



11 January 2013

Edition 1

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

AUSTRALIAN NOTICES TO MARINERS

Notices 28 – 78 

Published fortnightly by the Australian Hydrographic Service

Commodore R. NAIRN RAN
Hydrographer of Australia

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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

<i>Chart</i>	<i>Published</i>	<i>Title and description of amendments</i>	<i>Price</i>
Aus 5000	11/1/2013	Australian Index of Nautical Charts - Northern Portion 2013	\$17.50
Aus 5001	11/1/2013	Australian Index of Nautical Charts - Southern Portion 2013	\$17.50

New Miscellaneous Chart

<i>Chart</i>	<i>Published</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
AX 00044U	11/1/2013	Timor Sea - Ashmore Reef	1:37 500	Fleet use only

New Edition to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>	<i>Expected Publication Date</i>
Aus 319	Australia - North West Coast - Western Australia - Penguin Shoal to Browse Island	1:300 000	25 January 2013

New Edition of publication

<i>No</i>	<i>Title</i>	<i>Price</i>	<i>Remarks</i>
AHP 20	Seafarers Handbook for Australian Waters 3rd Edition.	\$59.95	The Australian Seafarer's Handbook 2nd Edition is cancelled.

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)

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Amend Port Pirie To Chart Datum AUS 136 NC 14 DEC 2012 0.0

Page xxxviii

Amend 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

Amend 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 Roads and Maritime Services (AA643431)

Aus 200 [1173/2012]

Insert	submarine cable, between	33° 51'.199 S	151° 10'.334 E
		33° 51'.086 S	151° 10'.333 E
		33° 50'.989 S	151° 10'.311 E
		33° 50'.967 S	151° 10'.315 E

Aus 202 [1173/2012]

Insert	submarine cable, between	33° 51'.199 S	151° 10'.334 E
		33° 51'.086 S	151° 10'.333 E
		33° 50'.989 S	151° 10'.311 E
		33° 50'.967 S	151° 10'.315 E

Aus 203 [536/2012]

Insert	submarine cable, between	33° 51'.199 S	151° 10'.334 E
		33° 51'.086 S	151° 10'.333 E

AX 00202T [1173/2012]

Insert	submarine cable, between	33° 51'.199 S	151° 10'.334 E
		33° 51'.086 S	151° 10'.333 E
		33° 50'.989 S	151° 10'.311 E
		33° 50'.967 S	151° 10'.315 E

31* AUSTRALIA - QUEENSLAND - Townsville - Lights

Maritime Safety Queensland Notice 1306/2012 (AA642641)

Aus 256 [1119/2012]

Amend	light to <i>Ldg Iso.Bu & Q.Bu (F Day (occas))</i>	19° 14'.8 S	146° 50'.3 E
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Aus 257 [840/2012]

Amend	light to <i>Q.Bu (F Day (occas))</i>	19° 14'.78 S	146° 50'.33 E
	light to <i>Iso.Bu.2s (F Day (occas))</i>	19° 14'.83 S	146° 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 293 [1246/2012]

Insert	least depth, <i>25m</i> , enclosed by danger circle with legend, <i>Wk</i>	10° 35'.694 S	142° 14'.474 E
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Aus 299 [1246/2012]

Insert	least depth, <i>25m</i> , enclosed by danger circle with legend, <i>Wk</i>	10° 35'.694 S	142° 14'.474 E
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33* AUSTRALIA - QUEENSLAND - Weipa - Light altered

Maritime Safety Queensland Notice 1340/12 AA644647

Aus 4 [NE 16/11/2012]

Amend	light to <i>LFl.10s</i>	12° 42'.14 S	141° 40'.02 E
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Aus 301 [1246/2012]

Amend	light to <i>LFl.10s</i>	12° 42'.14 S	141° 40'.02 E
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34* AUSTRALIA - NORTHERN TERRITORY - Clarence Strait - Chart limits

Australian Hydrographic Service (AA642017)

Aus 722 [588/2012]Insert magenta limits, with legend *Aus 20* in NE corner,
between

12° 11'.7 S	130° 51'.2 E
12° 11'.7 S	131° 19'.7 E
11° 54'.0 S	131° 19'.7 E
11° 54'.0 S	130° 51'.2 E
12° 11'.7 S	130° 51'.2 E

Delete magenta limits, with legend *Aus 20*, centred on

12° 03'.0 S	131° 06'.0 E
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AX 00722T [NE 14/12/2012]Insert magenta limits, with legend *Aus 20* in NE corner,
between

