



Australian Notices to Mariners are the authority for correcting Australian Charts

AUSTRALIAN NOTICES TO MARINERS

© Commonwealth of Australia 1997 - Copyright restrictions apply to Notices to Mariners

Notices 445-473

Published fortnightly by the RAN Hydrographic Service

R. J. WILLIS,
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 042-21 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 06-230 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

The Commonwealth of Australia is the owner of the copyright in Notices to Mariners (NtoM). NtoM are protected under the Copyright Act 1968 and international convention. Except as expressly authorised below, NtoM may not be copied, reproduced, adapted, changed or commercially exploited in whole or in part, without the prior written permission of the Australian Hydrographic Office.

NtoM may be copied for the purpose of inserting their substance on official charts and other publication. However, any copies of NtoM may not be sold for profit.

NUMERICAL INDEX OF CHARTS AFFECTED

Edition No 16

1 August 1997

Notices	Aus Chart
445.....	Aus 81,5114,61109
446.....	Aus 176
447.....	Amendment to Annual Notice to Mariners 9.
448.....	Aus 245
449.....	Aus 256,827
450.....	Aus 310,311,411,4603
451.....	Aus 312,314,4060 (INT 60),4603 (INT 603)
452.....	Aus 414
453.....	Aus 4070 (INT 70),4071(INT 71)
454.....	Aus 112
455.....	Aus 125
456.....	Aus 167
457.....	Aus 157
458.....	Aus 4601 (INT 601)
459.....	Aus 4060 (INT 60)
460(T)	Aus 208
461(T)	Aus 236
462(T)	Aus 236
463(T)	Aus 236
464(T)	Aus 365
465(T)	Aus 243
466(T)	Aus 244
467(T)	Aus 250,826
468(T)	Aus 259
469(T)	Aus 829
470(T)	Aus 830
471(T)	Aus 370,374,375,426,821,833,835,4620,4621 (INT 621)
472(T)	Aus 157
473(T)	Aus 788

445 AUSTRALIA - Publications.

RAN Hydrographic Service (AH 17/3)

(1) New edition]

<i>Chart</i>	<i>Published</i>	<i>Title</i>	<i>Scale</i>	<i>Folio</i>	<i>Index Charts</i>	<i>Price</i>
Aus 81	30/5/97	Australia - West Coast - Western Australia - Approaches to Geraldton plan: Port of Geraldton	1:25 000 1:7 500	4	Aus 5020B	\$24.50
<i>Note:</i> Due to an error in the graticule a new edition of Aus81 has been published. Customers should return chart Aus81, dated 7 March 1997, to any accredited chart agent and receive a replacement free of charge.						

(2) Miscellaneous new chart

<i>Chart</i>	<i>Published</i>	<i>Title and limits</i>	<i>Scale</i>	<i>Folio</i>	<i>Index Charts</i>
Aus 61109	30/5/97	Northern Australia Exercise Area - General Operations Plot 9° 00' 00" S - 15° 30' 00" S 125° 30' 00" E - 136° 00' 00" E	1:1 000 000	2	Aus 65020C

(3) Miscellaneous new chart to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>
Aus5114	Australia - West Coast - Western Australia - Approaches to Rottnest Island	1:100 000

(4) Charts permanently withdrawn

<i>Chart</i>	<i>On publication of new chart or new Edition</i>
Aus81	Aus 81

446 AUSTRALIA - Miscellaneous chart corrections.

RAN Hydrographic Service (AH 17/3)

Aus 176 [113/97]

Insert	legend, <i>Adjoining Chart Aus 175</i> , in W border centred on	43° 20'.5 S	
	plan limits, with legend <i>See Plan</i> , in SW corner		
	North	43° 20'.65 S	
	South	43° 21'.42 S	
	West		146° 05'.49 E
	East		146° 07'.80 E
Delete	legend (see Plan)	43° 20'.63 S	146° 05'.92 E
		43° 21'.30 S	146° 07'.22 E
		43° 21'.48 S	146° 08'.00 E

Aus 176 (plan, Bathurst Harbour)

Insert	plan limits, with legend <i>See Plan</i> in SE corner by joining positions as follows	43° 18'.96 S	146° 07'.72 E
		43° 20'.71 S	146° 07'.72 E
		43° 21'.18 S	146° 08'.18 E
		43° 21'.83 S	146° 08'.18 E
		43° 21'.83 S	146° 06'.27 E
Delete	legend (see Plan)	43° 21'.3 S	146° 06'.3 E

447 AUSTRALIA - Publication - Amendment to Annual Notice to Mariners 9.
Designated Airspace Handbook 17 July 1997. (AH 17/117)

Substitute the [accompanying pages 54, 55, 56 & 57](#).

