



Australian Notices to Mariners are the authority for correcting Australian Charts

*The Hydrographer and Staff
of the Royal Australian Navy Hydrographic Office
wish all users of Australian Charts a Merry Christmas
and a Happy New Year and safe, succesful voyages in 1998.*

AUSTRALIAN NOTICES TO MARINERS

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Notices 644 - 678

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 unavailable on this web site at this stage but still available in printed form:-

**British Admiralty Notices to Mariners.
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 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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Edition No 24

21 November 1997

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644 AUSTRALIA - Publication - New edition to be published shortly.

RAN Hydrographic Service (AH 17/3)

<i>Chart</i>	<i>Title</i>	<i>Scale</i>
Aus 57	Australia - North West Coast - Western Australia - Dampier Archipelago	1:75 000
Aus 58	Australia - North West Coast - Western Australia - Port of Dampier	1:37 500

645* AUSTRALIA - NEW SOUTH WALES - Botany Bay - Buoyage; jetties.
Waterways (AH 61/78)

Aus 198 [513/97]

Substitute	west cardinal light beacon, Q(9)15s, with topmark for special beacon	34° 00'.37 S	151° 10'.88 E
Insert	east cardinal light beacon, Q(3) 10s, with topmark and a firm line (rock groyne) perpendicular from the light beacon to the shoreline	33° 59'.187 S 33° 59'.315 S 33° 59'.451 S 33° 59'.576 S 33° 59'.755 S 33° 59'.908 S 33° 59'.941 S 34° 00'.110 S	151° 08'.882 E 151° 08'.866 E 151° 08'.873 E 151° 08'.883 E 151° 08'.915 E 151° 08'.717 E 151° 08'.590 E 151° 08'.380 E
	port lateral light beacon, Fl.R.5s, without topmark	33° 57'.085 S 33° 56'.994 S 33° 56'.880 S	151° 09'.155 E 151° 09'.317 E 151° 09'.500 E
	double firm line, with legend <i>Jetty</i> , between	33° 57'.985 S 33° 57'.974 S	151° 12'.394 E 151° 12'.386 E
	double firm line, with legend <i>Jetty</i> , between	33° 56'.856 S 33° 56'.844 S	151° 09'.609 E 151° 09'.619 E

Aus 199 [540/97]

Substitute	west cardinal light beacon, Q(9)15s, with topmark for special beacon	34° 00'.284 S	151° 10'.944 E
Insert	east cardinal light beacon, Q(3) 10s, with topmark and a firm line (rock groyne) perpendicular from the light beacon to the shoreline	33° 59'.093 S 33° 59'.221 S 33° 59'.357 S 33° 59'.482 S 33° 59'.661 S 33° 59'.814 S 33° 59'.847 S 34° 00'.016 S	151° 08'.953 E 151° 08'.937 E 151° 08'.944 E 151° 08'.954 E 151° 08'.986 E 151° 08'.788 E 151° 08'.661 E 151° 08'.451 E
	port lateral light beacon, Fl.R.5s, without topmark	33° 56'.991 S 33° 56'.900 S 33° 56'.786 S	151° 09'.226 E 151° 09'.388 E 151° 09'.571 E
	double firm line, with legend <i>Jetty</i> , between	33° 57'.901 S 33° 57'.880 S	151° 12'.465 E 151° 12'.457 E
	double firm line, with legend <i>Jetty</i> , between	33° 56'.762 S 33° 56'.752 S	151° 09'.680 E 151° 09'.690 E
Move	port lateral buoy to port lateral buoy to	33° 57'.828 S 33° 57'.832 S 33° 57'.855 S 33° 57'.861 S	151° 12'.460 E 151° 12'.432 E 151° 12'.518 E 151° 12'.533 E
Delete	starboard lateral buoy jetty between	33° 57'.847 S 33° 57'.880 S 33° 57'.860 S 33° 57'.848 S	151° 12'.563 E 151° 12'.462 E 151° 12'.598 E 151° 12'.592 E

