45 S 153° 23'.84 E	*Fl.R.1.5s*
No10	27° 22'.75 S 153° 23'.66 E	*Fl.R.4s*
No9	27° 23'.10 S 153° 24'.05 E	*Fl.G.4s*
No11	27° 23'.94 S 153° 23'.42 E	*Fl.G.2.5s*
No13	27° 24'.48 S 153° 22'.03 E	*Fl.G.6s*

Chart which will be affected – Aus 236

608(P)/2011 AUSTRALIA - QUEENSLAND - Great Barrier Reef - Amendment to REEFVTS
Date - On or about 1 July 2011
Australian Maritime Safety Authority (AA539200, AA539201, AA539202, AA539203)

Mariners are advised of the following changes to the Great Barrier Reef and Torres Strait Vessel Traffic Service (REEFVTS):

- Amendments to Marine Orders 56 - the mandatory Great Barrier Reef and Torres Strait Ship Reporting System (REEFREP), and
- Revised VHF communications within the REEFVTS area.

Amendments to REEFREP
A submission by Australia to extend the area covered by the mandatory Great Barrier Reef and Torres Strait Ship Reporting System (REEFREP) to the southern boundary of the Great Barrier Reef Marine Park was approved by the International Maritime Organization in December 2010.

Marine Orders Part 56 (REEFREP) has been amended to give effect to the new REEFREP area and will come into force on 1 July 2011.

The REEFREP area will be defined by:

- the Torres Strait between longitude 141° 45' E and 144° 00' E, including the Endeavour Strait and the Great North East Channel; and
- the waters of the Great Barrier Reef between:

(i) the Australian coast, and
(ii) the outer edge of the Great Barrier Reef, as bounded by a line:
(a) starting from the outer edge of the Reef at 10°40' S 144°00' E,
(b) then running south east to 21° 00' S 152° 40' E,
(c) then running east to 21° 00' S 152° 55' E,
(d) then running south south east to 23°42' S 153°45' E,
(e) then running south south west to 24°30' S 153°35' E, and
(f) then running west to the intersection of latitude 24° 30' S with the Australian coast at the low water line.

Within the extended area, REEFVTS will provide comparable measures to enhance navigational safety and protect the marine environment as are currently provided between Torres Strait and High Peak Island.

Further information on the ship reporting requirements and vessel traffic services provided by REEFVTS is outlined in the REEFVTS User Guide. Copies may be requested by email: reefvts@amsa.gov.au or obtained on-line at www.amsa.gov.au.

The new REEFREP area will be shown on new editions of chart Aus 4620 and Aus 4621, and new charts Aus 4635 and Aus 490 (which will be available early July 2011). Annual Australian Notice to Mariners No 22, Australian Seafarers Handbook, Admiralty Sailing Directions (Australia Pilot) Vol III and Admiralty List of Radio Signals Vol 6(4) will be updated accordingly.

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608(P)/2011 AUSTRALIA - QUEENSLAND - Great Barrier Reef - Amendment to REEFVTS *(continued)*

Revised VHF communications
The VHF channels in the existing REEFVTS area have been reviewed and rationalised to VHF Channels 11 and 14. These alternate through the REEFVTS area based on latitude, as follows:

Latitude from:	*Latitude to:*	*VHF Channel*
9° 00' S	13° 30' S	14
13° 30' S	18° 00' S	11
18° 00' S	20° 00' S	14
20° 00' S	22° 00' S	11
22° 00' S	24° 30' S	14

Additional mandatory reporting points have been established in positions:

Desig	*Name*	*Position*
Z1	Swain	21° 50'.0 S 153° 10'.0 E
Z2	Archer	22° 45'.0 S 153° 25'.0 E
Z3	Sandy Cape	24° 30'.0 S 153° 35'.0 E
Z4	Port Alma	23° 23'.0 S 151° 03'.0 E
Z5	Gladstone(N)	23° 45'.0 S 151° 31'.0 E
Z6	Gladstone(E)	23° 54'.0 S 151° 45'.0 E
Z7	Bundaberg(W)	24° 30'.0 S 152° 25'.0 E
Z8	Bundaberg(E)	24° 30'.0 S 152° 48'.0 E

For additional detail see accompanying diagram.

