




Australian Notices to Mariners are the authority for correcting Australian Charts

AUSTRALIAN NOTICES TO MARINERS

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 Notices 562 - 610

Published fortnightly by the Australian Hydrographic Service

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Hydrographer of Australia

- SECTIONS.**
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 - II. Amendments to Admiralty List of Lights and Fog Signals, Vol K**
 - III. Navigational Warnings.**
 - IV. Hydrographic Reports.**
 - V. Amendments to Admiralty List of Radio Signals (NP 281(2), 282, 283(2), 285, 286(4))**
 - VI. Amendments to Admiralty Sailing Directions (NP 9, 13, 14, 15, 17, 33, 34, 35, 36, 39, 44, 51, 60, 61, 62, 100, 136)**

[British Admiralty Notices to Mariners](#)
[New Zealand Notices to Mariners](#)

The substance of these notices should be inserted on the charts affected.

Bearings are referred to the true compass and are reckoned clockwise from 000° (North) to 359°; 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.*

Mariners are particularly requested to notify the AUSTRALIAN HYDROGRAPHIC SERVICE, Locked Bag 8801 South Coast Mail Centre, NSW 2521 (Fax 02-4221 8599, 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 recaus@amsa.gov.au).

Copies of these notices can be obtained from the AUSTRALIAN HYDROGRAPHIC OFFICE, 8 Station Street, Wollongong; Distributors for the sale of Australian Navigational Products or register for eNotices at www.hydro.gov.au/enotices/enotices.htm.

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IMPORTANT NOTICE

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Edition No 15

23 July 2004

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562 AUSTRALIA - Products.

AHS (A93359, A93365 & A93461).

New chart

<i>Chart</i>	<i>Published</i>	<i>Title, limits and description of amendments</i>	<i>Scale</i>	<i>Folio</i>	<i>Index Chart</i>	<i>Price</i>
Aus 193	28/5/2004	Australia - East Coast - New South Wales - Jervis Bay 34° 58' 54" S - 35° 12' 12" S 150° 39' 42" E - 151° 07' 12" E	1:37 500	6	Aus 65001	\$29.50

*Plan:**Huskisson*

1:15 000

35° 01' 13" S - 35° 02' 24" S

150° 39' 50" E - 150° 41' 14" E

HMAS Creswell

1:5 000

35° 07' 00" S - 35° 07' 24" S

150° 42' 10" E - 150° 42' 38" E

New chart providing improved coverage of Jervis Bay with general updating throughout including ESSA.

Datums are referred to WGS 84 and LAT.

Miscellaneous chart

<i>Chart</i>	<i>Published</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
AX 63112	25/6/2004	Australia - West Coast - Western Australia - Approaches to Fremantle	1:37 500	Fleet use only
AX 63262	25/6/2004	Australia - East Coast - Queensland - Approaches to Cairns	25 000	Fleet use only
AZ 63001	28/5/2004	Australia - Papua New Guinea - Daru Island to Deliverance Island	1:150 000	Fleet use only

New chart to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>
Aus 281	Australia - East Coast - Queensland - First Three Mile Opening to Cape Direction	1 75 000

New edition to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>
Aus 4714 (INT 714)	Indian Ocean - Cocos (Keeling) Islands to Ile Saint Paul	1 3 500 000

563* AUSTRALIA - Miscellaneous correction.

UKHO (A92314), AHS (A96530).

Aus 155 [190/2004]

Insert	accompanying plan, <i>St Kilda Harbour</i>	37° 56'.7 S	145° 04'.0 E
	magenta limits with legend <i>See Plan</i> in SW corner		
	North	37° 51'.35 S	
	South	37° 52'.10 S	
	East		144° 58'.25 E
	West		144° 57'.30 E

Aus 365 [532/2004]

Insert	magenta limits with legend <i>Aus 235</i> in NE corner		
	North	26° 37'.87 S	
	East		153° 39'.85 E
	West		152° 52'.90 E

Delete	magenta limits with legend <i>Aus 235</i> centred on	26° 50'.0 S	153° 15'.0 E
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Aus 395 [66/2003]

Insert	magenta limits with legend <i>Aus 676</i>		
	North	4° 39'.15 S	
	South	4° 40'.90 S	
	East		149° 34'.33 E
	West		149° 32'.45 E
	magenta limits with legend <i>Aus 676</i> in NW corner		
	North	5° 32'.70 S	
	South	5° 35'.83 S	
	East		149° 14'.60 E
	West		149° 11'.08 E

564* AUSTRALIA - NEW SOUTH WALES - Botany Bay - Lights.

Sydney Ports Corp (A93459), AHS (A66701).

Aus 198 [95/2004]

Amend	light to <i>Iso. R. 2s</i>	34° 00'.02 S	151° 12'.57 E
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Aus 199 [95/2004]

Insert	light characteristic, <i>Iso. 2s</i> , at light	33° 58'.089 S	151° 13'.147 E
	light characteristic, <i>Q</i> , at light	33° 58'.084 S	151° 13'.160 E
		33° 58'.076 S	151° 13'.190 E

Amend	light to <i>Iso. R. 2s</i>	33° 59'.93 S	151° 12'.63 E
	light to <i>F. R. 18m</i>	33° 58'.086 S	151° 13'.234 E
		33° 58'.062 S	151° 13'.223 E
	light to <i>F. R. 23m</i>	33° 58'.077 S	151° 13'.262 E
		33° 58'.055 S	151° 13'.252 E

Delete	legend 3Dns Fl(2) 5s centred on	33° 58'.09 S	151° 13'.14 E
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565* AUSTRALIA - NEW SOUTH WALES - Yamba - Lights.

Waterways Authority (A93363, A93364 & A93583).

Aus 220 (plan, Clarence River) [712/2003]

Amend	light to <i>Iso. G. 2s</i>	29° 23'.53 S	153° 20'.09 E
	light to <i>F. Bu</i>	29° 22'.67 S	153° 17'.34 E
	light to <i>2F. Bu</i>	29° 22'.77 S	153° 16'.89 E

566* AUSTRALIA - QUEENSLAND - Moreton Bay - Light beacon altered in position.

List of Lights Vol K/2004 -- 2899.30

Maritime Safety Queensland Notice 276/2004 (A92838).

Aus 236 [394/2004]

Insert	light beacon, <i>Fl. R.</i> 2.5s, with port lateral topmark	27° 30'.02 S	153° 23'.56 E
Delete	light beacon	27° 30'.4 S	153° 23'.5 E
	structure colour R	27° 29'.9 S	153° 23'.5 E
	depth 0 ₅ m	27° 29'.9 S	153° 23'.4 E

567* AUSTRALIA - QUEENSLAND - Broad Sound Channel - Depths.

UKHO (A93460, A93464), AHS (A92665).

Aus 367 [499/2004]

Insert	depth, 14 ₅ m, enclosed by contour	22° 06'.90 S	150° 11'.30 E
	depth, 14 ₇ m, enclosed by contour	22° 06'.09 S	150° 09'.72 E
	depth, 14 ₂ m, enclosed by contour	22° 05'.47 S	150° 10'.99 E
	depth, 16 ₁ m, and extend 20m contour SE to enclose	22° 11'.3 S	150° 27'.5 E
	depth, 18 ₈ m, enclosed by contour	22° 03'.2 S	150° 14'.3 E
	depth, 18 ₅ m, enclosed by contour	22° 02'.5 S	150° 15'.8 E
	20m contour between	22° 05'.3 S	150° 11'.9 E
		22° 02'.3 S	150° 08'.7 E
Substitute	depth, 5 ₁ m, for 5 ₇ m	22° 06'.1 S	150° 11'.8 E
	depth, 4 ₃ m, for 4 ₉ m	22° 06'.5 S	150° 12'.9 E
	depth, 9 ₁ m, for 9 ₇ m	22° 06'.6 S	150° 13'.6 E
	depth, 4 ₈ m, enclosed by contour for 5 ₅ m	22° 12'.5 S	150° 13'.8 E
	depth, 12 ₆ m, for 13 ₇ m	22° 10'.6 S	150° 27'.0 E
Delete	depth 22m and enclosing contour	22° 07'.6 S	150° 13'.1 E
	20m contour centred on	22° 08'.4 S	150° 14'.8 E
	depth 20 ₁ m	22° 05'.1 S	150° 10'.8 E
	depth 22m	22° 03'.4 S	150° 13'.2 E
	20m contour between	22° 05'.3 S	150° 11'.9 E
		22° 06'.1 S	150° 10'.0 E
	22° 02'.3 S	150° 08'.7 E	

Aus 822 [499/2004]

Insert	depth, 14 ₅ m, enclosed by contour	22° 06'.90 S	150° 11'.30 E
	depth, 14 ₇ m, enclosed by contour	22° 06'.09 S	150° 09'.72 E
	depth, 14 ₂ m, enclosed by contour	22° 05'.47 S	150° 10'.99 E
	depth, 14 ₁ m, enclosed by contour	22° 09'.68 S	150° 18'.76 E
	20m contour between	22° 05'.4 S	150° 12'.0 E
		22° 04'.4 S	150° 08'.7 E
Substitute	depth, 5 ₁ m, for 5 ₇ m	22° 06'.1 S	150° 11'.8 E
	depth, 4 ₃ m, for 4 ₉ m	22° 06'.5 S	150° 12'.9 E
	depth, 9 ₁ m, for 9 ₇ m	22° 06'.6 S	150° 13'.6 E
	depth, 4 ₈ m, enclosed by contour for 5 ₅ m	22° 12'.5 S	150° 13'.8 E
	depth, 12 ₆ m, for 13 ₇ m	22° 10'.6 S	150° 27'.0 E
	depth, 16 ₁ m, enclosed by contour for 20 ₁ m	22° 11'.3 S	150° 27'.5 E
	depth, 18 ₈ m, for 19 ₄ m	22° 03'.2 S	150° 14'.3 E
	depth, 18 ₅ m, for 19 ₁ m	22° 02'.5 S	150° 15'.8 E
Delete	depth 18 ₃ m	22° 09'.9 S	150° 18'.8 E
	depth 22m and enclosing contour	22° 07'.6 S	150° 13'.1 E
	depth 20 ₁ m and enclosing contour	22° 08'.4 S	150° 14'.8 E
	depth 20 ₁ m	22° 05'.1 S	150° 10'.8 E
	20m contour between	22° 05'.4 S	150° 12'.0 E
		22° 06'.1 S	150° 10'.0 E
	22° 04'.4 S	150° 08'.7 E	

568* AUSTRALIA - QUEENSLAND - Schooner Rock - Drying height.
AHS (A67763).