12° 11'.7 S	130° 51'.2 E
12° 11'.7 S	131° 19'.7 E
11° 54'.0 S	131° 19'.7 E
11° 54'.0 S	130° 51'.2 E
12° 11'.7 S	130° 51'.2 E

Delete magenta limits, with legend *Aus 20*, centred on

12° 03'.0 S	131° 06'.0 E
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35* AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm - Light

Darwin Port Corporation Notice 177/2012 (AA642246)

Aus 26 [1247/2012]Insert light, *Oc.R.3s*

12° 29'.2 S	130° 52'.6 E
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Aus 28 [1247/2012]Insert light, *Oc.R.3s*

12° 29'.201 S	130° 52'.596 E
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AX 00026T [NE 14/12/2012]Insert light, *Oc.R.3s*

12° 29'.2 S	130° 52'.6 E
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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 [1250/2012]

Insert	dashed line and marine farm symbol with legend (see Note), between	16° 57'.52 S	122° 11'.88 E
		16° 58'.52 S	122° 11'.88 E
		16° 57'.32 S	122° 14'.28 E
		16° 56'.52 S	122° 13'.78 E
		16° 57'.52 S	122° 11'.88 E
	marine farm symbol with legend (see Note), centred on	17° 02'.24 S	122° 16'.82 E

Aus 324 [1250/2012]

Insert	dashed line and marine farm symbol with legend (see Note), between	18° 23'.50 S	121° 40'.50 E
		18° 24'.22 S	121° 41'.30 E
		18° 22'.50 S	121° 42'.50 E
		18° 23'.00 S	121° 43'.50 E
		18° 22'.45 S	121° 43'.90 E
		18° 21'.10 S	121° 42'.10 E
		18° 23'.50 S	121° 40'.50 E
	marine farm symbol with legend (see Note), centred on	18° 11'.58 S	121° 59'.16 E
	marine farm symbol with legend (see Note), centred on	18° 07'.92 S	121° 59'.24 E
	marine farm symbol with legend (see Note), centred on	18° 00'.0 S	122° 04'.9 E
	marine farm symbol with legend (see Note), centred on	17° 26'.4 S	122° 05'.5 E
	dashed line and marine farm symbol with legend (see Note), between	18° 43'.22 S	121° 34'.58 E
		18° 43'.22 S	121° 35'.28 E
		18° 42'.02 S	121° 35'.28 E
		18° 39'.92 S	121° 37'.28 E
		18° 39'.32 S	121° 36'.38 E
		18° 40'.72 S	121° 34'.88 E
		18° 42'.02 S	121° 34'.58 E
		18° 43'.22 S	121° 34'.58 E
Delete	marine farm, centred on	19° 11'.0 S	121° 13'.0 E
	marine farm, centred on	18° 34'.5 S	121° 43'.0 E
	marine farm, centred on	18° 26'.0 S	121° 49'.5 E

37* AUSTRALIA - WESTERN AUSTRALIA - Glomar Shoal - Light buoys eastwards and northwards

MetOcean Engineers (AA641768)

Aus 327 [1187/2012]

Move	light buoy	18° 45'.4 S	117° 01'.8 E
	to	18° 45'.48 S	117° 01'.22 E
	light buoy	19° 31'.2 S	117° 03'.1 E
	to	19° 31'.48 S	117° 02'.59 E

Aus 741 [1077/2012]

Move	light buoy	19° 31'.2 S	117° 03'.1 E
	to	19° 31'.48 S	117° 02'.59 E

38* AUSTRALIA - WESTERN AUSTRALIA - Dampier - Light beacons altered

Dampier Port Authority, Australian Hydrographic Service AA500309, AA536213

Aus 58 [1186/2012]

Amend	light characteristic to <i>AIFI.GBuBu.6s</i>	20° 32'.91 S	116° 42'.65 E
	light characteristic to <i>AIFI.WBuBu.6s</i>	20° 33'.23 S	116° 42'.56 E
	light characteristic to <i>AIFI.GBuBu.6s</i>	20° 33'.49 S	116° 42'.78 E

Aus 59 [590/2012]

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

39* AUSTRALIA - WESTERN AUSTRALIA - Dampier - Light buoys

MetOcean Engineers (AA641768)

Aus 58 [38/2013]

Insert	special spherical light buoy, <i>Fl(5)Y.20s</i> , without topmark	20° 33'.050 S	116° 43'.027 E
Move	light buoy	20° 32'.96 S	116° 43'.13 E
	to	20° 32'.882 S	116° 43'.113 E

