

11 January 2013

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

AUSTRALIAN NOTICES TO MARINERS

Notices 28 – 78 루

Published fortnightly by the Australian Hydrographic Service

Commodore R. NAIRN RAN Hydrographer of Australia

SECTIONS.

- I. Australian Notices to Mariners, including blocks and notes.
- II. Hydrographic Reports.
- III. Navigational Warnings.

SUPPLEMENTS.

- I. Tracings
- II. Cumulative List of Australian Notices to Mariners.
- 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).

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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

Copies of Australian notices are available free of charge from the Australian Hydrographic Service (AHS) website (www.hydro.gov.au) and through the eNotices (email) service (www.hydro.gov.au/enotices/enotices.htm).

Individual Notices may be copied for the purpose of inserting Notice substance on official charts and publications. Paper copies may be printed by chart agents and distributed to customers on a cost recovery basis. Participating chart agents are listed on the AHS website as providing a 'Paper Notices to Mariners' service (www.hydro.gov.au/prodserv/distributors/distributors.htm). Copies of the notices may not be sold for profit without prior written agreement.

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28 AUSTRALIA - Products

Australian Hydrographic Service (AA645583, AA645707, AA645708, AA645709)

New Edition Chart Aus 5000 Aus 5001	Published 11/1/2013 11/1/2013	<i>Title and description of amendments</i> Australian Index of Nautical Charts - No Australian Index of Nautical Charts - So			<i>Price</i> \$17.50 \$17.50
New Miscella Chart AX 00044U	Published 11/1/2013	Title Timor Sea - Ashmore Reef		Scale 1:37 500	Remarks Fleet use only
New Edition <i>Chart</i> Aus 319	Title	orth West Coast - Western Australia - Pe	nguin Shoal to	<i>Scale</i> 1:300 000	<i>Expected Publication Date</i> 25 January 2013
New Edition No AHP 20	Title	andbook for Australian Waters 3rd	Price \$59.95	Remarks The Australiar Edition is cano	n Seafarer's Handbook 2nd celled.

For further details refer to the AHS website at www.hydro.gov.au for new edition and new chart stock arrival information.

When placing orders with a chart agent, mariners should advise whether their order pertains to the current edition or the new edition.

29 AUSTRALIA - Product - Amendment to Australian National Tide Tables 2013 Australian Hydrographic Service (AA643554)

-	
Page xxxvi <i>Amend</i>	Port Pirie To Chart Datum AUS 136 NC 14 DEC 2012 0.0
Page xxxviii <i>Amend</i>	Whyalla To Chart Datum AUS 136 NC 14 DEC 2012 0.0
Page 40 Amend	Twin Island 8 December from 0459 1.5 to 0848 1.7
Page 418 <i>Amend</i>	Glyde Point (Port No 63240) To Chart Datum to 0.0

30*	AUSTRALIA - NEW SOUTH WALES - Port Jackson - White Horse Point to Cockatoo Island - Submarine cable	,
NSW Ro	pads and Maritime Services (AA643431)	

Aus 200 [11]	73/2012]		
Insert	submarine cable, between	33º 51'.199 S	151º 10'.334 E
		33º 51'.086 S	151º 10'.333 E
		33º 50'.989 S	151º 10'.311 E
		33º 50'.967 S	151º 10'.315 E
Aus 202 [11]	73/2012]		
•	submarine cable, between	33º 51'.199 S	151º 10'.334 E
		33º 51'.086 S	
		33º 50'.989 S	
		33º 50'.967 S	151º 10'.315 E
Aus 203 [536	5/2012]		
•	submarine cable, between	33º 51'.199 S	151º 10'.334 E
		33º 51'.086 S	
AX 00202T [-		
Insert	submarine cable, between	33º 51'.199 S	151º 10'.334 E
		33º 51'.086 S	
		33º 50'.989 S	
		33º 50'.967 S	151º 10'.315 E

AUSTRALIA - QUEENSLAND - Townsville - Lights 31*

Maritime Safety Queensland Notice 1306/2012 (AA642641)

Aus 256 [<i>11</i> Amend	19/2012] light to Ldg Iso.Bu & Q.Bu (F Day (occas))	19º 14'.8 S	146º 50'.3 E
Aus 257 [<i>84</i> Amend	0/2012] light to Q.Bu (F Day (occas)) light to Iso.Bu.2s (F Day (occas))	19º 14'.78 S 19º 14'.83 S	146º 50'.33 E 146º 50'.33 E

32* AUSTRALIA - TORRES STRAIT - Madge Reef - Wreck *Former Notice* - 958(T)/2012 is cancelled Maritime Safety Queensland Notice 1300/2012 (AA642505)

Aus 29 Insert	3 [1246/2012] least depth, 2_5m , enclosed by danger circle with legend, <i>Wk</i>	10º 35'.694 S	142º 14'.474 E
Aus 29 Insert	9 [<i>1246/2012</i>] least depth, <i>2₅m</i> , enclosed by danger circle with legend, <i>Wk</i>	10º 35'.694 S	142º 14'.474 E
33*	AUSTRALIA - QUEENSLAND - Weipa - Light altered		

Maritime Safety Queensland Notice 1340/12 AA644647

Aus 4 [<i>NE 16/1</i> Amend li	11/2012] ight to <i>LFI.10s</i>	12º 42'.14 S	141º 40'.02 E
Aus 301 [<i>1246,</i> Amend li	/2012] ight to <i>LFI.10s</i>	12º 42'.14 S	141º 40'.02 E

Aus 722 [<i>58</i> Insert	8/2012] magenta limits, with legend <i>Aus 20</i> in NE corner,		
	between	12º 11'.7 S	130º 51'.2 E
		12º 11'.7 S	131º 19'.7 E
		11º 54'.0 S	131º 19'.7 E
		11º 54'.0 S	130º 51'.2 E
		12º 11'.7 S	130º 51'.2 E
Delete	magenta limits, with legend Aus 20, centred on	12º 03'.0 S	131º 06'.0 E
AX 00722T [NE 14/12/2012]		
Insert	magenta limits, with legend Aus 20 in NE corner,		
	between	12º 11'.7 S	130º 51'.2 E
		12º 11'.7 S	131º 19'.7 E
		11º 54'.0 S	131º 19'.7 E
		11º 54'.0 S	130º 51'.2 E
		12º 11'.7 S	130º 51'.2 E
Delete	magenta limits, with legend Aus 20, centred on	12º 03'.0 S	131º 06'.0 E

35* AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm - Light Darwin Port Corporation Notice 177/2012 (AA642246)

Aus 26 [124 Insert	47/2012] light, Oc.R.3s	12º 29'.2 S	130º 52'.6 E
Aus 28 [<i>124</i> Insert	47/2012] light, <i>Oc.R.3</i> s	12º 29'.201 S	130º 52'.596 E
AX 00026T Insert	[<i>NE 14/12/2012</i>] light, <i>Oc.R.3</i> s	12º 29'.2 S	130º 52'.6 E

34* AUSTRALIA - NORTHERN TERRITORY - Clarence Strait - Chart limits Australian Hydrographic Service (AA642017)

36* AUSTRALIA - WESTERN AUSTRALIA - Lacepede Islands to Eighty Mile Beach - Marine farms Department of Fisheries WA (DHDB 2112923)

Note: the accompanying note for notice 1250/2012 in Edition 25 was issued in error. The correct marine farm note is attached at the end of this edition.

Aus 323 [12			
Insert	dashed line and marine farm symbol with legend (see		
	Note), between	16º 57'.52 S	122º 11'.88 E
		16º 58'.52 S	122º 11'.88 E
		16º 57'.32 S	122º 14'.28 E
		16º 56'.52 S	122º 13'.78 E
		16º 57'.52 S	122º 11'.88 E
	marine farm symbol with legend (see Note), centred		
	on	17º 02'.24 S	122º 16'.82 E
Aus 324 [12			
Insert	dashed line and marine farm symbol with legend (see		
	Note), between	18º 23'.50 S	121º 40'.50 E
		18º 24'.22 S	121º 41'.30 E
		18º 22'.50 S	121º 42'.50 E
		18º 23'.00 S	121º 43'.50 E
		18º 22'.45 S	121º 43'.90 E
		18º 21'.10 S	121º 42'.10 E
		18º 23'.50 S	121º 40'.50 E
	marine farm symbol with legend (see Note), centred	10 20.00 0	121 40.00 E
	on	18º 11'.58 S	121º 59'.16 E
	marine farm symbol with legend (see Note), centred	10 11.50 0	121 33.10 L
		18º 07'.92 S	121º 59'.24 E
	On marine form symbol with learned (ass Mate) control	10° 07 .92 3	121° 59.24 E
	marine farm symbol with legend (see Note), centred		
	ON	18º 00'.0 S	122º 04'.9 E
	marine farm symbol with legend (see Note), centred		
	on	17º 26'.4 S	122º 05'.5 E
	dashed line and marine farm symbol with legend (see		
	Note), between	18º 43'.22 S	121º 34'.58 E
		18º 43'.22 S	121º 35'.28 E
		18º 42'.02 S	121º 35'.28 E
		18º 39'.92 S	121º 37'.28 E
		18º 39'.32 S	121º 36'.38 E
		18º 40'.72 S	121º 34'.88 E
		18º 42'.02 S	121º 34'.58 E
		18º 43'.22 S	121º 34'.58 E
Delete	marine farm, centred on	19º 11'.0 S	121º 13'.0 E
	marine farm, centred on	18º 34'.5 S	121º 43'.0 E
	marine farm, centred on	18º 26'.0 S	121º 49'.5 E