646* AUSTRALIA - QUEENSLAND - Wide Bay Bar - Depths.
DOTQ Sheet E570-047 (12/96). (AH 61/126)

Aus 817 [571/97]
Insert accompanying block

25° 48' S 153° 08' E



647* AUSTRALIA - QUEENSLAND - Bundaberg - Harbour works.
DOTQ. MSA 20168 (97/6556). (AH 58/50)

Aus 243 [239/97]			
Insert	accompanying block	24° 46'.5 S	152° 23'.5 E
Aus 243 (plan, Port Bundaberg)			
Insert	accompanying block	24° 46'.0 S	152° 23'.0 E
Substitute	firm line for pecked line between	24° 45'.567 S	152° 23'.826 E
		24° 45'.563 S	152° 23'.874 E
Amend	maintained depth to 8.5m	24° 45'.36 S	152° 24'.40 E
Delete	firm line between	24° 45'.55 S	152° 23'.98 E
		24° 45'.55 S	152° 24'.02 E
	pecked line between	24° 45'.64 S	152° 23'.39 E
		24° 45'.57 S	152° 23'.83 E
	legend Wall	24° 45'.61 S	152° 23'.55 E

648* AUSTRALIA - QUEENSLAND - Abbott Point - Wreck northeastward.

Former Notice - 509(T)/97 is cancelled

DOTQ Notice 345/97 (97/6889). (AH 58/150)

Aus 255 [656/96]

Insert non dangerous wreck

19° 47'.20 S

148° 08'.74 E

Aus 371 [572/97]

Insert non dangerous wreck

19° 47'.20 S

148° 08'.74 E

Aus 825 [572/97]

Insert non dangerous wreck

19° 47'.20 S

148° 08'.74 E

Aus 826 [517/97]

Insert non dangerous wreck

19° 47'.11 S

148° 08'.81 E

649* AUSTRALIA - TORRES STRAIT - East Strait Island - Light.
RAN Hydrographic Service. (AH 70/78)

Aus 839 [603/97]

Insert light star

10° 29'.77 S

142° 27'.08 E

650* **PAPUA NEW GUINEA - New Britain - Rabaul - Towers.**
MV *Samoset* (97/6899). (AH 74/17)

Aus 680 [NC 10/01/97]
Delete tower

4° 13'.40 S	152° 11'.25 E
4° 13'.50 S	152° 11'.40 E

651* AUSTRALIA - QUEENSLAND - Mornington Island - Shoal northwestward.
MRV *Southern Surveyor* (97/6796). (AH 70/126)

Aus 303 [NE 27/06/97]

Insert depth, 14_2m , enclosed by broken contour, with legend *Rep*
(1997)

16° 06'.6 S 138° 54'.0 E

Delete depth 24m

16° 06'.5 S 138° 53'.7 E

Aus 304 [214/97]

Insert depth, 7_4fm , enclosed by broken contour, with legend *Rep*
(1997)

16° 06'.7 S 138° 53'.9 E

652* **INDIAN OCEAN - Christmas Island - Tower; lights.**
HMAS *Geraldton*. (AH 82/17)

Aus 608 [227/96]

Insert tower, with legend (*R Lts (Q day)*)

10° 26'.48 S

105° 40'.35 E

653* WESTERN AUSTRALIA - Jervoise Bay - Light.

List of Lights Vol K/97 - 1776.30

DOTWA fax 0f 19/9/97 (97/5244). (AH 72/78)

Aus 114 [NC 22/08/97]

Insert obscured sector 035° - 135° (100°) at light

32° 08'.42 S

115° 45'.81 E

Aus 117 [598/97]

Insert obscured sector 035° - 135° (100°) at light

32° 08'.5 S

115° 45'.7 E

654 INDIAN OCEAN - Iles Kerguelen - Depths westward and northwestward.

BA Notice 41/3653/97. (*AH 82/126*)

Aus 4070 (INT 70) [*453/97*]

Insert	depth, <i>553m</i> , enclosed by contour	47° 25' S	65° 34' E
	depth, <i>292m</i> , enclosed by contour	49° 38' S	66° 49' E
	depth, <i>270m</i> , and extend 1000m contour N to enclose	49° 44' S	65° 55' E