Aus 59 [38/2013]

Insert	special spherical light buoy, <i>Fl(5)Y.20s</i> , without topmark	20° 33'.050 S	116° 43'.027 E
Move	light buoy	20° 34'.89 S	116° 46'.10 E
	to	20° 34'.931 S	116° 46'.082 E
	light buoy	20° 32'.92 S	116° 43'.11 E
	to	20° 32'.882 S	116° 43'.113 E

40* INDIAN OCEAN - Cocos Islands - South Keeling - Nav aids, infrastructure

LADS Flight (AA642286, AA642288)

Aus 607 [439/2012]

Insert	light beacon, <i>Fl.G.2-5s No3</i> , with starboard lateral topmark	12° 06'.419 S	96° 51'.881 E
Delete	light beacon	12° 06'.40 S	96° 51'.81 E
	jetty with legend, centred on	12° 08'.48 S	96° 49'.04 E

41* SOUTHERN OCEAN - Iles Kerguelen - Depths

UKHO (AA643869)

Aus 597 [194/2012]

Insert	depth, <i>174m</i> , enclosed by contour	49° 34'.0 S	70° 26'.8 E
Delete	depth, 8m and enclosing contour	49° 34'.0 S	70° 26'.0 E

42* AUSTRALIA - WESTERN AUSTRALIA - King George Sound - Frenchman Bay - Buoys

Department of Transport WA (AA636550 - AA636552)

Aus 109 [1189/2012]

Delete	buoy	35° 04'.28 S	117° 56'.35 E
	buoy	35° 04'.29 S	117° 56'.55 E
	buoy	35° 04'.08 S	117° 56'.57 E
	buoy	35° 04'.07 S	117° 56'.37 E

Aus 110 [686/2012]

Delete	buoy	35° 04'.28 S	117° 56'.35 E
	buoy	35° 04'.29 S	117° 56'.55 E
	buoy	35° 04'.08 S	117° 56'.57 E
	buoy	35° 04'.07 S	117° 56'.37 E

AX 00110S [NE 9/2/2012]

Delete	buoy	35° 04'.28 S	117° 56'.35 E
	buoy	35° 04'.29 S	117° 56'.55 E
	buoy	35° 04'.08 S	117° 56'.57 E
	buoy	35° 04'.07 S	117° 56'.37 E

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

Australian Hydrographic Service (AA642017)

Aus 778 [1127/2012]

Insert	magenta limits, with legend <i>Aus 136</i> in SW corner, between	33° 12'.0 S	137° 31'.6 E
		33° 12'.0 S	138° 02'.9 E
		32° 53'.7 S	138° 02'.9 E
		32° 53'.7 S	137° 31'.6 E
		33° 12'.0 S	137° 31'.6 E
Delete	magenta limits, with legend <i>Aus 136</i> , centred on	33° 03'.0 S	137° 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, design <i>TP3</i> , with 0.5M radius swinging circle	33° 10'.2 S	137° 37'.2 E
Amend	design to <i>TP2</i>	33° 09'.2 S	137° 38'.4 E
	design to <i>TP1</i>	33° 06'.2 S	137° 38'.5 E

45* AUSTRALIA - TASMANIA - Prince of Wales Bay - Wreck salvaged

Parks and Wildlife Service Tasmania (AA643173)

Aus 172 [1259/2012]

Delete	wreck	42° 49'.86 S	147° 18'.28 E
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Aus 172 (plan, Bowen Bridge)

Delete	wreck	42° 49'.86 S	147° 18'.28 E
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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 (<i>see Note</i>), centred on	40° 18'.16 S	148° 17'.44 E
	dashed line, between	40° 17'.37 S	148° 19'.00 E
		40° 17'.95 S	148° 18'.86 E
	dashed line, between	40° 14'.08 S	148° 12'.37 E
		40° 14'.18 S	148° 12'.54 E
	dashed line, between	40° 14'.50 S	148° 11'.97 E
		40° 14'.58 S	148° 12'.13 E
Delete	marine farm, centred on	40° 13'.7 S	148° 12'.3 E
	marine farm, centred on	40° 14'.9 S	148° 13'.0 E
	marine farm, centred on	40° 17'.8 S	148° 14'.8 E
	dashed line, between	40° 17'.4 S	148° 19'.0 E
		40° 17'.6 S	148° 18'.6 E
		40° 17'.7 S	148° 18'.3 E
		40° 17'.9 S	148° 18'.2 E
		40° 18'.1 S	148° 18'.3 E
		40° 18'.0 S	148° 18'.6 E
		40° 18'.0 S	148° 18'.9 E
	marine farm, centred on	40° 19'.4 S	148° 14'.0 E
	marine farm, centred on	40° 20'.0 S	148° 08'.3 E
	marine farm, centred on	40° 20'.3 S	148° 11'.0 E
	dashed line, between	40° 14'.1 S	148° 12'.4 E
		40° 13'.9 S	148° 12'.6 E
		40° 13'.9 S	148° 12'.7 E
		40° 14'.2 S	148° 12'.5 E
	dashed line, between	40° 14'.6 S	148° 12'.1 E
		40° 14'.7 S	148° 12'.0 E
		40° 14'.6 S	148° 11'.9 E
		40° 14'.5 S	148° 12'.0 E