Chart which will be affected – Aus 367 – Aus 816 – Aus 817 – Aus 818 – Aus 819 – Aus 820 – Aus 822 – Aus 4620 (INT 620) – Aus 4621 (INT 621)

609(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone – Clinton Channel - Light buoys
Maritime Safety Queensland Notice 519(T)/2011 (AA539248)

Special light buoys, *Fl.Y.2.5s,* exist in positions 23° 49'.25 S 151° 14'.37 E and 23° 49'.60 S 151° 14'.95 E.

Chart temporarily affected – Aus 244 – Aus 245

610(T)/2011 AUSTRALIA - QUEENSLAND - Hamilton Point to Friend Point - Dredging operations
Date - Until 15 December 2011
Maritime Safety Queensland Notice 517(T)/2011 (AA539251)

Dredging operations are being conducted in an area bounded by the following positions:
23° 45'.10 S 151° 10'.65 E
23° 45'.10 S 151° 10'.15 E
23° 47'.50 S 151° 11'.60 E
23° 47'.83 S 151° 12'.46 E
23° 47'.95 S 151° 13'.30 E.

A 50m exclusion zone exists around all dredging plants.

Dredge spoil will be deposited at East Bank spoil ground (23° 52'.55 S 151° 28'.50 E).

The dredges will monitor VHF Ch 13 and Ch 16.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 245 – Aus 246

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611(T)/2011 AUSTRALIA - QUEENSLAND - Hamilton Point to South Passage Island - Light buoys
Date - Until 15 December 2011
Maritime Safety Queensland Notice 520(T)/2011 (AA539247)

Light buoys exist in the following positions:

Number	*Position*	*Characteristic*
PIC1	23° 47'.28 S 151° 12'.25 E	*Fl.G.2.5s*
PIC2	23° 47'.59 S 151° 12'.41 E	*Fl.R.2.5s*
PIC3	23° 47'.16 S 151° 12'.11 E	*Fl.G.2.5s*
PIC4	23° 47'.37 S 151° 12'.18 E	*Fl.R.2.5s*
PIC5	23° 46'.95 S 151° 11'.98 E	*Fl.G.2.5s*
PIC6	23° 47'.11 S 151° 11'.85 E	*Fl.R.2.5s*
PIC8	23° 46'.96 S 151° 11'.87 E	*Fl.Y.2.5s*

Chart temporarily affected – Aus 245

612(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone - Tide Island - Wreck, light buoy southwards
Maritime Safety Queensland Notice 540(T)/2011 (AA539588)

A 100m exclusion zone exists around the wreck MT *Adonis* (23° 48'.47 S 151° 13'.57 E). The wreck is marked by a special light buoy, *Fl.Y.2.5s.*

Chart temporarily affected – Aus 245

613(T)/2011 AUSTRALIA - QUEENSLAND - North Reef - Light range restored
Former Notice - 266(T)/2011 is cancelled
Australian Maritime Safety Authority Auscoast Warning 171/11 (AA539605)

Cancel this notice on receipt.

Chart formerly affected – Aus 367 – Aus 819 – Aus 820 – AX 0820E

614(T)/2011 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Live firing
Former Notice - 472(T)/2011 is cancelled
Date - Until 30 June 2011
Maritime Safety Queensland Notice 527(T)/2011 (AA539237)

Live firing activities are being conducted in the Shoalwater Bay training area.

A marine danger area extends to all internal waters bounded by the following positions:
22° 21'.20 S 150° 10'.52 E
22° 20'.35 S 150° 12'.00 E
22° 16'.94 S 150° 12'.07 E
22° 14'.92 S 150° 20'.06 E
22° 14'.76 S 150° 20'.31 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'.19 S 150° 39'.47 E
22° 27'.02 S 150° 34'.98 E
22° 38'.18 S 150° 43'.15 E
22° 40'.00 S 150° 38'.00 E
22° 35'.87 S 150° 28'.80 E.

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

Chart temporarily affected – Aus 260 – Aus 367 – Aus 822

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615(T)/2011 AUSTRALIA - QUEENSLAND - Abbot Point - Scientific instrument
Date - Until 15 September 2011
Maritime safety Queensland Notice 533(T)/2011 (AA539595)

A special light buoy, *Fl.Y.4s,* exists in position 19° 51'.32 S 148° 03'.52 E.