Aus 251 [499/2004]

Amend drying height to 4₉ m 20° 54'.05 S 149° 25'.95 E

569* AUSTRALIA - QUEENSLAND - Bowen - Stone Island - Light.

Maritime Safety Queensland Notice 252/2004 (A89198 & A96377), MT *Denison* (A86185).

Aus 268 (plan, Approaches to Bowen) [499/2004]

Insert light, *F*(2) 6s 20° 01'.857 S 148° 16'.631 E
firm line between 20° 01'.857 S 148° 16'.631 E
20° 01'.857 S 148° 16'.740 E

Delete beacon 20° 01'.42 S 148° 14'.74 E
20° 01'.32 S 148° 14'.54 E

570* AUSTRALIA - QUEENSLAND - Abbot Point - Depth.

AHS (A93312).

Aus 826 [499/2004]

Insert depth, 5₃ m 19° 54'.68 S 148° 07'.33 E

Delete depth 5₈ m 19° 55'.0 S 148° 07'.3 E
depth 7₆ m 19° 54'.5 S 148° 07'.7 E

571* AUSTRALIA - QUEENSLAND - Orpheus Island - Depth.

AHS (A92979).

Aus 827 [499/2004]

Insert depth, 9₉ m 18° 36'.1 S 146° 29'.1 E

572* AUSTRALIA - QUEENSLAND - Lads Passage - Two-way route.

AMSA (A81128), AHS (A82958).

Aus 280 (plan, Flinders Group) [499/2004]

Insert magenta pecked line between 14° 03'.690 S 144° 24'.000 E
14° 02'.600 S 144° 23'.080 E
magenta pecked line between 14° 04'.535 S 144° 22'.915 E
14° 02'.600 S 144° 21'.430 E

Delete magenta pecked line between 14° 04'.54 S 144° 22'.92 E
14° 05'.03 S 144° 24'.00 E

Aus 374 [532/2004]

Insert magenta pecked line between 14° 05'.83 S 144° 25'.62 E
13° 45'.99 S 144° 09'.17 E
13° 41'.41 S 144° 05'.57 E
13° 17'.20 S 143° 50'.96 E
13° 00'.00 S 143° 44'.70 E
magenta pecked line between 14° 04'.63 S 144° 22'.86 E
13° 53'.80 S 144° 14'.43 E
13° 41'.57 S 144° 03'.86 E
13° 17'.12 S 143° 49'.92 E
13° 09'.65 S 143° 47'.30 E
13° 00'.00 S 143° 43'.90 E

Delete magenta pecked line between 14° 04'.63 S 144° 22'.86 E
14° 05'.83 S 144° 25'.62 E

Aus 375 [532/2004]

Insert	magenta pecked line between	13° 29'.70 S	143° 58'.55 E
		13° 17'.20 S	143° 50'.96 E
		12° 56'.29 S	143° 43'.21 E
		12° 51'.88 S	143° 39'.29 E
		12° 51'.17 S	143° 37'.79 E
		12° 49'.42 S	143° 36'.09 E
	magenta pecked line between	13° 29'.70 S	143° 57'.10 E
		13° 17'.12 S	143° 49'.92 E
		13° 09'.65 S	143° 47'.30 E
		12° 58'.57 S	143° 43'.34 E
		12° 52'.34 S	143° 38'.53 E
		12° 51'.06 S	143° 35'.78 E
Delete	magenta pecked line between	12° 51'.06 S	143° 35'.78 E
		12° 49'.42 S	143° 36'.09 E

Aus 833 [499/2004]

Insert	magenta pecked line between	14° 05'.74 S	144° 25'.68 E
		13° 45'.91 S	144° 09'.23 E
		13° 41'.32 S	144° 05'.63 E
		13° 35'.00 S	144° 01'.85 E
	magenta pecked line between	14° 04'.54 S	144° 22'.92 E
		13° 53'.71 S	144° 14'.49 E
		13° 41'.48 S	144° 03'.92 E
		13° 35'.00 S	144° 00'.25 E
Delete	magenta pecked line between	14° 04'.54 S	144° 22'.92 E
		14° 05'.74 S	144° 25'.68 E

Aus 834 [499/2004]

Insert	magenta pecked line between	13° 49'.78 S	144° 12'.50 E
		13° 45'.90 S	144° 09'.23 E
		13° 41'.32 S	144° 05'.63 E
		13° 17'.11 S	143° 51'.02 E
		12° 56'.20 S	143° 43'.27 E
		12° 51'.79 S	143° 39'.35 E
		12° 51'.08 S	143° 37'.85 E
		12° 49'.33 S	143° 36'.15 E
	magenta pecked line between	13° 51'.38 S	144° 12'.50 E
		13° 41'.48 S	144° 03'.92 E
		13° 17'.03 S	143° 49'.98 E
		13° 09'.56 S	143° 47'.36 E
		12° 58'.48 S	143° 43'.40 E
		12° 52'.25 S	143° 38'.59 E
		12° 50'.97 S	143° 35'.84 E
Delete	magenta pecked line between	12° 50'.97 S	143° 35'.84 E
		12° 49'.33 S	143° 36'.15 E

AU413144 ENC cell will be amended in the August update release.

AU414143 ENC cell will be amended in the August update release.

AU414144 ENC cell will be amended in the August update release.

573* AUSTRALIA - QUEENSLAND - Lads Passage - Nav aids.

Former Notices - 457(P)/2004 & 458(P)/2004 are cancelled

List of Lights Vol K/2004 -- 3233.15, 3233.30, 3233.32, 3233.40, 3233.43, 3233.45, 3233.47, 3233.485, 3233.50, 3233.505, 3233.53, 3235.05, 3235.50, 3235.57, 3235.575.

Auscoast warnings 194 – 199, 201, 203, 207 – 209, 211, 212, 214, 215, 217, 220 – 222/2004 (A96542).

Aus 374 [572/2004]

Insert	light beacon, <i>Fl.</i> 5s 10M, without topmark	(a)	13° 26'.30 S	143° 58'.09 E
	light sector emanating from (a) <i>White</i> 320° - 160° (200°)			
	light beacon, <i>Fl</i> (2) WRG. 8s 14/11M, without topmark and <i>Racon</i> (K)		13° 11'.65 S	143° 47'.49 E
	light beacon, <i>Fl</i> (4) 16s 6M, without topmark		13° 05'.38 S	143° 44'.93 E
Delete	depth 7 ₄ fm		13° 11'.5 S	143° 47'.5 E

Aus 375 [572/2004]

Insert	light beacon, <i>Fl.</i> 5s 10M, without topmark	(a)	13° 26'.30 S	143° 58'.09 E
	light sector emanating from (a) <i>White</i> 320° - 160° (200°)			
	light beacon, <i>Fl</i> (2) WRG. 8s 14/11M, without topmark and <i>Racon</i> (K)		13° 11'.65 S	143° 47'.49 E
	light beacon, <i>Fl</i> (4) 16s 6M, without topmark		13° 05'.38 S	143° 44'.93 E
	light beacon, <i>Fl.</i> WR. 7.5s 10/8M, without topmark	(b)	12° 59'.79 S	143° 43'.40 E
	light sector emanating from (b) <i>Red</i> 342° - 150° (168°)			
	light beacon, <i>Fl</i> (2) WR. 8s 14/11M, without topmark	(c)	12° 52'.76 S	143° 41'.72 E
	light sectors emanating from (c) <i>Red</i> 327° - 340° (13°) <i>Red</i> 112° - 150° (38°)			
	light beacon, <i>Fl.</i> G. 2.5s 8M, without topmark		12° 52'.39 S	143° 38'.17 E
	light beacon, <i>Iso.</i> 3s 10M, without topmark		12° 51'.25 S	143° 38'.41 E
Delete	depth 7 ₄ fm		13° 11'.5 S	143° 47'.5 E
	dangerous underwater rock and enclosing danger circle		12° 59'.8 S	143° 43'.4 E
	depth 1 ₂ fm		12° 52'.7 S	143° 38'.1 E
	depth 17fm		12° 51'.7 S	143° 38'.2 E

Aus 833 [572/2004]

Insert	east cardinal pillar light buoy, Q(3) 10s, with topmark		13° 54'.51 S	144° 14'.49 E
	isolated danger pillar light buoy, <i>Fl</i> (2) 6s, with topmark		13° 46'.28 S	144° 09'.56 E
Delete	depth 13 ₅ m		13° 46'.5 S	144° 09'.8 E

Aus 834 [572/2004]