655* SOUTHERN OCEAN - Casey - Depths.
HODSU HI 256. (AH 96/126)

Aus 601 [NE 07/10/94]

Insert	depth, 32m, enclosed by contour	66° 12'.87 S	110° 10'.60 E
		66° 22'.40 S	110° 23'.54 E
	depth, 3m, enclosed by contour	66° 11'.19 S	110° 22'.70 E
	depth, 7 ₈ m, enclosed by contour	66° 18'.61 S	110° 27'.82 E
	drying rock, 0 ₉ m, enclosed by danger circle	66° 19'.04 S	110° 28'.61 E
Delete	depth 60m	66° 18'.66 S	110° 27'.93 E
	dangerous rock	66° 19'.2 S	110° 28'.8 E

656* AUSTRALIA - VICTORIA - Port Phillip - Williamstown Channel - Dredged depth.
Victorian Channels Authority Notice 87/97 (97/6678). (AH 66/22)

Aus 154 [632/97]

Amend maintained depth to *11.8 metres*

37° 51'.61 S

144° 55'.16 E

657 AUSTRALIA - Miscellaneous chart corrections.

Fitzroy News (97/7193). (AH 17/3)

Aus 820 [484/96]

On certain copies only

Amend note SATELLITE-DERIVED POSITIONS to read:
....positions should be moved 0.09 minutes
SOUTHWARD and 0.06 minutes....

22° 36' S

152° 08' E

658(T)/97 AUSTRALIA - NEW SOUTH WALES - Jervis Bay - Light beacons; buoy.

Date - Until further notice

Waterways Memo 30/10/97 (97/7186). (AH 61/78,8)

New nav aids have been established in approx positions as follows:

<i>Type</i>	<i>Lat S</i>	<i>Long E</i>	<i>Characteristic</i>
East cardinal light beacon	35° 04'.35	150° 42'.45	Q(3) 10s
South cardinal pillar buoy	35° 02'.30	150° 40'.65	unlit
Port lateral light beacon	35° 00'.50	150° 43'.75	Fl. R. 3s
Starboard lateral light beacon	35° 01'.00	150° 45'.75	Fl. G. 3s

Note: permanent charting action will be taken on receipt of surveyed positions.

Chart temporarily affected - Aus 193.

659(T)/97 AUSTRALIA - NEW SOUTH WALES - Port Macquarie - Hastings River - Buoy withdrawn.

Date - Until further notice

HODSU; MSB Waterways (97/5128) (AH 61/8)

The starboard lateral buoy (31° 24'.60 S 152° 54.45 E approx) has been temporarily withdrawn.

Chart temporarily affected - Aus 220.

660(T)/97 AUSTRALIA - QUEENSLAND - Moreton Bay and Brisbane River - Depth information and keel clearances in channels.

Former Notice - 501(T)/95 is cancelled

DOTQ Notice 355/97 (97/6939). (AH 62/22)

Available depths as at 28 October 1997:

	<i>Metres</i>
Moreton Bay:	
North East Channel	5.0
North West Channel	13.5
Spitfire Channel	13.5
Main Channel	9.7
East Channel	14.0
Brisbane River:	
Entrance Beacons to Fisherman Islands Swing Basin	13.0
Pelican Bank Cutting to Hamilton Reach	9.1
Keel clearances are required for approach channels as follows:	
North West Channel	1.6
For vessels with a beam of 35 metres or more	1.9
Spitfire Channel	1.2
East Channel	1.2
Alongside all berths	0.3
Entrance Beacons to Swing Basin	1.0
* Swing Basin Reach to Hamilton Reach	0.6 to 0.9

*Indicates new or revised entry.

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

661(T)/97 AUSTRALIA - QUEENSLAND - Moreton Bay - St Helena Island - Light beacon replaced by light buoy.