Aus 179 (plan, Approaches to Lady Barron)

Insert	marine farm symbol with legend (<i>see Note</i>), centred on	40° 12'.92 S	148° 14'.31 E
	dashed line, between	40° 14'.083 S	148° 12'.370 E
		40° 14'.176 S	148° 12'.540 E
	dashed line, between	40° 14'.501 S	148° 11'.965 E
		40° 14'.581 S	148° 12'.133 E
Delete	marine farm, centred on	40° 13'.7 S	148° 12'.3 E
	marine farm, centred on	40° 14'.9 S	148° 13'.0 E
	dashed line, between	40° 14'.08 S	148° 12'.37 E
		40° 13'.90 S	148° 12'.55 E
		40° 13'.94 S	148° 12'.71 E
		40° 14'.18 S	148° 12'.54 E
	dashed line, between	40° 14'.58 S	148° 12'.13 E
		40° 14'.66 S	148° 11'.99 E
		40° 14'.59 S	148° 11'.88 E
		40° 14'.50 S	148° 11'.97 E

47* AUSTRALIA - TASMANIA - Marshall Bay - Marine farm

Department of Primary Industries, Parks, Water and Environment (DHDB 2186071)

Aus 800 [256/2011]

Insert	marine farm symbol with legend (<i>see Note</i>), centred on	39° 55'.8 S	147° 50'.0 E
	accompanying note	39° 57'.0 S	148° 03'.5 E

48* AUSTRALIA - VICTORIA - Point Nepean - Beacon

Port of Melbourne Corporation (AA640331)

Aus 144 [1193/2012]

Delete	beacon	38° 18'.12 S	144° 39'.14 E
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Aus 158 [1195/2012]

Delete	beacon	38° 18'.11 S	144° 39'.14 E
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49* AUSTRALIA - VICTORIA - Corner Inlet - Bentley Point - Light beacon*Former Notice - 839(T)/2011 is cancelled*

Gippsland Ports (AA643469)

Aus 181 [1196/2012]

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

<i>Berth</i>	<i>Metres</i>	<i>Remarks</i>
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	Chart to be amended shortly
Throsby 1	8.4	
Carrington Wharf	To be sounded as and when required	
Foreshore Park Berth	5.9	
Elgo Wharf	To be sounded as and when required	
<i>Channels</i>		
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.		

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:

<i>Berth</i>	<i>Metre</i>	<i>Remarks</i>
* 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	11.4	
BP Luggage Point	14.3	
Caltex Products	10.1	
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	
Hamilton No1	8.8	
Brisbane Cruise Ship Terminal	9.0	
<i>Metres UKC/Remarks</i>		
<i>Moreton Bay :</i>		
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) Shoaling least depth, 14.6m, exists in position 27° 02'.39 S 153° 15'.66 E.
East Knoll Bypass Channel	6.0	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)	14.7	1.5
<i>Brisbane River :</i>		
* Entrance Beacons and Inner Bar Cutting	13.9	1.46
Entrance Beacons and Outer Bar Cutting	14.0	1.46
Fisherman Islands Swing Basin	13.9	1.3
Pelican Banks Reach to Hamilton Reach	9.1	0.6 / 0.9 (draft/tide)
Cement Australia Swing Basin	9.1	0.6 / 0.9 (draft/tide)
Pinkenba Swing Basin	9.1	0.6 / 0.9 (draft/tide)
Hamilton Swing Basin	9.1	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

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, *Fl.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:

