



Australian Notices to Mariners are the authority for correcting Australian Charts

# AUSTRALIAN NOTICES TO MARINERS

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Notices 491-519



Published fortnightly by the RAN Hydrographic Service

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Hydrographer, RAN

- SECTIONS.**
- I. Australian Notices to Mariners.**
  - 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.**
- Blocks included after Section VI.**

*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 HYDROGRAPHER, RAN, 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 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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## NUMERICAL INDEX OF CHARTS AFFECTED

**Edition No 18**

*28 August 1998*

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491.....	Aus 721, Aus 61103, Aus 61104
492.....	Aus 220
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519(T).....	Aus 182

**491 AUSTRALIA - Publications.**

RAN Hydrographic Service (98/12210). (AH 17/3)

**(1) Miscellaneous new chart**

<i>Chart</i>	<i>Published</i>	<i>Title</i>	<i>Scale</i>	<i>Issue</i>
Aus 61103	17-7-1998	East Australia Exercise Area General Operations Plot	1:650 000	One

**(2) Miscellaneous new edition**

<i>Chart</i>	<i>Published</i>	<i>Title</i>	<i>Scale</i>	<i>Issue</i>
Aus 61104	3-7-1998	West Australia Exercise Area General Operations Plot	1:500 000	Seven

**(3) . New edition to be published shortly**

<i>Chart</i>	<i>Title</i>	<i>Scale</i>
Aus 721	Australia - North Coast - Northern Territory - Port Essington to Snake Bay	1:150 000

**492\* AUSTRALIA - NEW SOUTH WALES - Tweed River - Buoy.**  
Waterways (98/12251). (AH 61/8)

**Aus 220 (plan, Tweed River Entrance) [463/98]**

Substitute starboard lateral conical buoy, without topmark, for  
starboard lateral beacon

28° 11'.24 S

153° 33'.06 E

**493\* AUSTRALIA - QUEENSLAND - Hervey Bay - Light beacon.**

*Former Notice* - 493(T)/96 is cancelled

List of Lights Vol K/98 -- 2938.60

DOTQ Notice 255/98 (98/12793). (AH 58/78)

**Aus 241 [405/98]**

Move safe water light beacon  
to

25° 08'.85 S	152° 50'.05 E
25° 08'.88 S	152° 50'.07 E

**494\* AUSTRALIA - QUEENSLAND - Gladstone - Golding Cutting - Light beacons.**

Former Notice - 167(P)/98 is cancelled

List of Lights Vol K/98 -- 2973.82,2974.30,2979.80

DOTQ Notices 256 & 264/98 (98/12793 & 13091). (AH 58/78)

**Aus 245 [448/97]**

Amend	special light beacon to <i>Dir Q &amp; Fl. Y. 4s</i>	23° 53'.41 S	151° 21'.90 E
Insert	light beacon, <i>Dir Iso. 2s &amp; Fl. R. 4s GB2</i> pecked line from the light at (a) in a direction 122° 24' 3050 metres, with legend 302° 24'	(a) 23° 52'.865 S	151° 20'.950 E

**Aus 246 [208/97]**

Amend	special light beacon to Q. Y	23° 55'.62 S	151° 28'.53 E
		23° 55'.81 S	151° 26'.68 E
	special light beacon to <i>Dir Q &amp; Fl. Y. 4s</i>	23° 53'.41 S	151° 21'.90 E
Insert	special light beacon, <i>Fl. Y. 4s SB18</i>	23° 55'.839 S	151° 25'.894 E
	special light beacon, <i>Fl. Y. 4s SB22</i>	23° 55'.257 S	151° 24'.895 E
	special light beacon, <i>Fl. Y. 4s SB26</i>	23° 54'.676 S	151° 23'.900 E
	light beacon, <i>Dir Iso. 2s &amp; Fl. R. 4s GB2</i>	(a) 23° 52'.865 S	151° 20'.950 E
	pecked line from the light at (a) in a direction 122° 24' 5000 metres, thence a firm line for 5400 metres, with legend 302° 24'		

