



Australian Notices to Mariners are the authority for correcting Australian Charts

# AUSTRALIAN NOTICES TO MARINERS

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Notices 206-234

Published fortnightly by the Australian Hydrographic Office



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Hydrographer, RAN

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

**New Zealand Notices to Mariners**

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

**Notices to Mariners information relating to British Admiralty Publications unavailable on this web site at this stage but still available in printed form:-**

- Section II. Corrections to Admiralty List of Lights, Vol K.**
- Section V. Corrections to Admiralty List of Radio Signals.**
- Section VI. Corrections to Sailing Directions.**

*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. The range quoted for a light is its nominal range. Fog signals are sounded only during thick or foggy weather, unless otherwise stated. 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 OFFICE, Locked Bag 8801 South Coast Mail Centre, NSW 2521 (Fax 02-4221 8599), e-mail [hni.hydro@navy.gov.au](mailto:hni.hydro@navy.gov.au) or, alternatively by filling in and submitting the **Hydrographic Notes** forms, 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).**

Copies of these notices can be obtained from the AUSTRALIAN HYDROGRAPHIC OFFICE, 8 Station Street, Wollongong, the Agents for the sale of Australian and Admiralty charts in Australia, and from the Australian Maritime Safety Authority (AMSA) Offices, in the major ports of Australia

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Edition No 7

2 April 1999

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**206 AUSTRALIA - Products.**

RAN Hydrographic Service (99/1724) &amp; BA Ed 8/99 (99/1692). (AH 99/139,226)

**New edition**

Chart	Published	Title and description of amendments	Scale	Folio	Index Chart	Price
Aus 238	19/2/99	Australia - East Coast - Queensland - Brisbane River Lytton Reach to Victoria Bridge Plan:	1:12 500	7	Aus 5020B	\$25.00
		Hamilton Reach	1:7 500			
		Bulimba Reach	1:7 500			
		Town Reach and Shafston Reach	1:5 000			
		South Brisbane Reach	1:5 000			
		<i>Includes harbour developments and amendment to dredged areas. The chart is referred to WGS 84 datum and LAT.</i>				

Note: This chart is affected by Notices to Mariners 660(T)/97, 113(T)/99 & 190(T)/99.

**New edition of Admiralty publication**

Np No	Title	Date	RRP (UK)	Remarks
NP 282	Admiralty List of Radio Signals- Radio Navigation Aids – Electronic Position Fixing Systems and Radio Time Signals.	25/2/99	£25.00	The 1998 edition is thereby cancelled.

**207 AUSTRALIA - Miscellaneous chart corrections.**

AMSA (99/856). (AH 99/243)

**Aus 163 [108/99]**

Amend	Legend in reliability diagram to read <i>CL(5) 100 1908</i> , centred on	40° 56'.1 S	145° 59'.8 E
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**208\* AUSTRALIA - NEW SOUTH WALES - Port Jackson - Rushcutters Bay - Elizabeth Point - Naval waters revoked.**

Defence Corporate Support (99/1264). (AH 98/166)

**Aus 202 [616/98]**

Delete	Magenta pecked line between	33° 52'.33 S	151° 13'.79 E
		33° 52'.32 S	151° 13'.80 E
		33° 52'.30 S	151° 13'.78 E
		33° 52'.31 S	151° 13'.77 E
	Legend, Naval Waters, centred on	33° 52'.3 S	151° 13'.8 E

**209\* AUSTRALIA - NEW SOUTH WALES - Pittwater - Buoyage.**

Waterways PAR Sheet 901/1 (99/1689). (AH 99/19)

**Aus 204 [73/99]**

Insert	Special cylindrical light buoy, <i>Fl. Y. 3s</i> , with topmark	33° 38'.90 S	151° 17'.65 E
	Starboard lateral light beacon, <i>Fl. G. 3s</i> , with topmark	33° 39'.52 S	151° 18'.03 E
	Special spar buoy, without topmark	33° 36'.40 S	151° 18'.30 E
		33° 38'.03 S	151° 17'.29 E
		33° 38'.07 S	151° 18'.20 E
Substitute	special cylindrical light buoy, <i>Fl. Y. 5s</i> , with topmark, for special buoy	33° 37'.61 S	151° 17'.60 E
Delete	starboard lateral beacon	33° 39'.56 S	151° 18'.02 E

**210\* AUSTRALIA - QUEENSLAND - Moreton Bay - Manly - Light beacons.**

DOTQ Notice 83/99 (99/1405). (AH 99/16)

**Aus 236 (plan, Manly Boat Harbour) [149/99]**

Substitute	port lateral light beacon, <i>Fl. R.</i> 3s, with topmark, for port lateral beacon	27° 27'.22 S	153° 11'.46 E
		27° 27'.36 S	153° 11'.47 E
	starboard lateral light beacon, <i>Fl. G.</i> 3s, with topmark, for starboard lateral beacon	27° 27'.38 S	153° 11'.44 E