<i>Number</i>	<i>Position</i>	<i>Characteristic</i>
CR1	23° 48'.64 S 151° 13'.81 E	<i>Fl.4s</i>
	23° 48'.77 S 151° 13'.78 E	<i>Fl.4s</i>
	23° 48'.84 S 151° 13'.80 E	<i>Fl.G.2-5s</i>
	23° 48'.89 S 151° 13'.73 E	<i>Fl.4s</i>
	23° 48'.97 S 151° 13'.66 E	<i>Fl.4s</i>
CR2	23° 48'.83 S 151° 13'.76 E	<i>Fl.R.2-5s</i>
CR3	23° 48'.93 S 151° 13'.73 E	<i>Fl.G.2-5s</i>
CR4	23° 49'.07 S 151° 13'.61 E	<i>Fl.R.2-5s</i>
CR5	23° 49'.21 S 151° 13'.22 E	<i>Fl.G.2-5s</i>
CR6	23° 49'.27 S 151° 13'.26 E	<i>Fl.R.2-5s</i>

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

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 2012:

	<i>Metres</i>	<i>Remarks</i>
* Sea Channel	11.8	
* Platypus Channel	12.0	
Outer Harbour:		
* Arrival Channel	6.7	
* Departure Channel	10.8	
Inner Harbour:		
* Harbour	11.9	
Berths:		
* No 1	11.8	
No 2	12.0	(550 to 770 mark)
* No 2	11.6	(770 to 790 mark)
No 3	11.9	
* No 4	9.9	
* No 7	10.9	
* Between No 7 and No 8	10.6	Seaward of 0 mark at No 7
No 8	-	Works in progress
No 9	11.6	
Between No 9 and No 10	10.0	Seaward of 0 mark at No 10
No 10	-	Works in progress
* No 11	10.8	
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 nav aids are off station:

11° 51'.65 S 130° 35'.07 E	starboard lateral light buoy, <i>Fl.G.5s</i>
11° 49'.87 S 130° 36'.69 E	starboard lateral light buoy, <i>Fl.G.5s</i>
11° 48'.90 S 130° 38'.08 E	starboard lateral light buoy, <i>Fl.G.5s</i>
11° 48'.00 S 130° 39'.06 E	port lateral light buoy, <i>Fl.R.5s</i>
11° 46'.35 S 130° 39'.99 E	port lateral light buoy, <i>Fl.R.5s</i>
11° 46'.01 S 130° 39'.88 E	port lateral light buoy, <i>Fl.R.5s</i>
11° 44'.22 S 130° 37'.69 E	port lateral light buoy, <i>Fl.R.5s</i>
11° 43'.85 S 130° 36'.08 E	starboard lateral light buoy, <i>Fl.G.5s</i>
11° 25'.28 S 130° 24'.47 E	special buoy
11° 25'.00 S 130° 24'.00 E	special buoy
11° 24'.80 S 130° 23'.70 E	special buoy
11° 17'.05 S 130° 17'.89 E	starboard lateral light buoy, <i>Fl.G.5s</i> .

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 122° 23'.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, *Fl(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 114° 04'.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, *FI(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

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

Former Notice - 1017(T)/2012 is cancelled

Australian Hydrographic Service (AA635680)

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

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

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
QUEENSLAND		
56/2012	Aus255-826	<i>Abbot Point</i>
249/2012	Aus255	Light beacon unlit
		Scientific instruments
819/2008	Aus252-253-268-AU5268P2	<i>Airlie Beach</i>
667/2009	Aus252-253-268-AU5268P2	Light buoys established
1210/2011	Aus268	Wreck
		Obstructions
872/2011	Aus254-825	<i>Bait Reef</i>
		Light beacon destroyed
716/2010	Aus254-825-AU320149	<i>Barb Reef</i>
		Beacon destroyed
302/2012	Aus247-819-820-AX00820S	<i>Bluff Rock to Wreck Point</i>
		Scientific instruments
415/2011	Aus246	<i>Boyne River</i>
		Shoaling
1199/2011	Aus238	<i>Brisbane River</i>
697/2012	Aus238	Harbour works
1045/2012	Aus237	Aquarium Passage-Harbour works
1266/2012	Aus237-238	Fisherman Islands-Harbour works; light buoy
		Lytton Reach-Shoaling; exclusion zone; dredging operations
1386/2010	Aus242	<i>Bundaberg</i>
1269/2011	Aus242-243	Anchoring prohibited
		Depth information
1154/2011	Aus264	<i>Cairns</i>
705/2012	Aus263-264	Smiths Creek-Wreck
864/2012	Aus262-263-264-830	Wreck
		Depth information
926/2011	Aus826-827	<i>Cape Bowling Green</i>
606/2012	Aus826-827	Scientific instrument
		Light buoys
1032/2011	Aus255-825-826	<i>Cape Edgecumbe to Abbot Point</i>
		Scientific instruments
251/2012	Aus256-257-827	<i>Cleveland Bay to Rowes Bay</i>
		Scientific instruments
1285/2011	Aus270	<i>Cooktown</i>
751/2012	Aus270	Light beacon destroyed
1143/2012	Aus270	Depth information
		Light buoy off station
602/2012	Aus818	<i>Curtis Channel</i>
		Wreck
859/2012	Aus253-254	<i>Dent Island</i>
		Light beacon unlit; light buoy established
223/2011	Aus376-837-839	<i>Dugong Island</i>
		Wreck