Note: diagram on page 73 will be updated shortly.

448* AUSTRALIA - QUEENSLAND - Gladstone - Wiggins Island - Buoys.

Former Notice - 376(T)/96 is cancelled

Central Queensland University (AH 58/8)

Aus 245 [419/97]

Insert white spherical buoy

23° 49'.02 S	151° 12'.95 E
23° 49'.02 S	151° 12'.80 E
23° 49'.02 S	151° 12'.77 E
23° 48'.97 S	151° 12'.23 E
23° 49'.02 S	151° 12'.22 E
23° 49'.09 S	151° 12'.20 E
23° 48'.62 S	151° 12'.65 E
23° 48'.72 S	151° 12'.47 E
23° 49'.24 S	151° 12'.76 E
23° 49'.20 S	151° 12'.70 E
23° 49'.18 S	151° 12'.65 E
23° 49'.16 S	151° 12'.57 E

449* AUSTRALIA - QUEENSLAND - Cape Pallarenda - Light beacon.
DOTQ Notice 188/78. (AH 58/78)

Aus 256 [349/97]

Substitute isolated danger light beacon, *Fl(2)* 8s, with topmark, for
drying rock

19° 11'.74 S

146° 46'.57 E

Aus 827 [349/97]

Substitute isolated danger light beacon, *Fl(2)* 8s, with topmark, for
drying rock

19° 11'.9 S

146° 46'.6 E

450* AUSTRALIA - TIMOR SEA - Sahual Banks - Flinders Shoal to Martin Shoal - Depth.
LADSU HI 235. (AH 63/126)

Aus 310 [77/97]

Substitute	depth, 7_5 m, for 8m	9° 43'.1 S	129° 02'.1 E
Insert	depth, 6_8 m, and extend 10m contour E to enclose	9° 52'.85 S	129° 17'.26 E
Delete	depth 8_4 m	9° 52'.8 S	129° 16'.7 E
	depth 12m	9° 52'.7 S	129° 17'.2 E

Aus 311 [77/97]

Substitute	depth, 7_5 m, for 8m	9° 43'.1 S	129° 02'.1 E
------------	------------------------	------------	--------------

Aus 411 [331/97]

Substitute	depth, 3_4 fms, for 5 fms	9° 53' S	129° 17' E
	depth, 4 fms, for 5 fms	9° 43' S	129° 02' E

Aus 4603 (INT 603) [422/97]

Substitute	depth, $7m$, for 9m	9° 53' S	129° 17' E
	depth, $7m$, enclosed by contour, for 9m enclosed by danger circle	9° 43' S	129° 02' E

451* AUSTRALIA - TIMOR SEA - Sahual Banks - Depths.
LADSU HI 235. (AH 63/126)

Aus 312 [218/97]

Insert	depth, 34m	10° 40'.16 S	126° 25'.08 E
	depth, 13 ₄ m	10° 42'.13 S	125° 51'.93 E
	depth, 15 ₁ m, enclosed by contour	10° 43'.04 S	125° 56'.86 E
	depth, 17 ₉ m	10° 42'.48 S	125° 49'.15 E
	depth, 13m	10° 47'.39 S	125° 43'.34 E
Substitute	depth, 13 ₈ m, for 16m Rep (1993)	10° 41'.4 S	125° 49'.6 E
	depth, 23 ₇ m, for 92m	10° 45'.4 S	125° 44'.5 E
Delete	depth 29m Rep (1988) enclosed by contour	10° 40'.1 S	126° 24'.6 E
	depth 43m	10° 40'.2 S	126° 25'.2 E
	danger circle, with legend Breaks Rep (1993)	10° 40'.9 S	126° 02'.9 E
	depth 22m	10° 42'.1 S	125° 52'.3 E
	depth 18 ₇ m Rep (1991) enclosed by contour	10° 43'.3 S	125° 56'.4 E
	depth 19m Rep (1993)	10° 42'.6 S	125° 49'.7 E
	depth 7 ₃ m and contour	10° 43'.8 S	125° 40'.3 E
	depth 25m	10° 47'.5 S	125° 44'.0 E
	depth 14 ₆ m and contour	10° 54'.0 S	125° 38'.4 E
	depth 7 ₆ m Rep (1992)	10° 58'.4 S	125° 42'.3 E
	depth 27m and contour	10° 59'.6 S	125° 41'.6 E