**211\* AUSTRALIA - QUEENSLAND - Cairns - Trinity Inlet - Naval waters.**

Defence Corporate Support (99/1264). (AH 99/192)

**Aus 262 (plan, Port of Cairns) [260/97]**

Insert	magenta pecked line between	16° 56'.179 S	145° 46'.617 E
		16° 56'.214 S	145° 46'.687 E
		16° 56'.211 S	145° 46'.705 E
		16° 56'.313 S	145° 46'.720 E
		16° 56'.316 S	145° 46'.703 E
		16° 56'.344 S	145° 46'.659 E
	legend, <i>Naval Waters</i> , in magenta, centred on	16° 56'.25 S	145° 46'.68 E

**212\* AUSTRALIA - TORRES STRAIT - Smith Cay to Yorke Islands - Shoals.**

AMSA (99/1457). (AH 99/175)

**Aus 376 [151/99]**

Delete	danger line between	9° 46'.3 S	143° 19'.2 E
		9° 46'.3 S	143° 18'.2 E
		9° 45'.9 S	143° 19'.2 E
	legend, Rep (1984), centred on	9° 43'.5 S	143° 25'.7 E

**213\* WESTERN AUSTRALIA - White Point - Depths.**  
 DOTWA drawing 820-1-1/6 (MMI 20962) (99/1821). (AH 99/169)

**Aus 333 [181/99]**

Insert	depth, 4 <sub>6</sub> m, enclosed by contour	29° 20'.50 S	114° 53'.68 E
	depth, 4 <sub>5</sub> m, and extend contour N to enclose	29° 22'.99 S	114° 50'.78 E
	depth, 6 <sub>5</sub> m, and extend contour S to enclose	29° 24'.81 S	114° 51'.77 E
	depth, 1 <sub>6</sub> m, enclosed by contour	29° 26'.46 S	114° 55'.49 E
	depth, 1 <sub>8</sub> m, enclosed by contour	29° 27'.16 S	114° 55'.21 E
Substitute	depth, 4m, for 4 <sub>8</sub> m	29° 20'.5 S	114° 52'.6 E
	depth, 6 <sub>5</sub> m, for 7 <sub>5</sub> m	29° 21'.9 S	114° 50'.8 E
	depth, 2 <sub>3</sub> m, for 2 <sub>7</sub> m	29° 22'.9 S	114° 52'.3 E
	depth, 4 <sub>8</sub> m, for 5 <sub>8</sub> m	29° 23'.1 S	114° 53'.2 E
	depth, 6 <sub>4</sub> m, for 9 <sub>9</sub> m	29° 25'.3 S	114° 53'.8 E
	depth, 4 <sub>2</sub> m, for 4 <sub>4</sub> m	29° 26'.6 S	114° 50'.3 E
	depth, 1 <sub>7</sub> m, for 1 <sub>5</sub> m	29° 26'.6 S	114° 57'.6 E
Delete	depth 2 <sub>2</sub> m	29° 26'.7 S	114° 55'.5 E

**Aus 752 [181/99]**

Insert	depth, 4m, and extend contour NW to enclose	29° 20'.39 S	114° 52'.57 E
	depth, 4 <sub>6</sub> m, enclosed by contour	29° 20'.50 S	114° 53'.68 E
	depth, 4 <sub>5</sub> m, and extend contour N to enclose	29° 22'.99 S	114° 50'.78 E
	depth, 6 <sub>5</sub> m, and extend contour S to enclose	29° 24'.81 S	114° 51'.77 E
	depth, 6 <sub>4</sub> m, and extend contour N to enclose	29° 25'.32 S	114° 53'.80 E
	depth, 1 <sub>6</sub> m, enclosed by contour	29° 26'.46 S	114° 55'.49 E
	depth, 1 <sub>8</sub> m, enclosed by contour	29° 27'.16 S	114° 55'.21 E
	depth, 1 <sub>7</sub> m, and extend contour N to enclose	29° 26'.45 S	114° 57'.59 E
Substitute	depth, 6 <sub>8</sub> m, for 7 <sub>8</sub> m	29° 21'.1 S	114° 51'.6 E
	depth, 6 <sub>5</sub> m, for 7 <sub>5</sub> m	29° 21'.9 S	114° 50'.8 E
	depth, 2 <sub>3</sub> m, for 2 <sub>7</sub> m	29° 22'.9 S	114° 52'.3 E
	depth, 4 <sub>8</sub> m, for 5 <sub>8</sub> m	29° 23'.1 S	114° 53'.2 E
	depth, 3 <sub>5</sub> m, for 4 <sub>4</sub> m	29° 24'.6 S	114° 49'.9 E
	depth, 4 <sub>2</sub> m, for 4 <sub>4</sub> m	29° 26'.6 S	114° 50'.3 E
	depth, 2 <sub>2</sub> m, for 3 <sub>5</sub> m	29° 27'.1 S	114° 57'.2 E
	Delete	depth 4 <sub>8</sub> m	29° 20'.5 S
depth 9 <sub>2</sub> m		29° 24'.6 S	114° 51'.8 E
depth 9 <sub>9</sub> m		29° 25'.4 S	114° 53'.8 E
depth 1 <sub>9</sub> m		29° 26'.6 S	114° 57'.6 E
legend, Unexamined Shoals (see Note), centred on		29° 25'.6 S	114° 54'.6 E

