



Australian Notices to Mariners are the authority for correcting Australian Charts

AUSTRALIAN NOTICES TO MARINERS

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Notices 227 - 260

List of Temporary and Preliminary Notices in force Cumulative List April 2003

Published fortnightly by the Australian Hydrographic Service

B. J. KAHER,
Hydrographer of Australia

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

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.*

Blocks and notes are included after Section VI.

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 rccaus@amsa.gov.au).

Copies of these notices can be obtained from the AUSTRALIAN HYDROGRAPHIC OFFICE, 8 Station Street, Wollongong, and Agents for the sale of charts and hydrographic publications.

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Edition No 7

4 April 2003

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227 AUSTRALIA - Products.

AHS (A24277), British Admiralty Ed 11/2003 (A24410).

New Edition

<i>Chart</i>	<i>Published</i>	<i>Title and description of amendments</i>	<i>Scale</i>	<i>Folio</i>	<i>Index Chart</i>	<i>Price</i>
Aus 289	7/3/2003	Australia - North Coast - Torres Strait - Gannet and Varzin Passages <i>General updating throughout including new surveys. Horizontal datum is referred to WGS 84.</i>	1:25 000	8	Aus 65000	\$25.65
Aus 729	7/2/2003	Australia - North West Coast - Western Australia - Cape Voltaire to Lamarck Island <i>General updating throughout including maritime boundaries. Horizontal datum is referred to WGS 84.</i>	1:150 000	3	Aus 65000	\$25.65
Aus 730	7/2/2003	Australia - North West Coast - Western Australia - Lamarck Island to Degerando Island <i>General updating throughout including maritime boundaries. Horizontal datum is referred to WGS 84.</i>	1:150 000	3	Aus 65000	\$25.65
Aus 798	21/2/2003	Australia - Tasmania - Eddystone Point to Stony Head <i>General updating throughout including maritime boundaries.</i>	1:150 000	6	Aus 65001	\$25.65

Miscellaneous Chart

<i>Chart</i>	<i>Published</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
AZ 76103A	21/2/2003	Eastern Australia Exercise Area Scenario Chart	1:650 000	Fleet use only

New Chart to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>
Aus 242	Australia - East Coast - Queensland - Port of Bundaberg including Burnett River Plan: Port Bundaberg Burnett River (Northern Section) Burnett River (Southern Section)	 1:7 500 1:10 000 1:10 000
Aus 602 INT 9032	Australian Antarctic Territory - Approaches to Davis Anchorage	1:12 500

New Edition to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>
Aus 725	Australia - North Coast - Northern Territory - Port Keats to Victoria River	1:150 000
Aus 728	Australia - North West Coast - Western Australia - Eclipse Islands to Cape Voltaire	1:150 000

Chart permanently withdrawn

<i>Chart</i>	<i>On publication of new edition</i>
Aus 289	Aus 289
Aus 729	Aus 729
Aus 730	Aus 730
Aus 798	Aus 798
AZ 70103A	AZ 76103A

Admiralty Publication

<i>NP No</i>	<i>Title</i>	<i>RRP(UK)</i>	<i>Date</i>	<i>Remarks</i>
NP 15	Australian Pilot Volume III (Ninth Edition 2002)	£39.50	17/10/2002	Australian Pilot Volume III (Eighth Edition 1999) is thereby cancelled.
NP 62s	Supplement No 9 to Pacific Islands Pilot Vol III (Tenth Edition 1982)	£5.90	10/10/2002	Supplement No 8, 1999 is thereby cancelled.
NP 282	Admiralty List of Radio Signals. Radio Aids to Navigation, Satellite Navigation Systems, Legal Time, Radio Time Signals and Electronic Position Fixing Systems.	£30.00	13/3/2003	NP 282 and NP 288 have been combined into one volume. This volume replaces the 2002/2003 editions of NP 282 and NP 288 which are thereby cancelled.

228* AUSTRALIA - QUEENSLAND - Brisbane River - Hamilton Reach - Lights permanently discontinued.

List of Lights Vol K/2003 -- 2874.60, 2874.61

Maritime Safety Queensland Notice 73/2003 (A18109).

Aus 238 [156/2003]

Delete	light	(a) 27° 26'.37 S	153° 03'.43 E
		27° 26'.35 S	153° 03'.46 E
	pecked and firm lines, with legend 070° 55', emanating from (a)		

Aus 238 (plan, Bulimba Reach)

Delete	light	(a) 27° 26'.37 S	153° 03'.43 E
		27° 26'.35 S	153° 03'.46 E
	pecked and firm lines, with legend 070° 55', emanating from (a)		

229* AUSTRALIA - QUEENSLAND - Yule Entrance to East Cay - Depths.

LADS HI 258-7 MMI 3-1-21414 (A24273), AHS MMI 3-1-21414 (A24446).

Aus376 [125/2003]

Insert	depth, 7 ₇ m, enclosed by contour	10° 18'.78 S	143° 44'.18 E
	depth, 1 ₈ m, enclosed by contour	(a) 10° 11'.39 S	143° 52'.13 E
	depth, 3 ₆ m	(b) 10° 12'.02 S	143° 52'.47 E
	contour semi-enclosing (a) and (b) to W between	10° 10'.8 S	143° 52'.8 E
		10° 11'.3 S	143° 51'.8 E
		10° 12'.2 S	143° 52'.3 E
		10° 12'.1 S	143° 52'.8 E
	rock which covers and uncovers, enclosed by danger circle	10° 11'.18 S	143° 49'.95 E

Aus 377 [42/2003]