Aus 314 [637/96]

Delete	depth 27m and contour	10° 59'.6 S	125° 41'.6 E
--------	-----------------------	-------------	--------------

Aus 4060 (INT 60) [422/97]

Delete	depth 7m, with danger circle and legend Karmt Shoal	10° 44' S	125° 40' E
--------	---	-----------	------------

Aus 4603 (INT 603) [450/97]

Substitute	depth, 14m, enclosed by contour, for 16m enclosed by danger circle	10° 41' S	125° 50' E
Delete	danger circle	10° 41' S	126° 03' E
	depth 7m and danger circle	10° 58' S	125° 42' E
	depth 7m, with danger circle and legend Karmt Shoal	10° 44' S	125° 40' E

452 INDONESIA - Sumba Island - Nanga Amba Point - Light.
BA Notice 27/2372/97. (AH 80/78)

Aus 414 [240/97]
Delete light

9° 23'.8 S 119° 12'.9 E

453 INDIAN OCEAN - Chagos Archipelago - Depth southwestwards.

BA Notice 27/2361/97. (AH 82/126)

Aus 4070 (INT 70) [588/96]

Insert depth, 317m, enclosed by danger circle

8° 47' S

70° 17' E

Aus 4071 (INT 71) [588/96]

Insert depth, 317m, enclosed by danger circle

8° 47' S

70° 17' E

454* WESTERN AUSTRALIA - Fremantle - Depth northwestward.
FPA Notice 9/97. (AH 72/126)

Aus 112 [148/97]

Substitute depth, 15₂ m, for 14₉ m and delete contour

31° 58'.0 S

115° 40'.4 E

455* SOUTH AUSTRALIA - Kangaroo Island - American River - Beacons; jetty; dredged channel.
DOTSA Notice 12/97. (AH 71/9,22,50)

Aus 125 (plan, Eastern Cove and American River) [270/97]

Insert	port lateral beacon, with topmark	35° 46'.92 S	137° 47'.36 E
		35° 47'.01 S	137° 46'.97 E
Move	port lateral beacon	35° 46'.76 S	137° 47'.70 E
	to	35° 46'.81 S	137° 47'.68 E
	port lateral beacon	35° 46'.82 S	137° 47'.59 E
	to	35° 46'.88 S	137° 47'.54 E
	port lateral beacon	35° 46'.92 S	137° 47'.19 E
	to	35° 46'.97 S	137° 47'.16 E
	port lateral beacon	35° 47'.04 S	137° 46'.73 E
	to	35° 47'.07 S	137° 46'.74 E
	port lateral beacon	35° 47'.12 S	137° 46'.53 E
	to	35° 47'.17 S	137° 46'.55 E
	port lateral beacon	35° 47'.30 S	137° 46'.47 E
	to	35° 47'.33 S	137° 46'.47 E
Amend	beacon colour to <i>Green</i>	35° 47'.19 S	137° 46'.44 E
Delete	port lateral beacon	35° 47'.62 S	137° 46'.32 E
	dredged channel, with legend Channel dredged to 3m (1969), between	35° 46'.75 S	137° 47'.60 E
		35° 46'.73 S	137° 47'.81 E
	jetty centred on	35° 47'.26 S	137° 46'.58 E

456* AUSTRALIA - TASMANIA - Launceston - Inscription Point - Contour.