**214\* WESTERN AUSTRALIA - Fremantle - Pilot boarding place.**  
 FPA Notice 2/99 (99/1817). (AH 99/240)

**Aus 112 [665/98]**

Amend	legend (see Note), to <i>Outer</i> (see Note), centred on	31° 55'.6 S	115° 36'.0 E
	legend (Compulsory), to <i>Inner</i> (see Note), centred on	32° 02'.1 S	115° 41'.5 E
Substitute	<a href="#">accompanying note</a> for note PILOTS centred on	31° 55'.3 S	115° 48'.5 E

**Aus 334 [156/99]**

Insert	legend, <i>Outer</i> , in magenta, adjacent to pilot boarding place	31° 55'.4 S	115° 36'.1 E
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**Aus 754 [156/99]**

Insert	legend, <i>Outer</i> (see Note), in magenta, adjacent to pilot boarding place	31° 55'.4 S	115° 36'.1 E
	<a href="#">accompanying note</a>	31° 16'.5 S	115° 42'.5 E

**215\* AUSTRALIA - TASMANIA - Fleurieu Group - Hope Channel - Depth.**HMAS *Flinders* HI 271 (99/1458). (AH 99/198)**Aus 445B [86/99]**

Insert	depth, 7m	40° 27'.4 S	144° 48'.4 E
Delete	depth 10m	40° 27'.3 S	144° 48'.9 E
	depth 15m	40° 27'.5 S	144° 48'.1 E

**Aus 790 [157/99]**

Insert	depth, 12 <sub>g</sub> m, enclosed by contour	40° 27'.35 S	144° 48'.39 E
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**216\* AUSTRALIA - VICTORIA - Western Port - French Island - Freeman Point - Jetty demolished; light discontinued.***Former Notice - 422(T)/98 is cancelled*

List of Lights Vol K/99 -- 2456.30

Parks Victoria (99/1793). (AH 99/238)

**Aus 150 [137/99]**

Delete	jetty and light	38° 22'.30 S	145° 26'.91 E
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**217 NEW ZEALAND - Bounty Islands - Depths eastward.**

NZ Notice 8/101/99 (99/1690). (AH 99/180)

**Aus 4060 (INT 60) [759/98]**

Insert	depth, 112m, and extend 200m contour E to enclose	47° 39' S	179° 39' E
Substitute	depth, 666m, for 1119m and extend 1000m contour E to enclose	47° 47' S	178° 55' W
Delete	depth 134m	47° 35' S	179° 20' E

**218 AUSTRALIA - Publication - Cumulative List of Australian Notices to Mariners - April 1999.**

RAN Hydrographic Service. (99/1794). (AH 99/232)

The Cumulative List of Australian Notices to Mariners - April 1999 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 1997 dated 11 April 1997, and includes Edition 7 of 1999 dated 2 April 1999.

**219(T)/99 AUSTRALIA - NEW SOUTH WALES - Botany Bay - Brotherson Dock - Drilling completed.**

Former Notice - 449(T)/98 is cancelled  
Coffey Partners (99/2000). (AH 99/250)

Cancel this notice on receipt.

**Chart formerly affected - Aus 198 - Aus 199**

**220(T)/99 AUSTRALIA - QUEENSLAND - Moreton Bay - Cabbage Tree Creek - Light beacon re-established; light buoy removed.**

Former Notice - 188(T)/99 is cancelled  
DOTQ 132/99 (99/1964). (AH 99/16)

Cancel this notice on receipt.

**Chart formerly affected - Aus 236**

**221(T)/99 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Middle Bank - Light buoy.**

Date - Until further notice  
DOTQ Notice 106/99 (99/1703). (AH 99/14)

A starboard lateral light buoy, Fl. G. 3s, has been temporarily established in position 25° 12'.69 S 152° 54'.74 E.

