



Australian Notices to Mariners are the authority for correcting Australian Charts

AUSTRALIAN NOTICES TO MARINERS

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Notices 35-70

Temporary and Preliminary Notice to Mariners in force

Published fortnightly by the Australian Hydrographic Office

R. J. WILLIS,
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 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 1

8 January 1999

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35 AUSTRALIA - Publications - New edition to be published shortly.
HO RAN (98/21868). (AH17/3)

Chart	Title	Scale
Aus 601 (INT 9021)	Australian Antarctic Territory - Wilkes Land - Approaches to Casey Plan Newcomb Bay	1:50 000 1:12 500

36 AUSTRALIA - Publication - Amendment to Australian National Tide Tables.
HO RAN (98/21575). (AH 97/100)

1. Amendment to ANTT 1999

Page 266 55630 Delami I *replace by*
55630 Delami I +0013 2.6 2.1 1.3 1.2 1.1 0.3 *d*

Page 280 62593 Imperieuse Reef *replace by*
62593 Imperieuse Reef -0329 8.7 5.3 3.5 3.3 3.1 1.3 *d*

Page 288 Delami I amend ZO to 1.20

Page 350 Imperieuse Reef amend ZO to 3.31

Page 300 58073 Poll I harmonic constants *replace by*

	<i>H ampl</i>	<i>g phase^o</i>
	<i>metres</i>	
M2	0.595	347.7
S2	0.521	332.4
K1	0.434	212.7
O1	0.193	160.5
Sa	0.042	35.7
Ssa	0.053	63.5
Mm	0.009	143.5
Msf	0.011	70.6
S1	0.014	49.1
Q1	0.039	140.7
P1	0.125	209.3
N2	0.211	329.9
NU2	0.034	336.8
K2	0.133	326.6
L2	0.028	238.3
2N2	0.028	330.4
MU2	0.048	308.2
T2	0.034	315.7
M4	0.009	356.9
MS4	0.010	113.0
2MS6	0.005	137.3

2. Amendment to ETT 1999

Due to the error in MSL for Delami Island mariners have to use predictions for Ava Point for this area.

37* AUSTRALIA - NEW SOUTH WALES - Botany Bay - Sutherland Point - Light beacon.
Sydney Port Corp Notice 26/98 (98/21704). (AH 61/78)

Aus 198 [750/98]

Insert light beacon, *Fl.* 2s 34° 00'.199 S 151° 13'.124 E

Delete light beacon 33° 59'.47 S 151° 12'.21 E
depth 2, m 34° 00'.20 S 151° 13'.15 E

Aus 199 [749/98]

Insert light beacon, *Fl.* 2s 34° 00'.109 S 151° 13'.184 E

Delete light beacon 33° 59'.38 S 151° 12'.27 E

38* AUSTRALIA - QUEENSLAND - Moreton Bay - Mud Island - Light buoy.
DOTQ (98/21606). (AH 62/80)

Aus 236 [720/98]

Substitute isolated danger cylindrical light buoy, *F(2) 8s*, with
topmark, for isolated danger spar light buoy

27° 19'.72 S

153° 14'.27 E

39* AUSTRALIA - QUEENSLAND - Gladstone - Dredged channels.
 DOTQ Notice 260/98 (98/12887). (AH 58/22)

Aus244 (plan, South Trees Point) [500/97]

Insert	pecked line between	23° 51'.568 S	151° 19'.896 E
		23° 51'.568 S	151° 20'.061 E
	legend, 16.3m	23° 51'.58 S	151° 20'.00 E
Delete	legend, Gatcombe Channel, centred on	23° 51'.45 S	151° 19'.90 E

Aus 245 [494/98]

Amend	maintained depth to 16.3m	23° 52'.55 S	151° 21'.12 E
Insert	pecked line between	23° 51'.568 S	151° 19'.896 E
		23° 51'.568 S	151° 20'.061 E
	legend, <i>Maintained Depth 15.8m</i> , centred on	23° 51'.3 S	151° 19'.4 E

Aus 246 [494/98]

Amend	maintained depth to 16.3m	23° 54'.58 S	151° 29'.85 E
		23° 55'.90 S	151° 27'.30 E
		23° 54'.18 S	151° 23'.55 E
		23° 52'.15 S	151° 20'.75 E
Insert	pecked line between	23° 56'.06 S	151° 26'.49 E
		23° 54'.28 S	151° 23'.47 E
	pecked line between	23° 56'.07 S	151° 26'.32 E
		23° 54'.37 S	151° 23'.41 E
	pecked line between	23° 51'.57 S	151° 19'.09 E
		23° 51'.57 S	151° 20'.06 E
	legend, <i>Maintained depth 7.3m</i> , centred on	23° 55'.2 S	151° 25'.0 E
	legend, <i>Maintained depth 15.8m</i> , centred on	23° 51'.3 S	151° 19'.4 E