RAN Hydrographic Office. (AH 69/126)

Aus167 (plan, Bell Bay) [334/97]

Extend	2m contour SE, to enclose depth 18m (41° 08'.99 S 146° 49'.39 E), from	41° 08'.962 S	146° 49'.337 E
Delete	5m contour between	41° 08'.978 S 41° 09'.013 S	146° 49'.371 E 146° 49'.395 E

457* AUSTRALIA - VICTORIA - Port Phillip - Wilson Spit Channel - Buoys.

VCA Notice 56/97. (AH 66/80)

Aus 157 [152/97]

Substitute	north cardinal pillar light buoy, Q, for port lateral buoy	38° 08'.00 S	144° 31'.98 E
Delete	north cardinal light buoy	38° 07'.95 S	144° 31'.55 E

458 NEW ZEALAND - South Island - Depth.
New Zealand Notice 25/215/97 (*AH 87/126*)

Aus 4601 (INT 601) [81/97]

Delete depth 29m with contour

46° 06'.2 S

166° 23'.5 E

459 NEW ZEALAND - Kermadec Islands - Shoal depth northward.

New Zealand Notice 23/196/97 (*AH 81/126*)

Aus 4060 (INT 60) [*451/97*]

Insert depth *18m*, enclosed by danger circle

27° 24' S

179° 14' W

460(T)/97 AUSTRALIA - NEW SOUTH WALES - Newcastle - Depth information.

Former Notice - 123(T)/96 is cancelled
Newcastle Port Corporation. (AH 61/22)

Depths at wharves and in channels as at 30 May 1997

<i>Berth</i>	<i>Metres</i>
Tug Berth 1	5.3
* Tug Berth 2	5.4
* Tug Berth 3	6.0
* Tug Berth 4	7.3
Merewether Street West	7.0
Fishermen's Co-op Wharf	4.1
Lee Wharf 4	9.0
* Lee Wharf 5	8.6
Throsby 1	10.5
* Western Basin 1	8.8
* Western Basin 3	11.6
* Western Basin 4	12.0
* Eastern Basin 1	11.9
* Eastern Basin 2	11.1
* Dockyard 4	8.5
* Dyke 1	12.6
* Dyke 2	13.0
Dyke 4	16.0
* Dyke 5	15.4
Dyke 6	6.5
* BHP Wharf 2	9.6
* BHP Wharf 3	9.5
* BHP Wharf 4	7.9
BHP Wharf 5	12.3
* BHP Wharf 6	7.0
* Kooragang 2	11.4
* Kooragang 3	12.9
* Kooragang 4	16.4
Kooragang 5	16.5
Kooragang Ship Receiving KSR	7.0
 <i>Channels</i>	
* Entrance Channel to Horseshoe	15.1
* Basin Cut	12.7
Basin Area to 4 & 5 Lee	9.3
Basin Area to 1 Throsby	10.2
* Basin Area to Eastern & Western Basin Berths	12.6
* Stockton Crossing	4.0
Steelworks Channel to Swinging Basin	15.2
* Swing Basin	14.9
Swinging Basin to BHP	12.4
Carrington Basin Area (for vessels in excess of 250 metres)	10.2
* Indicates new or revised entry.	

Chart temporarily affected - Aus 208.

461(T)/97 AUSTRALIA - QUEENSLAND - Moreton Bay - Cabbage Tree Creek - Light beacon.

Former Notice - 592(T)/96 is cancelled.

DOTQ Notice 215/97. (AH 62/78)

Cancel this notice on receipt.

Chart formerly affected - Aus 236

462(T)/97 AUSTRALIA - QUEENSLAND - Raby Bay - Toondah Harbour - Dredging operations.

Date - Until 30 September 1997.

DOTQ Notice 214/97. (AH 62/22)

Dredging operations have commenced in Toondah Harbour (27° 31'.8 S 153° 17'.0 E).

Spoil will be pumped from the dredge via a pipeline to Raby Bay spoil ground (27° 29'.80 S 153° 17'.55 E). The pipeline runs from the dredge on shore, thence north along the shoreline to Cleveland Point (27° 30'.6 S 153° 17'.3 E), thence submerged to the spoil ground. The submerged pipeline will be marked by two light buoys, Q.Y.