**Chart temporarily affected - Aus 241.**

**222(T)/99 AUSTRALIA - QUEENSLAND - Gladstone - Depth information.**

Former Notice - 736(T)/98 is cancelled  
DOTQ Notice 104/99 (99/1703). (AH 99/217)

Available depths as at 5 March 1999:

	<i>Metres</i>
Sea Channels:	
Wild Cattle Cutting	16.3
Boyne Island Cutting	16.3
Bynoe Island Extension Channel	9.0
Golding Cutting	16.3
Golding Bypass Channel	7.3
Gatcombe Cutting	16.3
Gatcombe Bypass Channel	12.5
Inner Channels:	
Auckland Channel	15.8
Auckland Bypass Channel	6.8
Clinton Channel	16.0
* Clinton Bypass Channel	8.2
Clinton Swing Basin	10.4
* Targinne Channel	8.9
* Targinne Swing Basin	8.9
Berths:	
Boyne Smelter Wharf	15.0
South Trees East Wharf	12.8
South Trees West Wharf	12.8
Barney Point Wharf	15.0
Auckland Point No1 Wharf	11.3
Auckland Point No2 Wharf	11.3
Auckland Point No3 Wharf	11.3
* Auckland Point No4 Wharf	11.4
Clinton No1 Wharf	18.8
Clinton No2 Wharf	18.8
Fishermans Landing	10.1

\*Indicates new or revised entry.

**Chart temporarily affected - Aus 244 - Aus 245 - Aus 246.**

**223(T)/99 AUSTRALIA - QUEENSLAND - Gladstone - South Trees Inlet - Maintenance work completed;  
navigation restrictions revoked.**

*Former Notice - 663(T)/97 is cancelled  
DOTQ Notice 177/98 (98/8414). (AH 99/208)*

Cancel this notice on receipt.

**Chart formerly affected - Aus 246**

**224(T)/99 AUSTRALIA - QUEENSLAND - Gladstone - South Trees Inlet - Harbour works completed.**

*Former Notice - 669(T)/98 is cancelled  
DOTQ (99/2057). (AH 99/208)*

Cancel this notice on receipt.

**Chart formerly affected - Aus 244 - Aus 245 - Aus 246**

**225(T)/99 AUSTRALIA - QUEENSLAND - Townsville - Depth information.**

*Former Notice - 93(T)/99 is cancelled  
DOTQ Notice 105/99 (99/1703). (AH 99/252)*

Available depth of berth and channels as at 5 March 1999:

	<i>Metres</i>
* Sea Channel	11.6
* Platypus Channel	11.6
Outer Harbour:	
* Arrival Channel	7.7
* Departure Channel	11.1
* Berth No 11	11.5
Inner Harbour:	
Harbour	11.7
Berths:	
* No 1	12.1
No 2	12.0
No 3	12.0
* No 4	10.6
* No 7	11.0
* No 8	10.3
No 9	12.2
* No 10	9.9
* Between No7 and No8	10.9
* Between No9 and No10	10.6
Ross River Channel	1.6
Ross River	1.5
* Ross Creek	1.8

\*Indicates new or revised entry.

**Chart temporarily affected - Aus 256 - Aus 257.**

**226(T)/99 AUSTRALIA - QUEENSLAND - Mourilyan - Depth information.**

*Former Notice - 486(T)/98 is cancelled  
DOTQ Notice 109/99 (99/1759). (AH 99/251)*

Available depth as at 8 March 1999:

	<i>Metres</i>	
	<i>LAT</i>	<i>ISLW (Chart Datum)</i>
Departure Channel	9.6	10.0
Inner Channel	9.6	10.0
Swing Basin	6.7	7.1
* Sugar/Molasses Wharf	9.1	9.5

\*Indicates new or revised entry.

**Chart temporarily affected - Aus 829.**

**227(T)/99 AUSTRALIA - QUEENSLAND - Cape Grenville - Orton Island - Wreck.**

*Date* - Until further notice

DOTQ Notice 116/99 (99/1853). (AH 98/288)

The FV *Revally Star* has sunk in position 11° 59'.6 S 143° 14'.5 E.

**Chart temporarily affected - Aus 375 - Aus 835.**

**228(T)/99 AUSTRALIA - NORTHERN TERRITORY - Gove - Light beacon unlit.**

*Date* - Until further notice

HM Gove (99/1688). (AH 99/27)

The isolated danger light beacon (12° 12'.72 S 136° 41'.39 E) is unlit.

**Chart temporarily affected - Aus 15.**

**229(T)/99 WESTERN AUSTRALIA - Bunbury - Scientific instruments.**

*Date* - Until 5 July 1999

WNI Science & Engineering 2095 (99/1822). (AH 98/280)

A current meter, set 2 metres below the surface, exists in position 33° 23'.00 S 115° 36'.11 E and is marked by a light float, *Fl. 5s*.

Two current meters, set 2 metres below the surface, exist in position 33° 22'.68 S 115° 35'.12 E and are marked by a lit spar, *Fl. 5s*.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 115 - Aus 755.**

**230(T)/99 SOUTH AUSTRALIA - Port Noarlunga - Scientific instrument.**

*Date* - Until 27 February 2000

DOTSA Notice 7/99 (99/1819). (AH 98/149)

A scientific instrument, marked by special light buoy Q, exists in approx position 35° 11'.0 S 138° 18'.0 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 345 - Aus 780.**

**231(T)/99 AUSTRALIA - VICTORIA - Geelong - Dredging; light buoy.**

*Date* - Until 30 April 1999

Victorian Notice 15/99 (99/1997). (AH 99/209)

Grab Dredger *No 29*, assisted by Tug *Vulcan* and dumb barges, is conducting dredging operations at Corio Quay North & South and No 3 Bulk Grain Pier. The vessels can be contacted on VHF Ch 12.