Insert	depth, 7 ₇ m, enclosed by contour	10° 18'.78 S	143° 44'.18 E
	depth, 6 ₇ m, enclosed by contour	10° 15'.87 S	143° 48'.49 E
	depth, 2 ₈ m, enclosed by contour	10° 17'.69 S	143° 49'.02 E
	depth, 1 ₈ m, enclosed by contour	(a) 10° 11'.39 S	143° 52'.13 E
	depth, 3 ₆ m	(b) 10° 12'.02 S	143° 52'.47 E
	contour enclosing (a) and (b) between	10° 10'.8 S	143° 53'.0 E
		10° 11'.3 S	143° 51'.8 E
		10° 12'.2 S	143° 52'.3 E
		10° 10'.7 S	143° 53'.2 E
	depth, 5 ₇ m, enclosed by contour	10° 18'.33 S	143° 53'.72 E
	depth, 5m, enclosed by contour	10° 10'.17 S	143° 55'.08 E
	depth, 5 ₅ m, enclosed by contour	10° 14'.66 S	143° 55'.38 E
	depth, 2 ₇ m, enclosed by contour	10° 03'.89 S	143° 56'.43 E
	depth, 4 ₃ m, enclosed by contour	10° 09'.97 S	143° 56'.80 E
	depth, 3 ₆ m, enclosed by contour	10° 08'.90 S	143° 58'.79 E
	depth, 7 ₁ m, enclosed by contour	10° 03'.71 S	143° 59'.72 E
	depth, 1 ₇ m, enclosed by contour	10° 03'.21 S	144° 02'.69 E
	depth, 2 ₉ m, enclosed by contour	10° 00'.18 S	144° 04'.96 E
	depth, 8m, enclosed by contour	9° 51'.59 S	144° 07'.54 E
	depth, 1 ₁ m, enclosed by contour	9° 57'.85 S	144° 07'.94 E
	depth, 4m, enclosed by contour	9° 54'.75 S	144° 08'.50 E
	depth, 6 ₅ m	(c) 9° 45'.96 S	144° 11'.14 E
	depth, 7 ₇ m	(d) 9° 45'.34 S	144° 11'.63 E
	contour semi enclosing (c) and (d) to SE between	9° 45'.6 S	144° 10'.6 E
		9° 46'.1 S	144° 11'.0 E
		9° 45'.3 S	144° 11'.8 E
		9° 44'.3 S	144° 11'.1 E
	danger line between	9° 45'.6 S	144° 10'.6 E
		9° 45'.2 S	144° 10'.9 E
		9° 44'.0 S	144° 11'.0 E
	depth, 6 ₇ m, enclosed by contour	9° 48'.69 S	144° 12'.53 E
	depth, 2 ₂ m, enclosed by contour	9° 56'.08 S	144° 03'.72 E

	rock which covers and uncovers, enclosed by danger circle	10° 11'.18 S	143° 49'.95 E
		10° 11'.05 S	143° 56'.67 E
	danger line between	9° 42'.4 S	144° 14'.6 E
		9° 41'.9 S	144° 14'.8 E
		9° 41'.8 S	144° 15'.1 E
		9° 42'.1 S	144° 15'.3 E
Substitute	depth, 6 ₅ m, for 8m	10° 12'.9 S	143° 51'.7 E
	depth, 6 ₄ m, for 11 ₇ m	10° 02'.8 S	144° 01'.2 E
	depth, 10 ₅ m, for 16 ₈ m	9° 52'.8 S	144° 07'.1 E
	depth, 9 ₉ m, for 13 ₈ m	9° 52'.1 S	144° 08'.6 E
	depth, 5m, semi-enclosed by contour to N, for dangerous underwater rock	9° 41'.58 S	144° 15'.14 E
	depth, 5 ₇ m, enclosed by contour, for dangerous underwater rock	9° 39'.34 S	144° 15'.41 E
	depth, 5m, enclosed by contour, for dangerous underwater rock	9° 38'.66 S	144° 15'.15 E
	depth, 8m, for 8 ₉ m	9° 22'.3 S	144° 13'.3 E
Delete	depth 8 ₃ m	10° 10'.4 S	143° 55'.3 E
	depth 45m	10° 10'.2 S	143° 57'.0 E
	depth 11m	9° 45'.2 S	144° 11'.4 E
	reef	10° 16'.5 S	143° 51'.3 E
	danger line between	9° 42'.4 S	144° 14'.6 E
		9° 41'.1 S	144° 14'.8 E
		9° 42'.1 S	144° 15'.3 E
Aus 837 [161/2003]			
Insert	depth, 7 ₇ m, enclosed by contour	10° 18'.69 S	143° 44'.24 E
	depth, 6 ₇ m, enclosed by contour	10° 15'.78 S	143° 48'.55 E
	depth, 2 ₈ m, enclosed by contour	10° 17'.60 S	143° 49'.08 E
	depth, 1 ₈ m, enclosed by contour	(a) 10° 11'.30 S	143° 52'.19 E
	depth, 3 ₆ m	(b) 10° 11'.93 S	143° 52'.53 E
	5m contour enclosing (a) and (b) between	10° 10'.60 S	143° 53'.08 E
		10° 11'.19 S	143° 52'.26 E
		10° 12'.04 S	143° 52'.60 E
		10° 11'.58 S	143° 53'.35 E
		10° 10'.73 S	143° 53'.35 E
		10° 10'.60 S	143° 53'.18 E
		10° 18'.24 S	143° 53'.78 E
	depth, 5 ₇ m, enclosed by contour	10° 10'.08 S	143° 55'.14 E
	depth, 5m, enclosed by contour	10° 14'.57 S	143° 55'.44 E
	depth, 2 ₇ m, enclosed by contour	10° 03'.80 S	143° 56'.49 E
	depth, 4 ₃ m, enclosed by contour	10° 09'.88 S	143° 56'.86 E
	depth, 3 ₆ m, enclosed by contour	10° 08'.81 S	143° 58'.85 E
	depth, 7 ₁ m, enclosed by contour	10° 03'.62 S	143° 59'.78 E
	depth, 6 ₄ m, enclosed by contour	10° 02'.73 S	144° 01'.23 E
	depth, 4 ₆ m, enclosed by contour	10° 02'.99 S	144° 01'.89 E
	depth, 1 ₇ m, enclosed by contour	10° 03'.12 S	144° 02'.75 E
	depth, 2 ₉ m, enclosed by contour	10° 00'.09 S	144° 05'.02 E
	depth, 1 ₁ m, enclosed by contour	9° 57'.76 S	144° 08'.00 E
	depth, 4m, enclosed by contour	9° 54'.66 S	144° 08'.56 E
	depth, 2 ₂ m, enclosed by contour	9° 55'.99 S	144° 03'.78 E
	rock which covers and uncovers	10° 11'.09 S	143° 50'.01 E
	rock which covers and uncovers, enclosed by danger circle	10° 10'.96 S	143° 56'.73 E
	rock which covers and uncovers	(c) 10° 04'.46 S	143° 55'.35 E
	rock which covers and uncovers	(d) 10° 03'.72 S	143° 55'.83 E
	danger line enclosing (c) and (d)		
	danger line between	9° 55'.63 S	144° 02'.11 E
		9° 55'.28 S	144° 02'.08 E
		9° 55'.07 S	144° 02'.26 E
	unsurveyed boundary between	10° 19'.1 S	143° 42'.8 E
		9° 54'.4 S	144° 02'.7 E

Substitute	depth, 6_5 m, for 8m	10° 12'.82 S	143° 51'.72 E
	depth, 8_6 m, enclosed by contour, for 38m	10° 12'.55 S	143° 54'.49 E
	depth, 10_5 m, for 16 ₈ m	9° 52'.7 S	144° 07'.1 E
	depth, 8_7 m, for 23m	9° 51'.5 S	144° 07'.6 E
	depth, 11_6 m, for 26 ₉ m	9° 53'.0 S	144° 08'.4 E
	depth, 9_9 m, for 13 ₈ m	9° 52'.0 S	144° 08'.6 E
Delete	depth 8_3 m	10° 10'.3 S	143° 55'.4 E
	depth 11_7 m	10° 02'.7 S	144° 00'.9 E
	reef	10° 16'.4 S	143° 51'.4 E
	unsurveyed boundary between	10° 19'.1 S	143° 42'.8 E
		10° 18'.9 S	143° 55'.3 E
	unsurveyed boundary between	9° 54'.4 S	144° 02'.7 E
		9° 48'.6 S	144° 09'.2 E

Aus 840 [829/2002]

Insert	danger line between	9° 55'.63 S	144° 02'.11 E
		9° 55'.28 S	144° 02'.08 E
		9° 55'.07 S	144° 02'.26 E
	unsurveyed boundary between	10° 00'.1 S	143° 58'.1 E
		9° 54'.4 S	144° 02'.7 E

230* PAPUA NEW GUINEA - New Britain - Bialla Harbour - Depth.
AHS PNG 0550/23 (A24374).