Mariners should navigate with care in the vicinity of the dredge and pipeline.

Chart temporarily affected - Aus 236.

463(T)/97 AUSTRALIA - QUEENSLAND - Moreton Bay - Victoria Point - Jetty maintenance.

Date - Until 31 January 1998.

DOTQ Notice 218/97. (AH 62/50)

Maintenance work will commence on the Victoria Point Jetty (27° 35'.00 S 153° 19'.05 E). Works will be carried out from a barge, marked by two lights Q.Y. The barge will utilise a four point anchoring system and the anchors will be marked by buoys.

Mariners are advised to navigate with caution in the vicinity.

Chart temporarily affected - Aus 236.

464(T)/97 AUSTRALIA - QUEENSLAND - Noosa Head - Scientific instruments southward.

Date - Until 14 November 1997.

DOTQ Notice 209/97. (*AH 58/80*)

Three scientific instruments marked by special spar light buoys, *F*, have been temporarily established between 26° 28'.5 S 153° 07'.0 E and 26° 29'.5 S 153° 07'.0 E.

During maintenance periods, the light buoys will be replaced with large orange buoys, marked *University of Sydney 0416 270567*.

Mariners should navigate with caution in the vicinity.

Chart temporarily affected - Aus 365.

465(T)/97 AUSTRALIA - QUEENSLAND - Bundaberg - Burnett River - Dredging operations.

Date - Until 15 August 1997.

DOTQ Notice 211/97. (AH 58/22)

The dredge *John Francis* has commenced dredging operations between Middle Reach (24° 45'.57 S 152° 23'.2 E) and Sea Reach (24° 45'.37 S 152° 23'.9 E). The dredge will display appropriate shapes and signals and can be contacted on VHF Ch 16.

Mariners should navigate with care in the vicinity of the dredge.

Chart temporarily affected - Aus 243.

466(T)/97 AUSTRALIA - QUEENSLAND - Gladstone - Auckland Point - Wharf maintenance.

Date - Until 22 September 1997.

DOTQ Notice 221/97. (*AH 58/50*)

Maintenance work has commenced on Auckland Point No1 and No2 wharves (23° 50' S 151° 15'.4 E).

Mariners should navigate with care in the vicinity of the wharves.

Chart temporarily affected - Aus 244.

467(T)/97 AUSTRALIA - QUEENSLAND - Bowen - Light restored to normal.

Former Notice - 672(T)/96 is cancelled.

DOTQ Notice 411/97. (AH 58/78)

Cancel this notice on receipt.

Chart formerly affected - Aus 250 - Aus 826

468(T)/97 AUSTRALIA - QUEENSLAND - Port of Lucinda - Herbert River - Enterprise Channel - Wreck; buoy.

Date - Until further notice.

DOTQ Notice 205/97. (AH 57/150)

A wreck, the FV *Kylu*, exists in position 18° 31'.923 S 146° 18'.777 E. The wreck is marked by a special buoy.

Mariners should navigate with caution in the vicinity.

Chart temporarily affected - Aus 259.

469(T)/97 AUSTRALIA - QUEENSLAND - Mourilyan - Hall Rock - Light beacon destroyed.

Date - Until further notice.

DOTQ Notice 223/97. (AH 57/78)

The north cardinal light beacon (17° 36'.14 S 146° 07'.89 E) has been destroyed.

Mariners should navigate with caution in the vicinity.

Chart temporarily affected - Aus 829.

470(T)/97 AUSTRALIA - QUEENSLAND - Upolu Reef - Sonar targets westward.

Date - Until further notice.

HMAS *Waterhen*. (AH 57/126)

Sonar targets have been deployed in the following approx positions:

16° 41'.1 S	145° 54'.1 E
16° 41'.4 S	145° 54'.3 E
16° 41'.0 S	145° 53'.9 E
16° 41'.0 S	145° 54'.0 E

Chart temporarily affected - Aus 830.

471(T)/97 AUSTRALIA - QUEENSLAND - Mandatory ship reporting system.

Former Notice - 65(T)/97 is cancelled.