Mariners are advised to navigate with caution in the area.

A special light buoy, *Fl. Y. 3s*, has been temporarily established at the inner harbour spoil ground in position 38° 06'.53 S 144° 24'.88 E.

**Chart temporarily affected - Aus 157.**

**232(T)/99 AUSTRALIA - VICTORIA - Port Phillip - Light buoy withdrawn.**

*Former Notice* - 678(T)/98 is cancelled

Victorian Notice 16/99 (99/1998). (AH 99/24)

Cancel this notice on receipt.

**Chart formerly affected - Aus 143 - Aus 155**

**233(T)/99 AUSTRALIA - Summer time.**

*Former Notice - 612(T)/98 is cancelled*

RAN Hydrographic Service. (AH 99/259)

Cancel this notice on receipt.

**234(T) TEMPORARY AND PRELIMINARY NOTICES.**

Former Notice - 70(T)/99 is cancelled  
 RAN Hydrographic Service (AH 99/253)

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
<b>NEW SOUTH WALES</b>		
		<i>Botany Bay</i>
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		<i>Brisbane Water</i>
<b>460/95</b>	Aus204 .....	Aids to navigation
<b>83/97</b>	Aus204 .....	Shoaling
		<i>Green Cape to Point Danger</i>
<b>89/99</b>	Aus197-806-807-808-810-812-813	Waverider and research buoys
		<i>Jervis Bay</i>
<b>658/97</b>	Aus193 .....	Light beacons; buoy
<b>382/98</b>	Aus193 .....	Light buoy
		<i>Port Jackson</i>
<b>247/98</b>	Aus200-202 .....	Foul area
		<i>Port Kembla</i>
<b>732/98</b>	Aus195 .....	Harbour works
<b>111/99</b>	Aus195 .....	Light buoys
		<i>Port Macquarie</i>
<b>659/97</b>	Aus220 .....	Buoy withdrawn
		<i>Tweed River</i>
<b>144/96</b>	Aus814 .....	Waverider buoy
<b>511/98</b>	Aus220-813-814 .....	Wreck
		<i>Twofold Bay</i>
<b>571/98</b>	Aus191 .....	Waverider buoy
<b>NORTHERN TERRITORY</b>		
		<i>Darwin</i>
<b>134/95</b>	Aus26-28 .....	Harbour works
<b>185/96</b>	Aus28 .....	Depth information
<b>141/99</b>	Aus26 .....	Obstruction; light buoys
<b>202/99</b>	Aus26-722 .....	Buoy off station
		<i>Gove</i>
<b>228/99</b>	Aus15 .....	Light beacon unlit
<b>QUEENSLAND</b>		
		<i>Abbot Point</i>
<b>46/95</b>	Aus255 .....	Depth information
		<i>Brisbane</i>
<b>113/99</b>	Aus220-235-236-237-238-241-364-365-424-426-813-814-817	Differential global positioning system
		<i>Brisbane River</i>
<b>506/97</b>	Aus237 .....	Dredging operations
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<b>227/99</b>	Aus375-835 .....	<i>Cape Grenville</i> Wreck
<b>294/98</b>	Aus256-827 .....	<i>Cape Pallarenda</i> Light beacon re-established; temporary light
<b>579/98</b>	Aus256-257 .....	<i>Cleveland Bay</i> Scientific instruments
<b>118/99</b>	Aus829.....	<i>Clump Point</i> Waverider buoy
<b>61/99</b>	Aus831 .....	<i>Cooktown</i> Light beacon destroyed
<b>356/98</b>	Aus372-373-830 .....	<i>Fitzroy Island</i> Obstructions
<b>576/98</b>	Aus246.....	<i>Gladstone</i> Light beacon destroyed; light buoy established
<b>769/98</b>	Aus241-243-244-245-246-247- 248-365-366-367-426-817- 818-819-820-822-4620-4621	Differential global positioning system
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<b>221/99</b>	Aus241 .....	<i>Great Sandy Strait</i> Light buoy
<b>664/97</b>	Aus249.....	<i>Hay Point</i> Depth information
<b>670/98</b>	Aus249-823 .....	Obstruction
<b>701/97</b>	Aus252-254-825 .....	<i>Hayman Island</i> Light beacon destroyed; light buoy
<b>605/98</b>	Aus258-259 .....	<i>Hinchinbrook Channel</i> Light buoys
<b>316/97</b>	Aus303.....	<i>Karumba</i> Beacon destroyed
<b>95/99</b>	Aus303.....	Light beacons; light buoys
<b>120/99</b>	Aus830-831 .....	<i>Low Isles</i> Waverider buoy
<b>518/94</b>	Aus259.....	<i>Lucinda</i> Depth information
<b>199/99</b>	Aus830.....	<i>Luger Passage</i> Buoys off station
<b>603/98</b>	Aus249-250-823 .....	<i>Mackay</i> Small craft harbour
<b>706/98</b>	Aus250.....	Depth information
<b>60/99</b>	Aus250.....	Harbour works
<b>575/98</b>	Aus235.....	<i>Mooloolah River</i> Obstruction
<b>140/99</b>	Aus235.....	Light beacon damaged
<b>322/98</b>	Aus237.....	<i>Moreton Bay</i> Light beacon destroyed; light buoy
<b>704/98</b>	Aus236.....	Jetty
<b>705/98</b>	Aus236-814 .....	Wreck
<b>163/99</b>	Aus236.....	Harbour works