Aus 547 [66/2003]

Insert	depth, 2_4 fm, enclosed by contour	5° 17'.1 S	150° 59'.3 E
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Aus 547 (plan, Bialla Harbour)

Insert	depth, 2_4 fm	5° 17'.191 S	150° 58'.915 E
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231* AUSTRALIA - TORRES STRAIT - Varzin Passage - Depths.

Former Notice - 779(P)/2002 is cancelled

HMAS *Paluma* HI 367 A, AHS MMI 3-1-21466 (A24383, A24399 & A24400).

Aus 296 [592/2002]

Insert	accompanying block	10° 34'.0 S	141° 54'.0 E
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Substitute	accompanying note	10° 28'.9 S	141° 31'.3 E
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Aus 376 [229/2003]

Substitute	depth, 3_8 m, for 2 ₇ m	10° 32'.7 S	141° 55'.0 E
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Aus 410 [691/2002]

Substitute	depth, $2fm$, for 1 ₃ fm	10° 32'.6 S	141° 55'.0 E
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Aus 700 [592/2002]

Insert	accompanying block	10° 34'.0 S	141° 54'.0 E
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Substitute	accompanying note	11° 15'.0 S	142° 12'.2 E
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AU411141 *Note:* an ENC cell update incorporating this information will be released shortly.

232* AUSTRALIA - NORTHERN TERRITORY - Port Patterson - Depths.

HMAS' *Shepparton* & *Benalla* HI 246 MMI 3-1-20414 (A24396 & A24443), HMAS *Mermaid* HI 363(A) MMI 3-1-21441 (A24592).

Aus 29 [99/2003]

Insert	depth, 12 ₅ m, and extend contour NW to enclose	12° 20'.51 S	130° 31'.15 E
	accompanying block	12° 25'.0 S	130° 24'.5 E
	legend in magenta, Inadequately Surveyed (see Note), centred on	12° 29'.0 S	130° 22'.8 E
Delete	depth 14 ₈ m	12° 20'.67 S	130° 31'.21 E
	depth 13 ₉ m and enclosing contour	12° 21'.27 S	130° 30'.74 E
	depth 19 ₇ m and enclosing contour	12° 22'.15 S	130° 29'.65 E

233* INDONESIA - Sumbawah - Light.

List of Lights Vol K/2003 -- 1299.56

UKHO Notice 9/1042/03 (A17471).

Aus 414 [215/2002]

Insert	light, <i>Fl. 7s 12M</i>	8° 54'.1 S	116° 43'.8 E
Delete	depth 23fm	8° 53'.5 S	116° 43'.0 E

234* WESTERN AUSTRALIA - Wyndham - Depths; buoyage; wreck.

ORDC Wyndam Port (A24311, A24312, A24326 & A24395), AHS (A24398).

Aus 32 [165/2002]

Insert	stranded wreck	15° 27'.80 S	128° 05'.87 E
Move	starboard lateral light buoy	15° 27'.13 S	128° 05'.58 E
	to	15° 27'.18 S	128° 05'.60 E
Amend	legend to <i>Lacrosse</i>	14° 48'.9 S	128° 18'.7 E
	legend to <i>Nicholls Point</i>	14° 58'.1 S	128° 10'.7 E
Delete	depth 3 ₆ m	15° 27'.7 S	128° 05'.9 E

Aus 32 (plan, Approaches to Wyndham)

Insert	accompanying block A	15° 20'.0 S	128° 05'.5 E
	accompanying block B	15° 24'.5 S	128° 06'.5 E
	legend <i>Turning Buoy</i> , centred on	15° 27'.2 S	128° 05'.6 E
	stranded wreck	15° 27'.80 S	128° 05'.87 E
Move	starboard lateral light buoy	15° 27'.13 S	128° 05'.58 E
	to	15° 27'.18 S	128° 05'.60 E

Note: a block to amend the main chart will be published in Edition 8.

235* SOUTH AUSTRALIA - Tumby Bay - Light buoy.

Transport SA Notice 10/2003 (A17509).

Aus 777 [70/2003]

Substitute	port lateral cylindrical light buoy, <i>Fl. R. 4s</i> , with topmark, for buoy	34° 23'.1 S	136° 06'.7 E
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236* SOUTH AUSTRALIA - Island Point - Light buoy southwestwards.
Transport SA Notice 11/2003 (A17508).

Aus 776 [71/2003]

Insert	port lateral cylindrical light buoy, <i>Fl. R.</i> 3s, with topmark	34° 26'.87 S	137° 23'.88 E
Delete	rock which covers and uncovers	34° 26'.9 S	137° 23'.9 E

Aus 777 [235/2003]

Insert	port lateral cylindrical light buoy, <i>Fl. R.</i> 3s, with topmark	34° 26'.96 S	137° 23'.80 E
Delete	rock which covers and uncovers	34° 27'.0 S	137° 23'.8 E

237* AUSTRALIA - TASMANIA - Hunter Island - Light range altered.
List of Lights Vol K/2003 -- 3518.00
AMSA ATH 2003/22 (A17580).

Aus 353 [594/2001]

Amend	light to <i>Fl(2)</i> 8s 183ft 10M	40° 29'.3 S	144° 43'.1 E
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Aus 422 [206/2003]

Amend	light range to 10M	40° 29'.3 S	144° 43'.0 E
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Aus 445B [36/2002]

Amend	light range to 10M	40° 29'.3 S	144° 43'.4 E
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Aus 790 [698/2002]

Amend	light range to 10M	40° 29'.4 S	144° 43'.3 E
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238* AUSTRALIA - VICTORIA - Port Phillip - Point Richards - Lights permanently discontinued.
List of Lights Vol K/2003 -- 2239.50, 2239.51
Parks Victoria (A17859).