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

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
743/2012	Aus246-819	<i>Ethel Rocks</i> Wreck eastwards
404/2012	Aus252-253	<i>Fitzalan Passage</i> Light buoy off station
418/2011	Aus245	<i>Gladstone</i> Anchorage area
470/2011	Aus245-819	Scientific instruments
653/2011	Aus244-245	Barney Point-Harbour works
1204/2011	Aus244-245	Rich Rocks-Light buoy
245/2012	Aus244-245	Pipelines
348/2012	Aus244-245-246	Depth information
950/2012	Aus244-245	Light buoys
951/2012	Aus244-245	Light buoys
952/2012	Aus245	Dredging operations
953/2012	Aus245-819	Friend Point to Laird Point-Dredging operations
1047/2012	Aus244-245	South Trees Point-Harbour works
1049/2012	Aus244-245	Dredging operations
1138/2012	Aus245	Exclusion zone
1205/2012	Aus244-245	Bushy Islet-Scientific instrument
1270/2012	Aus244-245	Fishermans Landing Wharves-Light buoy moved
54/2013	Aus244-245	Calliope River-Light buoys
1143/2011	Aus230-814	<i>Gold Coast Seaway</i> Dredging operations
694/2012	Aus230	Shoaling
737/2012	Aus230	Shoaling
801/2012	Aus240-241	<i>Great Sandy Strait</i> Light beacon destroyed
1091/2011	Aus249-250-AX0249E	<i>Hay Point</i> Scientific instruments
650/2012	Aus249-250-AX00249S	Depth information
900/2012	Aus249-250-AX00249S	Diving operations
1088/2012	Aus249-250-823	Exclusion zone; light buoys
318/2010	Aus251-823-824-AX0823E-AU421149	<i>Hesket Rock</i> Light beacon destroyed
1197/2010	Aus259-828	<i>Hinchinbrook Channel</i> Wreck
862/2012	Aus259-267	Nav aids
460/2012	Aus252-254	<i>Hook Island</i> Light beacon destroyed
930/2007	Aus254-825	<i>Hook Reef</i> Beacon destroyed
1188/2010	Aus251-252-824	<i>Io Reef</i> Light beacon destroyed; light buoy established
414/2012	Aus6	<i>Karumba</i> Light beacon withdrawn
756/2012	Aus6	Depth information
757/2011	Aus252	<i>Laguna Quays</i> Lights unlit; light beacons damaged
758/2011	Aus252	Shoaling

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

Notice	Charts affected	Locality and Subject
865/2012	Aus830-831-4620-AX6027S-04620U	<i>Low Islets</i> AIS trial
857/2012	Aus249-AX00249S	<i>Mackay</i> Light beacon destroyed; light buoy established
858/2012	Aus250	Shoaling
955/2012	Aus250	Depth information
1090/2012	Aus250	Depth information
702/2012	Aus256-827	<i>Magnetic Island</i> Scientific instruments
1210/2012	Aus256	Scientific instrument
52/2013	Aus235	<i>Mooloolaba</i> Shoaling; dredging operations
710/2008	Aus235-236	<i>Moreton Bay</i> Light buoys established
648/2011	Aus236	Bramble Bay-Bridge construction
1020/2011	Aus236	Wynnum-Wreck; light buoy
298/2012	Aus236	Cabbage Tree Head-Dredging operations
600/2012	Aus236	Scarborough-Shoaling
645/2012	Aus236	Rainbow Channel-Light beacon withdrawn
740/2012	Aus236	Coochiemudlo Island-Light beacon
1085/2012	Aus236	Peel Island-Lazaret Gutter-Beacon destroyed
1136/2012	Aus236	Ship to ship transfer
1265/2012	Aus236	Light beacon destroyed
51/2013	Aus235-236-237-238-814-815	Brisbane River-Depth information
826/2011	Aus258	<i>Mourilyan</i> Depth information
759/2011	Aus252-253-824-825	<i>Pioneer Rocks</i> Light beacon unlit
240/2012	Aus814	<i>Point Lookout</i> Scientific instruments northeastwards
209/2011	Aus265	<i>Port Alma</i> Depth information
1274/2012	Aus270	<i>Port Douglas</i> Depth information
53/2013	Aus818	<i>Round Hill Head</i> Wreck
55/2013	Aus251-824	<i>Schooner Rock</i> Light beacon destroyed; light buoy established
763/2010	Aus252-253-AU421148-5253P1	<i>Shute Harbour</i> Wreck
1191/2010	Aus252-253-824	<i>Surprise Rock</i> Light beacon destroyed; light buoy established
749/2012	Aus830-AX6027S	<i>Taylor Point</i> Obstruction
59/2012	Aus293-299	<i>Thursday Island</i> Depth information