Chart temporarily affected – Aus 255

616(P)/2011 AUSTRALIA - QUEENSLAND - Channel Rocks - Light buoy to be established
Date - On or about 30 June 2011
Australian Maritime Safety Authority ATH 2/11 (AA539592)

A starboard lateral light buoy, *Fl.G.5s,* with topmark, will be established in position 14° 08'.33 S 144° 28'.94 E.

Chart which will be affected – Aus 270 – Aus 833

617(T)/2011 AUSTRALIA - NORTHERN TERRITORY - Cape Wessels - Hulk westnorthwestward
HMAS *Melville* (AA539627, AA539628)

A partially submerged 25m fishing vessel is moored in position 10° 41'.56 S 135° 43'.08 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 442

618(T)/2011 AUSTRALIA - TIMOR SEA - Sahul Bank - Oilfield infrastructure removal
Date - Until 8 July 2011
PTTEP Australasia (AA537752, AA537753)

The drilling vessel *Ocean Patriot* and support vessels *Pacific Vigour, Pacific Wrestler* and *Coral,* are conducting a well abandonment program in the following positions:
11° 56'.74 S 124° 58'.69 E
12° 07'.69 S 124° 59'.78 E.

Chart temporarily affected – Aus 314

619(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Lacepede Islands - Scientific instruments recovered
Date - Until 30 January 2012
Former Notices - 68(T)/2011, 383(T)/2011 are cancelled
MetOcean Engineers (AA539586, AA539587)

Cancel this notice on receipt.

Chart formerly affected – Aus 323 – Aus 324

620(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Dredging operations
Former Notice - 723(T)/2010 is cancelled
Port Hedland Port Authority (AA539585)

Dredging operations are underway in the area bounded by the following positions:
20° 19'.74 S 118° 33'.86 E
20° 19'.47 S 118° 34'.16 E
20° 19'.55 S 118° 34'.39 E
20° 19'.66 S 118° 34'.36 E
20° 19'.92 S 118° 34'.07 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 52 – Aus 53 – Aus 54

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621(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Glomar Shoal - FPSO off station westwards
Former Notice - 575(T)/2011 is cancelled
Woodside Energy (AA537051)

The FPSO *Cossack Pioneer* (19° 35'.35 S 116° 26'.76 E) is off station; a lit riser turret mooring, *Mo(U)15s,* exists in situ.

Chart temporarily affected – Aus 327 – Aus 741

622(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instruments northwards
Former Notice - 577(T)/2011 is cancelled
Date - Until 30 November 2011
MetOcean Engineers, UKHO (AA536573, AA539590)

Scientific instruments exist as follows:

Position (WGS84 datum)	*Remarks*
19° 49'.29 S 115° 38'.17 E	5 poly floats
19° 49'.35 S 115° 38'.07 E	lit buoy, *Fl(5)Y.20s*

Chart temporarily affected – Aus 327 – Aus 328

623(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - North West Cape - FPSO off station
Prosafeproduction (AA539591)

The FPSO *Ningaloo Vision* (21° 24'.20 S 114° 05'.20 E) is off station; a riser mooring buoy exists in situ 40 metres below the sea surface.

Chart temporarily affected – Aus 328 – Aus 329

624(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Geraldton - Oakajee River - Scientific instruments
Former Notice - 1411(T)/2010 is cancelled
Date - Until 31 December 2011
MetOcean Engineers (AA539586, AA539587)

Scientific instruments exist as follows:

Position (WGS84 datum)	*Remarks*
28° 34'.97 S 114° 33'.90 E	lit buoy, *Fl(5)Y.20s*
28° 35'.51 S 114° 33'.71 E	lit buoy, *Fl(5)Y.20s*
28° 35'.21 S 114° 34'.55 E	lit buoy, *Fl(5)Y.20s*

Chart temporarily affected – Aus 332 – Aus 751

625(T)/2011 AUSTRALIA - SOUTH AUSTRALIA - Thevenard - Beacon destroyed
Department of Transport, Energy and Infrastructure SA Notice 23/2011 (AA539589)

The starboard lateral light beacon (32° 08'.56 S 133° 38'.38 E) has been destroyed; a starboard lateral light buoy, *Fl.G.2.5s,* exists in situ.