40* AUSTRALIA - QUEENSLAND - Lucinda - Light buoy; beacons.
DOTQ Notice 428/98 (98/21702). (AH 58/80,9)

Aus 259 [562/98]

Delete	special beacon	18° 30'.02 S	146° 20'.81 E
		18° 30'.32 S	146° 20'.60 E
		18° 30'.80 S	146° 20'.28 E

Aus259 (plan, Port of Lucinda)

Insert	special cylindrical light buoy, Fl. Y. 3s, with topmark	18° 30'.740 S	146° 18'.888 E
	port lateral beacon, with topmark	18° 30'.820 S	146° 18'.886 E
		18° 30'.905 S	146° 18'.842 E
		18° 31'.024 S	146° 18'.831 E

Delete	legend (marked by buoys and beacons) centred on	18° 30'.95 S	146° 18'.85 E
	special beacon	18° 30'.02 S	146° 20'.81 E
		18° 30'.32 S	146° 20'.60 E
		18° 30'.80 S	146° 20'.28 E
	beacon	18° 31'.28 S	146° 19'.34 E
	depth 0 ₁ m	18° 30'.91 S	146° 18'.84 E

41* AUSTRALIA - QUEENSLAND - Turtle Head Island - Shoal.
SV Evanna (98/21929). (AH 57/126)

Aus 839 [626/98]

Insert danger line between

10° 57'.45 S	142° 42'.35 E
10° 57'.55 S	142° 42'.00 E
10° 57'.50 S	142° 41'.60 E

42* AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm - Wharf.
Darwin Port Authority (98/21917) (98/327)

Aus 26 [757/98]

Insert [accompanying block](#)

12° 30' S

130° 53' E

Aus 28 (plan, East Arm) [727/98]

Insert [accompanying block](#)

12° 30' S

130° 53' E

43* AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm - Wrecks; mooring buoys.

Darwin Port Authority (98/20210 & 98/22261). (AH 98/289, 60/84)

Aus 28 (plan, Port Darwin) [42/99]

Delete	mooring buoy	12° 28'.40 S	130° 51'.42 E
		12° 28'.40 S	130° 51'.61 E
		12° 28'.52 S	130° 51'.61 E

Aus28 (plan, East Arm)

Insert	dangerous wreck	12° 30'.60 S	130° 53'.79 E
		12° 30'.60 S	130° 54'.26 E
		12° 29'.72 S	130° 54'.66 E

Delete	mooring buoy	12° 28'.40 S	130° 51'.42 E
		12° 28'.40 S	130° 51'.61 E
		12° 28'.52 S	130° 51'.61 E
		12° 28'.44 S	130° 51'.75 E
		12° 28'.50 S	130° 51'.85 E
		12° 28'.62 S	130° 51'.79 E

44* AUSTRALIA - TIMOR SEA - Sahul Bank - Depths.
LADS (HI 235) (98/21889). (AH 63/126)

Aus 312 [695/98]

Insert	depth, 12 ₉ m, enclosed by contour	10° 41'.89 S	126° 19'.96 E
	depth, 20 ₁ m, and extend 30m contour SE to enclose	10° 42'.68 S	126° 20'.52 E
	depth, 17 ₁ m, and extend contour E to enclose	10° 45'.46 S	126° 11'.69 E

Substitute	depth, 21 ₄ m, for 23m	10° 43'.5 S	126° 17'.9 E
	depth, 13 ₈ m, for 15 ₁ m	10° 42'.4 S	126° 14'.2 E

Delete	depth 21m	10° 42'.0 S	126° 20'.4 E
	depth 12 ₈ m Rep (1983) and enclosing contour	10° 40'.7 S	126° 19'.6 E
	depth 24m	10° 45'.7 S	126° 11'.4 E

Aus 4603 (INT 603) [759/98]

Substitute	contour for danger circle centred on depth 13m	10° 41' S	126° 20' E
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45 INDONESIA - Flores - P Sabolan - Light.
Indonesian Notice 42/374/98 (98/21543). (AH 80/78)

Aus 414 [634/98]
Insert light, Fl. 11M

8° 23'.5 S 119° 47'.9 E

46* WESTERN AUSTRALIA - Long Island - Rocks.C Roberts & MV *Coral Princess* (98/21923) (AH 63/126)**Aus 318 [377/98]**

Insert	drying rock, enclosed by danger circle, with legend <i>Rep</i> (1998)	13° 57'.7 S	126° 17'.0 E
Delete	depth 16 ₄ m	13° 57'.5 S	126° 17'.0 E

Aus 319 [341/98]

Insert	drying rock, enclosed by danger circle, with legend <i>Rep</i> (1998)	13° 57'.7 S	126° 17'.0 E
Delete	depth 16 ₄ m	13° 57'.5 S	126° 17'.0 E

Aus 727 [377/98]

Insert	drying rock, enclosed by danger circle, with legend <i>Rep</i> (1998)	13° 57'.7 S	126° 17'.0 E
	above water rock, height 0.6m	13° 58'.2 S	126° 20'.9 E

Aus 728 [496/97]

Insert	drying rock, enclosed by danger circle, with legend <i>Rep</i> (1998)	13° 57'.7 S	126° 17'.0 E
	above water rock, height 0.6m	13° 58'.2 S	126° 20'.9 E

47* WESTERN AUSTRALIA - Bigge Island - Rocks.