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

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

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

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

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

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
991/2011	Aus141	<i>Port Campbell</i> Lights unlit
796/2007	Aus143-158	<i>Port Phillip</i> Obstruction
942/2010	Aus153-157	Geelong-Depth information
1100/2010	Aus154-155	Port Melbourne-Princes Pier-Harbour works
723/2011	Aus144-158	Great Ship Channel-Shoaling
1346/2011	Aus144-158	South Channel-Exclusion zones
76/2012	Aus143-158	Scientific instruments
365/2012	Aus143-144-158	Point Nepean-Wreck
772/2012	Aus143-155	Werribee South-Harbour works
1063/2012	Aus144-158	South Channel-Shoaling
1064/2012	Aus154	Williamstown-Harbour works
1229/2012	Aus157	Wilson Spit-Light beacon destroyed
74/2013	Aus154	River Yarra-Short Road Wharf-Harbour works
75/2013	Aus154	Appleton Dock-Harbour works
514/2008	Aus150-151	<i>Western Port</i> Shoaling northwards
77/2013	Aus150	San Remo-Shoaling
WESTERN AUSTRALIA		
1108/2012	Aus109	<i>Albany</i> Harbour works
1088/2010	Aus62-742	<i>Barrow Island</i> Anchorage northeastwards
124/2011	Aus62-742-743	Scientific instrument
622/2011	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
1101/2012	Aus62-327-328-742-743	Pipeline
68/2013	Aus62	Scientific instrument
69/2013	Aus62-327-328-742-743	Harbour works
71/2013	Aus328-329-742-4723-AX04723U	Seismic survey northwestwards
1216/2012	Aus50-51	<i>Broome</i> Scientific instrument
382/2011	Aus319-320-AX0319F	<i>Browse Island</i> Scientific instrument
1288/2012	Aus319-4721-4722-AX00319U-04721U-04722U	Drill rig northwestwards
64/2013	Aus319-320-AX00319U	Light buoys northwestwards
1058/2012	Aus115	<i>Bunbury</i> Shoaling; dredging operations
1006/2012	Aus315-318-AX00315U	<i>Cape Londonderry</i> Scientific instruments northeastwards
714/2012	Aus327-742	<i>Cape Preston</i> Scientific instrument northwestwards
1160/2012	Aus111-114-117-AX00117T	<i>Cockburn Sound</i> Scientific instruments
278/2011	Aus755-AX0755E-66002	<i>Comet Bay</i> Scientific instrument