Aus 157 [670/2002]

Insert	legend, <i>Ramp</i>	38° 06'.63 S	144° 37'.78 E
Delete	light	(a) 38° 06'.61 S	144° 37'.77 E
		38° 06'.60 S	144° 37'.72 E
	pecked line, with legend 110° 43', emanating from (a)		

239 AUSTRALIA - Products - Cumulative List of Australian Notices to Mariners - April 2003.
AHS (zA451).

The Cumulative List of Australian Notices to Mariners - April 2003 is issued as an [accompanying supplement](#).

It lists all permanent notices affecting charts in the Area of Australian Charting Responsibility published in the preceding two years since Edition 8 of 2001 dated 13 April 2001, and includes Edition 7 of 2003 dated 4 April 2003.

240(T)/2003 AUSTRALIA - NEW SOUTH WALES - South West Rocks - Light buoy.

Date - Until 31 July 2003

Fisheries New South Wales (A18132).

Fish aggregation device marked by a special light buoy, *Fl. Y. 5s*, exists in position 30° 50'.99 S 153° 06'.94 E (WGS 84).

Chart temporarily affected – Aus 811– Aus 812.

241(T)/2003 AUSTRALIA - QUEENSLAND - Moreton Bay and Brisbane River - Depth information and keel clearances.

Former Notice - 541(T)/2002 is cancelled

Maritime Safety Queensland Notice 82(T)/2003 (A33773).

Available depths and under keel clearances (UKC) as at 18 March 2003:

	<i>Metres</i>	<i>UKC/Remarks</i>
Moreton Bay:		
North East Channel	5.5	Channel not maintained
North West Channel	14.0	1.6 (Beam < 35m) 1.8 (Beam > 35 m)
Spitfire Channel	14.0	1.2
* Main Channel (M8 – M9)	10.0	(allowing) 1.8
East Knoll Bypass Channel	6.9	(allowing) 1.4
East Channel	14.0	1.2
Brisbane River:		
Entrance Beacons to Fisherman Islands Swing Basin	14.0	1.0
* Approaches to Fisherman Islands Berths No 4 to No 8	13.0	1.0
Pelican Banks Reach to Hamilton Reach	9.1	0.6 – 0.9 depending draft and tide
Alongside all berths		0.31

*Indicates new or revised entry.

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

242(T)/2003 AUSTRALIA - QUEENSLAND - Brisbane River - Depth information.

Former Notice - 542(T)/2002 is cancelled

Maritime Safety Queensland Notice 83(T)/2003 (zA448).

Available depths as at 18 March 2003:

<i>Berth</i>	<i>Metres</i>
* Fisherman Islands No8	12.7
* Fisherman Islands No7	12.9
* Fisherman Islands No6	13.1
Fisherman Islands No5	13.0
Fisherman Islands No4	13.1
* Fisherman Islands No3	13.8
* Fisherman Islands No2	13.8
* Fisherman Islands No1	13.5
* Fisherman Islands Grain	13.2
Caltex Fisherman Islands	13.3
* BP Luggage Point	14.3
* Fisherman Islands Coal	13.2
* Caltex Products	9.8
* QCL	9.4
* BP Products	10.6
Shell	11.0
* Pacific Terminals	9.1
* Incitec North	9.7
* Incitec South	10.4
* Pinkenba 1	10.7
* Pinkenba 2	10.5
* Sugar Terminal	10.1
* Mobil (wharf closed)	8.3
Cairncross Fitting Out Wharf	8.5
* Cairncross Breasting Wharf	7.1
* Maritime No3	10.2
* Maritime No2	9.9
Maritime No1	9.1
* Hamilton No4	10.4
* Hamilton No3	10.4
* Hamilton No2	9.8
Hamilton No1	10.4
* Hamilton Cold Stores (to be developed)	4.5
* ANL Newstead (wharf closed)	

*Indicates new or revised entry.

Chart temporarily affected – Aus 237 – Aus 238.

243(T)/2003 AUSTRALIA - QUEENSLAND – Moreton Bay - Scientific instrument.

Date – Until 17 April 2003

Maritime Safety Queensland Notice 84(T)/2003 (zA450).

A lit waverider buoy, *Fl(5)Y 20s*, exists in position 27° 16'.25 S 153° 20'.50 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 236.

244(T)/2003 AUSTRALIA - QUEENSLAND - Noosa Head - Wreck northwards.

Maritime Safety Queensland Notice 77(T)/2003 (zA429).

A wreck exists in position 26° 18'.11 S 153° 07'.25 E (WGS 84).

Chart temporarily affected – Aus 365 – Aus 424.

245(T)/2003 AUSTRALIA - QUEENSLAND - Chicken, Myrmidon, Pith and Davies Reefs - Scientific instruments.

Date – Until 1 October 2003

Former Notice - 649(T)/2002 is cancelled

Australian Institute of Marine Sciences (A24268).

Sub-surface oceanographic moorings exist in position as follows:

<i>Position (WGS 84)</i>	<i>Instrument Depth</i>	<i>Remarks</i>
18° 55'.00 S 147° 30'.00 E	10m	Light buoy, <i>Fl. Y. 3s</i> and mooring lines extending 50m E and W
18° 48'.00 S 147° 41'.00 E	15m	
* 18° 33'.63 S 147° 57'.09 E	>20m	
* 18° 13'.47 S 147° 21'.00 E	>20m	
* 18° 11'.46 S 146° 57'.92 E	>20m	

* Indicates new or revised position.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 371 – Aus 372 – Aus 826 – Aus 827 – Aus 828.

246(T)/2003 AUSTRALIA - QUEENSLAND - Maori Reef - Wreck eastwards.

Maritime Safety Queensland Notice 79(T)/2003 (zA428). The wreck is MV *Lorana*

A wreck exists in position 17° 08'.0 S 146° 23'.0 E (WGS 84).

Chart temporarily affected – Aus 372 – Aus 373 – Aus 830 - AU418146.

247(T)/2003 AUSTRALIA - QUEENSLAND - Cairns - Depth information.

Former Notice - 214(T)/2003 is cancelled

Maritime Safety Queensland Notice 78(T)/2003 (A24602).

Available depths as at 14 March 2003:

	<i>Metres</i>	<i>Remarks</i>
Entrance Channel	8.3	
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	2.1	
Berths:		
No 1	8.7	
No 2	8.4	
No 3	8.4	
No 4	8.4	
No 5	8.4	
No 6	8.4	between 500 metres and 550 metres
No 6	7.0	between 550 metres and 600 metres
No 7	10.0	
No 8	10.0	
* No 10	9.3	
No 12	10.5	
Smith Creek 1	5.5	

* Indicates new or revised entry.

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

248(T)/2003 AUSTRALIA - QUEENSLAND - Karumba - Nav aids restored to normal.

Former Notice - 218(T)/2003 is cancelled

Maritime Safety Queensland Notice 81(T)/2003 (zA430).

Cancel this notice on receipt.