C Roberts & MV *Coral Princess* (98/21923). (AH 63/126)

Aus 320 [116/98]

Insert	dangerous underwater rock, enclosed by danger line, with legend <i>Rep</i> (1998)	14° 27'.5 S	125° 16'.3 E
	danger line, of 0.2nm width, between islands and danger line	14° 29'.5 S	125° 14'.6 E
		14° 30'.6 S	125° 14'.4 E
		14° 31'.2 S	125° 14'.2 E
	drying rock, enclosed by danger line, with legend <i>Rep</i> (1998)	14° 30'.2 S	125° 14'.1 E

Aus 729 [116/98]

Insert	dangerous underwater rock, enclosed by danger line, with legend <i>Rep</i> (1998)	14° 27'.5 S	125° 16'.3 E
	danger line, of 0.2nm width, between islands and danger line	14° 29'.5 S	125° 14'.6 E
		14° 30'.6 S	125° 14'.4 E
		14° 31'.2 S	125° 14'.2 E
	drying rock, enclosed by danger line, with legend <i>Rep</i> (1998)	14° 30'.2 S	125° 14'.1 E

48* WESTERN AUSTRALIA - Mictyis Island - Rocks.

C Roberts & MV *Coral Princess* (98/21870). (AH 64/126)

Aus 320 [47/99]

Insert	drying rock and extend danger line SW to enclose	15° 13'.3 S	124° 48'.7 E
	drying rock, enclosed by danger line	15° 13'.6 S	124° 50'.0 E
		15° 13'.6 S	124° 51'.2 E

Aus 730 [116/98]

Insert	drying rock and extend danger line SW to enclose	15° 13'.3 S	124° 48'.7 E
	drying rock, enclosed by danger line, with legend <i>Rep</i>	15° 13'.6 S	124° 50'.0 E
	(1998)	15° 13'.6 S	124° 51'.2 E

49* WESTERN AUSTRALIA - St George Basin - Shoals.
C Roberts & MV *Coral Princess* (98/21870). (AH 64/126)

Aus 320 [48/99]

Insert	broken low water line between	15° 27'.8 S	125° 03'.7 E
		15° 26'.8 S	125° 02'.0 E
		15° 27'.9 S	125° 03'.5 E

Aus 730 [48/99]

Insert	danger line between	15° 20'.5 S	124° 53'.3 E
		15° 20'.8 S	124° 54'.2 E
	broken low water line between	15° 27'.8 S	125° 03'.7 E
		15° 26'.8 S	125° 02'.0 E
		15° 27'.9 S	125° 03'.5 E
Delete	danger line between	15° 20'.5 S	124° 53'.3 E
		15° 20'.6 S	124° 53'.7 E

50* **WESTERN AUSTRALIA - High Bluff - Shoal.**
C Roberts & MV *Coral Princess* (98/21870). (AH 64/126)

Aus 320 [49/99]

Insert danger line, of width 0.2nm, with legend *Rep* (1998),
 between

15° 14'.9 S 124° 40'.2 E
15° 16'.0 S 124° 39'.2 E

Aus 730 [49/99]

Insert danger line, of width 0.2nm, with legend *Rep* (1998),
 between

15° 14'.9 S 124° 40'.2 E
15° 16'.0 S 124° 39'.2 E

51* WESTERN AUSTRALIA - Umbanganan Island - Shoals.
C Roberts & MV *Coral Princess* (98/21870). (AH 64/126)

Aus 320 [50/99]

Insert	danger line between	15° 27'.4 S	124° 35'.5 E
		15° 27'.8 S	124° 35'.6 E
		15° 27'.5 S	124° 35'.7 E
	dangerous underwater rock and extend danger line SE to enclose	15° 28'.2 S	124° 36'.6 E

Aus 730 [50/99]

Insert	danger line between	15° 27'.4 S	124° 35'.5 E
		15° 27'.8 S	124° 35'.6 E
		15° 27'.5 S	124° 35'.7 E
	dangerous underwater rock, enclosed by danger circle, with legend <i>Rep</i> (1998)	15° 28'.2 S	124° 36'.6 E

52* WESTERN AUSTRALIA - Mulgunda Island to Steep Island - Shoals.