<b>660/97</b>	Aus235-236-237-238-814	<i>Moreton Bay and Brisbane River</i> Depth information and keel clearances in channels
<b>226/99</b>	Aus829.....	<i>Mourilyan</i> Depth information
<b>609/98</b>	Aus303.....	<i>Norman River</i> Wharf
<b>193/99</b>	Aus818-819.....	<i>Pancake Creek</i> Wreck
<b>641/97</b>	Aus4-236-247-249-255-256-364-814-819-828-830-832	<i>Point Danger to Karumba</i> Waverecorder and research buoys
<b>578/98</b>	Aus247.....	<i>Port Alma</i> Depth information
<b>200/99</b>	Aus830.....	<i>Port Douglas</i> Light beacon destroyed
<b>771/98</b>	Aus250-826.....	<i>Queens Bay</i> Wreck
<b>703/98</b>	Aus814.....	<i>Southport</i> Dredging; channel closure; nav aids
<b>56/99</b>	Aus814.....	Shoaling
<b>186/99</b>	Aus814.....	Light beacon maintenance
<b>187/99</b>	Aus814.....	Dredging
<b>80/94</b>	Aus293-299.....	<i>Thursday Island</i> Depth information
<b>270/98</b>	Aus256-257.....	<i>Townsville</i> Shoaling
<b>225/99</b>	Aus256-257.....	Depth information
<b>470/97</b>	Aus830.....	<i>Upolu Reef</i> Sonar targets westward
<b>296/98</b>	Aus4.....	<i>Weipa</i> Depth information
<b>165/99</b>	Aus252-370-824.....	<i>Whitsunday Group</i> Beacon destroyed
<b>191/99</b>	Aus365-817.....	<i>Wide Bay Bar</i> Wreck
<b>SOUTH AUSTRALIA</b>		
<b>515/98</b>	Aus345-780-781.....	<i>Gulf of St Vincent</i> Obstructions
<b>593/97</b>	Aus120.....	<i>Nuyts Archipelago</i> Buoy off station
<b>200/97</b>	Aus781.....	<i>Port Gawler</i> Aquaculture site marked by light buoy
<b>326/95</b>	Aus134.....	<i>Port Lincoln</i> Mussel culture; light buoys
<b>448/95</b>	Aus134.....	Mussel culture; light buoys
<b>471/96</b>	Aus134-776.....	Fish farms
<b>230/99</b>	Aus345-780.....	<i>Port Noarlunga</i> Scientific instrument
<b>451/95</b>	Aus125.....	<i>Port Stanvac</i> Mussel culture; light buoys