Insert	isolated danger pillar light buoy, <i>Fl</i> (2) 6s, with topmark		13° 46'.28 S	144° 09'.56 E
	light beacon, <i>Fl.</i> 5s 14m 10M, without topmark	(a)	13° 26'.21 S	143° 58'.15 E
	light sector emanating from (a) <i>White</i> 320° - 160° (200°)			
	west cardinal pillar light buoy, Q(9) 15s, with topmark		13° 19'.00 S	143° 52'.25 E
			13° 11'.57 S	143° 49'.00 E
	starboard lateral pillar light buoy, <i>Fl.</i> G. 3s, with topmark		13° 17'.49 S	143° 50'.66 E
	port lateral pillar light buoy, <i>Fl.</i> R. 3s, with topmark		13° 17'.05 S	143° 51'.16 E
	light beacon, <i>Fl</i> (2) WRG. 8s 22m 14/11M, without topmark and <i>Racon</i> (K)	(b)	13° 11'.56 S	143° 47'.55 E
	light sectors emanating from (b) <i>Red</i> 167° - 174° (7°) <i>Green</i> 309° - 328° (19°) <i>White</i> 328° - 332° (4°) <i>Red</i> 332° - 350° (18°)			
	light beacon, <i>Fl</i> (4) 16s 12m 6M, without topmark		13° 05'.29 S	143° 44'.99 E
	light beacon, <i>Fl.</i> WR. 7.5s 12m 10/8M, without topmark	(c)	12° 59'.70 S	143° 43'.46 E
	light sector emanating from (c) <i>Red</i> 342° - 150° (168°)			
	light beacon, <i>Fl</i> (2) WR. 8s 22m 14/11M, without topmark	(d)	12° 52'.67 S	143° 41'.78 E
	light sectors emanating from (d) <i>Red</i> 327° - 340° (13°) <i>Red</i> 112° - 150° (38°)			
	light beacon, <i>Fl.</i> G. 2.5s 12m 8M, without topmark		12° 52'.30 S	143° 38'.23 E

	light beacon, <i>Iso. 3s 12m 10M</i> , without topmark	12° 51'.16 S	143° 38'.47 E
Delete	light buoy	13° 17'.1 S	143° 51'.0 E
		13° 02'.1 S	143° 45'.6 E
		12° 52'.1 S	143° 38'.2 E
		12° 51'.4 S	143° 38'.4 E
	light buoy and racon	13° 11'.5 S	143° 47'.8 E
		12° 59'.7 S	143° 43'.5 E
	depth 13 ₅ m	13° 46'.2 S	144° 09'.8 E
	depth 26 ₉ m	13° 26'.0 S	143° 57'.8 E
	depth 12 ₅ m	13° 18'.7 S	143° 52'.4 E
	depth 15 ₁ m	13° 17'.5 S	143° 50'.6 E
	depth 10 ₉ m	13° 17'.0 S	143° 51'.3 E
	depth 9 ₁ m	13° 11'.6 S	143° 47'.5 E
	depth 3 ₁ m	12° 52'.5 S	143° 38'.2 E
		12° 52'.4 S	143° 41'.6 E

AU413143 ENC cell will be amended in the August update release.

AU414143 ENC cell will be amended in the August update release.

574* AUSTRALIA - QUEENSLAND - Diamond Reign Reefs - Depth disproved.
AHS (A93224).

Aus 374 [573/2004]

Delete	depth 1 ₄ fm and enclosing contour	13° 12'.6 S	143° 47'.1 E
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Aus 375 [573/2004]

Delete	depth 1 ₄ fm and enclosing contour	13° 12'.6 S	143° 47'.1 E
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Aus 834 [573/2004]

Delete	depth 3 ₂ m, enclosing contour and legend Rep (2001)	13° 12'.5 S	143° 47'.2 E
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AU414143 ENC cell will be amended in the August update release.

575* AUSTRALIA - QUEENSLAND - Sir Charles Hardy Islands - Depths.
HMAS *Flinders* HI 42 (A93493).

Aus 375 [574/2004]

Substitute	depth, 4 ₃ fm, with legend <i>SD</i> , for depth 2 ₄ fm	11° 54'.2 S	143° 34'.3 E
	depth, 6 ₁ fm, with legend <i>SD</i> , for depth 2 ₄ fm	11° 52'.5 S	143° 38'.0 E

Aus 835 [499/2004]

Insert	legend, <i>SD</i>	11° 54'.1 S	143° 34'.4 E
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Aus 836 [499/2004]

Substitute	depth, 8 ₂ m, with legend <i>SD</i> , for depth 5m	11° 54'.2 S	143° 34'.3 E
	depth, 11 ₃ m, with legend <i>SD</i> , for depth 5m	11° 52'.4 S	143° 38'.1 E

AU412143 ENC cell will be amended in the August update release.

576* AUSTRALIA - QUEENSLAND - Warrior Reefs - Depths westward.
 AHS (A93494).

Aus 376 [534/2004]

Insert	depth, 6 ₇ m	9° 36'.08 S	142° 58'.89 E
	depth, 7 ₆ m	9° 34'.45 S	142° 48'.93 E
	depth, 5 ₇ m	9° 32'.88 S	143° 00'.49 E
	depth, 6 ₂ m	9° 32'.20 S	142° 57'.32 E
	depth, 6 ₉ m	9° 31'.16 S	142° 49'.20 E
	depth, 5 ₉ m	9° 29'.89 S	143° 02'.56 E
	depth, 7 ₁ m	9° 29'.59 S	142° 52'.76 E
	depth, 7 ₁ m	9° 29'.49 S	142° 58'.85 E

Aus 840 [433/2004]

Insert	depth, 6 ₇ m	9° 35'.99 S	142° 58'.95 E
	depth, 7 ₆ m	9° 34'.36 S	142° 48'.99 E
	depth, 7m	9° 33'.76 S	142° 53'.89 E
	depth, 5 ₇ m	9° 32'.79 S	143° 00'.55 E
	depth, 6 ₂ m	9° 32'.11 S	142° 57'.38 E
	depth, 6 ₉ m	9° 31'.07 S	142° 49'.26 E
	depth, 5 ₉ m	9° 29'.80 S	143° 02'.62 E
	depth, 5 ₉ m	9° 29'.50 S	142° 52'.82 E
	depth, 7 ₁ m	9° 29'.40 S	142° 58'.91 E

577* AUSTRALIA - NORTHERN TERRITORY - Cape Cockburn - Shoal northwestwards.
 HMAS *Mermaid* (A93582).

Aus 308 [476/2004]

Insert	depth, 1 ₃ fm, and extend contour S to enclose	11° 18'.18 S	132° 46'.90 E
Delete	depth 3fm	11° 18'.0 S	132° 46'.8 E

Aus 442 [275/2004]

Substitute	depth, 1 ₃ fm, for depth 3fm	11° 18'.1 S	132° 47'.0 E
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AX 70308 [476/2004]

Insert	depth, 1 ₃ fm, and extend contour S to enclose	11° 18'.18 S	132° 46'.90 E
Delete	depth 3fm	11° 18'.0 S	132° 46'.8 E

578* INDONESIA - Trangan to Wetar - Archipelagic sea lanes.
AHS (A92825).

Aus 4721 (INT 721) [502/2004]

Insert	magenta pecked line, with legend <i>ASL</i> (see <i>Note</i>), between	6° 44'.0 S	132° 35'.0 E
		6° 30'.0 S	132° 14'.0 E
	magenta pecked line, with legend <i>ASL</i> (see <i>Note</i>), between	7° 50'.0 S	125° 21'.3 E
		6° 30'.0 S	125° 25'.0 E
Delete	magenta pecked line, with legend <i>ASL</i> (see <i>Note</i>), between	6° 44'.0 S	132° 35'.0 E
		6° 30'.0 S	132° 25'.8 E
	magenta pecked line, with legend <i>ASL</i> (see <i>Note</i>), between	7° 30'.0 S	125° 21'.0 E
		6° 30'.0 S	125° 19'.0 E

Aus 4722 (INT 722) [363/2004]

Insert	magenta pecked line, with legend <i>ASL</i> (see <i>Note</i>), between	7° 50'.0 S	125° 21'.3 E
		6° 51'.8 S	125° 24'.0 E
Delete	magenta pecked line, with legend <i>ASL</i> (see <i>Note</i>), between	7° 30'.0 S	125° 21'.0 E
		6° 51'.8 S	125° 20'.0 E

579* WESTERN AUSTRALIA - Hidden Island - Rock.

Department of Fisheries WA (A93262).

Aus 323 [689/2003]

Insert	dangerous underwater rock enclosed by danger circle	16° 17'.53 S	123° 29'.65 E
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Aus 732 [689/2003]

Insert	dangerous underwater rock enclosed by danger circle, with legend <i>Rep</i> (2004)	16° 17'.53 S	123° 29'.65 E
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Aus 733 [340/2003]

Insert	dangerous underwater rock enclosed by danger circle, with legend <i>Rep</i> (2004)	16° 17'.53 S	123° 29'.65 E
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580* WESTERN AUSTRALIA - Varanus Island - Depth.

Former Notice - 488(T)/2002 is cancelled
Pelagian Holdings (A87685), AHS (A93519).

Aus 327 [538/2004]

Substitute	depth, 10 ₄ <i>fm</i> , for depth 11fm	20° 39'.0 S	115° 37'.8 E
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Aus 328 [538/2004]

Substitute	depth, 19 ₆ <i>m</i> , enclosed by contour, for depth 20 ₁ <i>m</i>	20° 39'.0 S	115° 37'.8 E
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Aus 742 [538/2004]

Insert	depth, 19 ₆ <i>m</i> , enclosed by contour	20° 38'.95 S	115° 37'.91 E
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581* WESTERN AUSTRALIA - Cape Leeuwin - Obstruction.
CTBTO (A93368).