C Roberts & MV *Coral Princess* (98/21870). (AH 64/126)

Aus 323 [520/97]

Insert	depth, <i>4m</i> , upright figure, enclosed by broken contour, with legend <i>Rep</i> (1998)	16° 04'.0 S	124° 17'.2 E
Delete	depth 15 ₅ m	16° 03'.9 S	124° 17'.0 E

Aus 732 [605/95]

Insert	depth, <i>4m</i> , upright figure, enclosed by broken contour, with legend <i>Rep</i> (1998)	16° 04'.1 S	124° 17'.1 E
	dangerous underwater rock, enclosed by danger line, with legend <i>Rep</i> (1998)	16° 03'.7 S	124° 28'.7 E

53 SOUTH AUSTRALIA - Port Noarlunga to Glenelg - Buoys.

Former Notice - 93(T)/96 is cancelled

Port Corp SA (98/21867). (AH 71/8)

Aus 780 [638/98]

Delete special buoy

35° 10'.1 S	138° 27'.3 E
35° 08'.7 S	138° 26'.0 E
35° 08'.7 S	138° 27'.3 E

Aus 781 (plan, Approaches to Port Adelaide) [639/98]

Delete special buoy

35° 10'.1 S	138° 27'.3 E
35° 08'.7 S	138° 26'.3 E
35° 08'.7 S	138° 27'.3 E
34° 59'.0 S	138° 26'.2 E

54* AUSTRALIA - VICTORIA - Port Phillip - Gellibrand Pier - Dredged limits.

VCA (98/21925). (AH 66/22)

Aus 154 [476/98]

Insert pecked line between

37° 51'.858 S 144° 54'.902 E

37° 51'.808 S 144° 55'.080 E

Delete pecked line between

37° 51'.860 S 144° 54'.910 E

37° 51'.845 S 144° 55'.065 E

55(T)/99 AUSTRALIA - NEW SOUTH WALES - Botany Bay - Scientific instruments.

Former Notice - 572(T)/98 is cancelled.

SPC Notice 25/98 (98/21703). (AH 61/123)

Unmarked scientific instruments exist on the seafloor in the following positions (WGS84):

33° 58'.028 S 151° 12'.060 E

* 33° 58'.270 S 151° 12'.150 E

33° 58'.800 S 151° 12'.180 E

33° 59'.617 S 151° 12'.469 E

*Indicates new or revised entry.

Mariners should navigate with caution in the vicinity of the sites.

Chart temporarily affected - Aus 198 - Aus 199.

56(T)/99 AUSTRALIA - QUEENSLAND - Southport - Gold Coast Seaway - Shoaling.

Date - Until further notice.

DOTQ Notice 454/98 (98/22264). (AH 61/126)

A shoal area, least depth *2.8m*, extends in a NNE direction from the Sand Bypass Pumping Jetty (27° 56'.39 S 153° 25'.90 E) to 27° 56'.1 S 153° 26'.0 E.

Mariners should use caution when transiting the Seaway and only use the centre line leads (255°). If approaching or exiting from the south keep at least 250 metres clear to seaward of the seaward end of the southern breakwater.

The bar clearance leads (291°) should be disregarded.

Chart temporarily affected - Aus 814.

57(T)/99 AUSTRALIA - QUEENSLAND - Urangan - Shoaling.

Former Notice - 662(T)/97 is cancelled.

DOTQ Notice 434/98 (98/21852). (AH 58/126)

Cancel this notice on receipt.

Chart formerly affected - Aus 241

58(T)/99 AUSTRALIA - QUEENSLAND - Bundaberg - Long Reach - Cable ferry operations completed.

Former Notice - 353(T)/98 is cancelled.

DOTQ Notice 433/98 (98/21852). (AH 58/107)

Cancel this notice on receipt.

Chart formerly affected - Aus 243

59(T)/99 AUSTRALIA - QUEENSLAND - Gladstone - Fishermans Landing - Dredging.

Date - Until 19 February 1999.

DOTQ Notice 450/98 (98/22214). (*AH 58/22*)

Dredging operations are in progress at Fishermans Landing wharf (23° 47'.36 S 151° 10'.50 E). The dredge *Kunara* will be moored by anchors which will be marked by special light buoys, Q. Y.

The dredger *Sir Thomas Hiley* will commence operations from the 8 January 1999.

Both dredgers will maintain a listening watch on VHF channels 13 and 16.

Mariners should navigate with caution in the area.

Chart temporarily affected - Aus 244 - Aus 245.

60(T)/99 AUSTRALIA - QUEENSLAND - Mackay - Harbour works.

Date - Until further notice.

DOTQ Notice 447/98 (98/22214). (*AH 58/50*)

Pile driving operations, by the barge *Aquilla*, have commenced in the vicinity of No3 berth (21° 06'.5 S 149° 13'.5 E). The barge will be moored by anchors, marked by unlit buoys.