37* AUSTRALIA - WESTERN AUSTRALIA - Glomar Shoal - Light buoys eastwards and northwards MetOcean Engineers (AA641768)

Aus 327 [1	187/2012]		
Move	light buoy	18º 45'.4 S	117º 01'.8 E
	to	18º 45'.48 S	117º 01'.22 E
	light buoy	19º 31'.2 S	117º 03'.1 E
	to	19º 31'.48 S	117º 02'.59 E
Aus 741 [10	077/2012]		
Move	light buoy	19º 31'.2 S	117º 03'.1 E
	to	19º 31'.48 S	117º 02'.59 E

38* AUSTRALIA - WESTERN AUSTRALIA - Dampier - Light beacons altered Dampier Port Authority, Australian Hydrographic Service AA500309, AA536213

Aus 58 [<i>11</i> Amend	light characteristic to <i>AIFI.GBuBu.6s</i> light characteristic to <i>AIFI.WBuBu.6s</i>	20º 32'.91 S 20º 33'.23 S 20º 33'.49 S	116º 42'.65 E 116º 42'.56 E 116º 42'.78 E
Aus 59 [59			
Amend	light characteristic to <i>AIFI.GBuBu.6s</i> 13 <i>m</i> 7 <i>M</i> light characteristic to <i>AIFI.WBuBu.6s</i> 24 <i>m</i> 7 <i>M</i> light characteristic to <i>AIFI.GBuBu.6s</i> 13 <i>m</i> 7 <i>M</i> light elevation to 13 <i>m</i> light elevation to 22 <i>m</i>	20º 32'.91 S 20º 33'.23 S 20º 33'.49 S 20º 36'.40 S 20º 36'.52 S	116º 42'.65 E 116º 42'.56 E 116º 42'.78 E 116º 45'.30 E 116º 45'.40 E

AUSTRALIA - WESTERN AUSTRALIA - Dampier - Light buoys 39*

MetOcean Engineers (AA641768)

Aus 58 [38/2013] Insert special spherical light buoy, <i>Fl(5)Y.20s</i> , without				
	topmark	20º 33'.050 S	116º 43'.027 E	
Move	light buoy	20º 32'.96 S	116º 43'.13 E	
	to	20º 32'.882 S	116º 43'.113 E	
Aus 59 [38/2013]				
Insert	special spherical light buoy, <i>FI(5)Y.20s,</i> without topmark	20º 33'.050 S	116º 43'.027 E	
Move	light buoy	20º 34'.89 S	116º 46'.10 E	
	to light buoy	20º 34'.931 S 20º 32'.92 S	116º 46'.082 E 116º 43'.11 E	
	ngni buoy	20° 32'.882 S	116º 43'.113 E	

40* INDIAN OCEAN - Cocos Islands - South Keeling - Navaids, infrastructure LADS Flight (AA642286, AA642288)

Aus 607 [439/2012]

Insert	light beacon, <i>FI.G.2.5s No3,</i> with starboard lateral topmark	12º 06'.419 S	96º 51'.881 E
Delete	light beacon	12º 06'.40 S	96º 51'.81 E
	jetty with legend, centred on	12º 08'.48 S	96º 49'.04 E

SOUTHERN OCEAN - Iles Kerguelen - Depths 41* UKHO (AA643869)

Aus 597 [<i>194</i> Insert	4/2012] depth, 174m, enclosed by contour	49º 34'.0 S	70º 26'.8 E
Delete	depth, 8m and enclosing contour	49º 34'.0 S	70º 26'.0 E

42* AUSTRALIA - WESTERN AUSTRALIA - King George Sound - Frenchman Bay - Buoys Department of Transport WA (AA636550 - AA636552)

Aus 109 [11	89/2012]		
Delete	buoy	35º 04'.28 S	117º 56'.35 E
	buoy	35º 04'.29 S	117º 56'.55 E
	buoy	35º 04'.08 S	117º 56'.57 E
	buoy	35º 04'.07 S	117º 56'.37 E
Aus 110 [68	86/2012]		
Delete	buoy	35º 04'.28 S	117⁰ 56'.35 E
	buoy	35º 04'.29 S	117º 56'.55 E
	buoy	35º 04'.08 S	117º 56'.57 E
	buoy	35º 04'.07 S	117º 56'.37 E
AX 00110S	[NE 9/2/2012]		
Delete	buoy	35º 04'.28 S	117º 56'.35 E
20.010	buoy	35º 04'.29 S	117º 56'.55 E
	buoy	35º 04'.08 S	117º 56'.57 E
	buoy	35º 04'.07 S	117º 56'.37 E

43* AUSTRALIA - SOUTH AUSTRALIA - Spencer Gulf - Chart limits

Australian Hydrographic Service (AA642017)

Aus 778 [1127/2012]

Insert	magenta limits, with legend Aus 136 in SW corner,		
	between	33º 12'.0 S	137º 31'.6 E
		33º 12'.0 S	138º 02'.9 E
		32º 53'.7 S	138º 02'.9 E
		32º 53'.7 S	137º 31'.6 E
		33º 12'.0 S	137º 31'.6 E
Delete	magenta limits, with legend Aus 136, centred on	33º 03'.0 S	137º 48'.0 E

44* AUSTRALIA - SOUTH AUSTRALIA - Spencer Gulf - Anchorages

Department of Planning, Transport and Infrastructure SA (AA643414)

Aus 778 [43/2013]

Insert	anchor berth, desig <i>TP3,</i> with 0.5M radius swinging circle	33º 10'.2 S	137º 37'.2 E
Amend	desig to <i>TP2</i>	33º 09'.2 S	137º 38'.4 E
	desig to <i>TP1</i>	33º 06'.2 S	137º 38'.5 E

45* AUSTRALIA - TASMANIA - Prince of Wales Bay - Wreck salvaged Parks and Wildlife Service Tasmania (AA643173)

Aus 172 [<i>1259/2012</i>] Delete wreck	42º 49'.86 S	147º 18'.28 E
Aus 172 (plan, Bowen Bridge Delete wreck	e) 42º 49'.86 S	147º 18'.28 E

46* AUSTRALIA - TASMANIA - Franklin Sound - Marine farms Department of Primary Industries, Parks, Water and Environment (DHDB 2186071)

Aus 179 (plan, Franklin Sound) [NC 25/3/2011]

Insert	marine farm symbol with legend (see Note), centred		
msen	On	40º 18'.16 S	148º 17'.44 E
		40° 18.18 S 40° 17'.37 S	148º 17'.44 E 148º 19'.00 E
	dashed line, between	40° 17'.37 S 40° 17'.95 S	
	deelered line the twee		148º 18'.86 E
	dashed line, between	40º 14'.08 S	148º 12'.37 E
	daabad Para batuuraa	40º 14'.18 S	148º 12'.54 E
	dashed line, between	40º 14'.50 S	148º 11'.97 E
		40º 14'.58 S	148º 12'.13 E
Delete	marine farm, centred on	40º 13'.7 S	148º 12'.3 E
	marine farm, centred on	40º 14'.9 S	148º 13'.0 E
	marine farm, centred on	40º 17'.8 S	148º 14'.8 E
	dashed line, between	40º 17'.4 S	148º 19'.0 E
		40º 17'.6 S	148º 18'.6 E
		40º 17'.7 S	148º 18'.3 E
		40º 17'.9 S	148º 18'.2 E
		40º 18'.1 S	148º 18'.3 E
		40º 18'.0 S	148º 18'.6 E
		40º 18'.0 S	148º 18'.9 E
	marine farm, centred on	40º 19'.4 S	148º 14'.0 E
	marine farm, centred on	40º 20'.0 S	148º 08'.3 E
	marine farm, centred on	40º 20'.3 S	148º 11'.0 E
	dashed line, between	40º 14'.1 S	148º 12'.4 E
		40º 13'.9 S	148º 12'.6 E
		40º 13'.9 S	148º 12'.7 E
		40º 14'.2 S	148º 12'.5 E
	dashed line, between	40º 14'.6 S	148º 12'.1 E
		40º 14'.7 S	148º 12'.0 E
		40º 14'.6 S	148º 11'.9 E
		40º 14'.5 S	148º 12'.0 E
Aus 179 (pl	an, Approaches to Lady Barron)		
Insert	marine farm symbol with legend (see Note), centred		
	on	40º 12'.92 S	148º 14'.31 E
	dashed line, between	40º 14'.083 S	148º 12'.370 E
		40º 14'.176 S	148º 12'.540 E
	dashed line, between	40º 14'.501 S	148º 11'.965 E
		40º 14'.581 S	148º 12'.133 E
Delete	marine farm, centred on	40º 13'.7 S	148º 12'.3 E
20.010	marine farm, centred on	40º 14'.9 S	148º 13'.0 E
	dashed line, between	40º 14'.08 S	148º 12'.37 E
		40º 13'.90 S	148º 12'.55 E
		40° 13'.94 S	148º 12'.71 E
		40º 14'.18 S	148º 12'.54 E
	dashed line, between	40º 14'.58 S	148º 12'.13 E
		40° 14'.66 S	148º 12'.13 E 148º 11'.99 E
		40° 14'.59 S	148º 11'.88 E
		40° 14'.59 S 40° 14'.50 S	148º 11'.97 E
		-0 IF.000	140 11.37 L