Aus 335 [540/2004]

Insert danger circle, radius 1M, with legend *Obstn*, centred on 34° 53'.5 S 114° 08'.6 E

Aus 417 [222/2004]

Insert danger circle with legend *Obstn*, centred on 34° 53'.4 S 114° 08'.7 E

Aus 4708 (INT 708) [402/2004]

Insert danger circle with legend *Obstn*, centred on 34° 53'.0 S 114° 09'.0 E

Aus 4709 (INT 709) [204/2003]

Insert danger circle with legend *Obstn*, centred on 34° 53'.0 S 114° 09'.0 E

Aus 4710 (INT 710) [322/2001]

Insert danger circle with legend *Obstn*, centred on 34° 53'.0 S 114° 09'.0 E

Aus 4726 (INT 726) [98/2002]

Insert danger circle with legend *Obstn*, centred on 34° 53'.4 S 114° 08'.7 E

582* WESTERN AUSTRALIA - Albany - Light; mooring buoy altered in position.

Albany Port Authority (A88518).

Aus 109 [527/2004]

Amend legend to *Mast (Fl. Y. 5s)* 35° 04'.79 S 117° 58'.07 E

Aus 110 [110/2004]

Insert dangerous wreck, with legend *Mast (Fl. Y. 5s)* 35° 04'.859 S 117° 57'.987 E

Move mooring buoy 35° 02'.81 S 117° 55'.38 E
to 35° 02'.880 S 117° 55'.436 E

Delete dangerous wreck with legend 35° 04'.8 S 117° 58'.1 E

Aus 118 [110/2004]

Insert dangerous wreck, with legend *Mast (Fl. Y. 5s)* 35° 04'.86 S 117° 57'.99 E

Move mooring buoy 35° 02'.81 S 117° 55'.38 E
to 35° 02'.88 S 117° 55'.44 E

Delete dangerous wreck with legend 35° 04'.8 S 117° 58'.1 E

583* AUSTRALIA - TASMANIA - Low Rocky Point - Rock.

SV *Westerly Serenade* (A93553).

Aus 354 [284/2004]

Insert rock which covers and uncovers enclosed by danger circle, with legend *Rep (2001)* 43° 02'.8 S 145° 36'.2 E

Aus 422 [443/2004]

Insert rock which covers and uncovers enclosed by danger circle 43° 03'.0 S 145° 36'.0 E

584* AUSTRALIA - TASMANIA - North West Bay - Light beacon permanently withdrawn.

List of Lights Vol K/2004 -- 3636.42

HMAS *Melville* (A93590), Hobart Ports Corp (A93346).

Aus 171 [543/2004]

Delete light beacon 43° 03'.55 S 147° 16'.05 E

Aus 173 [366/2004]

Delete light beacon 43° 03'.55 S 147° 16'.05 E

Aus 174 (plan, North West Bay) [329/2004]

Delete light beacon 43° 03'.55 S 147° 16'.05 E

585* AUSTRALIA - TASMANIA - Pirates Bay - Light.

Maritime and Safety Tasmania Notice M40/2004 (A89166 & A93515).

Aus 354 [583/2004]

Insert light, *F. Bu* 43° 02'.1 S 147° 56'.4 E

Aus 355 [284/2004]

Insert light, *F. Bu* 43° 02'.1 S 147° 56'.4 E

Aus 795 [284/2004]

Insert light, *F. Bu* 43° 02'.13 S 147° 56'.66 E

586* AUSTRALIA - VICTORIA - Port Phillip - Corio Bay - Buoys.

Victorian Notice 56/2004 (A92803).

Aus 157 [229/2004]

Insert special spar buoy without topmark
38° 05'.02 S 144° 23'.78 E
38° 05'.06 S 144° 23'.73 E

587* AUSTRALIA - VICTORIA - Port Phillip - Victoria Dock - Infrastructure.

Port Melbourne Corp, AHS (A91607).

Aus 154 [509/2004]

Insert accompanying block 37° 49'.0 S 144° 56'.0 E

588* AUSTRALIA - VICTORIA - Western Port - Rutherford Inlet - Infrastructure; beacons.

Parks Victoria (A87106).

Aus 152 (plan, Rutherford Inlet) [230/2004]

Insert accompanying block 38° 13'.5 S 145° 18'.5 E

589* AUSTRALIA - BASS STRAIT - Ninty Mile Beach - Submarine cable southwards.

Former Notice - 388(P)/2004 is cancelled

Pirelli (A92977).

Aus 148 (plan, Hogan Group) [485/2004]

Insert submarine power cable between

39° 10'.23 S	146° 55'.06 E
39° 11'.58 S	146° 54'.72 E
39° 17'.50 S	146° 54'.48 E

Aus 357 [443/2004]

Insert submarine power cable between

38° 27'.35 S	147° 05'.59 E
38° 27'.88 S	147° 06'.22 E
38° 31'.61 S	147° 04'.25 E
38° 34'.28 S	147° 04'.27 E
39° 11'.67 S	146° 54'.65 E
39° 18'.71 S	146° 54'.37 E

Aus 357A [887/2003]

Insert submarine power cable between

38° 27'.35 S	147° 05'.58 E
38° 27'.88 S	147° 06'.21 E
38° 31'.61 S	147° 04'.24 E
38° 34'.28 S	147° 04'.26 E
39° 11'.67 S	146° 54'.64 E
39° 18'.71 S	146° 54'.36 E

Aus 422 [583/2004]

Insert submarine power cable between

38° 27'.1 S	147° 05'.7 E
39° 11'.6 S	146° 54'.7 E
39° 18'.6 S	146° 54'.4 E

Aus 445A [443/2004]

Insert submarine power cable between

38° 27'.4 S	147° 05'.7 E
38° 27'.8 S	147° 06'.3 E
38° 31'.5 S	147° 04'.3 E
38° 34'.2 S	147° 04'.3 E
39° 11'.6 S	146° 54'.7 E
39° 18'.6 S	146° 54'.4 E

Aus 802 [444/2004]

Insert submarine power cable between

38° 47'.37 S	147° 00'.87 E
39° 11'.67 S	146° 54'.64 E
39° 18'.71 S	146° 54'.36 E

590(T)/2004 AUSTRALIA - NEW SOUTH WALES - Montague Island to Byron Bay - Light buoys.

Former Notice - 289(T)/2004 is cancelled

Date - Until 1 July 2005

Fisheries NSW (A77320 & A81329).

Fish aggregation devices marked by special light buoys, *Fl. Y. 5s*, exist as follows:

<i>Location</i>	<i>Position (WGS 84)</i>	<i>Chart Affected</i>
Montague Island	36° 16'.27 S 150° 16'.24 E	Aus 806, Aus 807
Batemans Bay	35° 45'.38 S 150° 20'.62 E	Aus 807
Jervis Bay	35° 06'.62 S 150° 53'.95 E	Aus 193, Aus 807, Aus 808, AX 70808
Cape Banks	33° 59'.32 S 151° 20'.95 E	Aus 197, Aus 808, AX 70197, AX 70808
Terrigal	33° 26'.93 S 151° 34'.21 E	Aus 197, Aus 809, AX 70197
Point Stephens	32° 47'.00 S 152° 24'.66 E	Aus 810
Port Stephens	32° 46'.02 S 152° 15'.25 E	Aus 810
Cape Hawke	32° 14'.27 S 152° 36'.95 E	Aus 810
Cape Hawke	32° 13'.21 S 152° 40'.68 E	Aus 810
Diamond Head	31° 44'.89 S 152° 53'.45 E	Aus 811
Port Macquarie	31° 24'.57 S 153° 04'.73 E	Aus 811
South West Rocks	30° 50'.99 S 153° 06'.94 E	Aus 811, Aus 812
Coffs Harbour	30° 14'.69 S 153° 21'.72 E	Aus 812
Byron Bay	28° 35'.12 S 153° 38'.34 E	Aus 813

Chart temporarily affected - Aus 193 - Aus 197 - Aus 806 - Aus 807 - Aus 808 - Aus 809 - Aus 810 - Aus 811 - Aus 812 - Aus 813 - AX 70197 - AX 70808.

591(T)/2004 AUSTRALIA - NEW SOUTH WALES - Jervis Bay - Obstruction.

Former Notice - 512(T)/2004 is cancelled

DTN warning 67/2004 (A90311).

A mine shape exists in position 35° 04'.16 S 150° 44'.78 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 193.

592(T)/2004 AUSTRALIA - NEW SOUTH WALES - Jervis Bay - Obstructions.

Former Notice - 486(T)/2004 is cancelled

Date - Until 24 December 2004

DTN warning 65/2004 (A87629).

Mine shapes have been laid as follows:

35° 04'.714 S 150° 43'.388 E
35° 05'.125 S 150° 43'.359 E
35° 05'.643 S 150° 42'.884 E
35° 05'.173 S 150° 42'.901 E
35° 05'.756 S 150° 43'.808 E
35° 05'.225 S 150° 43'.791 E
35° 04'.718 S 150° 42'.926 E
35° 05'.620 S 150° 43'.800 E
35° 05'.498 S 150° 43'.317 E

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 193.

593(T)/2004 AUSTRALIA - NEW SOUTH WALES - Jervis Bay - Light buoy off station.

Former Notice - 407(T)/2004 is cancelled

HMAS *Success* (A84224).