Chart temporarily affected – Aus 120 – Aus 122

HYDROGRAPHIC REPORTS

Locality	*Report*	*Ship/Authority*	*Observer*
VIC- Carpentaria Rock	Wreck		P Taylor

NAVIGATION WARNINGS

The following radio messages have been received during the period to 17 June 2011. 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

168 Cancelled.

169 Drill rig *Transocean Legend* in position 20º 28'·79 S 113º 54'·35 E. 2.5M clearance requested.

170 Cancelled.

171 Cancelled.

172 Port Walcott light buoy in position 20º 26'·0 S 117º 23'·2 E unlit.

173 Cancelled.

174 Drill rig *Ocean Patriot* in position 11º 56'·32 S 124º 59'·44 E. 2.5M clearance requested.

175 Cancelled.

176 8 lit surface buoys within 1·5M radius of position 20º 04'·9 S 113º 49'·9 E.

NAVAREA X WARNINGS

006 In response to the situation at the Fukushima nuclear power plant in Japan, the Australian radiation protection and nuclear safety agency (ARPANSA) and Australian Maritime Safety Authority (AMSA) remind shipping that the cautionary zones promulgated by ARPANSA should be applied to ships transiting the area.

As such vessels should not transit within 16M (30km) of the Fukushima nuclear power plant (37° 19'.0 N 141° 01'.0 E) and should avoid transiting within 43M (80km) of the Fukushima nuclear power plant. Mariners are advised that this recommendation should be considered a minimum distance. Prudent route planning should incorporate prevailing and changing wind and weather conditions, in addition to the other precautionary measures.

In the event a vessel bound for an Australian port transits through the 43M (80km) cautionary area, it is requested the vessel's master submit transit information, including the date and total time within the cautionary area, to ARPANSA. Such reports should be submitted via the AMSA incident reporting system details of which are provided at: www.amsa.gov.au/shipping_safety/incident_reporting/

An updated notice will be provided as additional guidance becomes available. Mariners should keep abreast of information being provided by the government of Japan relating to any further potential impacts.

Navigational warnings in force as at 170001UTC JUN 11.

Auscoast
2011 015 029 094 118 129 140 149 152 153 154 155 156 157 158 160 165 166 169 172 174 176

Navarea X
2011 001 006

Summary of mobile drilling rigs as at 170001UTC JUN 11.

Name	*Position*
Ocean America	13º 12'·58 S 122º 37'·20 E
Stena Clyde	19º 15'·50 S 116º 38'·30 E
Ocean Patriot	11º 56'·32 S 124º 59'·44 E
Ensco 109	20º 04'·42 S 115º 17'·83 E
Maersk Discoverer	19º 54'·90 S 115º 15'·10 E
Atwood Eagle	20º 14'·16 S 115º 01'·73 E
Atwood Osprey	20º 08'·12 S 114º 06'·98 E
Nan Hai 6	21º 26'·00 S 114º 02'·00 E
Transocean Legend	20º 28'·79 S 113º 54'·35 E

NAVAREA XIV WARNINGS

048 Cancelled
049 Cancelled
050 Cancelled
051 Cancelled
052 Cancelled
053 Cancelled
054 South Pacific Ocean. Kermadec Islands northwards. Volcanic Activity. Underwater volcanic activity reported 172045 UTC May 2011 in vicinity 25º 53'·0 S 117º 11'·0 W. Mariners are advised gas may be present at the sea surface and to keep watch for discoloured water.

Navarea XIV warnings in force as at 170001UTC JUN 11.

2010 047
2011 042 054

6.7 Downloading Log Sheets

1. The Chart and Publication Maintenance log sheets in this chapter are available for download from the AHS website, as an excel spreadsheet or PDF. Select the *Products and Services tab,* then select *Chart and Publications Maintenance Handbook* in the drop down menu. *Product Downloads* can be located at the bottom of the page.