**495\* AUSTRALIA - CORAL SEA - Malay Reef - Rock.**  
RAN Hydrographic Office (98/13261). (AH 77/126)

**Aus 4620 [468/98]**

Delete underwater rock

18° 00' S

149° 00' E

**496\* AUSTRALIA - TORRES STRAIT - Bligh Entrance - Preferred route.**  
RAN Hydrographic Office (98/12792). (AH 70/116)

**Aus 840** [210/98]

Amend legend to 056° 15' - 236° 15'

9° 15'.0 S

143° 49'.0 E

**497\* PAPUA NEW GUINEA - Bougainville Island - Anewa Bay - Tower; beacons.**  
HMAS *Tobruk* (98/5272). (AH 95/17)

**Aus 683 (plan, Approaches to Kieta Bay and Anewa Bay) [375/98]**

Delete tower (408) 6° 11'.00 S 155° 32'.43 E

**Aus 683 (plan, Anewa Bay)**

Delete Kerekerina Point light (a) 6° 11'.5 S 155° 33'.5 E  
tower (408) 297° - 2000 metres from light at (a)  
beacon 259° - 1100 metres from light at (a)  
beacon 257° - 1030 metres from light at (a)

**498\* AUSTRALIA - TIMOR SEA - Flat Top Bank - Depths.**

*Former Notice - 373(T)/97 is cancelled  
HMAS Moresby (98/12328). (AH 63/126)*

**Aus 309 [72/98]**

Insert accompanying block

12° 15' S

129° 20' E

**Aus 316 [41/98]**

Insert accompanying block

12° 22' S

129° 20' E



**499\* WESTERN AUSTRALIA - King Sound - Mary Island North - Mooring buoys.**  
DOTWA (98/13236) & Carpentaria Marine (98/12687). (AH 64/84)

**Aus 45 [117/98]**

Insert lit mooring buoy, Q. Y

17° 12'.25 S 123° 31'.88 E  
17° 12'.88 S 123° 32'.28 E

**Aus 733 [117/98]**

Insert lit mooring buoy, Q. Y

17° 12'.23 S 123° 31'.98 E  
17° 12'.86 S 123° 32'.38 E

Delete depth 5<sub>3</sub> m

17° 12'.8 S 123° 32'.3 E

**500\* WESTERN AUSTRALIA - Denham - Light beacons.**

List of Lights Vol K/98 -- 1733.00

DOTWA (98/12791). (AH 68/78)

**Aus 331 [411/98]**

Amend light range to, 3M

25° 56'.2 S

113° 30'.8 E

**Aus 748 [411/98]**

Amend light range to, 3M

25° 56'.3 S

113° 30'.7 E

Insert starboard lateral light beacon, *Fl. G. 4s 2M*, with topmark

25° 56'.19 S

113° 31'.29 E

**Aus 749 [411/98]**

Amend light range to, 3M

25° 56'.3 S

113° 30'.7 E

Insert starboard lateral light beacon, *Fl. G. 4s 2M*, with topmark

25° 56'.19 S

113° 31'.29 E

**501\* WESTERN AUSTRALIA - Princess Royal Harbour - Vancouver Peninsula - Depth.**  
RAN Hydrographic Office (98/13262). (AH 68/126)

**Aus 109** [412/98]

Substitute depth,  $0_1$  m, for  $0_1$  m

35° 03'.99 S

117° 55'.28 E


**502\* AUSTRALIA - VICTORIA - Portland - Port limits; pilot boarding place; anchorage areas.**

HM Portland (AH 59/107)