Date - Until further notice

DOTQ Notice 356/97 (97/6939). (*AH 62/78,80*)

The special light beacon (27° 24'.45 S 153° 14'.45 E) has been temporarily replaced by a special spherical light buoy, *Fl. Y. 4s*.

Chart temporarily affected - Aus 236.

662(T)/97 AUSTRALIA - QUEENSLAND - Urangan - Shoaling.

Date - Until further notice

DOTQ Notice 348/97 (97/6890) (AH 58/126)

Shoaling has been reported to exist in the vicinity of EU1 light buoy (25° 16'.9 S 152° 55'.5 E approx).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 241.

663(T)/97 AUSTRALIA - QUEENSLAND - Gladstone - South Trees Inlet - Maintenance work; navigation restrictions.

Date - Until further notice

DOTQ Notice 351/97 (97/6885) (AH 58/50)

Repair works have commenced on the overhead pipeline which crosses from the mainland to Boyne Island in approx position 23° 54'.2 S 151° 18'.2 E.

The navigable area to transit underneath the pipeline is via the raised section.

Included in the repairs is the permanent attachment of signs depicting the area of the pipeline which is restricted to navigation.

Mariners are advised navigate with caution in the area.

Chart temporarily affected - Aus 246.

664(T)/97 AUSTRALIA - QUEENSLAND - Hay Point - Depth information.

Former Notice - 133(T)/97 is cancelled

DOTQ Notice 353/97 (97/6885) (AH 58/22)

Available depth as at 27 October 1997:

	<i>Metres</i>
Departure Channel	13.1
* HPS Berth No 1	16.5
* HPS Berth No 2	16.7
DBCT Berth No 1	18.7
DBCT Berth No 2	19.7

*Indicates new or revised entry.

Chart temporarily affected - Aus 249.

665(T)/97 AUSTRALIA - QUEENSLAND - Mackay - Depth information.

Former Notice - 134(T)/97 is cancelled

DOTQ Notice 352/97 (97/6885) (AH 58/22)

Available depths as at 27 October 1997:

	<i>Metres</i>
* Entrance Channel	8.5
* Swing Basin	8.5
Berth No 1	10.4
* Berth No 2	10.3
* Berth No 3	10.7
* Berth No 4	10.4
* Berth No 5	11.7
* East Extension	9.4

* Indicates new or revised entry.

Chart temporarily affected - Aus 250.

666(T)/97 AUSTRALIA - QUEENSLAND - Hinchinbrook Channel - Light buoys withdrawn.

Former Notice - 588(T)/97 is cancelled

DOTQ Notice 301/97 (97/5191) (AH 58/80)

Cancel this notice on receipt

Chart formerly affected - Aus 258 - Aus 259 - Aus 828

667(T)/97 AUSTRALIA - QUEENSLAND - Hinchinbrook Channel - Oyster Point - Dredging operations completed.

Former Notice - 587(T)/97 is cancelled

DOTQ Notice 360/97 (97/6990) (AH 58/22)

Cancel this notice on receipt

Chart formerly affected - Aus 258 - Aus 259 - Aus 828

668(T)/97 AUSTRALIA - QUEENSLAND - Port Douglas - Light beacon withdrawn.

Date - Until further notice

DOTQ Notice 347/97 (97/6889) (AH 57/78)

No6 port lateral light beacon (16° 28'.8 S 145° 27'.56 E approx) has been temporarily withdrawn.

Mariners should navigate with caution in the vicinity.

Chart temporarily affected - Aus 830.

669(T)/97 AUSTRALIA - QUEENSLAND - Port Douglas - Dredging operations.

Date - Until further notice

DOTQ Notice 349/97 (97/6890) (AH 57/22)

Mariners are advised that dredging operations are being carried out in the entrance channel (16° 28'.83 S 145° 27'.56 E approx) into Dicksons Inlet.

During the dredging operations, aids to navigation may be altered in position or temporarily withdrawn.

Mariners should navigate with caution when transiting the channel.

Chart temporarily affected - Aus 830.

670(T)/97 PAPUA NEW GUINEA - New Britain - Rabual - Simpson Harbour - Siltation.