The special light buoy (35° 06'.93 S 150° 42'.61 E) is off station.

Chart temporarily affected - Aus 193.

594(T)/2004 AUSTRALIA - NEW SOUTH WALES - Brisbane Water – Point Clare - Scientific instrument eastwards.

Date - Until 24 June 2005

Waterways Authority Notice HB0408 (A93336).

A scientific instrument exists in position 33° 26'.61 S 151° 19'.90 E.

Mariners are not to use the buoy as a mooring.

Chart temporarily affected - Aus 216.

595(T)/2004 AUSTRALIA - NEW SOUTH WALES - Newcastle - Depth information.

Former Notice - 75(T)/2004 is cancelled

Newcastle Port Corporation (A94901).

Available depths as at 30 June 2004:

<i>Berth</i>	<i>Metres</i>
Western Basin 1	8.3
* Western Basin 3	11.4
Western Basin 4	11.4
Eastern Basin 1	11.6
* Eastern Basin North of Ch 450	11.5
* Eastern Basin South of Ch 450	11.2
Dockyard 2	3.9
* Dockyard 4	8.0
* Dyke 1	12.2
Dyke 2	12.8
* Dyke 4	16.2
* Dyke 5	16.3
Dyke 6	7.0
* BHP Wharf 6 to Ch 1050	6.7
* Kooragang 2	11.5
* Kooragang 3	13.3
Kooragang 4	16.3
Kooragang 5	16.4
Kooragang 6	16.2
Kooragang Ship Receival KSR	7.0
<i>Channels</i>	
* Entrance Approach	16.8
* Entrance Channel (18.0m)	16.4
* Entrance Channel (17.4m)	16.8
Entrance Channel (16.8m)	16.2
* Entrance Channel (16.2m)	15.7
* Entrance Channel to Horseshoe	15.1
* Horseshoe	15.1
* Steelworks Channel to Swinging Basin	15.1
Swinging Basin	15.1
Swinging Basin to BHP	10.5
* Basin Cutting	12.8
* Basin Area to Eastern & Western Basin Berths	12.8
Basin Area to 4 & 5 Lee	9.3
Basin Area to 1 Throsby	10.2
Stockton Crossing	3.6
* Indicates revised entry.	

Chart temporarily affected - Aus 207 - Aus 208.

596(T)/2004 AUSTRALIA - QUEENSLAND - Fisherman Islands - Harbour works.

Date - Until 1 May 2005

Maritime Safety Queensland Notice 303(T)/2004 (A94348).

Wharf construction works are in progress in position 27° 22'.0 S 153° 10'.5 E (WGS 84).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236 - Aus 237.

597(T)/2004 AUSTRALIA - QUEENSLAND - Fisherman Islands - Harbour works.

Date - Until 30 September 2004

Maritime Safety Queensland Notice 300(T)/2004 (A93584).

Harbour works are in progress in position 27° 22'.35 S 153° 10'.21 E and 27° 22'.49 S 153° 10'.11 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 237.

598(T)/2004 AUSTRALIA - QUEENSLAND - Brisbane River - Hamilton Reach - Harbour works; pontoon.

Date - Until 30 September 2004

Maritime Safety Queensland Notice 299(T)/2004 (A93586).

Demolition works are in progress in position 27° 26'.48 S 153° 04'.13 E.

A temporary pontoon exists in position 27° 26'.50 S 153° 04'.40 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 238.

599(T)/2004 AUSTRALIA - QUEENSLAND - Bundaberg - Depth information.

Former Notice - 449(T)/2004 is cancelled

Maritime Safety Queensland Notice 289(T)/2004 (A93259).

Available depth as at 21 June 2004:

	<i>Metres</i>
Sea Reach	9.1
Middle Reach	9.5
Inner Reach	9.5
Swing Basin	7.7
Oil Berth	9.0
* BST Berth	11.0

The deep draft departure channel from the bulk sugar terminal berth to Middle Reach, has a depth of 9.1m.

* Indicates revised entry.

Chart temporarily affected - Aus 242 - Aus 243.

600(T)/2004 AUSTRALIA - QUEENSLAND - Hamilton Island - Dredging.

Maritime Safety Queensland Notice 268(T)/2004 (A96411).

The dredge *David Edge Barge* is operating in position 20° 20'.74 S 148° 56'.89 E from 0730 to 1730.

The dredge is secured in position by anchor points and cables marked by floats. The discharge pipeline runs between the dredge and position 20° 20'.71 S 148° 56'.89 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 254.

601(T)/2004 AUSTRALIA - QUEENSLAND - Whitsunday Island - Fitzalan Passage - Light buoy unlit.

Maritime Safety Queensland Notice 277(T)/2004 (A94895).

Special light buoy (20° 18'.79 S 148° 56'.06 E) is unlit.

Chart temporarily affected - Aus 252 - Aus 253 - Aus 254.

602(T)/2004 AUSTRALIA - QUEENSLAND - Cairns - Depth information.

Former Notice - 298(T)/2004 is cancelled

Maritime Safety Queensland Notice 301(T)/2004 (A93585).

Available depths as at 28 June 2004:

	<i>Metres</i>	<i>Remarks</i>
* Entrance Channel	7.8	
Crystal Swing Basin at:		
360 metre diameter	6.8	
380 metre diameter	6.2	
Swing Basin at:		
310 metre diameter	8.1	
320 metre diameter	7.2	
Marlin Marina	3.3	
<i>Berths:</i>		
No 1	8.4	
No 2	8.5	
No 3	8.4	
No 4	8.4	
No 5	8.2	
No 6	8.1	between 500 metres and 550 metres
No 6	7.7	between 550 metres and 600 metres
No 7	9.9	
No 8	10.0	
No 10	9.3	
No 12	10.5	
Smith Creek 1	4.9	

* Indicates new entry.

Chart temporarily affected - Aus 262 - Aus 263 - Aus 264 - Aus 830 - AU417145 - AU5262_4.

603(T)/2004 AUSTRALIA - QUEENSLAND - Cooktown - Depth information.

Former Notice - 845(T)/2002 is cancelled

Maritime Safety Queensland Notice 293(T)/2004 (A93337).

Available depths as 23 June 2004:

	<i>Metres</i>
* Outer Channel	2.2
Public Wharf	3.0

* Indicates new or revised entry.

Chart temporarily affected - Aus 270 - AU416145 - AU5270P6.

604(T)/2004 AUSTRALIA - TORRES STRAIT - Hovell Bar - Light buoys altered in position.

Former Notice - 491(T)/2004 is cancelled

Maritime Safety Queensland Notice 297(T)/2004 (A93463).

The starboard lateral light buoy (10° 34'.157 S 142° 15'.336 E) is temporarily in position 10° 34'.132 S 142° 15'.378 E.

The south cardinal light buoy (10° 34'.145 S 142° 15'.385 E) is temporarily in position 10° 34'.144 S 142° 15'.316 E.

Chart temporarily affected - Aus 292 - Aus 293 - Aus 299 - AU499142.

605(T)/2004 AUSTRALIA - NORTHERN TERRITORY - Cape Fourcroy - Scientific instrument northwards.

Date - Until 15 August 2004

HMAS *Leeuwin* (A95146).

A scientific instrument, S4 tide gauge, exists in position 11° 42'.15 S 130° 00'.65 E (WGS 84).

Chart temporarily affected - Aus 309 - Aus 722 - AX 70309.

606(T)/2004 WESTERN AUSTRALIA - Cape Talbot to West Bay - Scientific instruments.

Date - Until 13 August 2004

HMAS' *Shepparton* & *Benalla* (A93581).

Scientific instruments, S4 tide gauges, exist in the following positions (WGS 84):

13° 48'.63 S 126° 45'.59 E

13° 49'.65 S 126° 40'.85 E

13° 54'.95 S 126° 48'.42 E

13° 56'.08 S 126° 41'.24 E

14° 04'.94 S 126° 30'.49 E

Chart temporarily affected - Aus 318 - Aus 727.

607(T)/2004 SOUTH AUSTRALIA - Port Bonython - Light buoy off station.

Transport SA Notice 21(T)/2004 (A94894).

No 8 light buoy (13° 01'.39 S 137° 46'.29 E) is off station.

Chart temporarily affected - Aus 136.

608(T)/2004 AUSTRALIA - TASMANIA - Port Dalrymple - Tom Reef - Light beacon destroyed; light buoy.

Port of Launceston (A95534).

The light beacon (41° 06'.35 S 146° 48'.45 E) has been destroyed and is awash at low water.

A temporary light buoy, *Fl. R.* 3s, exists in position 41° 06'.30 S 146° 48'.38 E.

Chart temporarily affected - Aus 167.

609(T)/2004 AUSTRALIA - VICTORIA - Port Phillip - Patterson River - Shoaling.

Victorian Notice 65(T)/2004 (A93458).

Shoaling, least depth *0.5 metres*, exists in position 38° 04'.40 S 145° 07'.10 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 143.

610(T)/2004 AUSTRALIA - VICTORIA - Western Port - Eastern Entrance - Beacon destroyed; buoy.

Victorian Notice 63(T)/2004 (A93457).

No 4 beacon (38° 31'.22 S 145° 21'.72 E) has been destroyed; a port lateral buoy exists in situ.

Chart temporarily affected - Aus 150.

II

AMENDMENTS TO ADMIRALTY LIST OF LIGHT AND FOG SIGNALS VOLUME K 2004/05

Edition No 15 dated 23 July 2004.