Chart formerly affected – Aus 6

249(T)/2003 AUSTRALIA - QUEENSLAND - Karumba - Light beacons destroyed; light buoys.

Former Notice - 809(T)/2002 is cancelled

Maritime Safety Queensland Notices 483(T)/2002 & 81(T)/2003 (zA435).

No17 light beacon (17° 26'.71 S 140° 46'.91 E) has been destroyed and a starboard lateral light buoy, *Fl.G.2.5s*, has been established in situ.

No18 light beacon (17° 26'.66 S 140° 46'.95 E) has been destroyed and a port lateral light buoy, *Fl.R.2.5s*, has been established in situ.

No19 light beacon, *Fl.G.4s*, (17° 26'.93 S 140° 47'.26 E) has been destroyed. Remnants of the beacon remain on the seabed.

Chart temporarily affected – Aus 6.

250(T)/2003 AUSTRALIA – NORTHERN TERRITORY - Gove - Light buoy off station.

Nabalco (A24418).

West Woody light buoy (12° 11'.70 S 136° 39'.73 E) is off station.

Chart temporarily affected – Aus 15.

251(T)/2003 WESTERN AUSTRALIA - North West Cape - Scientific instruments.

Former Notice - 53(T)/2003 is cancelled

WNI Oceanographers & Meteorologists (A24404 & A24414).

Scientific instruments exist in positions as follows:

<i>Position</i>	<i>Remarks</i>
* 18° 45'.93 S 117° 07'.69 E	HPR light buoy <i>Fl(5)Y.20s</i>
* 19° 30'.13 S 116° 59'.93 E	HPR light buoy <i>Fl(5)Y.20s</i>
19° 36'.57 S 116° 07'.22 E	Waverider light buoy <i>Fl(5)Y.20s</i>

* Indicates new or revised entry.

Mariners are not to use the buoys as a mooring.

Chart temporarily affected – Aus 327 – Aus 741.

252(T)/2003 WESTERN AUSTRALIA - Dampier - Scientific instrument.

Date – Until 1 June 2003

WNI Oceanographers and Meteorologists (zA437 & zA438).

A lit waverider buoy, *Fl(5) Y. 20s*, exists in position 20° 33'.11 S 116° 43'.08 E.

Chart temporarily affected – Aus 57 – Aus 58.

253(T)/2003 WESTERN AUSTRALIA - Geraldton - Light buoys withdrawn.

Former Notices - 148(T)/2002 & 852(T)/2002 are cancelled

Geraldton Port Authority (A25663).

Cancel this notice on receipt.

Chart formerly affected – Aus 81 – Aus 751.

254(T)/2003 WESTERN AUSTRALIA - Geraldton - Buoyage.

Former Notices - 554(T)/2002, 713(T)/2002 & 714(T)/2002 are cancelled

List of Lights Vol K/2002 -- 1743.50,1743.60,1743.70,1743.80,1743.90,1743.95,1743.00,1743.20,1743.30

Geraldton Port Authority (A25663 & A25656).

Buoys and beacons in the following positions have been removed:

<i>Position</i>	<i>Remarks</i>
28° 46'.41 S 114° 36'.08 E	East Basin limit buoy
28° 46'.31 S 114° 35'.92 E	Basin limit pile
28° 45'.54 S 114° 36'.06 E	No 8 beacon

Beacons in the following positions have been replaced by buoys:

<i>Beacon</i>	<i>Position</i>	<i>Characteristics</i>	<i>Remarks</i>
No 1	28° 45'.19 S 114° 35'.22 E	Fl(4) G. 10s	starboard lateral pillar light buoy, with topmark
No 2	28° 45'.11 S 114° 35'.18 E	Q. R	port lateral spar light buoy, without topmark
No 3	28° 45'.19 S 114° 35'.52 E	Q. G	starboard lateral spar light buoy, without topmark
No 5	28° 45'.33 S 114° 35'.80 E	Q. G	starboard lateral spar light buoy, without topmark
No 7	28° 45'.57 S 114° 36'.94 E	Fl(4) G. 10s	starboard lateral spar light buoy, without topmark
No 9	28° 45'.82 S 114° 36'.01 E	Fl(4) G. 10s	starboard lateral pillar light buoy, with topmark
No 10	28° 45'.81 S 114° 36'.08 E	Fl(4) R. 10s	port lateral pillar light buoy, without topmark
	28° 46'.24 S 114° 36'.00 E	Q. Y	special spar light buoy, without topmark
	28° 46'.17 S 114° 35'.88 E	Q. R	port lateral spar light buoy, without topmark; 50m of the breakwater has been removed.

Buoys in the following positions have been altered:

<i>Position</i>	<i>Characteristics</i>	<i>Remarks</i>
28° 45'.90 S 114° 32'.75 E	Fl(4) Y. 20s	special spar light buoy, without topmark; Racon discontinued
28° 45'.33 S 114° 34'.77 E	Q. G	starboard lateral spar light buoy, without topmark

Buoys and beacons have been established in the following positions:

<i>Position</i>	<i>Characteristics</i>	<i>Remarks</i>
28° 46'.28 S 114° 36'.20 E	Q. G	starboard lateral spar light buoy, without topmark
28° 45'.23 S 114° 34'.75 E	Q. R	port lateral spar light buoy, without topmark
28° 41'.80 S 114° 33'.20 E	Iso 3s	safe water pillar light buoy, with topmark
28° 43'.90 S 114° 35'.40 E	Fl(4) G. 10s	starboard lateral pillar light buoy, with topmark
28° 42'.71 S 114° 34'.51 E	Fl(4) R. 10s	port lateral pillar light buoy, with topmark
28° 45'.20 S 114° 34'.57 E	Q. Y	special spar light buoy, without topmark
28° 45'.06 S 114° 35'.16 E	Q. Y	special spar light buoy, without topmark
28° 45'.29 S 114° 36'.03 E	LFl. 6s	beacon

No 6 light beacon (28° 45'.25 S 114° 35'.89 E) has been altered to Q. R, without topmark.

Chart temporarily affected – Aus 81 – Aus 751.

255(T)/2003 SOUTH AUSTRALIA - Great Australian Bight - Scientific instrument.

Date - Until 1 June 2003

WNI Oceanographers and Meteorologists (A17927, A17928, zA439 & zA440).

A lit waverider buoy, Fl(5) Y. 20s, exists in position 34° 14'.8 S 131° 23'.0 E.

Chart temporarily affected – Aus 4727.

256(T)/2003 AUSTRALIA - VICTORIA - Bass Strait - Scientific instruments recovered.

Former Notice - 623(T)/2002 is cancelled

WNI Oceanographers (A18128).

Cancel this notice on receipt.

Chart formerly affected – Aus 349 – Aus 4601 – Aus 4709

257(T)/2003 AUSTRALIA - TASMANIA - Frederick Henry Bay - Obstructions.