Mariners are advised to navigate with caution in the vicinity of the area.

Chart temporarily affected - Aus 250.

61(T)/99 AUSTRALIA - QUEENSLAND - Cooktown - Light beacon destroyed.

Date - Until further notice.

DOTQ Notice 448/98 (98/22214). (AH 57/78)

No3 starboard lateral light beacon (15° 27'.42 S 145° 15'.13 E) has been destroyed.

Chart temporarily affected - Aus 831.

62(T)/99 PAPUA NEW GUINEA - Bougainville Island - Closed area revoked.

Former Notice - 328(T)/90 is cancelled.

DOD (Navy) (98/22272). (AH 95/105)

Cancel this notice on receipt.

Chart formerly affected - Aus 399 - Aus461 - Aus 683.

63(T)/99 AUSTRALIA - TORRES STRAIT - Ellis Channel - Light buoy replaced.

Former Notice - 607(T)/98 is cancelled.

DOTQ Notice 451/98 (98/22214). (AH 70/80)

Cancel this notice on receipt.

Chart formerly affected - Aus 292 - Aus 293 - Aus 299

64(T)/99 AUSTRALIA - NORTHERN TERRITORY - Gove - Light buoy.

Date - Until further notice.

Nabalco Shipping (98/21861). (*AH 63/80*)

West Woody port lateral light buoy (12° 11'.7 S 136° 39'.7 E) is off station.

Chart temporarily affected - Aus 15.

65(T)/99 WESTERN AUSTRALIA - Rottnest Island - Fish aggregating devices westward.

Former Notice - 230(T)/98 is cancelled.

JLU West (98/22145). (AH 68/37)

FADS have been established in the following positions:

		<i>Remarks</i>
31° 54'.96 S	115° 11'.91 E	Yellow float
31° 59'.92 S	115° 13'.07 E	Yellow float
32° 00'.00 S	115° 19'.00 E	Yellow float
32° 03'.27 S	115° 19'.65 E	Yellow float
32° 05'.00 S	115° 11'.00 E	Red float
32° 08'.05 S	115° 10'.07 E	Yellow float

Chart temporarily affected - Aus 333 - Aus 754.

66(T)/99 AUSTRALIA - VICTORIA - Port Phillip - St Leonards - Beacon re-established.

Former Notice - 584(T)/95 is cancelled.

Victorian Notice 69/98 (98/21855). (AH 66/9)

Cancel this notice on receipt.

Chart formerly affected - Aus 143 - Aus 157

67(T)/99 AUSTRALIA - VICTORIA - Port Phillip - Point Wilson - Quarantine area revoked.

Former Notice - 535(T)/97 is cancelled.

Victorian Notice 58/98 (98/21856). (AH 66/105)

Cancel this notice on receipt.

Chart formerly affected - Aus 143 - Aus 157

68(T)/99 AUSTRALIA - VICTORIA - Port Phillip - Mordialoc - Light restored.

Former Notice - 412(T)/97 is cancelled.

Victorian Notice 68/98 (98/21854). (AH 66/78)

Cancel this notice on receipt.

Chart formerly affected - Aus 143 - Aus 155

69(T)/99 AUSTRALIA - VICTORIA - Western Port - Crib Point - Harbour works.

Date - Until 31 January 1999.

Victorian Notice 73/98 (98/98/21717). (*AH 59/50*)

Pile driving operations are being conducted from a barge at Crib Point jetty (38° 20'.95 S 145° 13'.25 E). The barge moorings are marked by buoys.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 151 - Aus 152.

70(T)/99 Australia - Temporary and Preliminary Notices.
(AH 17/106)

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
BASS STRAIT		
778/98	Aus357A-358-422-423-445A	Oilfield
NEW SOUTH WALES		
449/98	Aus198-199	<i>Botany Bay</i> Drilling barge
55/99	Aus198-199	Scientific instruments
83/97	Aus204	<i>Brisbane Water</i> Shoaling
460/95	Aus204	Aids to navigation
733/98	Aus220-812	<i>Coffs Harbour</i> Scientific instruments
352/98	Aus197-806-807-808-810-812-813	<i>Green Cape to Point Danger</i> Waverider and research buoys
658/97	Aus193	<i>Jervis Bay</i> Light beacons; buoy
382/98	Aus193	Light buoy
247/98	Aus200-202	<i>Port Jackson</i> Foul area
732/98	Aus195	<i>Port Kembla</i> Harbour works
659/97	Aus220	<i>Port Macquarie</i> Buoy withdrawn
144/96	Aus814	<i>Tweed River</i> Waverider buoy
511/98	Aus220-813-814	Wreck
571/98	Aus191	<i>Twofold Bay</i> Waverider buoy
NORTHERN TERRITORY		
134/95	<i>Darwin</i> Harbour works
185/96	Aus28	Depth information
64/99	Aus15	<i>Gove</i> Light buoy
QUEENSLAND		
46/95	Aus255	<i>Abbot Point</i> Depth information
506/97	Aus237	<i>Brisbane River</i> Dredging operations
612/97	Aus237	Wharf repairs
187/98	Aus237	Temporary buoy; dredge spoil pumping operations
482/98	Aus243	<i>Bundaberg</i> Depth information
249/97	Aus262-830	<i>Cairns</i> Depth information
294/98	Aus256-827	<i>Cape Pallarenda</i> Light beacon re-established; temporary light