Department of Primary Industries, Parks, Water and Environment (DHDB 2186071)				
on	arm symbol with legend <i>(see Note)</i> , centred anying note	39º 55'.8 S 39º 57'.0 S		
48* AUSTRALIA Port of Melbourne Cor	- VICTORIA - Point Nepean - Beacon poration (AA640331)			
Aus 144 [<i>1193/2012</i>] Delete beacon		38º 18'.12 S	144º 39'.14 E	
Aus 158 [<i>1195/2012</i>] Delete beacon		38º 18'.11 S	144º 39'.14 E	
49* AUSTRALIA - VICTORIA - Corner Inlet - Bentley Point - Light beacon Former Notice - 839(T)/2011 is cancelled Gippsland Ports (AA643469)				

AUSTRALIA - TASMANIA - Marshall Bay - Marine farm

 Aus 181 [1196/2012]

 Delete
 light beacon
 38º 46'.6 S
 146º 29'.4 E

47*

50(T)/2013 AUSTRALIA - NEW SOUTH WALES - Newcastle - Depth information Former Notice - 1262(T)/2012 is cancelled

Newcastle Port Corporation (AA643551)

Available depths as at 17 December 2012:

Available depths as at 17 December 2012:		
Berth	Metres	Remarks
Western Basin 3	11.6	
Western Basin 4	11.6	
Eastern Basin 1	11.6	
Eastern Basin 2 North of Ch 450	11.6	
Eastern Basin 2 South of Ch 450	11.6	
Channel Berth	8.5	
Dyke 1	12.8	
Dyke 2	12.8	
Dyke 4	16.5	
Dyke 5	16.5	
Dyke 6	5.0	
Mayfield 4 Ch 27 to 266	11.8	
BHP Wharf 6 to Ch 1050	7.3	
Kooragang 2	11.6	
Kooragang 2 North Dolphin Ch 182 to 228	11.6	
Kooragang 2 South Dolphin Ch -92 to 00	11.0	
Kooragang 3	13.2	
Kooragang 4	16.5	
Kooragang 5	16.5	
Kooragang 6	16.3	
Kooragang 7	16.5	
* Kooragang 8	16.2	
* Kooragang 9	16.0	
* Kooragang 10	16.5 Cł	nart to be amended shortly
Throsby 1	8.4	·····,
Carrington Wharf	To be so	ounded as and when required
Foreshore Park Berth	5.9	
Elgo Wharf	To be so	ounded as and when required
Channels		
Entrance Approach	17.7	
Entrance Channel (18.0m)	18.0	
Entrance Channel (17.4m)	17.4	
Entrance Channel (16.8m)	16.8	
Entrance Channel (16.2m)	16.2	
Entrance Channel to Horseshoe	15.2	
Horseshoe	15.1	
Steelworks Channel to Swinging Basin	15.2	
Swinging Basin	14.8	
Hunter River South Arm (Kooragang 6 to buoy 16)	15.0	
Hunter River South Arm (buoy 16 to buoy 18)	14.7	
Basin Cutting	12.6	
Basin Area to Eastern & Western Basin Berths	12.3	
Basin Area to 1 Throsby	9.4	
Stockton Crossing	3.6	
* Indicates revised entry.	0.0	
· · · · · · · · · · · · · · · · · · ·		

Chart temporarily affected - Aus 207 - Aus 208

51(T)/2013 AUSTRALIA - QUEENSLAND - Moreton Bay - Brisbane River - Depth information

Former Notice - 1264(T)/2012 is cancelled

Brisbane Port Corporation (AA645984), Maritime Safety Queensland Notices 1305(T)/2012 (AA643540)

Available depths and under keel clearances (UKC) at 10 January 2013:

Dorth		January 2013:
Berth	Metre	Remarks
* Fisherman Islands No11	13.7	Chart to be amended shortly
* Fisherman Islands No10	13.9	
* Fisherman Islands No9	13.9	
* Fisherman Islands No8	13.9	
Fisherman Islands No7	14.0	
Fisherman Islands No6	14.1	
Fisherman Islands No5	14.0	
Fisherman Islands No4	13.8	
Fisherman Islands No3	14.0	
Fisherman Islands No2	14.0	
Fisherman Islands No1	14.0	
Fisherman Islands Grain and Woodchip	13.2	
Caltex Fisherman Islands	14.5	
* Fisherman Islands Coal	14.0	
Fisherman Islands General Purpose	14.0	
•	14.3	
BP Luggage Point Caltex Products	14.3	
Cement Australia Co Wharf	9.8	
BP Products	10.6	
Shell	11.0	
Pacific Terminals	10.8	
Incitec North	10.1	
Incitec South	10.4	
Pinkenba 1	10.4	
Pinkenba 2	10.4	
Riverside Marina	-	
Sugar Terminal	9.8	
Cairncross Fitting Out Wharf	8.3	
Cairncross Breasting Wharf	6.3	
Brisbane Naval Wharf	4.3	
Maritime No1	9.0	
* Hamilton No4	9.9	
	9.9 8.8	
* Hamilton No4		
* Hamilton No4 Hamilton No1	8.8 9.0	LIKC/Remarks
* Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal	8.8	UKC/Remarks
* Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> :	8.8 9.0 Metres	
* Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel	8.8 9.0 <i>Metres</i> 15.0	2.3 (280m width)
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel 	8.8 9.0 <i>Metres</i> 15.0 9.2	2.3 (280m width) 1.6
* Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel	8.8 9.0 <i>Metres</i> 15.0	2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m,</i> exists in position
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E.
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0	2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m,</i> exists in position 27° 02'.39 S 153° 15'.66 E. 1.4
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side)
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m,</i> exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side)
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) Entrance Channel (E5 - EBCN) 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m,</i> exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) Entrance Channel (E5 - EBCN) <i>Brisbane River</i> : 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0 14.7	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8 1.5
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) Entrance Channel (E5 - EBCN) <i>Brisbane River</i> : * Entrance Beacons and Inner Bar Cutting 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0 14.7 13.9	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8 1.5
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) Entrance Channel (E5 - EBCN) <i>Brisbane River</i> : * Entrance Beacons and Inner Bar Cutting Entrance Beacons and Outer Bar Cutting 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0 14.7 13.9 14.0	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8 1.5
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) Entrance Channel (E5 - EBCN) <i>Brisbane River</i> : * Entrance Beacons and Inner Bar Cutting Entrance Beacons and Outer Bar Cutting Fisherman Islands Swing Basin 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0 14.7 13.9 14.0 13.9	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8 1.5
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) Entrance Channel (E5 - EBCN) <i>Brisbane River</i> : * Entrance Beacons and Inner Bar Cutting Entrance Beacons and Outer Bar Cutting Fisherman Islands Swing Basin Pelican Banks Reach to Hamilton Reach 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0 14.7 13.9 14.0 13.9 9.1	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8 1.5 1.46 1.46 1.46 1.3 0.6 / 0.9 (draft/tide)
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) Entrance Channel (E5 - EBCN) <i>Brisbane River</i> : * Entrance Beacons and Inner Bar Cutting Entrance Beacons and Outer Bar Cutting Fisherman Islands Swing Basin Pelican Banks Reach to Hamilton Reach Cement Australia Swing Basin 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0 14.7 13.9 14.0 13.9 9.1 9.1	2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m,</i> exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8 1.5 1.46 1.46 1.3 0.6 / 0.9 (draft/tide) 0.6 / 0.9 (draft/tide)
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) Entrance Channel (E5 - EBCN) <i>Brisbane River</i> : * Entrance Beacons and Inner Bar Cutting Entrance Beacons and Outer Bar Cutting Fisherman Islands Swing Basin Pelican Banks Reach to Hamilton Reach Cement Australia Swing Basin Pinkenba Swing Basin 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0 14.7 13.9 14.0 13.9 9.1 9.1 9.1	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8 1.5 1.46 1.46 1.46 1.3 0.6 / 0.9 (draft/tide) 0.6 / 0.9 (draft/tide) 0.6 / 0.9 (draft/tide) 0.6 / 0.9 (draft/tide)
 * Hamilton No4 Hamilton No1 Brisbane Cruise Ship Terminal <i>Moreton Bay</i> : North West Channel North West Bypass Channel Spitfire Channel East Knoll Bypass Channel East Channel Main Channel (M8 - M9) Entrance Channel (E5 - EBCN) <i>Brisbane River</i> : * Entrance Beacons and Inner Bar Cutting Entrance Beacons and Outer Bar Cutting Fisherman Islands Swing Basin Pelican Banks Reach to Hamilton Reach Cement Australia Swing Basin 	8.8 9.0 <i>Metres</i> 15.0 9.2 15.0 6.0 15.0 10.0 14.7 13.9 14.0 13.9 9.1 9.1	 2.3 (280m width) 1.6 1.5 (600m width) Shoaling least depth, <i>14.6m</i>, exists in position 27° 02'.39 S 153° 15'.66 E. 1.4 1.5 (300m width from western side) 1.8 1.5 1.46 1.46 1.46 1.3 0.6 / 0.9 (draft/tide) 0.6 / 0.9 (draft/tide)

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

52(T)/2013 AUSTRALIA - QUEENSLAND - Mooloolaba - Shoaling; dredging operations

Former Notice - 1268(T)/2012 is cancelled Maritime Safety Queensland Notice 6(T)/2013 (AA645327)

Shoaling with a least depth of 0.7m exists within the main channel to Mooloolah River. Shoaling with a least depth of 0.2m exists adjacent to the end of the eastern breakwater in the vicinity of position 26° 40'.76 S 153° 07'.94 E.