Date - Until 15 April 2003

MHQAUST (A24266 & A24343).

Ground mine shapes have been laid in the following positions:

42° 57'.92 S 147° 35'.25 E

42° 57'.92 S 147° 35'.59 E

42° 58'.16 S 147° 35'.70 E

42° 58'.31 S 147° 35'.42 E

42° 58'.16 S 147° 35'.14 E

All mines sit no higher than 0.4m from the seabed.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 171 – Aus 795.

258(T)/2003 AUSTRALIA - TASMANIA – George Bay - Shoaling.

Marine and Safety Tasmania Notice M33-2003 (zA452).

Shoaling has encroached into the channel at the barway; vessels should transit the area at least 30 metres E of the starboard lateral buoy (41° 17'.05 S 148° 19'.70 E).

Charts which will be affected – Aus 356.

259(P)/2003 AUSTRALIA - TASMANIA – Furneaux Group - Lights to be altered.

List of Lights Vol K/2003 – 3600.40, 3601.30

Date – On or about 28 March 2003

Marine and Safety Tasmania Notice M32-2003 (A33777).

Lights will be altered as follows:

<i>Position (WGS 84)</i>	<i>Remarks</i>
40° 11'.20 S 147° 54'.94 E	<i>Fl. 4s 6M.</i>
40° 13'.79 S 148° 16'.93 E	<i>Iso. WRG. 5s 6/4M.</i>

Charts which will be affected – Aus 179 – Aus 356 – Aus 357 – Aus 800.

260(T)/2003 AUSTRALIA - Temporary and Preliminary Notices.

Former Notice - 60(T)/2003 is cancelled

AHS (A33824).

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
BASS STRAIT		
<i>Stanley to Inverloch</i>		
88/2003	Aus350-353-422-445B-790-801	Seabed survey
CORAL SEA		
<i>Lihou Reef</i>		
653/2001	Aus614.....	Shoals
NEW SOUTH WALES		
<i>Batemans Bay</i>		
102/2003	Aus807.....	Light buoy
<i>Botany Bay</i>		
220/2002	Aus199.....	Light buoy
<i>Byron Bay</i>		
105/2003	Aus813.....	Light buoy
<i>Coffs Harbour</i>		
213/2003	Aus812.....	Light buoy northeastwards
<i>Forster</i>		
134/2003	Aus810.....	Light buoy

835/2002	Aus197-806-807-808-810-812-813	<i>Green Cape to Point Danger</i> Scientific instruments
103/2003	Aus193.....	<i>Jervis Bay</i> Obstructions
133/2003	Aus193.....	Obstructions
209/2003	Aus193.....	Obstructions
210/2003	Aus193-807-808	Light buoy
48/2003	Aus207-208	<i>Newcastle</i> Depth information
838/2002	Aus195.....	<i>Port Kembla</i> Pipeline; jetty
212/2003	Aus810.....	<i>Port Stephens</i> Light buoy
132/2003	Aus807.....	<i>Potato Point</i> Light buoy
837/2002	Aus808.....	<i>Shellharbour</i> Scientific instrument
240/2003	Aus811.....	<i>South West Rocks</i> Light buoy
211/2003	Aus197-809	<i>Terrigal</i> Light buoy
47/2003	Aus204.....	<i>Terrigal Haven</i> Light beacon
111/2002	Aus813-814	<i>Tweed River</i> Scientific Instrument
135/2003	Aus220-813-814	Dredging operations
NORTHERN TERRITORY		
87/2001	Aus26	<i>Darwin</i> Artificial reef; buoy
201/2002	Aus28	Depth information
351/2002	Aus26-28	Shoaling
712/2002	Aus26	Obstruction; buoy
52/2003	Aus14	<i>Groote Eylandt</i> Light buoy unlit
810/2002	Aus310-411	<i>Sahul Banks</i> Scientific instrument
849/2002	Aus309-311-315	<i>Troubadour Shoals</i> Scientific instruments
QUEENSLAND		
706/2002	Aus253-268	<i>Airlie Beach</i> Harbour works
141/2003	Aus834-AU414143	<i>Blanchard Reef</i> Light buoy to be established northeastward
411/2001	Aus237.....	<i>Brisbane River</i> Pipeline; mooring buoy removed
144/2002	Aus236-237	Light buoy
612/2002	Aus238.....	Harbour works
703/2002	Aus238.....	Harbour works
748/2002	Aus238.....	Harbour works
242/2003	Aus237-238	Depth information

682/2001	Aus243.....	<i>Bundaberg</i> Shoal
544/2002	Aus243.....	Buoyage
580/2002	Aus243.....	Dredging operations
169/2003	Aus243.....	Depth information
<i>Cairns</i>		
673/2002	Aus262-263	Harbour works
708/2002	Aus263-264	Wreck; light buoy
247/2003	Aus262-263-264-830- AU417145-5262_4	Depth information
<i>Chicken, Myrmidon, Pith and Davies Reefs</i>		
245/2003	Aus371-372-826-827-828	Scientific instruments
<i>Cooktown</i>		
845/2002	Aus270-AU5270P1	Depth information
<i>Diamond Reign Reefs</i>		
142/2003	Aus834-AU414143	Light buoy; radar transponder to be established
<i>Fairway Channel</i>		
140/2003	Aus833-AU414144	Light buoy; radar transponder to be established
<i>Frederick Patches</i>		
145/2003	Aus834-AU413143	Light buoy to be established
<i>Gladstone</i>		
704/2002	Aus244-245	Dredging operations
50/2003	Aus244-245	Light beacons
107/2003	Aus244-245-246	Depth information
<i>Gold Coast Seaway</i>		
74/2003	Aus814.....	Shoaling
<i>Gove</i>		
250/2003	Aus15	Light buoy off station
<i>Great Palm Island</i>		
171/2003	Aus371-372-827-828	Wreck; light buoy
<i>Hay Point</i>		
448/2001	Aus250.....	Depth information
285/2002	Aus249-250	Harbour works
<i>Karumba</i>		
653/2002	Aus6	Depth information
84/2003	Aus6	Light buoy off station
249/2003	Aus6	Light beacons destroyed; light buoys
<i>Laguna Quays</i>		
347/2002	Aus252.....	Reduced depth
<i>Mackay</i>		
312/2002	Aus249-250	Harbour works
485/2002	Aus250.....	Depth information
<i>Maori Reef</i>		
246/2003	Aus372-373-830-AU418146	Wreck eastwards
<i>Moreton Bay</i>		
333/2001	Aus236.....	Light beacon destroyed; light buoy
409/2001	Aus236.....	Leading light destroyed; light buoy
806/2002	Aus236.....	Wreck westward; light buoy
75/2003	Aus236-237	Shoal
77/2003	Aus236-237	Light buoys
78/2003	Aus236-237	Harbour works
243/2003	Aus236.....	Scientific instrument
<i>Moreton Bay and Brisbane River</i>		
241/2003	Aus235-236-237-238-814	Depth information and keel clearances