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

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
127/2012	Aus57-58	<i>Dampier</i> 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
629/2010	Aus327	<i>Dampier Archipelago</i> Scientific instruments northwestwards
1292/2012	Aus327-741-742	Mooring buoys northwestwards
67/2013	Aus327	Drill rig northwestwards
418/2012	Aus119	<i>Esperance</i> Depth information
72/2013	Aus72	<i>Exmouth</i> Harbour works
362/2012	Aus328-329	<i>Exmouth Plateau</i> Scientific instruments
1297/2012	Aus4708-4723-AX04708U-04723U	Drill rig
1107/2012	Aus116	<i>Flinders Bay</i> Harbour works
944/2011	Aus117-AX70117	<i>Fremantle</i> Harbour works
524/2012	Aus113	Harbour works
1057/2012	Aus113	Depth information
1105/2012	Aus112-AX63112	Light beacon
518/2009	Aus334-335-755-756-AX0334E-0755E-AU434115	<i>Geographe Bay</i> Scientific instrument
946/2008	Aus81	<i>Geraldton</i> Depth information
941/2011	Aus327-741	<i>Glomar Shoal</i> Scientific instruments westwards
1054/2012	Aus327-741	Drill rig northwards
1155/2012	Aus324	<i>James Price Patches to Cary Patch</i> Scientific instruments
712/2012	Aus324	<i>James Price Point</i> Scientific instruments
1221/2012	Aus109-110-118-759-AX00110S-00118S	<i>King George Sound</i> Light altered; pilot boarding place repositioned
474/2012	Aus115	<i>Koombana Bay</i> Scientific Instrument
1106/2012	Aus114-117-AX00117T	<i>Kwinana</i> Mooring buoy
1302/2012	Aus114-117-AX00117T	Drilling operations
619/2012	Aus328-329-743-744	<i>Locker Island to Murion Island</i> Pipeline

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

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

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

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
283/2011	Aus4602	<i>South Fiji</i> Light buoy withdrawn
PAPUA NEW GUINEA		
1277/2012	Aus624	<i>Alotau</i> Light beacons established
1275/2012	Aus506-623	<i>Aroma Passage to Dedele Point</i> Light beacons established
1286/2011	Aus399-683-4622	<i>Bougainville Island</i> Lights unlit
564/2012	Aus684	Wrecks
66/2011	Aus379	<i>Caution Bay</i> Harbour works
609/2012	Aus379	Navais to be established
709/2011	Aus377-379-AX60377	<i>Eastern Fields</i> Reef delineation
1283/2012	Aus666	<i>Edmago Island</i> Light beacon established
1281/2012	Aus545-546	<i>Gazelle Peninsula</i> Light beacons established
983/2011	Aus378-502-4620-4622-AX4620F	<i>Gulf of Papua</i> Racon
57/2013	Aus378-379-502	Cable laying operations
1280/2012	Aus523-643	<i>Huon Gulf</i> Salamaua Harbour to Lae-Light beacons established
1284/2012	Aus662	<i>Hyane Harbour to Lorengau Bay</i> Light beacons established
1285/2012	Aus388	<i>Karkar Island</i> Light beacon established
1282/2012	Aus674-677	<i>Kimbe</i> Light beacons established
1279/2012	Aus383-514-515-635	<i>Kwaipan Bay to Ginada Island</i> Light beacons established
904/2012	Aus643	<i>Lae</i> Dredging operations
1278/2012	Aus628	<i>Meimeiara Island</i> Light beacons established
404/2008	Aus379-505-4620	<i>Port Moresby</i> Fish aggregation device southwards
1276/2012	Aus624-625	<i>Samarai Island</i> Light beacon established
966/2012		AUSTRALIA Summer time

HYDROGRAPHIC REPORTS

<i>Locality</i>	<i>Report</i>	<i>Ship/Authority</i>	<i>Observer</i>
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 E marked by two light buoys, *Fl.5s*.
- 319 Cancelled.
- 320 Cancelled.
- 321 4 mooring buoys laid in the vicinity of 13° 49'·1 S 123° 19'·6 E. Light characteristics *Fl.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 19° 33'·98 S 116° 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.

NAVAREA X WARNINGS**2012**

- 035 Cancelled.

2013

- 001 Special purpose vessel *Ile 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.

<i>Name</i>	<i>Position</i>
Jack Bates	13° 24'·93 S 123° 18'·21 E
Transocean Legend	13° 44'·71 S 122° 07'·38 E
Ensco 109	15° 15'·08 S 121° 56'·23 E
Nan Hai 6	19° 17'·57 S 116° 45'·82 E
Atwood Eagle	19° 33'·98 S 116° 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	39° 06'·50 S 142° 57'·01 E

NAVAREA XIV WARNINGS

Nil.

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

076 095 105 108

To accompany Australian Notice to Mariners 1250/2012

MARINE FARMS

Marine farms, which may be floating or fixed structures and their associated moorings should be avoided. The farms are generally marked by buoys or beacons, which may be lit. Their charted positions are approximate.

Note for chart Aus 323.

To accompany Australian Notice to Mariners 47/2013

MARINE FARMS

Marine farms, which may be floating or fixed structures and their associated moorings should be avoided. The farms are generally marked by buoys or beacons, which may be lit. Their charted positions are approximate.

Note for chart Aus 800.