A port lateral light buoy, Fl.R.2.5s, exists in position 26° 40'.76 S 153° 07'.88 E and marks the western edge of the shoal.

The dredge *Navua* is conducting dredging operations in the entrance channel. A floating pipeline exists from the dredge to the western breakwater. The dredge will display appropriate lights and shapes and will monitor VHF Ch 12, Ch 16 and Ch 73.

Mariners are advised to keep at least 30m clear from the seaward end of the eastern breakwater due to obstructions and to navigate with caution in the area.

Chart temporarily affected – Aus 235

53(T)/2013 AUSTRALIA - QUEENSLAND - Round Hill Head - Wreck

Maritime Safety Queensland Notices 1321(T)/2012, 1342(T)/2012 (AA643596, AA644831))

A wreck marked by a special light buoy, FI.Y.2.5s, exists in position 24° 10'.13 S 151° 52'.75 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 818

54(T)/2013 AUSTRALIA - QUEENSLAND - Gladstone - Calliope River - Light buoys Maritime Safety Queensland Notices 401(T)/2012, 8(T)/2013 (AA645391, AA645373)

Light buoys exist as follows:				
Number	Position	Characteristic		
	23° 48'.64 S 151° 13'.81 E	Fl.4s		
	23° 48'.77 S 151° 13'.78 E	Fl.4s		
CR1	23° 48'.84 S 151° 13'.80 E	Fl.G.2.5s		
	23° 48'.89 S 151° 13'.73 E	Fl.4s		
	23° 48'.97 S 151° 13'.66 E	Fl.4s		
CR2	23° 48'.83 S 151° 13'.76 E	Fl.R.2.5s		
CR3	23° 48'.93 S 151° 13'.73 E	Fl.G.2.5s		
CR4	23° 49'.07 S 151° 13'.61 E	Fl.R.2.5s		
CR5	23° 49'.21 S 151° 13'.22 E	Fl.G.2.5s		
CR6	23° 49'.27 S 151° 13'.26 E	Fl.R.2·5s.		

Chart temporarily affected - Aus 244 - Aus 245

55(T)/2013 AUSTRALIA - QUEENSLAND - Schooner Rock - Light beacon destroyed; light buoy established Former Notice - 459(T)/2012 is cancelled Maritime Safety Queensland Notice 1322(T)/2012 (AA643792)

The north cardinal light beacon (20° 54'.04 S 149° 25'.91 E) has been destroyed; a north cardinal light buoy, Q, exists in situ.

Chart temporarily affected – Aus 251 – Aus 824

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56(T)/2013 AUSTRALIA - QUEENSLAND - Townsville - Depth information

Former Notice - 1142(T)/2012 is cancelled Maritime Safety Queensland Notices 1187(T)/2012, 1330(T)/2012 (AA635583, AA644595)

Available depths as at 19 December 2	2012:	
	letres	Remarks
* Sea Channel 1 ⁻	1.8	
* Platypus Channel 12	2.0	
Outer Harbour:		
* Arrival Channel	6.7	
* Departure Channel 10	0.8	
Inner Harbour:		
* Harbour 1 ⁻	1.9	
Berths:		
* No 1 1 ⁻	1.8	
No 2 12	2.0	(550 to 770 mark)
* No 2 1	1.6	(770 to 790 mark)
No 3 1'	1.9	
* No 4	9.9	
* No 7 10	0.9	
* Between No 7 and No 8 10	0.6	Seaward of 0 mark at No 7
No 8	-	Works in progress
No 9 1'	1.6	
Between No 9 and No 10 10	0.0	Seaward of 0 mark at No 10
No 10	-	Works in progress
* No 11 10	0.8	
Ross River Channel	2.0	Shoaling with least depth 1.2m exists at the southern and southeastern extremity of the
		Marine Precinct Turning Basin.
Ross River	-	No declared depth
Ross Creek	1.9	From Reef HQ to swing basin
* Indicates revised entry.		

Chart temporarily affected – Aus 256 – Aus 257

57(T)/2013 PAPUA NEW GUINEA - Gulf of Papua - Goaribari Island to Boera - Cable laying operations Date - Until 28 February 2013

National Maritime Safety Authority Notice 1/2013 (AA645989)

Vessel Ile de Re is laying a cable adjacent to the gas pipeline between the following positions;

8° 09'.09 S 144° 31'.09 E 8° 07'.02 S 145° 16'.09 E 8° 25'.01 S 146° 08'.57 E 9° 04'.24 S 146° 35'.83 E 9° 12'.39 S 146° 48'.32 E 9° 18'.50 S 146° 53'.16 E 9° 19'.87 S 147° 00'.16 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 378 - Aus 379 - Aus 502

58(T)/2013 AUSTRALIA - NORTHERN TERRITORY - Darwin - Light buoy unlit Darwin Port Corporation Notice 6(T)/2013 (AA645717)

The lit mooring buoy, *Fl.Y.4s* (12° 28'.00 S 130° 47'.62 E), is unlit.

Chart temporarily affected - Aus 26 - AX 00026T

59(T)/2013 AUSTRALIA - NORTHERN TERRITORY - Apsley Strait - Light buoys off station

Former Notice - 324(T)/2011 is cancelled NT Government, Hydrographic & Cadastral Survey Pty Ltd (AA643605 - AA643606)

The following navaids are off station:

starboard lateral light buoy, <i>Fl.G.5</i> s
starboard lateral light buoy, Fl.G.5s
starboard lateral light buoy, FI.G.5s
port lateral light buoy, Fl.R.5s
port lateral light buoy, Fl.R.5s
port lateral light buoy, Fl.R.5s
port lateral light buoy, <i>Fl.R.5</i> s
starboard lateral light buoy, <i>Fl.G.5</i> s
special buoy
special buoy
special buoy
starboard lateral light buoy, Fl.G.5s.

Chart temporarily affected - Aus 22 - Aus 23 - Aus 309 - Aus 722 - AX 00309T - AX 00309U - AX 00722T

60(T)/2013 AUSTRALIA - NORTHERN TERRITORY - Melville Island - Seismic survey completed northwestwards Former Notice - 1287(T)/2012 is cancelled SV Voyager Explorer (AA645681)

Cancel this notice on receipt.

Chart formerly affected – Aus 309 – Aus 310 – AX 00309T – AX 00309U – AX 00310U

61(T)/2013 AUSTRALIA - TIMOR SEA - Margaret Harries Banks - Seismic survey completed Former Notice - 759(T)/2012 is cancelled Fugro Multi Client Services Pty Ltd (AA613326, AA613327, AA613982)

Cancel this notice on receipt.

Chart formerly affected – Aus 309 – Aus 311 – Aus 312 – Aus 315 – Aus 4721 (INT 721) – AX 00309U – AX 00311U – AX 00312U – AX 00315U – AX 04721U

62(T)/2013 AUSTRALIA - TIMOR SEA - The Boxers - Seismic survey

Date - Until 15 March 2013 Fugro Multi Client Services Pty Ltd (AA644898 - AA644899)

MV Geo Atlantic, with a 6000m towed array, and support vessel Cassandra VI are conducting a survey in the area bounded by the following positions:

11° 54.84 S 127° 41'.63 E 11° 34'.35 S 127° 41'.39 E 11° 25'.00 S 127° 57'.37 E 11° 59'.52 S 128° 19'.83 E 12° 12'.85 S 128° 19'.83 E 12° 12'.85 S 128° 12'.10 E 12° 06'.52 S 128° 07'.46 E 12° 05'.39 S 127° 48'.32 E.

Chart temporarily affected - Aus 309 - Aus 315 - Aus 4721 (INT 721) - AX 00309T - AX 00309U - AX 00315U - AX 04721U

63(T)/2013 AUSTRALIA - NORTHERN TERRITORY - Lorna Shoal - UXO disposal operations completed westwards Former Notice - 1150(T)/2012 is cancelled Offshore Unlimited (AA637321, AA637371)

Cancel this notice on receipt.

Chart formerly affected – Aus 309 – Aus 316 – Aus 722 – AX 00309T – AX 00309U – AX00722T

64(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Light buoys northwestwards Date - Until 28 February 2013

Delmar Systems Inc (AA645444 - AA645445)

Light buoys, *Fl.5s,* exist in the following positions: 13° 48'.81 S 123° 19'.73 E

13° 48'.98 S 123° 19'.30 E 13° 49'.05 S 123° 19'.89 E 13° 49'.28 S 123° 19'.43 E.