Website link:	www.hydro.gov.au/prodserv/cpmh.htm

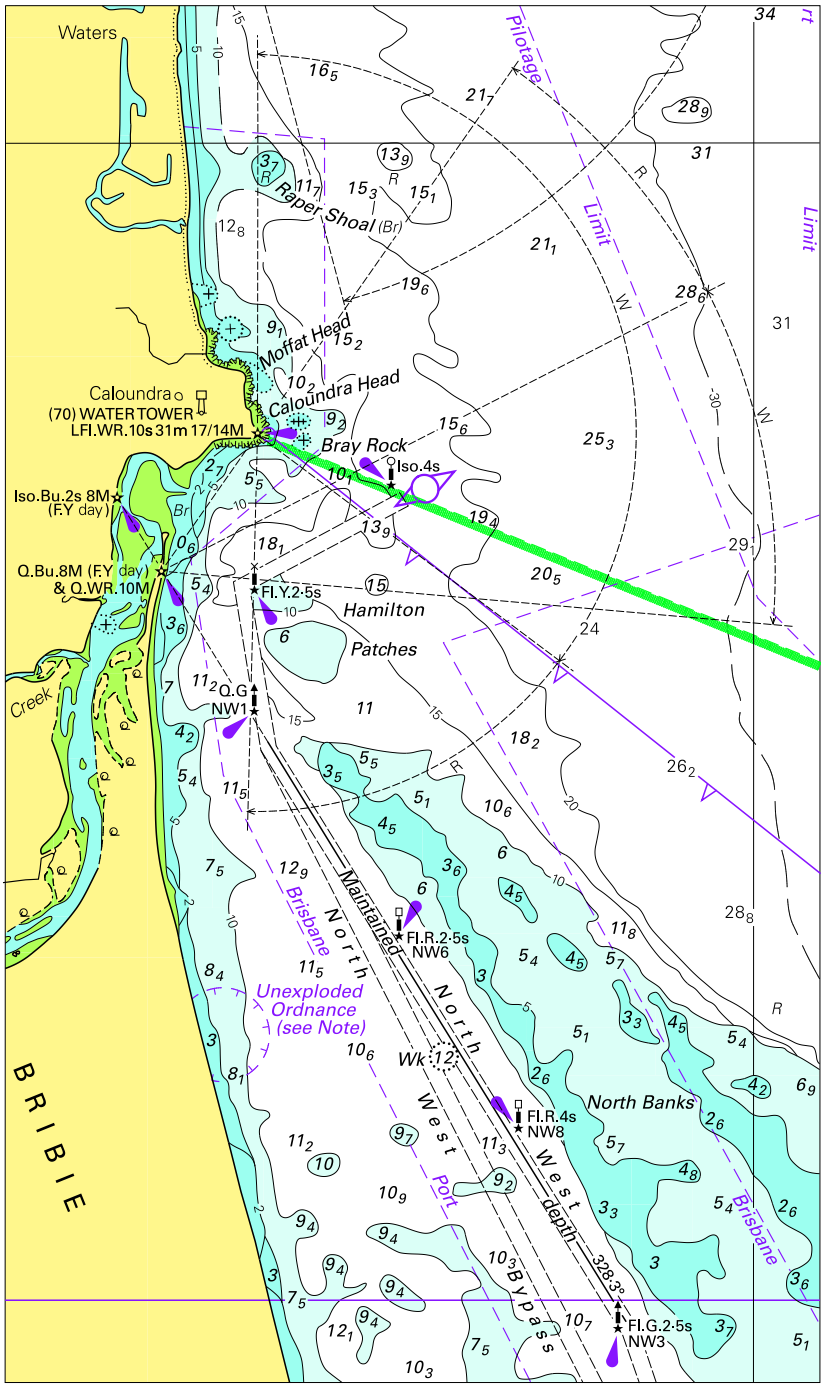
To accompany Australian Notice to Mariners 600/2011