Date - Until further notice

Consort Express Lines Pty. Ltd. (97/6901) (AH 74/22)

Shoaling has been reported in the vicinity of the berths in Simpson Harbour.

Chart temporarily affected - Aus 680.

671(T)/97 AUSTRALIA - QUEENSLAND - Gulf of Carpentaria - Buoy adrift.

Former Notice - 487(T)/97 is cancelled

RAN Hydrographic Service (97/2985) (AH70/8)

This notice has been sufficient promulgated.

Cancel this notice on receipt

Chart formerly affected - Aus 410 - Aus 411

672(T)/97 AUSTRALIA - QUEENSLAND - Gulf of Carpentaria - Duyfken Point - Hydrographic survey operations completed.

Former Notice - 292(T)/96 is cancelled

DOTQ Notice 360/97 (97/6990) (AH 70/126)

Cancel this notice on receipt

Chart formerly affected - Aus 301 - Aus 701

673(T)/97 AUSTRALIA - Indian Ocean - Environmental data buoy.

Date - Until further notice

MV Shelf Ranger (97/6903) (*AH 64/80*)

A special pillar light buoy, *Fl(5) Y. 20s*, without topmark, has been temporarily deployed in position 18° 38'.94 S 117° 19'.48 E.

Chart temporarily affected - Aus 326 - Aus 327 - Aus 415.

674(T)/97 AUSTRALIA - Indian Ocean - Glomar Shoal - Environmental data buoy eastward.

Date - Until further notice

MV Shelf Ranger (97/6902) (*AH 64/80*)

A special pillar light buoy, *Fl(5) Y. 20s*, without topmark, has been temporarily deployed in position 19° 29'.80 S 116° 59'.94 E.

Chart temporarily affected - Aus 327 - Aus 415 - Aus 741.

675(T)/97 WESTERN AUSTRALIA - Montebello Islands - Oceanographic mooring westward.

Former Notices - 407(T) & 438(T)/97 are cancelled

WNI Science & Engineering fax ref no 20763 (97/6676) (AH 64/123)

An unmarked subsurface current meter has been deployed in position 20° 21'.8 S 114° 53'.3 E.

Mariners are ask to keep well clear of the current meter.

Chart temporarily affected - Aus 328 - Aus 415.

676(T)/97 SOUTH AUSTRALIA - Gulf of St Vincent - Brighton - Dredging operations; beach replenishment.

Date - Until further notice

MHSA Notice 22/97 (97/6888) (AH 71/22)

A lit, Q. Y, 12x4 metre pontoon with 96 metres of floating pipeline, and an attached submerged pipeline to the beach, has been established in position 35° 01'.84 S 138° 29'.44 E.

The area around the pontoon and pipeline has been declared a *Prohibited Area to Navigation*.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 780 - Aus 781.

677(T)/97 AUSTRALIA - VICTORIA - Port Phillip - Geelong - Depth information.

Former Notice - 251(T)/97 is cancelled

Victorian Notices Mariners Notice 89/97 (97/6991). (AH 66/22)

Available depth of berth and channels as at 30 October 1997:

(1) Corio Quay

(a) in the area delimited by a line

joining positions as follows:

			<i>Depth</i>
i.	38° 06'.515 S	144° 21'.720 E	<i>7.2m</i>
ii.	38° 06'.589 S	144° 21'.957 E	
iii.	38° 06'.673 S	144° 22'.046 E	
iv.	38° 06'.852 S	144° 21'.983 E	
v.	38° 06'.824 S	144° 21'.939 E	
vi.	38° 06'.667 S	144° 21'.994 E	
vii.	38° 06'.570 S	144° 21'.869 E	
viii.	38° 06'.527 S	144° 21'.740 E	

(b) area (Dredged to 9.7m (1990) immediately north of the area in (a)

8.8m

(c) area inshore of area in (a)

less than 7.0m

(2) Corio Quay Wharves:

*No 1 South	<i>9.7m</i>
*No 1 North	<i>11.0m</i>
*No 2 North	<i>11.0m</i>
*No 3 North	<i>9.7m</i>

(3) Refinery Pier:

No 1	<i>11.0m</i>
No 2	<i>10.6m</i>
No 3	<i>10.2m</i>
No 4	<i>10.3m</i>

(4) Point Henry Pier *11.0m*

(5) *Bulk Grain Pier No 2 *11.0m*

* Indicates new or revised entry.