579/98	Aus256-257	<i>Cleveland Bay</i> Scientific instruments
61/99	Aus831	<i>Cooktown</i> Light beacon destroyed
356/98	Aus372-373-830	<i>Fitzroy Island</i> Obstructions
663/97	Aus246	<i>Gladstone</i> Maintenance work; navigation restrictions
384/98	Aus244-245	Harbour works
576/98	Aus246	Light beacon destroyed; light buoy established
669/98	Aus244-245-246	Harbour works
736/98	Aus244-245-246	Depth information
769/98	Aus241-243-244-245-246-247- 248-365-366-367-426-817- 818-819-820-822-4620-4621	Differential global positioning system
59/99	Aus244-245	Dredging
485/98	Aus372-827-828	<i>Great Palm Island</i> Wreck
735/98	Aus241-817	<i>Great Sandy Strait</i> Light beacon destroyed
664/97	Aus249	<i>Hay Point</i> Depth information
670/98	Aus249-823	Obstruction
701/97	Aus252-254-825	<i>Hayman Island</i> Light beacon destroyed; light buoy
605/98	Aus258-259	<i>Hinchinbrook Channel</i> Light buoys
316/97	Aus303	<i>Karumba</i> Beacon destroyed
358/98	Aus303	Dredging operations
740/98	Aus830-831	<i>Low Isles</i> Waverider buoy
518/94	Aus259	<i>Lucinda</i> Depth information
468/97	Aus259	Wreck; buoy
580/98	Aus830	<i>Lugger Passage</i> Buoy
603/98	Aus249-250-823	<i>Mackay</i> Small craft harbour
706/98	Aus250	Depth information
60/99	Aus250	Harbour works
708/98	Aus4-701	<i>Mission River</i> Bridge maintenance
575/98	Aus235	<i>Mooloolah River</i> Obstruction
322/98	Aus237	<i>Moreton Bay</i> Light beacon destroyed; light buoy
705/98	Aus236-814	Wreck
704/98	Aus236	Jetty
734/98	Aus236	Light beacon
660/97	Aus235-236-237-238-814	<i>Moreton Bay and Brisbane River</i> Depth information and keel clearances in channels
486/98	Aus829	<i>Mourilyan</i> Depth information

609/98	Aus303.....	<i>Norman River</i> Wharf
641/97	Aus4-236-247-249-255-256- 364-814-819-828-830-832	<i>Point Danger to Karumba</i> Waverecorder and research buoys
578/98	Aus247.....	<i>Port Alma</i> Depth information
771/98	Aus250-826.....	<i>Queens Bay</i> Wreck
165/98	Aus814.....	<i>Southport</i> Channel temporarily restricted to navigation
549/98	Aus814.....	Light beacon; light buoy
644/98	Aus814.....	Light buoys
703/98	Aus814.....	Dredging; channel closure; nav aids
56/99	Aus814.....	Shoaling
80/94	Aus293-299.....	<i>Thursday Island</i> Depth information
270/98	Aus256-257.....	<i>Townsville</i> Shoaling
647/98	Aus256-257.....	Depth information
470/97	Aus830.....	<i>Upolu Reef</i> Sonar targets westward
602/98	Aus241.....	<i>Urangan</i> Dredging
296/98	Aus4.....	<i>Weipa</i> Depth information
SOUTH AUSTRALIA		
515/98	Aus345-780-781.....	<i>Gulf of St Vincent</i> Obstructions
593/97	Aus120.....	<i>Nuyts Archipelago</i> Buoy off station
200/97	Aus781.....	<i>Port Gawler</i> Aquaculture site marked by light buoy
326/95	Aus134.....	<i>Port Lincoln</i> Mussel culture; light buoys
448/95	Aus134.....	Mussel culture; light buoys
471/96	Aus134-776.....	Fish farms
451/95	Aus125.....	<i>Port Stanvac</i> Mussel culture; light buoys
TASMANIA		
231/98	Aus164.....	<i>Devonport</i> Dredging operations; beacons removed
474/96	Aus177.....	<i>Macquarie Harbour</i> Beacon destroyed
339/97	Aus167.....	<i>Port Dalrymple</i> Shoal depth
TORRES STRAIT		
624/96	Aus292-294.....	<i>Boat Channel</i> Light beacon destroyed; replaced by light buoy
VICTORIA		
331/98	Aus788.....	<i>Apollo Bay</i> Shoaling