**Aus140 (plan, Portland) [242/98]**

Insert	magenta pecked line, with legend <i>Portland Port Limit</i> , between	38° 21'.550 S	141° 37'.380 E
		38° 21'.550 S	141° 39'.017 E
	magenta pecked line, with legend <i>Portland Port Limit</i> , between	38° 19'.383 S	141° 37'.344 E
		38° 19'.980 S	141° 36'.570 E
	anchorage area between	38° 20'.703 S	141° 36'.570 E
		38° 19'.383 S	141° 38'.500 E
		38° 20'.000 S	141° 38'.500 E
		38° 20'.000 S	141° 39'.017 E
	explosive anchorage, with swinging circle of 100 metres quarantine anchorage area between	38° 19'.55 S	141° 37'.60 E
		38° 20'.750 S	141° 39'.017 E
		38° 20'.750 S	141° 38'.500 E
		38° 21'.550 S	141° 38'.500 E
		38° 21'.550 S	141° 39'.017 E
		38° 20'.767 S	141° 37'.115 E
	pipeline between	38° 20'.786 S	141° 37'.322 E
		38° 20'.748 S	141° 37'.400 E
	pipeline between	38° 20'.751 S	141° 37'.430 E
		38° 20'.789 S	141° 37'.364 E
	pipeline between	38° 20'.800 S	141° 37'.387 E
		38° 20'.808 S	141° 37'.390 E
	pipeline between	38° 20'.800 S	141° 37'.387 E
		38° 20'.790 S	141° 37'.394 E
	firm line between	38° 20'.997 S	141° 36'.757 E
		38° 20'.991 S	141° 36'.727 E
		38° 21'.020 S	141° 36'.715 E
		38° 19'.38 S	141° 37'.18 E
	pecked line between	38° 19'.58 S	141° 37'.43 E
		38° 19'.87 S	141° 37'.06 E
		38° 19'.58 S	141° 36'.70 E
		38° 19'.38 S	141° 36'.95 E
Delete	pilot boarding place legend Reclamation in Progress (1988) centred on pecked line between	38° 19'.70 S	141° 38'.73 E
		38° 21'.14 S	141° 36'.79 E
		38° 19'.38 S	141° 37'.98 E
		38° 20'.09 S	141° 37'.04 E
		38° 19'.62 S	141° 36'.48 E
	magenta pecked line, with legend Quarantine Limit, between	38° 19'.38 S	141° 36'.88 E
		38° 21'.55 S	141° 37'.38 E
		38° 19'.38 S	141° 37'.38 E

**Aus 786 [242/98]**

Insert	magenta pecked line, with legend <i>Portland Port Limit</i> , between	38° 21'.55 S	141° 37'.38 E		
		38° 21'.55 S	141° 39'.50 E		
		38° 19'.30 S	141° 39'.50 E		
		38° 19'.30 S	141° 37'.44 E		
		38° 19'.98 S	141° 36'.57 E		
		38° 20'.70 S	141° 36'.57 E		
			anchorage area between	38° 19'.3 S	141° 39'.5 E
				38° 19'.3 S	141° 38'.5 E
				38° 20'.0 S	141° 38'.5 E
				38° 20'.0 S	141° 39'.5 E
			quarantine anchorage area between	38° 20'.750 S	141° 39'.500 E
				38° 20'.750 S	141° 38'.500 E
				38° 21'.550 S	141° 38'.500 E
				38° 21'.550 S	141° 39'.500 E
	accompanying note	38° 18'.5 S	142° 27'.5 E		
Move	pilot boarding place to	38° 19'.70 S	141° 38'.73 E		
		38° 20'.17 S	141° 39'.14 E		
Delete	pecked line, with legend  Pil Ground, centred on magenta pecked line, with legend Quarantine Limit, between	38° 19'.2 S	141° 37'.4 E		
		38° 21'.55 S	141° 37'.38 E		
		38° 18'.15 S	141° 37'.38 E		



**503\* AUSTRALIA - TASMANIA - Sandy Bay - Light.**  
RAN Hydrographic Office (98/13260). (AH 69/78)

**Aus 172 [288/98]**

Insert *On certain copies only*  
light characteristic, *F. R*

42° 54'.05 S      147° 19'.97 E

**504\* AUSTRALIA - VICTORIA - Port Phillip - Queenscliff - Light.**

List of Lights Vol K/98 -- 2206.00

VCA (98/12209) & DG Sadler (98/10780). (AH 66/78)