<b>168/99</b>	Aus780-781 .....	<i>Port Vincent</i> Yachting buoys
<b>TASMANIA</b>		
<b>231/98</b>	Aus164.....	<i>Devonport</i> Dredging operations; beacons removed
<b>169/99</b>	Aus164.....	Dredging
<b>474/96</b>	Aus177.....	<i>Macquarie Harbour</i> Beacon destroyed
<b>339/97</b>	Aus167.....	<i>Port Dalrymple</i> Shoal depth
<b>TORRES STRAIT</b>		
<b>624/96</b>	Aus292-294.....	<i>Boat Channel</i> Light beacon destroyed; replaced by light buoy
<b>VICTORIA</b>		
<b>331/98</b>	Aus788.....	<i>Apollo Bay</i> Shoaling
<b>778/98</b>	Aus357A-358-422-423-445A	<i>Bass Strait</i> Oilfield
<b>204/99</b>	Aus357A-358-422-423-445A	Drill rig
<b>151/94</b>	Aus349-350-357-357A-422-445A-445B-789	<i>Cape Schanck</i> Differential Global Positioning System
<b>342/97</b>	Aus181.....	<i>Corner Inlet</i> Shoaling
<b>98/99</b>	Aus181-182-357-357A.....	<i>Drum Island</i> Light destroyed
<b>455/98</b>	Aus157.....	<i>Geelong</i> Depth information
<b>231/99</b>	Aus157.....	Dredging; light buoy
<b>333/98</b>	Aus182.....	<i>Gippsland Lakes</i> Shoaling
<b>651/98</b>	Aus182-357-357A-358.....	<i>Lakes Entrance</i> Waverider buoy relocated
<b>205/99</b>	Aus182.....	Dredging
<b>776/98</b>	Aus154.....	<i>Melbourne</i> Depth information
<b>289/97</b>	Aus181.....	<i>Port Albert</i> Light buoy unlit
<b>582/96</b>	Aus154.....	<i>Port Phillip</i> Light beacons moved, island constructed
<b>59/98</b>	Aus154.....	Bridge construction; vertical clearance
<b>362/98</b>	Aus143-158.....	Lights to be established
<b>394/98</b>	Aus143-155.....	Buoy
<b>420/98</b>	Aus157-158.....	Beacon destroyed
<b>456/98</b>	Aus154.....	Construction works; temporary light buoys; silt curtain
<b>489/98</b>	Aus154.....	Works in progress; light beacon
<b>516/98</b>	Aus154.....	Nav aids
<b>554/98</b>	Aus143-158.....	Light buoy; shoaling
<b>650/98</b>	Aus143-158.....	Light beacon destroyed; light buoy
<b>677/98</b>	Aus143-154-155-157-158	Ferry operations
<b>745/98</b>	Aus154.....	Light beacon
<b>774/98</b>	Aus143-157.....	Buoy off station
<b>97/99</b>	Aus157.....	Dredged depth
<b>143/99</b>	Aus143-158.....	Shoaling

<b>69/97</b>	Aus150-151 .....	<i>Western Port</i> Lights
<b>139/97</b>	Aus151-152 .....	Depth information
<b>WESTERN AUSTRALIA</b>		
<b>298/98</b>	Aus109 .....	<i>Albany</i> Wreck
<b>229/99</b>	Aus115-755 .....	<i>Bunbury</i> Scientific instruments
<b>418/98</b>	Aus747 .....	<i>Carnarvon</i> Dredging
<b>142/99</b>	Aus747 .....	Light buoys
<b>338/97</b>	Aus117 .....	<i>Cockburn Sound</i> Shoal depth marked by light buoy
<b>167/99</b>	Aus112-334-754 .....	<i>Cottesloe</i> Artificial reef
<b>124/99</b>	Aus327-415-741 .....	<i>Dampier Archipelago</i> Gas field
<b>419/98</b>	Aus751 .....	<i>Geraldton</i> Waverecorder
<b>323/97</b>	Aus112-753-754 .....	<i>Jurien Bay to Rottnest Island</i> Fishery research and waverecorder buoys
<b>49/95</b>	Aus325-326-327-328-415-416- 739-740-741-742-743	<i>Karratha</i> Differential global positioning system
<b>704/97</b>	Aus63-328-415-416-743	<i>Mary Anne Passage</i> Oil rig de-commissioned; temporary light established
<b>713/98</b>	Aus328-415-416 .....	<i>Montebello Islands</i> Scientific instruments northwestward
<b>672/98</b>	Aus327 .....	<i>North Rankin</i> Waverecorder
<b>203/99</b>	Aus329-744 .....	<i>North West Cape</i> Scientific instruments
<b>324/97</b>	Aus753 .....	<i>Point Louise</i> Waverecorder westward
<b>65/99</b>	Aus333-754 .....	<i>Rottnest Island</i> Fish aggregating devices westward
<b>714/98</b>	Aus743 .....	<i>Thevenard Island</i> Waverecorder
<b>711/98</b>	Aus326-327-415 .....	<i>Indian Ocean</i> Environmental data buoy
<b>712/98</b>	Aus327-415-741 .....	Environmental data buoy eastward
<b>675/98</b>	Aus330-331-332-333-334-335- 347-348-749-751-752-753- 754-755-756	<i>Western Australia, South Australia</i> Lobster fishery
<b>INDIAN OCEAN</b>		
<b>743/98</b>	Aus112-334-416-417-754- 4060-4070-4071-4708-4709	<i>Fremantle to Jakarta</i> Submarine cable

**PAPUA NEW GUINEA**

<b>106/98</b>	Aus683.....	<i>Bougainville Island</i> Buoyage
<b>674/96</b>	Aus628.....	<i>Goschen Strait</i> Buoy off station
<b>382/97</b>	Aus381-628-629-630 .....	Light destroyed
<b>488/98</b>	Aus378-502.....	<i>Gulf of Papua</i> Scientific instrument northwestward
<b>670/97</b>	Aus680.....	<i>New Britain</i> Siltation
<b>639/97</b>	Aus379-380-505-621-4620-4621	<i>Port Moresby</i> Beacon and racon destroyed
<b>201/99</b>	Aus388.....	<i>Vokedo Island to Manan Island</i> Scientific instruments