151/94	Aus349-350-357-357A-422-445A-445B-789	<i>Cape Schanck</i> Differential Global Positioning System
342/97	Aus181	<i>Corner Inlet</i> Shoaling
455/98	Aus157	<i>Geelong</i> Depth information
333/98	Aus182	<i>Gippsland Lakes</i> Shoaling
651/98	Aus182-357-357A-358	<i>Lakes Entrance</i> Waverider buoy relocated
776/98	Aus154	<i>Melbourne</i> Depth information
586/98	Aus150-151-350-422-445B-788-801	<i>Point Grant</i> Light
289/97	Aus181	<i>Port Albert</i> Light buoy unlit
465/95	Aus157-158	<i>Port Phillip</i> Beacon destroyed
582/96	Aus154	Light beacons moved, island constructed
381/97	Aus143-155-158	Waverider buoys and current meter
563/97	Aus154-155	Depth information
59/98	Aus154	Bridge construction; vertical clearance
362/98	Aus143-158	Lights to be established
394/98	Aus143-155	Buoy
420/98	Aus157-158	Beacon destroyed
489/98	Aus154	Works in progress; light beacon
516/98	Aus154	Nav aids
554/98	Aus143-158	Light buoy; shoaling
650/98	Aus143-158	Light beacon destroyed; light buoy
677/98	Aus143-154-155-157-158	Ferry operations
678/98	Aus143-155	Light buoy
744/98	Aus143	Light buoy
745/98	Aus154	Light beacon
774/98	Aus143-157	Buoy off station
775/98	Aus143-155-157-158	Dredging
456/98	Aus154	<i>Port of Melbourne</i> Construction works; temporary light buoys; silt curtain
69/97	Aus150-151	<i>Western Port</i> Lights
139/97	Aus151-152	Depth information
422/98	Aus150	Jetty
69/99	Aus151-152	Harbour works
WESTERN AUSTRALIA		
298/98	Aus109	<i>Albany</i> Wreck
710/98	Aus50-324	<i>Broome</i> Nav aids
418/98	Aus747	<i>Carnarvon</i> Dredging
338/97	Aus117	<i>Cockburn Sound</i> Shoal depth marked by light buoy
196/98	Aus57-58-59	<i>Dampier</i> Depth information

419/98	Aus751	<i>Geraldton</i> Waverecorder
323/97	Aus112-753-754	<i>Jurien Bay to Rottnest Island</i> Fishery research and waverecorder buoys
49/95	Aus325-326-327-328-415-416- 739-740-741-742-743	<i>Karratha</i> Differential global positioning system
704/97	Aus63-328-415-416-743	<i>Mary Anne Passage</i> Oil rig de-commissioned; temporary light established
713/98	Aus328-415-416	<i>Montebello Islands</i> Scientific instruments northwestward
672/98	Aus327	<i>North Rankin</i> Waverecorder
324/97	Aus753	<i>Point Louise</i> Waverecorder westward
65/99	Aus333-754	<i>Rottnest Island</i> Fish aggregating devices westward
714/98	Aus743	<i>Thevenard Island</i> Waverecorder
711/98	Aus326-327-415	<i>Indian Ocean</i> Environmental data buoy
712/98	Aus327-415-741	Environmental data buoy eastward
675/98	Aus330-331-332-333-334-335- 347-348-749-751-752-753- 754-755-756	<i>Western Australia, South Australia & Victoria</i> Lobster fishery
612/98	MISCELLANEOUS Summer time
743/98	Aus112-334-416-417-754- 4060-4070-4071-4708-4709	INDIAN OCEAN <i>Fremantle to Jakarta</i> Submarine cable
106/98	Aus683	PAPUA NEW GUINEA <i>Bougainville Island</i> Buoyage
674/96	Aus628	<i>Goschen Strait</i> Buoy off station
382/97	Aus381-628-629-630	Light destroyed
488/98	Aus378-502	<i>Gulf of Papua</i> Scientific instrument northwestward
670/97	Aus680	<i>New Britain</i> Siltation
639/97	Aus379-380-505-621-4620- 4621	<i>Port Moresby</i> Beacon and racon destroyed

III NAVIGATION WARNINGS

The following radio messages have been received during the period to 18 December 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 WARNINGS