**Aus143 (plan, The Rip) [445/98]**

Delete light arc of visibility

38° 16'.20 S

144° 40'.02 E

**505\* AUSTRALIA - VICTORIA - Port Phillip - South Channel - Beacons.**  
VCA (98/12209). (AH 66/9)

**Aus 143 [504/98]**

Substitute beacon for pile

38° 18'.4 S 144° 46'.4 E

38° 19'.2 S 144° 49'.5 E

Delete pile

38° 19'.6 S

144° 51'.6 E

**Aus 158 [317/98]**

Substitute beacon for pile

38° 18'.45 S

144° 46'.40 E

38° 19'.20 S

144° 49'.50 E

Delete pile

38° 19'.68 S

144° 51'.47 E

**506\* AUSTRALIA - VICTORIA - Lighthouse Point - Light.**  
RAN Hydrographic Office (98/13976). (AH 59/78)

**Aus 357 [153/98]**

*On certain copies only*

Amend light characteristic to *Fl. 5s 17M & Dir Fl. WRG. 3s 9M*

38° 50'.3 S

146° 28'.3 E

**507\* AUSTRALIA - VICTORIA - Port Albert Channel - Rock.**  
RAN Hydrographic Office (98/13235). (AH 59/126)

**Aus 182 (plan, Approaches to Port Albert) [447/98]**  
Delete underwater rock

38° 44'.74 S 146° 40'.38 E

**508 NEW ZEALAND - North Island - Hauraki Gulf - Anchorite Rock - Depth.**

NZ Notice 28/239/98 (98/13393). (AH 87/126)

**Aus 4601 (INT 601) [413/98]**

Substitute depth, 16m, for 18m

36° 26'.0 S

175° 08'.0 E

**509(T)/98 AUSTRALIA - NEW SOUTH WALES - Newcastle - Depth information.***Former Notice - 460(T)/97 is cancelled*

Newcastle Port Corporation (98/13392). (AH 61/22)

Depths at wharves and in channels as at 7 July 98

<i>Berth</i>	<i>Berth No</i>	<i>Metres</i>
Tug Berth	1	5.3
Tug Berth	2	5.4
* Tug Berth	3	5.3
* Tug Berth	4	7.1
Merewether Street West		7.0
Fishermen's Co-op Wharf		4.1
* Lee Wharf	5	8.7
* Throsby	1	10.6
* Western Basin	1	8.4
Western Basin	3	11.6
Western Basin	4	12.0
* Eastern Basin	1	11.8
Eastern Basin	2	11.1
* Dockyard	4	8.3
* Dyke	1	12.5
* Dyke	2	12.8
* Dyke	4	16.1
* Dyke	5	15.8
* Dyke	6	7.1
* BHP Wharf	2	9.2
* BHP Wharf	3	9.2
* BHP Wharf	4	7.4
* BHP Wharf	5	<i>Dredging</i>
BHP Wharf	6	7.0
* Kooragang	2	10.8
* Kooragang	3	13.2
* Kooragang	4	16.1
Kooragang	5	16.5
* Kooragang Ship Reival	KSR	8.0
<i>Channels</i>		<i>Metres</i>
* Entrance Channel to Horseshoe		15.2
Basin Cut		12.7
* Basin Area to 4 & 5 Lee		9.4
* Basin Area to 1 Throsby		10.3
Basin Area to Eastern & Western Basin Berths		12.6
Stockton Crossing		4.0
Steelworks Channel to Swinging Basin		15.2
* Swing Basin		15.1
Swinging Basin to BHP		12.4
* Carrington Basin Area (for vessels in excess of 250 metres)		10.0
* Indicates new or revised entry.		

**Chart temporarily affected - Aus 208.**

**510(T)/98 AUSTRALIA - NEW SOUTH WALES - Coffs Harbour - Scientific instruments.**

*Date* - Until 31 October 1998

Lawson & Treloar Pty Ltd (98/13088). (AH 61/123)

Unmarked current meters have been deployed in the following positions:

30° 19'.14 S 153° 09'.47 E

30° 20'.41 S 153° 08'.48 E

Mariners should navigate with caution in the area.