Chart temporarily affected – Aus 319 – Aus 320 – AX 00319U

65(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Scott Reef - Seismic survey eastwards Date - Until 10 March 2013

Fugro Multi Client Services Pty Ltd (AA645451 - AA645452)

MV Geo Caspian with a 6500m towed array and support vessels MV Guard Merlin and MV Northern Odyssey are conducting a survey in the area bounded by the following positions:

14° 16'.0 S 122° 23'.0 E 14° 16'.0 S 123° 11'.0 E 13° 31'.0 S 123° 11'.0 E 13° 31'.0 S 123° 11'.0 E

Chart temporarily affected – Aus 319 – Aus 320 – Aus 322 – Aus 4721 (INT 721) – Aus 4722 (INT 722) – AX 00319U – AX 00322U – AX 04721U – AX 04722U

66(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Rowley Shoals - Seismic survey completed northeastwards Former Notice - 1154(T)/2012 is cancelled Australian Maritime Safety Authority Auscoast Warning 293/2012 (AA645580)

Cancel this notice on receipt.

Chart formerly affected – Aus 4722 (INT 722) – AX 04722U

67(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Dampier Archipelago - Drill rig northwestwards Date - Until 20 January 2013 MODU Atwood Eagle (AA644862)

Drill rig Atwood Eagle is conducting drilling operations in position 19° 33'.98 S 116° 00'.22 E.

Chart temporarily affected – Aus 327

68(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instrument Date - Until 31 January 2014 Department of Transport WA Notice 133/2012 (AA642224)

A special light buoy, FI(5)Y.20s, exists in position 20° 49'.47 S 115° 30'.85 E.

Chart temporarily affected – Aus 62

69(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Harbour works Date - Until 31 March 2014

Department of Transport WA Notice 129/2012 (AA644896)

Works associated with the construction of a jetty are in progress at Town Point. An exclusion zone exists in an area bounded by the following positions:

20° 47'.48 S 115° 28'.07 E 20° 47'.48 S 115° 29'.04 E 20° 48'.40 S 115° 30'.55 E 20° 50'.19 S 115° 30'.53 E 20° 50'.17 S 115° 28'.82 E 20° 48'.95 S 115° 28'.84 E 20° 47'.52 S 115° 28'.56 E.

The infrastructure associated with the works is marked by lights, Fl.3s.

Barges and support vessels will monitor VHF Ch 10 and Ch 73 and display appropriate lights and shapes.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 62 – Aus 327 – Aus 328 – Aus 742 – Aus 743

70(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Seismic survey completed westwards Former Notice - 1296(T)/2012 is cancelled TGS (AA645157)

Cancel this notice on receipt.

Chart formerly affected - Aus 328 - Aus 4723 (INT 723) - Aus 4725 (INT 725) - AX 04723U

71(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Seismic survey northwestwards Date - Until 23 February 2013

Australian Maritime Safety Authority Auscoast Warning 324/2012 (AA644548), Fugro Survey Pty Ltd (AA645435)

SPV Fugro Synergy with an AUV in company is conducting a survey in the area bounded by the following positions:

20° 11'.3 S 114° 04'.3 E 20° 11'.3 S 115° 11'.3 E 19° 30'.0 S 115° 11'.3 E 19° 30'.0 S 115° 11'.3 E

Chart temporarily affected - Aus 328 - Aus 329 - Aus 742 - Aus 4723 (INT 723) - AX 04723U

72(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Exmouth Boat Harbour - Harbour works Date - Until 15 May 2013 Department of Transport WA Notice 144/2012 (AA643610)

Works associated with the construction of floating mooring pens are in progress in the vicinity of position 21° 57'.41 S 114° 08'.39 E. The area will be marked by special light buoys.

All vessels involved in the works 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 72

73(T)/2013 AUSTRALIA - SOUTH AUSTRALIA - Great Australian Bight - Ceduna Terrace - Scientific instruments Date - Until 31 December 2013 MetOcean Engineers (AA643598)

Scientific instruments marked by special light buoys, *Fl(5)Y.20s,* exist in positions 34° 28'.49 S 130° 45'.35 E and 34° 28'.37 S 130° 48'.61 E.

Chart temporarily affected – Aus 4727 (INT 727)

74(T)/2013 AUSTRALIA - VICTORIA - Port Phillip - River Yarra - Short Road Wharf - Harbour works Date - Until 30 June 2013 Victorian Notice 184(T)/2012 (AA643612)

Works associated with the remediation of the wharf are in progress (37° 50'.15 S 144° 53'.93 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 154

75(T)/2013 AUSTRALIA - VICTORIA - Port Phillip - River Yarra - Appleton Dock - Harbour works Former Notice - 77(T)/2011 is cancelled Date - Until 30 June 2014 Victorian Notice 183(T)/2012 (AA643590)

Works associated with the remediation of berths B to F are in progress (37° 49'.02 S 144° 55'.31 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 154

76(T)/2013 AUSTRALIA - VICTORIA - Port Phillip - St Kilda - Shoaling removed *Former Notice* - 271(T)/2012 is cancelled Victorian Notice 190/2012 (AA643794)

Cancel this notice on receipt.

Chart formerly affected – Aus 155

77(T)/2013 AUSTRALIA - VICTORIA - The Narrows - San Remo - Shoaling Victorian Notice 191(T)/2012 (AA644540)

Shoaling with a least depth of -0.1m exists at the jetty in position 38° 31'.22 S 145° 21'.89 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 150

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78(T)/2013 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES *Former Notice* - 1017(T)/2012 is cancelled Australian Hydrographic Service (AA635680)

Notice	Charts affected	Locality and Subject
		BASS STRAIT
448/2011	Aus357-487	Platforms; pipeline
		NEW SOUTH WALES
		Botany Bay
1139/2011	Aus198-199	Harbour works
4040/0040		Broken Bay
1318/2010	Aus197-204-215-424-489-809-4643-	Light range reduced
	AX0809E-67215	
		Cape Baily to Ben Buckler
748/2011	Aus197-808-809-AX0808E-0809E	Scientific instruments
740/2011	AUS197-000-009-AA0000E-0009E	Scientific Instituments
		Clarence River
1263/2012	Aus222	Scientific instrument; harbour works postponed
		Hastings River
847/2010	Aus219-AU5219P3	Port Macquarie-Light discontinued
		Manly
750/2011	Aus197-200-201-AX6201F-63200	Scientific instruments
		Newcastle
50/2013	Aus207-208	Depth information
44.0/004.4		Port Kembla
410/2011	Aus194-195	Spoil ground
864/2011	Aus194-195	Obstruction
795/2012	Aus194	Depth information
		Sydney
1132/2012	Aus200-202-AX00202T	Harbour works
1152/2012	Ausz00-202-AA002021	
		NORTHERN TERRITORY
		Apsley Strait
59/2013	Aus22-23-309-722-AX00309T-	Light buoys off station
	00309U-00722T	g
		Cape Wessels
160/2012	Aus306-AX0306F	Wreck westnorthwestward
		Darwin
758/2012	Aus26-28-AX72026	Dredging operations
814/2012	Aus24-26-AX72026	Light buoy withdrawn
867/2012	Aus26-28-AX72026	Diving operations
910/2012	Aus28	Cossack Creek-Obstruction
1003/2012	Aus24-26-AX72026	Lee Point to Fannie Bay-Obstructions
1004/2012	Aus24-27-28	Depth information
1095/2012	Aus26-27-28-AX72026	Scientific instruments
1096/2012	Aus26-28-AX72026	Pontoon
1148/2012	Aus26-28-AX72026	Scientific instruments
1149/2012	Aus26-28-AX72026	East Arm-Blaydin Point-Harbour works; dredging operations
58/2013	Aus26-AX00026T	Light buoy unlit
		Fenton Patches
1146/2012	Aus309-722-AX72309-72722-00309	

78(T)/2013 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES (continued)

Notice	Charts affected	Locality and Subject
		QUEENSLAND
		Abbot Point
56/2012	Aus255-826	Light beacon unlit
249/2012	Aus255	Scientific instruments
		Airlie Beach
819/2008	Aus252-253-268-AU5268P2	Light buoys established
67/2009	Aus252-253-268-AU5268P2	Wreck
210/2011	Aus268	Obstructions
		Bait Reef
872/2011	Aus254-825	Light beacon destroyed
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Au3234-023	Light beacon destroyed
		Barb Reef
716/2010	Aus254-825-AU320149	Beacon destroyed
		Bluff Rock to Wreck Point
302/2012	Aus247-819-820-AX00820S	Scientific instruments
<i>302/2012</i>	Ausz47-819-820-AA008205	Scientific instruments
		Boyne River
415/2011	Aus246	Shoaling
		Brisbane River
1100/2011	Aug228	
199/2011	Aus238	Harbour works
97/2012	Aus238	Aquarium Passage-Harbour works
045/2012	Aus237	Fisherman Islands-Harbour works; light buoy
266/2012	Aus237-238	Lytton Reach-Shoaling; exclusion zone; dredging operations
		Bundaberg
386/2010	Aus242	Anchoring prohibited
269/2011	Aus242-243	Depth information
		Cairns
1154/2011	Aus264	Smiths Creek-Wreck
705/2012	Aus263-264	Wreck
364/2012	Aus262-263-264-830	Depth information
		Cono Douting Croon
000/0044	A	Cape Bowling Green
926/2011	Aus826-827	Scientific instrument
606/2012	Aus826-827	Light buoys
		Cape Edgecumbe to Abbot Point
1032/2011	Aus255-825-826	Scientific instruments
		Clausiand Day to Dayso Day
	A 050 057 007	Cleveland Bay to Rowes Bay
251/2012	Aus256-257-827	Scientific instruments
		Cooktown
1285/2011	Aus270	Light beacon destroyed
751/2012	Aus270	Depth information
1143/2012	Aus270	Light buoy off station
		Curtis Channel
602/2012	Aus818	Wreck
		Dent Island
859/2012	Aus253-254	Light beacon unlit; light buoy established
,		Light boaton annt, nght baoy ostablished
		Dugong Island
223/2011	Aus376-837-839	Wreck