Last Amendment: Edition No 14 dated 9 July 2004

0938-4	- Parit. Ldg Lts 156°. Front (Musi River)	2 26-4 104 56-1	Fl W 3s	11	8	White \triangle on white beacon 10	<i>fl 1. TE 2004</i>	
								*
0985	-- W side. Gosong Melvill	3 02-4 106 15-1	Fl(3) G 9s	15	7	\triangle on green beacon 12	<i>(fl 0-5, ec 1-5) x 2, fl 0-5, ec 4-5. Ra refl. TE 2004</i>	
								*
1072-85	- Marina Ancol	6 07-0 106 49-6	Fl R 4s	8	6	Red \square on red beacon	<i>fl 1</i>	
*	*	*	*	*	*	*		*
1072-86	--	6 07-0 106 49-6	Fl G 5s	8	6	Green \triangle on green beacon	<i>fl 1</i>	
*	*	*	*	*	*	*		*
1149	- Kr Julpuk	5 51-6 112 38-7	Fl G 8s	13	10	...	TE 2004	
	*	*	*	*				
1149-5	- Sangkapura (Kr Julpuk Tengah-Bawean)	5 51-6 112 38-5	Fl R 4s	10	10			
*	*	*	*	*	*	*		*
1739-84	--	28 41-3 113 50-1	Fl G 3s	...	...	\triangle on green beacon		
*	*	*	*	*	*	*		*
1739-85	--	28 42-1 113 47-2	Fl R 3s	...	5	\square on red beacon		
*	*	*	*	*	*	*		*
1739-9	- Easter Group. Leo Island	28 41-3 113 51-5	Fl W 5s	...	10			
*	*	*	*	*	*	*		*
1742	- Bluff Point. Ldg Lts 071-4° Sea Beacon. Front	28 44-8 114 36-5	Iso W 3s	11	8	White \square , black stripe, on metal framework tower	Rear K1742-1 Dir FWRG	
	*							*
1742-1	-- Common Rear. Ldg Lts 127-9°	28 44-6 114 37-1	F Bu	17	8	White \square , black stripe, on metal framework tower	Front K1742-3 Iso Bu 3s. Vis 056-3°-086-3°(30°)	
	--- Ldg Lts 071-4°	...	Dir F WRG	...	...	Same structure	Front K1742 IsoW3s	
	*					*		*
1742-294	-- No 16	28 45-6 114 36-0	LFl R 6s	...	...	\square on red beacon	<i>fl 2</i>	
	--- Dir Lt	...	Dir F Bu	...	...	Same structure	Aligned with K1742-3 F Bu Dir Lt	
	*		*					
1742-3	-- Ldg Lts 127-9°. Sea beacon. Front	28 43-8 114 36-0	Iso Bu 3s				Rear K1742-1 F Bu	
	----- Dir Lt	...	Dir F Bu	...	...	Same structure	Aligned with K1742-294 F Bu Dir Lt	
	*		*			*		*
1755-76	- Ldg Lts 130°54'. Front	30 03-9 114 57-8	F R					
		*						

Volume K *continued*

1755-761	-- Rear	30 03-9 114 57-8	F R					
		*						
2153	--	38 23-3 142 14-5	Q G	...	...	Green beacon		
*	*	*	*	*	*	*		*
2574-3	-- Ldg Lts 176°31'. Front	36 25-5 150 04-4	F Bu	4	4	Orange \triangle , white stripe, on white structure		
	---- Dir Lt	...	Dir Oc Y 3s	...	...	Same structure	<i>ec 1</i>	
	*		*			*		*
2574-31	--- Rear. 101m from front	36 25-6 150 04-4	F Bu	9	4	Orange ∇ , white stripe, on white structure		
	---- Dir Lt	...	Dir Oc Y 3s	...	...	Same structure	<i>ec 1</i>	
	*		*			*		*
2578-3	- Ldg Lts 268-9°. Front	35 54-4 150 08-6	F Bu	...	...	Orange \triangle		
	---	...	Fl Y 2s	...	...	...	<i>fl 0-5</i>	
	*		*			*		*
2578-31	-- Rear. 585m from front	35 54-3 150 08-6	F Bu	...	...	Orange ∇		
	---	...	Iso Y 2s	...	...	Same structure		
*	*	*	*	*	*	*		*
2595	- Bar Ldg Lts 206-8°. Front	34 54-0 150 46-0	F Bu	...	...	Orange \triangle		Moved to meet changes in the channel
	---	...	Q Y					
	*		*					
2595-1	-- Rear. 35m from front	34 54-0 150 46-0	F Bu	...	...	Orange \triangle		
	---	...	Iso Y 2s					
	*		*					
2596	- Crossing Ldg Lts 089-9°. Front	34 54-2 150 46-0	Q G	...	...	Orange \square		Occas
	*							
2596-1	-- Rear. 60m from front	34 54-2 150 46-0	Fl R 2s	...	...	Orange \square		Occas
	*							
3109-26	--- No 6	19 15-8 146 50-5	Fl(2) W 6s					
			*			*		
3206-5	Willis Islets. S Islet	16 17-3 149 57-9	Fl W 2s	18	...	Radio mast on building		TE until 2006. F G Ldg Lts WSW
								*
3223-5	- W	13 54-1 144 14-5	Q(3) W 10s	...	6	\diamond on black buoy, yellow band		Racon
*	*	*	*	*	*	*		*
3233-3	- <i>Federick Patches</i> (COM)	12 52-1 143 38-2	Fl G 2-5s	...	...	Green \triangle on green pillar buoy		
		*						
3233-43	-	13 19-0 143 52-3	Q(9) W 15s	...	6	\boxtimes on yellow buoy, black band		
*	*	*	*	*	*	*		*

II

Volume K *continued*

3233-45	-	13 17-1 143 51-2	Fl R 3s	...	6	□ on red buoy	
*	*	*	*	*	*	*	*
3233-47	-	13 17-5 143 50-6	Fl G 3s	...	6	△ on green buoy	
*	*	*	*	*	*	*	*
3233-485	-	13 11-6 143 49-0	VQ(9) W 15s	...	6	∇ on yellow buoy, black band	
*	*	*	*	*	*	*	*
3282	- Caldbeck Reef	10 06-3 143 10-0	Fl(4) W 16s	7	10	□ on white pile 6	(fl 0-5, ec 1-5) x 3, fl 0-5, ec 9-5. Ra refl. TE 2004
							*
3571-4	Shear Rock	41 04-0 146 47-1	Fl(3) W 5s	4	2	◇ on black metal framework tower, on black tripod, yellow band	Ra refl. Fl(3) W 9s (T) 2004
							*
3984-1	- Inner Harbour. Western Entrance	39 28-7 176 53-7	Fl(5) G 20s	4	4	Green wooden pile 2	
						*	*
4799-97	Récif Nakaé. S	22 22-2 166 35-2	Q(6)+LFl W 15s	7	4	∇ on black beacon, yellow top	(P) 2004
*	*	*	*	*	*	*	*
4802-5	-	22 27-9 166 30-1	Fl(2) R 6s	7	4	Red □ on red beacon	(P) 2004
*	*	*	*	*	*	*	*
4807	Récif Abore	22 28-0 166 21-0	Fl(2) G 6s	7	4	Green △ on green beacon	(P) 2004
*	*	*	*	*	*	*	*
4808	<i>Renumber to read 4804</i>						
4834	- Île du Lifou. Cap des Pins	21 03-4 167 27-5	Fl(2+1) W 15s	90	15	White pylon, black top 30	fl 0-1, ec 2-5, (fl 0-1, ec 6-1) x 2. Range 12m (T) 2004
							*

III

NAVIGATION WARNINGS

The following radio messages have been received during the period to 9 July 2004. 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