**Chart temporarily affected - Aus 220 - Aus 812.**

**511(T)/98 AUSTRALIA - NEW SOUTH WALES - Tweed River - Wreck.**

*Date* - Until further notice

Environment Australia (98/13978). (*AH 61/150*)

The wreck of FV *Idaho* exists in position 28° 10'.22 S 153° 33'.81 E.

**Chart temporarily affected - Aus 220 - Aus 813 - Aus 814.**

**512(T)/98 AUSTRALIA - QUEENSLAND - Repulse Bay - Wreck salvaged.**

*Former Notice - 385(T)/98 is cancelled*

DOTQ Notice 265/98 (98/385/98). (AH 58/150)

Cancel this notice on receipt.

**Chart formerly affected - Aus 252 - Aus 370 - Aus 824**

**513(T)/98 AUSTRALIA - QUEENSLAND - Abel Point - Obstruction.**

*Date* - Until further notice

DOTQ Notice 269/98 (98/13254). (*AH 58/126*)

An obstruction, least depth *2 metres*, exists in position  $20^{\circ} 15'.785$  S  $148^{\circ} 42'.628$  E.

**Chart temporarily affected - Aus 252.**

**514(T)/98 AUSTRALIA - QUEENSLAND - Karumba - Dredged depth restored.**

*Former Notice - 335(T)/97 is cancelled*

DOTQ Notice 267/98 (98/13254). (70/22)

Cancel this notice on receipt.

**Chart formerly affected - Aus 303**

**515(T)/98 SOUTH AUSTRALIA - Gulf of St Vincent - Obstructions.**

*Former Notice - 392(T)/98 is cancelled*

Lads Corp (98/13532). (AH 71/126)

Obstructions, 2 metres in height, exist in the following positions:

34° 43'.36 S 138° 14'.30 E

34° 41'.02 S 138° 18'.92 E

34° 39'.84 S 138° 21'.27 E

Mariners should navigate with caution in the area.

**Chart temporarily affected - Aus 345 - Aus 780 - Aus 781.**

**516(P)/98 AUSTRALIA - VICTORIA - Port Phillip - Melbourne - Webb Dock - Nav aids.**

Victorian Notices 45 & 47/98 (98/13255 & 13807). (AH 66/78)

1. A new directional light, *Dir F. WRG*, will be established in position 37° 50'.84 S 144° 54'.32 E, with sectors as follows:

*Green* 322° 38'.5 to 323° 20'.5 (0.7°)

*White* 323° 20'.5 to 325° 35'.5 (2.25°)

*Red* 325° 35'.5 to 326° 59'.5 (1.4°)

2. Port lateral light beacon No 86 (37° 50'.71 S 144° 54'.38 E) will moved to 37° 50'.84 S 144° 54'.46 E.

3. The following nav aids will be discontinued:

<i>Nav aid</i>	<i>Lat S</i>	<i>Long E</i>
Daymark	37° 50'.84	144° 54'.32
	37° 50'.66	144° 54'.16
	37° 50'.52	144° 54'.03
Leading Light	37° 50'.83	144° 54'.36
	37° 50'.72	144° 54'.25
Light	37° 50'.81	144° 54'.38

**Chart which will be affected - Aus 154.**

**517(T)/98 AUSTRALIA - VICTORIA - Western Port - Racon.**

*Date* - Until further notice

Victorian Notice 48/98 (98/14016). (AH 59/121)

The fairway buoy racon (38° 30'.21 S 145° 05'.35 E) is unservicable.

**Chart temporarily affected - Aus 150 - Aus 151 - Aus 801.**

**518(T)/98 AUSTRALIA - VICTORIA - Lakes Entrance - Waverider.**

*Date* - Until further notice

Victorian Notice 49/98 (98/14393). (*AH 59/123*)

A lit waverider buoy, *Fl(5) Y. 20s*, exists in position 37° 54'.19 S 147° 58'.09 E.