78(T)/2013 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES (continued)

lotice	Charts affected	Locality and Subject
		Ethel Rocks
43/2012	Aus246-819	Wreck eastwards
04/2012	Aug050 050	Fitzalan Passage
04/2012	Aus252-253	Light buoy off station
		Gladstone
18/2011	Aus245	Anchorage area
70/2011	Aus245 Aus245-819	Scientific instruments
53/2011	Aus244-245	Barney Point-Harbour works
204/2011	Aus244-245	Rich Rocks-Light buoy
45/2012	Aus244-245	Pipelines
48/2012	Aus244-245-246	Depth information
50/2012	Aus244-245	Light buoys
51/2012	Aus244-245	Light buoys
52/2012	Aus245	Dredging operations
53/2012	Aus245-819	Friend Point to Laird Point-Dredging operations
047/2012	Aus244-245	South Trees Point-Harbour works
049/2012	Aus244-245	Dredging operations
138/2012	Aus245	Exclusion zone
205/2012	Aus244-245	Bushy Islet-Scientific instrument
270/2012	Aus244-245	Fishermans Landing Wharves-Light buoy moved
4/2013	Aus244-245	Calliope River-Light buoys
		Gold Coast Seaway
143/2011	Aus230-814	Dredging operations
94/2012	Aus230	Shoaling
37/2012	Aus230	Shoaling
		Great Sandy Strait
01/2012	Aus240-241	Light beacon destroyed
004/0044		Hay Point
091/2011	Aus249-250-AX0249E	Scientific instruments
50/2012	Aus249-250-AX00249S	Depth information
00/2012 088/2012	Aus249-250-AX00249S	Diving operations
088/2012	Aus249-250-823	Exclusion zone; light buoys
		Hesket Rock
18/2010	Aus251-823-824-AX0823E-	Light beacon destroyed
10/2010	AU421149	Light beacon destroyed
	A0421143	
		Hinchinbrook Channel
197/2010	Aus259-828	Wreck
62/2012	Aus259-267	Navaids
	140200 201	
		Hook Island
60/2012	Aus252-254	Light beacon destroyed
		Hook Reef
30/2007	Aus254-825	Beacon destroyed
		lo Reef
188/2010	Aus251-252-824	Light beacon destroyed; light buoy established
		Karumba
14/2012	Aus6	Light beacon withdrawn
14/2012 56/2012	Aus6 Aus6	Light beacon withdrawn Depth information
		Depth information
56/2012	Aus6	Depth information Laguna Quays
		Depth information

85772012 Aus249-AX00249S Mackay 85772012 Aus250 Depth information 95572012 Aus250 Depth information 95572012 Aus256 Scientific instruments 9572012 Aus256 Scientific instruments 9572012 Aus256 Macroton Bay 1210/2012 Aus256 Macroton Bay 1210/2012 Aus235-236 Light beacon destroyed; light buoy established 9572012 Aus236 Macroton Bay 710/2008 Aus236 Wornton Bay 710/2014 Aus236 Bramble Bay-Bridge construction 929/2012 Aus236 Cabbage Tree Head-Dredging operations 929/2012 Aus236 Scientific instrument 929/2012 Aus236 Rainbow Channel-Light beacon destroyed 919/2012 Aus236 Peel Island-Lazaret Gutter-Beaco destroyed 919/2012 Aus236-237-238-814-815 Bristo ish pir tansfer 919/2011 Aus235-236-237-238-814-815 Bristo ish pir tansfer 919/2011 Aus258 Point Lookout Scientific instruments northeastwards 929/2011 Aus265 Port Al	885/2012 Aus830-831-4620-AX6027S-04620U AIS trial 857/2012 Aus249-AX00249S Mackay 858/2012 Aus250 Depth information 1090/2012 Aus250 Depth information 702/2012 Aus256 Scientific instruments 52/2013 Aus235 Mocloalaba 51/2014 Aus235 Scientific instruments 52/2013 Aus235 Mocloalaba 64/2011 Aus236 Hight buoy established 64/2011 Aus236 Hight buoy 710/2002 Aus235 Scientific instruments 52/2013 Aus235 Mocloalaba 64/2011 Aus236 Hight buoy 710/2002 Aus236 Scientific instruments 710/2004 Aus236 Scientific instruments 710/2002 Aus236 Scientific instruments 710/2002 Aus236 Cabbage Tree Head-Dredging operations 710/2003 Aus236 Scientific instruments 710/2004 Aus236 Cabbage Tree Head-Dredging operations 710/2005 Aus236 Scientific instruments 710/2002 Aus236 Scientific instruments 710/2003 Aus236 Piel Island-Lazatel Gutter-Beacon destroyed 710/	Notice	Charts affected	Locality and Subject
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5577201 5572012 61980/2012 40x8250Light beacon destroyed; light buoy established Shaling Depth information70272012 7092012 70022012 70022012 70022012 70022012 70022012 70022013Aus256-827 70022014 70022014 70022014 70022014 70022014 70022014 70022017 	5772012 5872012Aus249 Aus250Light beacon destroyed; light buoy established Shoaling Depth information Scientific instruments Scientific instruments7027012 7027012Aus256Aus256Magnetic Island Scientific instruments Scientific instruments52/2013Aus235Mooloolaba Shoaling: dredging operations710/2008 646/2011Aus235Mooloolaba Shoaling: dredging operations710/2008 646/2011Aus236Mooloolaba Shoaling: dredging operations710/2008 646/2011Aus236Mooloolaba Bramble Bay-Bholge construction Bay2012710/2008 646/2011Aus236Cabbage Tree Head-Dredging operations Scarborough-Shoaling Cabbage Tree Head-Dredging operations600/2012 646/2011Aus236Scarborough-Shoaling Cabbage Tree Head-Dredging operations600/2012 646/2011 1020/2012Aus236Scarborough-Shoaling Cabbage Tree Head-Dredging operations600/2012 646/2011 1020/2012Aus236Scarborough-Shoaling Cabbage Tree Head-Dredging operations600/2012 646/2011 1020/2012Aus236Scarborough-Shoaling Cabbad-Lazart Cabre-Beacon destroyed6136/2014 1020/2012 640/2012 640/2012 640/2012Aus258Sip to ship transfer Depth information760/2012 640/2011 640/2011Aus258Depth information760/2012 640/2012 640/2011Aus250-253-824-825Pioneer Rocks Light beacon destroyed760/2012 640/2012Aus265Port Alma Depth information760/2012 640/2011Aus261-824Schooner Rock Light beacon d	803/2012	Aus830-831-4620-AX60275-046200	AIS that
558/2012Aus250Shealing Depth information1090/2012Aus250Depth information702/2012Aus256Scientific instruments52/2013Aus256Scientific instruments52/2013Aus235Shealing dredging operations64/2011Aus236Mooleolaba70/2021Aus235Shealing dredging operations64/2011Aus236Uight buoys established64/2011Aus236Wynnum-Wreck, light buoy70/2021Aus236Cabhage Tree Head-Oredging operations60/2012Aus236Scarborugh-Shealing60/2012Aus236Scarborugh-Shealing60/2012Aus236Scarborugh-Shealing60/2012Aus236Scarborugh-Shealing60/2012Aus236Scarborugh-Shealing60/2012Aus236Scarborugh-Shealing60/2012Aus236Ship to ship transfer710/2021Aus236Scarborugh-Shealing61/2012Aus236Ship to ship transfer710/2012Aus236Ship to ship transfer710/2012Aus258Depth information710/2012Aus265Depth information710/2012Aus261Scientific instruments northeastwards710/2013Aus270Point Lookout710/2014Aus261-B24Scientific instruments northeastwards720/2015Aus261Scientific instruments northeastwards721/2013Aus261-B24Schooner Rock721/2014Aus261-B24Schooner Rock721/2015 <td>55/2012 55/2012Aus250Shealing Shealing1090/2012Aus250Depth information702/2012 1210/2012Aus256-827Scientific instruments Scientific instruments Scientific instrument52/2013Aus235Mooloolaba Shealing, dredging operations710/2008 648/2011Aus235-236Light buoys established Bramble Bay-Birdge construction710/2008 648/2011Aus236Wonnum-Wreek; light buoy710/2008 648/2011Aus236Bramble Bay-Birdge construction710/2008 710/2008 648/2012Aus236Cabbage Tree Head-Dredging operations Scarbtorough-Shealing710/2008 710/2012Aus236Coochienudio Island-Light beacon710/2009 710/2012Aus236Coochienudio Island-Light beacon710/2012 710/2012Aus236Point Lookout Scientific instruments light beacon destroyed710/2012 710/2012Aus258Point Lookout Scientific instruments northeastwards710/2012 710/2012Aus270Point Lookout Scientific instruments northeastwards710/2013Aus251-824Point Lookout Scientific instruments northeastwards710/2014Aus270Point Lookout Scientific instruments northeastwards710/2015Aus270Schooner Rook Light beacon destroyed; light buoy established710/2014Aus251-824Schooner Rook Light beacon destroyed; light buoy established710/2015Aus251-824Schooner Rook Light beacon destroyed; light buoy established710/2014Aus252-253-824Schooner Rook Light beacon destroyed;</td> <td></td> <td></td> <td>Mackay</td>	55/2012 55/2012Aus250Shealing Shealing1090/2012Aus250Depth information702/2012 1210/2012Aus256-827Scientific instruments Scientific instruments Scientific instrument52/2013Aus235Mooloolaba Shealing, dredging operations710/2008 648/2011Aus235-236Light buoys established Bramble Bay-Birdge construction710/2008 648/2011Aus236Wonnum-Wreek; light buoy710/2008 648/2011Aus236Bramble Bay-Birdge construction710/2008 710/2008 648/2012Aus236Cabbage Tree Head-Dredging operations Scarbtorough-Shealing710/2008 710/2012Aus236Coochienudio Island-Light beacon710/2009 710/2012Aus236Coochienudio Island-Light beacon710/2012 710/2012Aus236Point Lookout Scientific instruments light beacon destroyed710/2012 710/2012Aus258Point Lookout Scientific instruments northeastwards710/2012 710/2012Aus270Point Lookout Scientific instruments northeastwards710/2013Aus251-824Point Lookout Scientific instruments northeastwards710/2014Aus270Point Lookout Scientific instruments northeastwards710/2015Aus270Schooner Rook Light beacon destroyed; light buoy established710/2014Aus251-824Schooner Rook Light beacon destroyed; light buoy established710/2015Aus251-824Schooner Rook Light beacon destroyed; light buoy established710/2014Aus252-253-824Schooner Rook Light beacon destroyed;			Mackay
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		749/2012	Aus830-AX6027S	
59/2012Aus293-299Depth information	59/2012 Aus293-299 Depth information			
		59/2012	Aus293-299	Depth information