### III NAVIGATION WARNINGS

The following radio messages have been received during the period to 19 March 1999. 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 WARNINGS

- 079 Cancelled.
- 080 Cancelled.
- 081 Cancelled.
- 082 Cancelled.
- 083 NW Coast. Seismic survey vessel *Nordic Explorer* towing a 2.5M cable in area 19° 49' S to 20° 24' S and 116° 10' E to 116° 46' E.
- 084 Cancelled.
- 085 NW Coast. Drill rig *Ocean Epoch* in position 12° 59'.5 S 124° 11'.3 E; 2.5M clearance requested.
- 086 SE Coast. Drill rig *Sedco 702* in position 38° 32'.5 S 148° 33'.2 E in approaches to Bass Strait traffic separation scheme. 1.5M clearance requested. Southwest bound vessels using the traffic separation scheme should establish contact with *Sedco 702* on VHF channel 16 outside 10M and advise their intentions. Masters co-operation will reduce safety concerns on *Sedco 702*.
- 087 NW Coast. Seismic survey vessel *Geco Beta* towing a 3.0M cable in area 12° 43' S to 13° 47' S and 122° 17' E to 123° 58' E.
- 088 Cancelled.
- 089 Cancelled.
- 090 Cancelled.
- 091 SE Coast. Seismic survey vessel *Sea Challenger* towing a 2.5M cable in area 38° 15' S to 39° 16' S and 148° 45' E to 149° 30' E.
- 092 SE Coast. Whiptail wellhead buoy (38° 19'.3 S 147° 31'.1 E) and Mulloway wellhead buoy (38° 19'.2 E 147° 29'.0 E) temporarily withdrawn.
- 093 Cancelled.
- 094 Cancelled.
- 095 NW Coast. Drill rig *Sedco 703* in position 21° 29'.3 S 113° 58'.7 E; 2.5M clearance requested.
- 096 NW Coast. Drill rig *Ensco 56* in position 19° 54'.4 S 116° 24'.8 E; 2.5M clearance requested.
- 097 Cancelled.
- 098 SE Coast. Cape Schanck DGPS ALRS3156 (38° 30' S 144° 53' E) temporarily discontinued.
- 099 N Coast. Booby Island tide gauge ALRS4607 (10° 36' S 141° 54' E) unreliable
- 100 Cancelled.

#### NAVAREA X WARNINGS

- 016 PNG. Lumus Island light K3510.7 (2° 38'.0 S 150° 37'.7 E) unlit.
- 017 PNG. Underwater research by RV *Dolphin K* and RV *Natusima* daily during daylight in area 2° 30' S to 3° 15' E and 141° 40' E to 142° 40' E.
- 018 PNG. Cape Girgir light K3401.2 (3° 49'.5 S 144° 33'.5 E) unlit.
- 019 PNG. Hood Point light K3457 (10° 06'.3 S 147° 43'.2 E) unlit.
- 020 PNG. West Reef light K3456.7 (10° 21'.1 S 148° 41'.0 E) unlit.

#### Navigational warnings in force as at 181400UTC MAR 99.

##### Auscoast

1998 285 310.

1999 033 050 077 083 085 086 087 091 092 095 096 097 098 099.

##### Navarea X

1999 003 004 007 008 011 015 016 017 018 019 020.

#### Summary of mobile drilling rigs as at 181400UTC MAR 99.

Name	Position
Ocean Epoch	12° 59'.5 S 124° 11'.3 E
Ensco 56	19° 54'.4 S 116° 24'.8 E
Sedco 703	21° 29'.3 S 113° 58'.7 E
Sedco 702	38° 32'.5 S 148° 33'.2 E

## NAVAREA XIV WARNINGS

- 031 Cancelled.
- 032 Cancelled.
- 033 Cancelled.
- 034 Cancelled.
- 035 Cancelled.
- 036 Cancelled.
- 037 Chatham Islands. Pitt Island (Motutapu Point) light, Fl.(2) 15s, (K4548), (44° 14'S., 176° 13'W.) has been discontinued. New light, Flashing Two White every 15 seconds, elevation 125 metres, range 9 miles (K4549) established at Cape Fournier in position 44° 03'S., 176° 20'.0W.)
- 038 Cancelled.
- 039 Vanuatau. Discoloured water, with sand and mud bottom, reported in position 22° 11' S 171° 11' E.
- 040 New Zealand. Western approaches to Cook Strait. Seismic survey vessel *Geco Resolution* towing a 1.5M cable in area 39° 52' S to 40° 06' S and 173° 08' E to 173° 24' E.

**Navarea XIV warnings in force as at 180001UTC MAR 99.**

**1999 037 039 040**

**IV**

**HYDROGRAPHIC REPORTS**

Nil Reports