- 305 SW Coast. Geraldton fairway buoy (28° 44'.9 S 114° 32'.5 E) temporarily withdrawn.
306 SW Coast. Seismic survey vessel *Sea Challenger* towing 2.0nm cable in area 32° 52' S to 35° 40' S and 129° 21' E to 135° 46' E.
307 NW Coast. Seismic survey vessel *Acadian Searcher* towing 3.5nm cable in area 13° 40' S to 15° 20' S and 120° 00' E to 122° 40' E.
308 Cancelled.
309 Cancelled.
310 NW Coast. Seismic survey vessel *Ramform Challenger* towing 2.5nm cable in area 11° 00' S to 12° 30' S and 124° 55' E to 125° 55' E.
311 Cancelled.
312 Cancelled.
313 NW Coast. Drill rig *Griffin Venture* in position 21° 12'.0 S 114° 36'.0 E, 2.5nm clearance requested.
314 Cancelled.
315 Cancelled.
316 Cancelled.
317 Cancelled.
318 SE Coast. Round Island light, *Fl. WR. 7s 31m 10M*, established in position 38° 31'.15 S 145° 06'.60 E, with sectors *white* 066°-213° and 290°-033° and *red* 033°-066° and 213°-290°.
319 Cancelled.
320 NW Coast. Drill ship *Modec Venture* (10° 53' S 126° 35' E) light unreliable.
321 Cancelled..
322 SE Coast. Pipe laying vessel *CSO Apache* engaged in pipe laying operations from *Mackerel* platform (38° 32'.5 S 148° 33'.2 E) to *Blackback* field (38° 32'.5 S 148° 33'.2 E) via intersection point (38° 34'.0 S 148° 25'.9 E), 1.5nm clearance requested.
323 NW Coast. Drill rig *Stena Clyde* in position 20° 00'.3 S 115° 38'.1 E, 2.5nm clearance requested.
324 Cancelled.
325 Cancelled.
326 Cancelled.
327 NW Coast. Seismic survey vessel *Geco Rho* towing 3.0 nm cable in area 12° 35' S to 13° 30' S and 125° 29' E to 126° 36' E.
328 NW Coast. Seismic survey vessel *Geco Beta* towing 3.0 nm cable in area 12° 43' S to 13° 47' S and 122° 17' E to 123° 58' E.
329 Cancelled.
330 SW Coast. Lake Preston light K1781.9 (32° 57'.4 S 115° 40'.1 E) permanently discontinued.

NAVAREA X WARNINGS

- 047 Cancelled.
048 SW Coast. Seismic survey vessel *Geco Resolution* surveying in area 11° 40' S to 11° 58' S and 126° 15' E to 126° 33' E.
049 NW Coast. Seismic survey vessel *Nordic Explorer* towing 2.5 nm cable in area 11° 25' S to 11° 50' S and 124° 35' E to 125° 20' E.

Navigational warnings in force as at 171400UTC DEC 98.

Auscoast

1998 249 268 285 291 294 295 299 305 306 307 310 313 318 320 322 323 327 328 330.

Navarea X

1998 017 036 040 043 045 046 048 049.

Summary of mobile drilling rigs as at 171400UTC DEC 98.

Name	Position
Ocean Bounty	9° 47'.1 S 130° 24'.4 E
Modec Venture	10° 53'.0 S 126° 35'.0 E
Sedco 703	10° 31'.5 S 125° 59'.2 E
Jabiru Venture	11° 56'.0 S 125° 00'.0 E
Ocean Epoch	19° 22'.5 S 116° 21'.4 E
Ron Tappmeyer	19° 42'.9 S 116° 37'.0 E
Stena Clyde	20° 00'.3 S 115° 38'.1 E

EnSCO 56
Griffin Venture

20° 37'.1 S 115° 42'.0 E
21° 12'.0 S 114° 36'.0 E

NAVAREA XIV WARNINGS

- 214 Cancelled.
- 215 Cancelled.
- 216 NW Coast. Drill rig *Sedco 702* in position 39° 58'.3 S 173° 18'.1 E, 2.5nm clearance requested.
- 217 Southern Ocean. Large iceberg 200 metres by 200 metres, 50 metres in height in position 56° 06' S 156° 02' E at 062250 UTC DEC.

Navarea XIV warnings in force as at 170001UTC DEC 98.

198 216 217.

IV

HYDROGRAPHIC REPORTS

<i>Locality</i>	<i>Report</i>	<i>Ship/Authority</i>	<i>Observer</i>
VIC- Melbourne Round Island South Channel West Gate Bridge	Lights Light sectors Light Light buoys		DG Sadler
TAS- South Hummock Duck Bay	Tower Sailing Directions	<i>MV Westerly Serenade</i>	F Holden
WA- Long Island Bigge Island Mictyis Island St George Basin High Bluff Umbanganan Island Brecknock Harbour Mulgunda Island to Steep Island	Rocks Rocks Rocks Shoals Shoal Shoals Pearl farms Shoals	<i>MV Coral Princess</i>	C Roberts