78(T)/2013 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES (continued)

I AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES (continued) 78(T)/2013

Notice	Charts affected	Locality and Subject
1133/2009 860/2012	Aus257-AU5257P0 Aus257	<i>Townsville</i> Light beacons withdrawn; light buoys established Harbour works
56/2013	Aus256-257	Depth information
1002/2012	Aus4	<i>Weipa</i> Depth information
1189/2010	Aus252-254-824	<i>Whitsunday Group</i> Platypus Rock-Light beacon destroyed; light buoy established
1394/2010	Aus254	The Narrows-Buoy off station
422/2011	Aus252-254-824	Spitfire Rock-Light beacon destroyed
		Whitsunday Island
1193/2010 1209/2012	Aus252-253-254 Aus252-253	Reef Point-Light beacon destroyed; light buoy established Craig Point-Wreck
1263/2010	Aus830	Yorkeys Knob Wreck
1200/2010	140000	
		SOUTH AUSTRALIA Franklin Harbor
1223/2012	Aus777	Navaids
		Great Australian Bight
1303/2012 73/2013	Aus4727 Aus4727	Scientific instruments Scientific instruments
15/2015	AU34727	
1344/2011	Aus781	Gulf St Vincent Obstruction
		Port Adelaide
720/2008	Aus137	Shoaling
226/2011	Aus130-138-781	Light beacon destroyed
769/2012 1225/2012	Aus137 Aus130-137-138	Depth information Light beacons to be altered
1225/2012	Aus 150-157-156	
1222/2012	Aus133-134-343-485-776-AX00343S- 00776S	Port Lincoln to Proper Bay Navaids to be altered
		Rapid Bay
129/2012	Aus780	Light buoy off station northwestwards
825/2012	Aus342	<i>Tungketta Reef</i> Wave energy barge
023/2012	AUGUTZ	
71/2012	Aus133	Wallaroo Depth information
		TASMAN SEA
175/2012	Aus4601	<i>Tasman Basin</i> Light buoy withdrawn
175/2012	Au34001	
		TASMANIA Adventure Bay to Pitt Water
1291/2011	Aus171-173-796	Scientific instruments
		Cape Barren Island
1062/2012	Aus487-798-800	Scientific instruments
1161/2012	Auc172	D'Entrecasteaux Channel
1161/2012 January 2013	Aus173	Beacon destroyed 26

78(T)/2013 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES (continued)

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Notice	Charts affected	Locality and Subject
1228/2012	Aus171-796	Dorman Point Scientific instrument
1292/2011	Aus179-800	Flinders Island Light unreliable
576/2012	Aus171-796	Frederick Henry Bay Scientific instruments
91/2010	Aus169	<i>Georges Bay</i> Wreck
527/2012	Aus168	Launceston Pile driving
526/2012 1061/2012	Aus171-796 Aus172	<i>River Derwent</i> Scientific instrument Risdon Cove-Buoy
1110/2012	Aus793-794	Sugarloaf Rock to De Witt Island Scientific instruments
130/2012	Aus178	<i>Wynyard</i> Harbour works
223/2009	Aus312-4721-AX0312F-4721F- AU311126	TIMOR SEA <i>Sahul Banks</i> Navaid; racon non operational
62/2013	Aus309-315-4721-AX00309T- 00309U-00315U-04721U	The Boxers Seismic survey
306/2012	Aus292-293-296-299-376-700	TORRES STRAIT Adolphus Channel to Gannet Passage AIS trial
1333/2010	Aus376-377-840-AX60377	Yorke Islands Wreck
131/2012	Aus801	VICTORIA Anderson Inlet Shoaling
826/2012	Aus348-349-787	Cape Duquesne to Port Campbell Scientific instruments
1354/2010 479/2012 579/2012	Aus181-802 Aus181 Aus182	<i>Corner Inlet</i> Shoaling Toora Channel- Light beacon destroyed; light buoy established Barry Beach- Shoaling
1291/2010	Aus357-AU439146	Ninety Mile Beach Obstructions
572/2012	Aus349-787	<i>Otway Basin</i> Drilling operations
82/2012 132/2012	Aus181-182 Aus181-357	<i>Port Albert</i> Shoaling Light unlit

Notice	Charts affected	Locality and Subject
004/0044	A	Port Campbell
991/2011	Aus141	Lights unlit
		Port Phillip
796/2007	Aug112 159	1
	Aus143-158	Obstruction
942/2010	Aus153-157	Geelong-Depth information
100/2010	Aus154-155	Port Melbourne-Princes Pier-Harbour works
23/2011	Aus144-158	Great Ship Channel-Shoaling
346/2011	Aus144-158	South Channel-Exclusion zones
6/2012	Aus143-158	Scientific instruments
65/2012	Aus143-144-158	Point Nepean-Wreck
72/2012	Aus143-155	Werribee South-Harbour works
063/2012	Aus144-158	South Channel-Shoaling
064/2012	Aus154	Williamstown-Harbour works
229/2012	Aus157	Wilson Spit-Light beacon destroyed
74/2013	Aus154	River Yarra-Short Road Wharf-Harbour works
75/2013	Aus154	Appleton Dock-Harbour works
		Masteria Dart
514/2008	Aus150-151	Western Port Shoaling northwards
7/2013	Aus150	San Remo-Shoaling
1/2013	A03150	San Kemo-Shoaling
		WESTERN AUSTRALIA
		Albany
108/2012	Aus109	Harbour works
		Barrow Island
088/2010	Aus62-742	Anchorage northeastwards
24/2011	Aus62-742-743	Scientific instrument
522/2011	Aus327-328	Scientific instruments northwards
776/2011	Aus327-328-742	Pipeline infrastructure
988/2011	Aus62-742	Scientific instrument
260/2012	Aus327-328-742	Pipeline
360/2012	Aus62-742-743	Scientific instruments
101/2012	Aus62-327-328-742-743	Pipeline
58/2013	Aus62	Scientific instrument
69/2013	Aus62-327-328-742-743	Harbour works
/1/2013	Aus328-329-742-4723-AX04723U	Seismic survey northwestwards
		Broome
1216/2012	Aus50-51	Scientific instrument
00/0044		Browse Island
882/2011	Aus319-320-AX0319F	Scientific instrument
288/2012	Aus319-4721-4722-AX00319U-	Drill rig northwestwards
	04721U-04722U	
64/2013	Aus319-320-AX00319U	Light buoys northwestwards
		Bunbury
058/2012	Aus115	Shoaling; dredging operations
000/00/0		Cape Londonderry
006/2012	Aus315-318-AX00315U	Scientific instruments northeastwards
		Cape Preston
714/2012	Aus327-742	Scientific instrument northwestwards
		Cockhurn Sound
1160/0040	Aug111 114 117 AV00447T	Cockburn Sound
160/2012	Aus111-114-117-AX00117T	Scientific instruments
		Comet Bay
278/2011	Aus755-AX0755E-66002	Scientific instrument

78(T)/2013 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES (continued)

78(T)/2013 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES (continued)