843/2002	Aus258.....	<i>Mourilyan</i> Depth information
143/2003	Aus834-AU414143	<i>New Reef</i> Light buoy to be established
244/2003	Aus365-424	<i>Noosa Head</i> Wreck northwards
144/2003	Aus834-AU413143	<i>Osborn Channel</i> Light buoy; radar transponder to be established
173/2003	Aus375-831-AU416145	<i>Pickersgill Reef</i> Wreck northwards
87/2002	Aus249.....	<i>Pioneer River</i> Obstructions marked by light buoys
136/2003	Aus4-236-247-249-251-256- 365-814-830-AU413141- 417145	<i>Point Danger to Weipa</i> Scientific instruments
539/2000	Aus247.....	<i>Port Alma</i> Depth information
378/2002	Aus270-AU5270P1	<i>Port Douglas</i> Depth information
778/2002	Aus294-839	<i>Red Island</i> Stranded wreck
147/2003	Aus303-410	<i>Snake Creek</i> Wreck
146/2003	Aus834-AU413143	<i>Sunk Reef</i> Light buoy to be established
687/2001	Aus293-299-AU5_299	<i>Thursday Island</i> Depth information
270/1998	Aus256-257	<i>Townsville</i> Shoaling
109/2003	Aus256-257	Dredging operations
170/2003	Aus256-257	Depth information
349/2002	Aus373.....	<i>Undine Reef</i> Light beacon destroyed
405/2000	Aus251.....	<i>Victor Creek</i> Light beacon destroyed; light buoy
848/2002	Aus4-AU413141-5__4P1	<i>Weipa</i> Depth information
SOUTH AUSTRALIA		
490/2002	Aus125-781	<i>Glenelg</i> Restricted areas; light buoys
678/2002	Aus347.....	<i>Goolwa</i> Dredging operations
255/2003	Aus4727.....	<i>Great Australian Bight</i> Scientific instrument
86/2003	Aus781.....	<i>Gulf of St Vincent</i> Wreck
452/2002	Aus127.....	<i>Margaret Brock Reef</i> Structure

95/2002	Aus137.....	<i>Port Adelaide</i> Shoaling
229/2002	Aus780-781	Moorings westward
622/2002	Aus137.....	Obstruction
220/2003	Aus125.....	<i>Port Stanvac</i> Light buoy
756/2002	Aus780-781	<i>Port Vincent</i> Yachting buoys
700/2000	Aus120.....	<i>Thevenard</i> Light beacon altered; light buoy
815/2002	Aus344-444-778	<i>Yarraville Shoal</i> Light beacon destroyed; light buoy
TASMANIA		
287/2002	Aus171.....	<i>Blackman Bay</i> Buoyage
719/2002	Aus173.....	<i>Bruny Island</i> Marine farm
57/2003	Aus163.....	<i>Burnie</i> Depth
254/2000	Aus173.....	<i>D'Entrecasteaux Channel</i> Fish farm
780/2002	Aus173.....	Marine farm
781/2002	Aus171-173-795	<i>D'Entrecasteaux Channel to Dunalley Bay</i> Scientific instruments
419/2002	Aus173.....	<i>D'entrecasteaux Channel</i> Light buoys
258/2003	Aus179-356-357-800	<i>Flinders Island</i> Lights to be altered
257/2003	Aus171-795	<i>Frederick Henry Bay</i> Obstructions
263/2002	Aus172.....	<i>Hobart</i> Depth information
89/2003	Aus173.....	<i>Huon River</i> Wreck; buoy
421/2002	Aus171.....	<i>Marion Bay Narrows</i> Leading lights
420/2002	Aus171.....	<i>Norfolk Bay</i> Marine farm
680/2002	Aus171-173-174	<i>North West Bay</i> Marine farm research permit
679/2002	Aus173-174	<i>Pillings Bay</i> Marine farm
339/1997	Aus167.....	<i>Port Dalrymple</i> Shoal depth
418/2002	Aus174-176-354-355	<i>Port Davey to Coles Bay</i> Spat lines; buoys
264/2002	Aus170.....	<i>Spring Bay</i> Depth information

TIMOR SEA*Sahul Banks*

812/2002	Aus312-4603	Gas field
850/2002	Aus312.....	Scientific instruments

TORRES STRAIT*Warrior Reefs*

847/2002	Aus840.....	Tide gauge
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VICTORIA*Bass Strait*

66/2002	Aus357-357A-358-422-445A	Traffic separation scheme adjustment
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206/2002	Aus349.....	Scientific instruments
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Cape Sir William Grant

262/2002	Aus140-786	Obstruction; light buoys
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Corner Inlet

342/1997	Aus181.....	Shoaling
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Port Phillip

420/1998	Aus157-158	Beacon destroyed
774/1998	Aus143-157	Buoy off station
238/2001	Aus154.....	Harbour works
658/2001	Aus143-158	Prohibited area; special buoy
97/2002	Aus143-144-158	Shoaling
121/2002	Aus154.....	Harbour works
150/2002	Aus143-144-158	Shoaling; light buoy
151/2002	Aus143-157	Prohibited area; beacons
625/2002	Aus157.....	Shoaling
816/2002	Aus144-158	Beacon destroyed; buoy
818/2002	Aus143-144-155-158	Beacons and buoys; marine parks
861/2002	Aus157.....	Harbour works
58/2003	Aus154-157	Depth information
90/2003	Aus157.....	Light beacon destroyed; light buoy
114/2003	Aus143-144-158	Scientific instruments
149/2003	Aus143-144-155-157-158	Pile maintenance
177/2003	Aus143-154-155-158	Dredging operations
221/2003	Aus143-144	Light buoy southwestwards
222/2003	Aus143-144-154-155-158	Drilling operations
225/2003	Aus143-155	Harbour works

Portland

590/2001	Aus140.....	Depth information
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Refuge Cove

453/2002	Aus350-357-357A-445A-802	Light destroyed
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Western Port

91/2001	Aus150-151	Shoaling
560/2001	Aus150.....	Light beacon destroyed; light buoy
819/2002	Aus150-151	Beacons and buoys; marine park
150/2003	Aus150-151-152	Pile maintenance
178/2003	Aus150-151-350-801	Radar transponder temporarily discontinued

WESTERN AUSTRALIA*Barrow Island*

753/2002	Aus328-415-416-743	Oilfield; cautionary zone
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Bremer Bay

814/2002	Aus337.....	Light
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Broome

413/2002	Aus50	Light buoy off station
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Cockburn Sound