- 174 Cancelled.
- 175 Cancelled.
- 176 Cancelled.
- 177 Cancelled.
- 178 Cancelled.
- 179 Cancelled.
- 180 Cancelled.
- 181 Cancelled.
- 182 Cancelled.
- 183 Cancelled.
- 184 Cancelled.
- 185 Cancelled.
- 186 Cancelled.
- 187 Cancelled.
- 188 Cancelled.
- 189 NW Coast. Seismic survey vessel *Veritas Viking II* towing 8 x 3.3M cable in area 19° 30' S to 20° 20' S and 114° 00' E to 115° 00' E.
- 190 SW Coast. Cape Naturaliste wave rider buoy, *FI(5) Y. 20s*, re-established in position 33° 32'.0 S 114° 45'.6 E.
- 191 SE Coast. Drill rig *Ensco 102* in position 39° 50'.7 S 145° 49'.1 E. 2.5 M clearance requested.
- 192 NW Coast. Drill rig *Ocean Epoch* in position 19° 15'.5 S 116° 38'.3 E. 2.5 M clearance requested.
- 193 E Coast. Unmanned barge anchored in position 33° 03'.14 S 151° 41'.2 E.
- 194 NE Coast. Sunk Reef light, *Iso. 3s 10M*, established in position 12° 51'.2 S 143° 38'.5 E.
- 195 NE Coast. Wideawake Shoals port lateral light buoy, *FI. R. 3s*, established in position 13° 17'.05 S 143° 51'.16 E.
- 196 NE Coast. First Three Mile light, *FI. 5s*, established in position 13° 26'.2 S 143° 58'.2 E.
- 197 SE Coast. *MV Giulio Verne* conducting cable laying operations in area bounded by 38° 41' S to 41° 03' S and 146° 50' E to 147° 07' E.
- 198 NE Coast. Robin Reef light, *FI(2) 8s 21m 14/11M*, established in position 12° 52'.7 S 143° 41'.8 E.
- 199 NE Coast. Frederick Patches light, *FI. G. 2.5s 12m 8M*, established in position 12° 52'.3 S 143° 38'.2 E.
- 200 NW Coast. Drill rig *Sedco 703* in position 20° 55'.1 S 114° 53'.5 E. 2.5M clearance requested.
- 201 NE Coast. Frederick Patches buoy (12° 52'.15 S 143° 38'.22 E) permanently withdrawn.
- 202 NW Coast. Drill rig *Atwood Eagle* in position 21° 28'.8 S 113° 54'.7 E. 2.5M clearance requested.
- 203 NE Coast. Wideawake Shoals NW starboard lateral light buoy, *FI. G. 3s*, established in position 13° 17'.5 S 143° 50'.7 E.
- 204 Cancelled.
- 205 Cancelled.
- 206 Cancelled.
- 207 Cancelled.
- 208 NE Coast. Colclough Reef light, *FI(4) 16s 12m 6M*, established in position 13° 05'.3 S 143° 45'.0 E.
- 209 NE Coast. Westderry Shoal buoy (13° 02'.1 S 143° 45'.6 E) permanently withdrawn.
- 210 Cancelled.
- 211 NE Coast. Tennine Shoal buoy (13° 17'.1 S 143° 51'.0 E) permanently withdrawn.
- 212 NE Coast. Wideawake Shoals SE west cardinal light buoy, *Q(9) 15s*, established in position 13° 19'.0 S 143° 52'.2 E.
- 213 Cancelled.
- 214 NE Coast. Fourteen Five Shoal west cardinal light buoy, *Q(9) 15s*, established in position 13° 11'.6 S 143° 49'.0 E.
- 215 NE Coast. Diamond Reign Reef light, *FI(2) 8s 21m 14/11M Racon (K)*, established in position 13° 11'.5 S 143° 47'.6 E.
- 216 Cancelled.
- 217 NE Coast. Thirteen Five Shoal isolated danger light buoy, *FI(2) 6s*, established in position 13° 46'.3 S 144° 09'.6 E.
- 218 NW Coast. Drill rig *Ensco 56* in position 20° 02'.8 S 116° 29'.0 E. 2.5M clearance requested.
- 219 Cancelled.
- 220 NE Coast. Thirteen South Rock buoy (12° 59'.7 S 143° 43'.5 E) permanently withdrawn.
- 221 NE Coast. Thirteen South Rock light, *FI. 7.5s 12m 10/8M*, established in position 12° 59'.7 S 143° 43'.5 E.
- 222 NE Coast. Fairway West east cardinal light buoy, *Q(3) 10s*, established in position 13° 54'.5 S 144° 14'.5 E.
- 223 Cancelled.
- 224 NE Coast. A temporary mooring of six anchors and chains radiates from an unlit buoy 175 metres NNW of Nardana Patches port lateral light buoy (10° 30'.4 S 142° 14'.6 E). Mariners are advised to navigate with caution and not pass N of the light buoy.

III

NAVAREA X WARNINGS

Nil issued.

Navigational warnings in force as at 080001UTC JUL 04.

Auscoast

189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 208 209 211 212 214 215 217 218 220 221 222 224.

Navarea X

007.

Summary of mobile drilling rigs as at 080001UTC JUL 04.

Name	Position
Ensco 104	11° 04'.2 S 126° 36'.8 E
Ocean Epoch	19° 15'.5 S 116° 38'.3 E
Ensco 56	19° 47'.4 S 116° 44'.9 E
Sedco 703	20° 55'.1 S 114° 53'.5 E
Atwood Eagle	21° 28'.8 S 113° 54'.7 E
Ensco 102	39° 50'.7 S 145° 49'.1 E

NAVAREA XIV WARNINGS

039 Cancelled.

040 Cancelled.

041 South Pacific. Fiji. Wailagilala light K4752 (16° 45' S 179° 06' W) unlit and Racon (W) ALRS 88520 inoperable.

Following lights also unit:

Cape Washington.	K4662	(19° 07' S 177° 58' E)
North Astrolabe Reef. Solo.	K4666	(18° 38' S 178° 32' E)
Batiki Island Irene Point	K4732	(17° 46' S 179° 09' E)
N. Ovalau	K4719	(17° 44' S 178° 51' E)
Wakaya Reef	K4730	(17° 41' S 179° 05' E)
Cakau Momo. W side.	K4733	(17° 39' S 179° 16' E)
Koro Muanivanua Point	K4740	(17° 24' S 179° 23' E)
Vatu-I-Ra Channel.West	K4717	(17° 17' S 179° 29' E)
Vatu-I-Ra Channel.	K4716	(17° 16' S 179° 33' E)
Naqelelevu.	K4733	(16° 05' S 179° 09' W)

042 Cancelled.

Navarea XIV warnings in force as at 080001UTC JUL 04.

041.

IV

HYDROGRAPHIC REPORTS

Locality	Report	Ship/Authority	Observer
NSW- Montague Island	FAD	CSR Shipping	V Tapealava
VANUATU- Port Vila	Light buoy	HMAS <i>Yarra</i>	
TAS- Soldiers Point	Shoal	RV <i>Penghana</i>	T Nossiter

AMENDMENTS TO ADMIRALTY LIST OF RADIO SIGNALS 2004

Edition No 15 dated 23 July 2004

VOLUME 1, PART 2, NP 281(2), 2003/04

Published BA Wk 29/03

(Last Amendments: Edition No 7 dated 2 April 2004)

A New Edition of this volume is in the press and will be published shortly

VOLUME 2, NP 282, 2004/05

Published BA Wk 10/04

(Last Amendments: Edition No 14 dated 9 July 2004)

RADAR BEACONS

Page 53, **PORTUGAL** section, insert:

Canal do Barreiro, Lt Buoy 2B Racon 38°40'·91N 9°08'·11W **67970**
B

Portugese Notice 11/210//04 Ad27/04

Page 75, **THAILAND (East Coast)** section, insert:

Bongkot Gasfield, Platform WP9 Racon 7°51'·60N 102°28'·33E **80445**
 (3 & 10 cm) 360° 15 n miles **K**

Bangkok Terminal Regulations & Capt Chula Manonda, Bangkok Terminal Ad27/04

80450 Bongkot Gas Field, Platform WP11

Delete entry and replace by:

Bongkot Gasfield, Platform WP11 Racon 8°01'·51N 102°28'·75E **80450**
 (3 & 10 cm) 360° 15 n miles **S**

Bangkok Terminal Regulations & Capt Chula Manonda, Bangkok Terminal Ad27/04

Page 78, **CHINA** section, insert:

Taidian Approach Lt Bn Racon 21°50'·50N 112°54'·30E **81225**
M

Chinese Notice 15/348//04 Ad26/04

Page 101, **AUSTRALIA** section, insert:

Yolla A Platform Racon 39°50'·77S 145°49'·02E **87765**
U

Australian Notice 10/406/04 Ad26/04

Page 119, **UNITED STATES (Gulf Coast)** section,

95900 Coastal-WC-504-B Platform

Delete position 28°27'·00N 94°13'·20W and replace by: 28°27'·00N 93°13'·20W

US Notice 23/11330/04 Ad27/04

Page 122, **UNITED STATES (Atlantic Coast)** section

97130 Constable Hook Reach, Lt Buoy KV

Delete position 40°38'·92N 74°03'·80W and replace by: 40°39'·02N 74°03'·86W

US Notice 24/1233/04 Ad26/04

DIFFERENTIAL GPS (DGPS)

BEACONS TRANSMITTING DGPS CORRECTIONS

Page 172, **INDIA** section, Antavedi Lt, in **DGPS Corrections**, tx fx (in kHz) column, insert: 320

HYDROPAC 965/04 Ad26/04

UNIVERSAL TIME

Page 214, **TABLE 2**, add:

0 hours	29 Apr 2004	-0.5 seconds	26/03
---------	-------------	--------------	-------

International Earth Rotation Service (IERS) Bulletin D90 Ad26/04

VOLUME 3, PART 2, NP 283(2), 2004/05

Published BA Wk 14/04

(Last Amendments: Edition No 14 dated 9 July 2004)

RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS

Page 90, **AUSTRALIA, MELBOURNE**, **Navigational Warnings** section, row 1, column 1, broadcast times, delete 0857 and replace by 0757

Marine Safety Victoria & Day Watson Ad27/04

CORRECT TO BA W26/04

This list is a summary of the entries in the current editions of the Admiralty List of Radio Signals which have had amendments issued in Section VI of the Weekly Edition of Notices to Mariners.

The entries affected are shown in bold type followed by the numbers of the Weekly Editions in which amendments for that station were issued.

These summaries are issued on a quarterly basis.