Notice	Charts affected	Locality and Subject
		Dampier
127/2012	Aus57-58	Obstructions
661/2012	Aus59	King Bay-Light beacon damaged
1009/2012	Aus58-59-60	Dredging operations
1157/2012	Aus58-59	Light beacons removed
1291/2012	Aus58-59-60	Depth information
		-
	4 007	Dampier Archipelago
629/2010	Aus327	Scientific instruments northwestwards
1292/2012	Aus327-741-742	Mooring buoys northwestwards
67/2013	Aus327	Drill rig northwestwards
		Esperance
418/2012	Aus119	Depth information
10/2012	///////////////////////////////////////	
		Exmouth
72/2013	Aus72	Harbour works
		Exmouth Plateau
362/2012	Aus328-329	Scientific instruments
1297/2012	Aus4708-4723-AX04708U-04723U	Drill rig
		Flinders Day
1407/2042	Aug116	Flinders Bay Harbour works
1107/2012	Aus116	Harbour works
		Fremantle
944/2011	Aus117-AX70117	Harbour works
524/2012	Aus113	Harbour works
1057/2012	Aus113 Aus113	Depth information
1105/2012	Aus112-AX63112	
1103/2012	Aus112-AA03112	Light beacon
		Geographe Bay
518/2009	Aus334-335-755-756-AX0334E-	Scientific instrument
/10/2000	0755E-AU434115	
		Geraldton
946/2008	Aus81	Depth information
		Glomar Shoal
044/0044	Aug 207 744	
941/2011	Aus327-741	Scientific instruments westwards
1054/2012	Aus327-741	Drill rig northwards
		James Price Patches to Cary Patch
1155/2012	Aus324	Scientific instruments
		James Price Point
712/2012	Aus324	Scientific instruments
4004/0040		King George Sound
1221/2012	Aus109-110-118-759-AX00110S-	Light altered; pilot boarding place repositioned
	00118S	
		Koombana Bay
474/2042	Auc115	Scientific Instrument
474/2012	Aus115	
		Kwinana
1106/2012	Aus114-117-AX00117T	Mooring buoy
1302/2012	Aus114-117-AX00117T	Drilling operations
		Drining operations
		Locker Island to Murion Island
619/2012	Aus328-329-743-744	Pipeline
	-	

78(T)/2013 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES (continued)

Notice	Charts affected	Locality and Subject
1289/2012	Aus322-4722-AX00322U-04722U	<i>Lynher Bank</i> Drill rig
765/2012	Aus63-64-743-744	Mary Anne Group to Ashbuton Road Scientific instruments
1218/2012 1293/2012 1294/2012 1295/2012	Aus328-4723-AX04723U Aus62-742 Aus328-4723-AX04723U Aus328-4723-AX04723U	Montebello Islands Drill rig northwestwards Drill rig Drill rig northwestwards Drill rig northeastwards
917/2012	Aus61-62-63-742-743	<i>Montebello Islands to Barrow Island</i> Lit mooring buoys
524/2010	Aus112-116-117-334-754-755- AX0334E-0754E-0755E-63112-66002 70117-AU432115-433115	Mullaloo to Warnbro Sound Scientific instruments
1056/2012 1219/2012	Aus329-4723-4725-AX04723U Aus328-329	<i>North West Cape</i> Drill rig southwestwards Scientific instruments northwards
472/2012	Aus743	Passage Islands Obstructions
1220/2012	Aus334-754-AXA0754S-00334S- 00754S	Perth Scientific instruments westwards
1059/2012	Aus116	Port Geographe Dredging operations
722/2010	Aus52-54-AU5052P0	Port Hedland Depth information
126/2012	Aus55-56	Port Walcott Scientific instrument
713/2012	Aus327	Rankin Bank Scientific instrument northeastwards
1151/2012 65/2013	Aus322-4722-AX00322U-04722U Aus319-320-322-4721-4722- AX00319U-00322U-04721U-04722U	<i>Scott Reef</i> Drill rig Seismic survey eastwards
1053/2012	Aus322-AX00322U	Se <i>ringapatam Reef</i> Scientific instrument
1301/2012	Aus64-328-743	Thevenard Island Scientific instruments
870/2012	Aus4070-4071	INDIAN OCEAN Sumatera Scientific instruments westwards
873/2012	Aus399-4622	PACIFIC OCEAN Scientific instruments

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78(T)/2013 AUSTRALIA - TEMPORARY AND PRELIMINARY NOTICES (continued)

Notice	Charts affected	Locality and Subject
		South Fiji
283/2011	Aus4602	Light buoy withdrawn
1277/2012	Aus624	Alotau
12///2012	AU5024	Light beacons established
		Aroma Passage to Dedele Point
1275/2012	Aus506-623	Light beacons established
1210/2012	///////////////////////////////////////	
		Bougainville Island
1286/2011	Aus399-683-4622	Lights unlit
564/2012	Aus684	Wrecks
		Caution Bay
66/2011	Aus379	Harbour works
609/2012	Aus379	Navaids to be established
		Eastern Fields
709/2011	Aus377-379-AX60377	Reef delineation
		Edmago Island
1283/2012	Aus666	Light beacon established
		Gazelle Peninsula
1281/2012	Aus545-546	Light beacons established
		Cult of Popula
983/2011	Aus378-502-4620-4622-AX4620F	<i>Gulf of Papua</i> Racon
57/2013	Aus378-302-4620-4622-AA4620F Aus378-379-502	Cable laying operations
5//2015	Auss/ 0-37 9-302	
		Huon Gulf
1280/2012	Aus523-643	Salamaua Harbour to Lae-Light beacons established
		3
		Hyane Harbour to Lorengau Bay
1284/2012	Aus662	Light beacons established
		Karkar Island
1285/2012	Aus388	Light beacon established
		Kimbe
1282/2012	Aus674-677	Light beacons established
		Karajana Davida Ojan da Jalan d
4070/0040	Aug202 E14 E1E 62E	Kwaipan Bay to Ginada Island
1279/2012	Aus383-514-515-635	Light beacons established
		Lae
904/2012	Aus643	Dredging operations
304/2012	Au3040	Dreaging operations
		Meimeiara Island
1278/2012	Aus628	Light beacons established
		-
		Port Moresby
404/2008	Aus379-505-4620	Fish aggregation device southwards
		Samarai Island
1276/2012	Aus624-625	Light beacon established
		AUSTRALIA
966/2012		Summer time

HYDROGRAPHIC REPORTS

Locality	Report	Ship/Authority	Observer
AHS- Product	Cumulative list		M Templeton

NAVIGATION WARNINGS

The following radio messages have been received during the period to 11 January 2013. 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

2012

- 315 Cancelled.
- 316 Cancelled.
- 317 Drill rig Ensco 109 in position 15° 15'.08 S 121° 56'.23 E. 2.5M clearance requested.
- 318 Undersea anchor system established within 1500m of 13° 49' ·1 S 123° 19' ·4 È marked by two light buoys, *Fl.5s.* 319 Cancelled.
- 320 Cancelled.
- 4 mooring buoys laid in the vicinity of 13° 49'·1 S 123° 19'·6 E. Light characteristics FI.5s 3M. Buoys remain in position until Feb 2013. 2·5M clearance requested.
- 322 Drill rig Ensco 104 in position 20° 24'.85 S 115° 43'.82 E. 2.5M clearance requested.
- 323 Cancelled.
- 324 Special purpose vessel *Fugro Synergy* conducting seismic survey in an area bounded by 19° 30'-0 S to 20° 11'-0 S and 114° 04'-3 E to 115° 11'-3 E. 2-5M clearance requested.

2013

- 001 Drill rig Atwood Eagle in position 19º 33'.98 S 116º 00'.22 E. 2.5M clearance requested.
- 002 Special purpose vessel *Geo Caspian* conducting seismic survey in an area bounded by 13° 31' 0 S to 14° 16' 0 S and 122° 23' 0 E to 123° 11' 0 E. 6 0M clearance requested.
- 003 Cancelled.
- 004 Unlit riser turret mooring 8m diameter and 4m above sea level anchored in position 19° 35'-32 S 116° 26'-41 E. 005 Cancelled.
- ooo oanot

NAVAREA X WARNINGS

2012

035 Cancelled.

2013

001 Special purpose vessel *lle De Re* conducting cable laying operations in an area bounded by: 8° 05'·10 S 144° 22'·00 E 8° 07'·60 S 146° 03'·15 E 9° 24'·15 S 147° 03'·10 E. 1·0M clearance requested.

Navigational warnings in force as at 110001UTC JAN 13.

Auscoast

- **2012** 255 277 290 298 299 300 303 305 312 314 317 318 321 322 324
- 2013 001 002 004

Navarea X

- **2012** 027 029
- **2013** 001

Summary of mobile drilling rigs as at 110001UTC JAN 13.

Name	Position
Jack Bates	13º 24'.93 S 123º 18'.21 E
Transocean Legend	13º 44'.71 S 122º 07'.38 E
Ensco 109	15º 15'.08 S 121º 56'.23 E
Nan Hai 6	19º 17'.57 S 116º 45'.82 E
Atwood Eagle	19º 33'.98 S 116º 00'.22 E
Ensco 104	20° 24'.85 S 115° 43'.82 E
Atwood Falcon	20° 01'.82 S 115° 12'.10 E
Ocean America	20° 43'.31 S 114° 36'.55 E
Noble Clyde Boudreaux	22° 05'.20 S 113° 10'.85 E
Stena Clyde	39º 06'.50 S 142º 57'.01 E

NAVAREA XIV WARNINGS

Navarea XIV warnings in force as at 110001UTC JAN 13.

076 095 105 108