Chart temporarily affected - Aus 157.

678(T)/97 AUSTRALIA - VICTORIA - Westernport - Current meters.

Date - Until 05 December 1997

RAN Hydrographic Service (97/7188). (*AH 59/123*)

From 1 to 5 December a current meter, marked by a buoy, will be deployed at one of the following approx positions:

38° 27'.1 S 145° 10'.1 E

38° 26'.5 S 145° 15'.4 E

38° 23'.5 S 145° 14'.9 E

Mariners should navigate with caution in the area.

Chart temporarily affected - Aus 150 - Aus 151.

III NAVIGATION WARNINGS

The following radio messages have been received during the period to 7 November 1997. 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

- 275 Cancelled.
276 Cancelled.
277 NW Coast. Seismic survey vessel *Acadian Searcher* towing 1 NM cable in area 15° 00' S to 16° 10' S and 121° 25' E to 123° 55' E. Wide berth requested.
278 NW Coast. Tanker mooring buoy being established in position 20° 15' S 116° 17' E.
279 NW Coast. Drill rig *Sedco 702* in position 18° 59'.0 S 116° 19'.2 E. 2.5 NM clearance requested.
280 NW Coast. Seismic survey vessel *Western Legend* towing cables in area 19° 53' S to 21° 12' S and 114° 40' E to 115° 20' E. Wide berth requested
281 Cancelled.
282 NW Coast. Drill rig *Ensco 56* in position 19° 41'.7 S 116° 43'.2 E. 2.5 NM clearance requested.
283 NW Coast. Drill rig *Ron Tappmeyer* in position 21° 28'.8 S 115° 00'.4 E. 2.5 NM clearance requested.
284 Cancelled.
285 S Coast. Seismic survey vessel *Rig Seismic* towing 2.5NM cable in area 33° 00' S to 38° 30' S and 127° 00' E to 134° 00' E. Wide berth requested.
286 S Coast. MV *Flinders Tide* conducting underwater operations in position 35° 19' S 137° 46' E. Wide berth requested.

NAVAREA X WARNINGS

Nil issued.

Navigational warnings in force as at 061400UTC NOV 97.

Auscoast

234 235 236 238 239 240 243 244 246 247 258 270 273 277 278 279 280 282 283 285 286.

Navarea X

001 009 011 015 018 021 022 023.

Summary of mobile drilling rigs as at 061400UTC NOV 97.

Name	Position
Ocean Bounty	9° 38'.6 S 127° 58'.6 E
Ocean Epoch	10° 10'.1 S 127° 06'.7 E
Sedco 703	10° 32'.5 S 125° 51'.8 E
Sedco 702	18° 59'.0 S 116° 19'.2 E
Ensco 56	19° 41'.7 S 116° 43'.2 E
Maersk Victory	20° 17'.5 S 116° 16'.4 E
Ron Tappmeyer	21° 28'.8 S 115° 00'.4 E

NAVAREA XIV WARNINGS

- 182 Cancelled.
183 Cancelled.
184 Cancelled.
185 Cancelled.
186 Cancelled.

Navarea XIV warnings in force as at 060001UTC NOV 97.

171 176 177 179.

IV

HYDROGRAPHIC REPORTS

<i>Locality</i>	<i>Report</i>	<i>Ship/Authority</i>	<i>Observer</i>
INDIAN OCEAN- Christmas Island	Tower	HMAS <i>Geraldton</i>	
NSW- Coffs Harbour	Boat Harbour	HMAS <i>Wollongong</i>	
TAS- Launceston	Telephone numbers	HMAS <i>Flinders</i>	
WA- Careening Bay	Light beacons	HMAS <i>Otama</i>	