VOLUME 1, PART 2, NP 281(2), 2003/04

Published BA Wk 29/03

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VOLUME 2, NP 282, 2004/05

Published BA Wk 10/04

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54010 10; 55830 10; 55840 10; 57540 17; 57580 23; 58620 11; 59580 11; 60200 11;
68510 10; 70720 21; 70740 10; 71410 10; 71420 10; 71480 10; 73005 10; 74425 14,21;
74430 21; 77480 17; 77640 10; 79040 15; 80615 20; 80680 12; 80685 12; 80690 12;
80865 10; 81085 10; 81225 26; 81310 10; 81435 13; 81515 10; 81525 10; 81626 15;
81627 22; 81662 13; 81672 13; 81775 10; 81785 13; 81942 25; 81955 10; 81985 22;
82490 19; 82812 21; 82891 21,23,25; 82892 19; 82896 21,23,25; 82935 10; 82945 10;
82955 10; 85530 23,25; 87765 26; 91600 20; 92220 14; 92720 21; 96700, 15; 96790 10;
97130 26; 97780 25

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TURKEY (Aegean Coast) 20
TURKEY (Black Sea Coast) 20

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19,24

UNIVERSAL TIME

26

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20

NAVTEX

20

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14

VOLUME 5, NP 285, 2004/05

Published BA Wk 24/04

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Chapter 10: MF DSC, LIST OF COAST STATIONS FOR SEA AREA A2 24
Chapter 12: INMARSAT, MARITIME RESCUE CO-ORDINATION CENTRES ASSOCIATED WITH INMARSAT LAND EARTH STATIONS (LESs) 24
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AMENDMENTS TO ADMIRALTY SAILING DIRECTIONS 2004 (in the area of Australian Charting Responsibility)

NP 17 Australia Pilot Volume V (1992 Edition) — Supplement 3-2001

Cambridge Gulf - Wyndham — Directions

130-131

Pages 130 L 1-R 59 and 131 L 1-R 70 Including existing Supplement amendments and Section IV Notices Weeks 37/03 and 40/03 *Replace by:*

Directions

(continued from 4.182)

Cambridge Gulf approaches

4.252

From a position about 19 miles N of Lacrosse Island the line of bearing 170° of Lacrosse Island summit leads in the fairway passing (with positions given from West Bluff (14°44'S, 128°18'E)):

Between Outer King Shoal (6 miles NNW), a narrow sandy ridge on the W side of the fairway, and Medusa Bank (12½ miles N) on the E side of the fairway.

When 4 miles N of West Bluff the track leads SSW passing:

ESE of Entrance Shoal (¾ miles WNW);
thence:

WNW of West Bluff, the NW extremity of Lacrosse Island. Bream Ledge, a rocky reef steep-to on its W side, extends 4 cables NNW from the bluff.

When W of Lacrosse Island Light (4.250) distant 1½ miles, the track leads SE passing:

NE of Lory Rock (4 miles WSW) on a spit extending 5 cables E from Cape Dussejour. The neck of land immediately within the cape is low so that the cape appears as an island from the N. Thence:

NE of a 7.8 m patch (¾ miles S); and:
SW of the coastal bank, the 10 m depth contour of which extends up to 2¼ miles SSW from White Stone Point (2¾ miles ESE). Tucker Bank (¾ miles SE), drying 1.9 m, is the shoalest part of this coastal bank. Thence:

To a position 3 miles W of Cape Domett (4.219) from where a SW track can be followed.

Chart Aus 32

North part of Cambridge Gulf

4.253

From the position above, W of Cape Domett, the line of bearing 225° of Black Cliff Point (15°02'S, 128°06'E), a rocky bluff surmounted by a grassy slope 19 m high, leads in the fairway across the false mouths of Ord River passing (with positions given from Black Cliff Point):

SE of Cowan Patches (14°50'S, 128°16'E);
thence:

Between Guthrie Banks (10 miles NNE), the outer of which dries 2.5 m, and East Banks (11 miles NE); thence:

Between South Patch (6 miles NNE) and the drying bank fronting Hardman Point (8 miles ENE) (4.219); thence:

NW of Australind Bank (4 miles ENE) (4.237);
thence:

SE of Ina Island (2 miles NNE) with a red sandstone bluff at its E extremity, noting a 9.6 m shoal 3 cables E of the island.

The alignment (202¾°) of Agnew Point (1½ miles S), a bluff headland, 12 m high, formed by a spur from the hills within, with Flat Top Hill (6½ miles SSW) then leads in the fairway passing:

Between Black Cliff Point and Nicholls Point (¼ miles E), a bluff, the N-most point of Adolphus Island from where Nicholls Point Light (15°02'·5S, 128°07'·5E) is exhibited.

North part of Cambridge Gulf - alternative route

4.254

From a position about 1 mile SSW of West Bluff (14°44'S, 128°18'E) an alternative route leads SSW passing W of Cowan Patches (with positions given from Vancouver Point (14°50'S, 128°12'E)):

ESE of Lory Rock (¾ miles NNE) (4.252);
thence:

ESE of a 9.4 m patch (¾ miles NE); thence:
Between the narrow spit which extends NNE from the outer bank of Guthrie Banks (4.253) and a 4.5 m patch (3 miles ESE), the SW extension of Cowan Patches.

When Vancouver Point bears 000°, distant 6.7 miles, the route joins the previous track (as above).

Centre part of Cambridge Gulf

4.255

East of Black Cliff Point the line of bearing 186° of Saville Island (15°09'S, 128°06'E), from where a light is exhibited, then leads in the fairway passing (with positions given from Saville Island):

E of Agnew Point (5 miles N). Vans Rock, which dries, lies close offshore 2 cables SSW of the point. Thence:

The track then continues in mid-channel in a general S direction passing:

Between a 2.7 m shoal (¾ miles N) and Webster Bluff (¾ miles NNE); thence:

Clear of a 5.8 m patch (3 miles N); thence:
W of Steep Head (¾ miles NNE) (4.238); thence:
E of Saville Island. A spit, with a rock which dries 2.6 m in the middle, extends ¾ cables N from the island. Thence:

W of Kent Island (1 mile SE), from where a light is exhibited, steep-to on its W side;
thence:

The track then leads SE for about 1 mile passing:

Between the NE side of Fairfax Island (1 mile S) upon which stands Fairfax Island Light (15°10'·3S, 128°06'·8E) and Channel Rock (¼ miles SE); thence:

The track then leads SSW passing:

Between the E side of Fairfax Island (1 mile S), hilly and wooded, and Landslip Point

AMENDMENTS TO ADMIRALTY SAILING DIRECTIONS 2004

(2½ miles SSE) a prominent landslip of dark red earth at the end of a precipitous spur from View Hill, 5 cables farther SSE.

Hay Point Leading Lights:

Front Light (15°14'·7S, 128°06'·4E)

Rear Light (15°14'·8S, 128°06'·4E)

From a position W of Red Head the alignment (179¼°) of these lights leads between Eddy Point (4¾ miles S), the NE extremity of Russell Island, and Patch Point (4¾ miles S), a low cliff with a prominent patch of white limestone near the water's edge. Helby Island, low with cliffs on its W side, lies 3 cables farther S.

From a position about 3 cables SW of Patch Point, the alignment (045¼°) astern of Patch Point Leading Lights (15°13'·6S, 128°06'·7E) leads through that section of the channel SE of Russell Island passing:

SE of One Ball Island, (15°14'·5S, 128°05'·5E), from where a light is exhibited.

From a position S of Russell Island, the track leads generally S, passing:

W of Hay Point (6¼ miles S) low and wooded; thence:

W of Otway Island (7¼ miles S) low and covered with scrub; thence:

E of Pender Point (15°17'·0S, 128°05'·6E), from where a light is exhibited; a shoal bank extends about 1 cable SE from the point.

Caution. When rounding Fairfax Island during the out-going tidal stream care should be taken to avoid being set towards its E shore.

The tidal streams sweep round Eddy Point at a rate of up to 6 kn forming strong eddies. Great attention to the helm is necessary when passing it.

Chart Aus 32 with plan approaches to Wyndham Wharf
Head of Cambridge Gulf

4.256

From a position E of Pender Point the track leads generally S in Main Channel between Roe Bank and the E side of Middle Ground, each marked by light-buoys (lateral), and between an unnamed bank (15°21'S, 128°06'E), marked by Parry and Mangrove Light-buoys (E cardinal), and the drying bank which lies up to 3 cables off the E shoreline.

The track continues passing between No 11 Light-buoy and No 12 Light-beacon (starboard and port hand) and E of No 13 Light-buoy (starboard hand) to the berth as convenient.

Caution. A bar with a least depth of 5·1 m lies across Main Channel E of Laffan Point (15°18'·8S, 128°03'·9E).

A shoal, the position of which can be seen on the chart, lies with its N part in mid-channel abreast Wyndham Wharf. It is marked by a starboard lateral spar light-buoy (7 cables SW of Sandy Point).

An unmarked wreck (IK22), the position of which can be seen on the chart, lies close NW of the N end of the wharf face.

Shoaling has taken place close off the N end of the wharf.

Spare

4.257-4.260

Side channels

The Gorge

4.261

General information. The Gorge, a deep channel between Fairfax Island (15°11'S, 128°06'E) and the mainland W, is entered between Dundas Point and Lyne Point.

Caution. A shoal depth of 4·1 m was reported (1990) to lie in the centre of the S entrance, about 4 cables S of the S end of Fairfax Island.

Hare Channel

4.262

General information. Hare Channel (15°18'S, 128°05'E) marked by beacons (lateral), leads from Pender Point to Laffan Point with a set of leading beacons on the latter point. A further set of beacons, shown on the chart, lead SSE towards Wyndham Wharf. Hare Channel is no longer used by commercial shipping.

Stevens Channel

4.263

Stevens Channel (15°18'S, 128°07'E), which leads between the E side of the foul ground extending S from Otway Island and the coastal bank off the E shore of the gulf, is too intricate for navigation unless previously marked.

Berths

Spare

4.264

Harbour Master, Wyndham, Australian Chart 32

[Ad 27/04]

NP 136 Ocean Passages for the World (2004 Edition)

Singapore ⇒ Hong Kong – Routes — Low-powered vessels; distance

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Paragraph 7.88.2 line 4 *For 1460 Read 1925*

United Kingdom Hydrographic Office

[Ad 26/04]

AMENDMENTS TO ADMIRALTY SAILING DIRECTIONS 2004
(in the area of Australian Charting Responsibility)

In force 26 June 2004

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