UNEXPLODED ORDNANCE

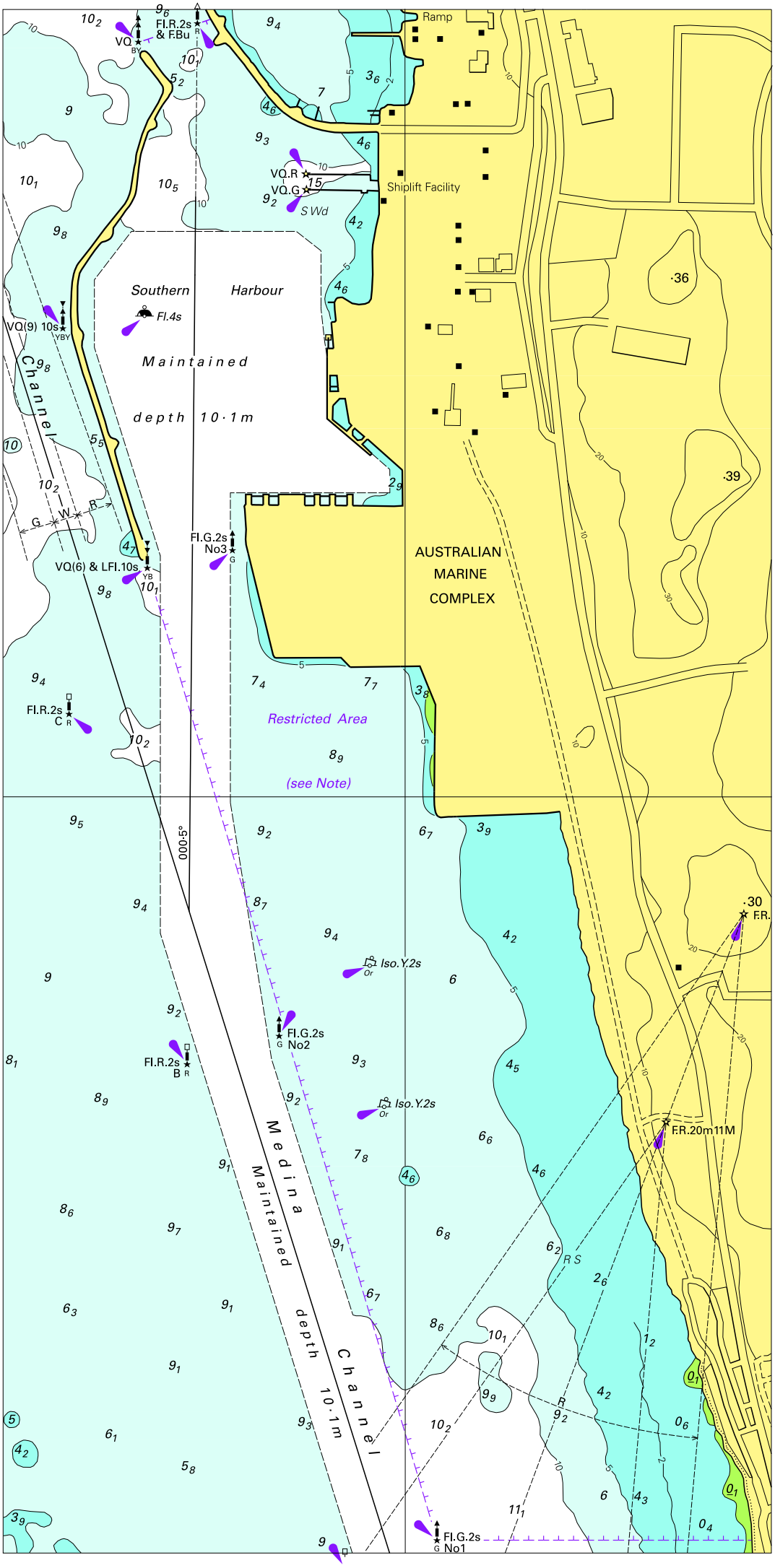
This area is safe for surface navigation only; it is not safe for anchoring, trawling or seabed activities. For details see Australian Notice to Mariners No 12.

Note for chart Aus 143.

To accompany Australian notice to Mariners 589/2011



Block for chart Aus 815 © Commonwealth of Australia 2011 (182·1 x 107·8mm)



(140·7 x 282·8mm)

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To accompany Australian Notice to Mariners 597/2011

Block for chart Aus114

To accompany Australian Notice to Mariners 608(P)/201