854/2002	Aus114-117	Harbour works
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252/2003	Aus57-58-741	<i>Dampier</i> Scientific instrument
384/2002	Aus333-752	<i>Dongara</i> Scientific instruments
539/2001	Aus119.....	<i>Esperance</i> Harbour works
717/2002	Aus119.....	Mooring buoys eastward
54/2003	Aus119.....	Scientific instrument
175/2003	Aus119-762	Light to be altered
851/2002	Aus61-63-64-72-327-328-329-330-331-415-416-742-743-744-745-747	<i>Exmouth</i> Differential global positioning system
386/2002	Aus113.....	<i>Fremantle</i> Depth information
113/2003	Aus112-754	Scientific instrument
715/2002	Aus81	<i>Geraldton</i> Buoys
716/2002	Aus81	Fish farm removed
853/2002	Aus81-751	Precautionary area and dredging operations
254/2003	Aus81-751	Buoyage
385/2002	Aus753-756	<i>Jurien Bay to Cape Naturaliste</i> Scientific instruments
174/2003	Aus61-327-328-415-416-742-4603-4708	<i>Montebello Islands</i> Light to be altered
383/2002	Aus329-745	<i>Ningaloo Reef</i> Scientific instruments
251/2003	Aus327-741	<i>North West Cape</i> Scientific instruments
219/2003	Aus334-754	<i>Rottnest Island</i> Scientific instruments westward
488/2002	Aus327-328-742	<i>Varanus Island</i> Shoal
PAPUA NEW GUINEA		
511/2002	Aus382-4060-4604	<i>Adele Island</i> Light unlit
112/2003	Aus4622.....	<i>Admiralty Islands</i> Scientific instrument northward
570/1999	Aus399-461-683-684-4622	<i>Bougainville Island</i> Buoyage
51/2003	Aus376-377-378-840-4620	<i>Bristow Island</i> Light unlit
216/2003	Aus384-519-520	<i>Cape Nelson</i> Lights unlit
217/2003	Aus384-520-521-4620-4622	<i>Cape Nelson to Cape Ward Hunt</i> Lights unlit
710/2002	Aus381-630	<i>Goschen Strait</i> Light unlit
588/2001	Aus625.....	<i>Kwato Eina Kaba Kwasi Shoal</i> Beacon destroyed

566/1999	Aus523.....	<i>Lae</i> Depth
194/2000	Aus385-523-4622	Light unlit
572/1999	Aus462-576-662-4622	<i>Manus Island</i> Lights destroyed
195/2000	Aus547.....	<i>New Britain</i> Light beacons unlit
115/2002	Aus674.....	Light beacons unlit
82/2003	Aus547.....	Light beacons destroyed
571/1999	Aus666-667	<i>New Ireland</i> Light beacons destroyed
337/2001	Aus628.....	<i>Raven Channel</i> Light beacon unlit
193/2000	Aus379-380-505-620	<i>Redscar Bay to Port Moresby</i> Lights unlit and racon non operational
564/1999	Aus380-506	<i>Rothery Passage</i> Light beacon destroyed
215/2003	Aus523-644-4620-4622	<i>Salamaua Harbour</i> Light unlit
110/2003	Aus381-630	<i>Shortland Reef</i> Light unlit
83/2003	Aus651.....	<i>Wewak Harbour</i> Lights unlit

III

NAVIGATION WARNINGS

The following radio messages have been received during the period to 21 March 2003. 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

- 075 Cancelled.
- 076 NW Coast. MV *Rockwater 2* engaged in underwater operations in position 20° 54'.6 S 114° 54'.5 E.
- 077 Cancelled.
- 078 NW Coast. Drill rig *Atwood Falcon* in position 21° 28'.8 S 113° 49'.6 E. 2.5M clearance requested.
- 079 SE Coast. MV *Southern Supporter* conducting drilling operations in position 39° 14'.0 S 142° 54'.0 E.
- 080 Cancelled.
- 081 NE Coast. Fairway Channel west cardinal light buoy, VQ(9) 10s, established in position 13° 54'.0 S 144° 17'.2 E.
- 082 NE Coast. Tennine Shoal west cardinal light buoy, Q(9) 15s, established in position 13° 17'.1 S 143° 51'.0 E.
- 083 NW Coast. Six blue steel unlit buoys temporarily placed in position 20° 45'.8 S 114° 50'.5 E.
- 084 Cancelled.
- 085 NE Coast. Diamond Reign Reef east cardinal light buoy, Q(3) 10s, with radar transponder *Racon (K)*, established in position 13° 11'.5 S 143° 47'.83 E.
- 086 NE Coast. Thirteensouth Rock east cardinal light buoy, VQ(3) 5s, with radar transponder *Racon (O)*, established in position 12° 59'.7 S 143° 43'.65 E.
- 087 NE Coast. Westderry Shoal west cardinal light buoy, VQ(9) 10s, established in position 13° 02'.1 S 143° 45'.6 E.
- 088 Cancelled.
- 089 NE Coast. Sunk Reef port lateral light buoy, Fl. R. 2.5s, established in position 12° 51'.35 S 143° 38'.40 E.
- 090 NE Coast. Frederick Patches starboard lateral light buoy, Fl. G. 2.5s, established in position 12° 52'.15 S 143° 38'.22 E.
- 091 NW Coast. Seismic survey vessel *Veritas* towing 4.6M cable in area bounded by 18° 30'.0 S to 21° 00'.0 S and 113° 00'.0 E to 116° 00'.0 E
- 092 NW Coast. . Drill rig *Ensco 53* in position 21° 21'.7 S 115° 17'.6 E. 2.5M clearance requested.

NAVAREA X WARNINGS

- 009 Cancelled.
- 010 Cancelled.
- 011 Semi submerged catamaran *Eroica* drifting vicinity 29° 03'.8 S 160° 39'.5 E.
- 012 Cancelled.

Navigational warnings in force as at 200001UTC MAR 03.

Auscoast

2002 - 364.

2003 - 005 015 018 037 043 052 053 066 067 070 078 079 081 082 083 085 086 087 089 090 091 092.

Navarea X

2003 - 005 008 011.

Summary of mobile drilling rigs as at 200001UTC MAR 03.

Name	Position
Glomar Jack Ryan	13° 42'.3 S 121° 43'.9 E
Sedco 703	19° 21'.0 S 116° 23'.8 E
Ensco 53	21° 21'.7 S 115° 17'.6 E
Atwood Falcon	21° 28'.8 S 113° 49'.6 E

NAVAREA XIV WARNINGS

- 044 Cancelled.
- 045 Large 120feet log reported in position 5° 08'.0 S 174° 07'.0 E.
- 046 Cancelled.

Navarea XIV warnings in force as at 200001UTC MAR 03.

045

IV

HYDROGRAPHIC REPORTS

<i>Locality</i>	<i>Report</i>	<i>Ship/Authority</i>	<i>Observer</i>
QLD- Thursday Island	Features	ACV <i>Corio Bay</i>	P Fitzgerald