Mariners are not to use the buoy as a mooring and should navigate with caution in the area.

**Chart temporarily affected - Aus 182 - Aus 357 - Aus 357A - Aus 358.**

**519(T)/98 AUSTRALIA - VICTORIA - Lakes Entrance - Cunninghame Arm - Dredging completed.**

*Former Notice - 490(T)/98 is cancelled*

Victorian Notice 46/98 (98/13549). (*AH 49/22*)

Cancel this notice on receipt

**Chart formerly affected - Aus 182**

**III**  
**NAVIGATION WARNINGS**

The following radio messages have been received during the period to 14 August 1998. 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 X WARNINGS**

- 201 NW Coast. Drill rig *Sedco 702* in position 19° 27'.0 S 116° 29'.2 E. 2.5nm clearance requested.
- 202 Cancelled.
- 203 Cancelled.
- 204 Cancelled.
- 205 NW Coast. Drill rig *Ron Tappmeyer* in position 20° 08'.3 S 116° 25'.3 E. 2.5nm clearance requested.
- 206 Cancelled.
- 207 Cancelled.
- 208 SE Coast. Seismic survey vessel *Canning Tide* towing 1.5 nm cable in area 38° 26' S to 38° 35' S and 148° 19' E to 148° 37' E.
- 209 Cancelled.

**NAVAREA X WARNINGS**

- 015 Cancelled.
- 016 Cancelled.
- 017 PNG. Fortification Point light K3405.4 (6° 20'.0 S 147° 49'.0 E) unlit.
- 018 Timor Sea. Seismic survey vessel *Acadian Searcher* towing 3.5 nm cable in area 11° 00' S to 12° 40' S and 122° 30' E to 124° 40' E.

**Navigational warnings in force as at 131400UTC AUG 98.**

**Auscoast**

**1998** 087 185 193 196 198 199 200 201 205 208.

**Navarea X**

**1998** 017.

**Summary of mobile drilling rigs as at 131400UTC AUG 98.**

Name	Position
Ocean Bounty	10° 11'.2 S 128° 52'.3 E
Sedco 703	10° 36'.0 S 126° 00'.0 E
Ocean Epoch	10° 45'.0 S 125° 56'.2 E
Ocean General	13° 30'.2 S 123° 32'.1 E
Atwood Southern Cross	19° 15'.0 S 116° 38'.1 E
Sedco 702	19° 27'.0 S 116° 29'.2 E
Ron Tappmeyer	20° 08'.3 S 116° 25'.3 E
Stena Clyde	20° 31'.0 S 114° 48'.0 E
Northern Explorer III	39° 57'.8 S 145° 15'.3 E

**NAVAREA XIV WARNINGS**

- 145 Cancelled.
- 146 Cancelled.
- 147 Cancelled.
- 148 Fiji. Beqa light K4694 18° 24' S 178° 10' E and Udu Point light K4748 (16° 07' S 179° 57' W) unlit.
- 149 Cancelled.
- 150 Cancelled.
- 151 Cook Islands. 16 metre sailing vessel, maroon hull, 2 POB, unreported from French Polynesia to Bora.
- 152 Cancelled.
- 153 Cancelled.
- 154 Cancelled.
- 155 Cancelled.

**Navarea XIV warnings in force as at 130001UTC AUG 98.**

131 148 151.

IV

HYDROGRAPHIC REPORTS

<i>Locality</i>	<i>Report</i>	<i>Ship/Authority</i>	<i>Observer</i>
FIJI- Vanua Levu	Tanks Jetty	MV <i>Pacific Explorer</i>	B Keane

*To accompany Australian Notice to Mariners 502/98*

OMISSIONS FROM CHART

Certain details have been omitted from this chart.  
For details see the larger scale chart and Admiralty  
Sailing Directions.

*Note for chart Aus 786*

|-----50mm-----|