DOTQ Notice 210/97. (AH 58/107)

Mariners are advised that the Blossom, Pison and Hannibal mandatory reporting points are operational.

Mariners should note that because of the particular communications equipment which these remote sites necessitate, the initial call to *REEFCENTRE* from the ship will activate a satellite communications link to begin normal VHF simplex communications between the ship and *REEFCENTRE*.

An automatic acknowledgement, on the VHF working frequency, will be given by REEFCENTRE on receipt of the initial call from a ship, following which REEFCENTRE will respond to the ship in the normal manner once the satellite link has been activated. There is expected to be only minimal delay in establishing communications through this method under normal circumstances.

Chart temporarily affected - Aus 370 - Aus 374 - Aus 375 - Aus 426 - Aus 821 - Aus 833 - Aus 835 - Aus 4620 - Aus 4621.

472(T)/97 AUSTRALIA - VICTORIA - Geelong - Corio Bay - Construction works.

Date - Until 30 June 1998.

Victorian Channels Authority Notice 58/97. (AH 66/50)

Work has commenced on construction of a new Bulk Grain Pier between 38° 06'.83 S 144° 21'.93 E and 38° 06'.77 S 144° 21'.83 E. A temporary light, *Fl.Y.5s*, will be established at the east end of the pier.

Two mooring dolphins, with temporary lights *Fl.Y.5s*, will be constructed in the following positions:

38° 06'.85 S	144° 21'.98 E
38° 06'.83 S	144° 21'.96 E

A pile driving barge, contactable on VHF Ch 12 and on telephone 0418 397 094, will be in attendance. The barge will be lit at night by four lights, *Q.Y.*, and one fixed white light. Working hours are 0630 to 1730 Monday to Saturday.

Mariners are advised to navigate with caution within the vicinity of the barge.

Chart temporarily affected - Aus 157.

473(T)/97 AUSTRALIA - VICTORIA - Apollo Bay - Shoaling.

Date - Until further notice.

Department of Natural Resources & Victorian Channels Authority Notice 57/97. (AH 59/22)

Mariners are advised the Apollo Bay harbour entrance channel has been temporarily re-aligned, due to build up of sand in the entrance area. Reduced depth can be expected along the entrance leads, and all mariners are advised to pass to the west of same.

For further information contact Apollo Bay Harbour on 03 - 5237 6614.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 788.

III NAVIGATION WARNINGS

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

- 178 NW Coast. Drill rig *Ron Tappmeyer* in position 21° 18'.6 S 115° 13'.6 E, 2.5 NM clearance requested.
- 179 Cancelled.
- 180 Cancelled.
- 181 NE Coast. Orange pimple buoys mark the following:
 - (a) bottom mounted tide gauge in position 22° 26'.12 S 150 25'.5 E (West Ridge Bank).
 - (b) current meter deployed 1m below surface in position 22° 19'.36 S 150° 32'.9 E (Strong Tide Passage)
- 182 Cancelled.
- 183 SE Coast. Barracouta Platform (38° 18' S 147° 40' E) unlit.
- 184 Cancelled.
- 185 Cancelled.

NAVAREA X WARNINGS

- 014 PNG. Brumer Island light K3456 (10 ° 45'.1 S 150° 23'. 1 E) unlit.
- 015 Cancelled.

Navigational warnings in force as at 171400UTC JUL 97.

Auscoast

148 152 154 157 168 172 174 176 178 181 183.

Navarea X

001 009 011 012 013 014

Summary of mobile drilling rigs as at 171400UTC JUL 97.

Name	Position
Ocean Epoch	10° 10'.1 S 127° 06'.7 E
Ocean Bounty	10° 44'.9 S 126° 12'.1 E
Sedco 703	11° 52'.0 S 124° 54'.1 E
Sedco 702	19° 27'.1 S 116° 29'.3 E
Ron Tappmeyer	21° 18'.6 S 115° 13'.6 E
Java Constructor	20° 40'.0 S 115° 29'.5 E
Ensco 56	20° 40'.2 S 115° 30'.8 E

NAVAREA XIV WARNINGS

- 124 Tonga. Approaches to Alofa Harbour. A shoal depth of 4.9 metres (2 fathoms 4 feet) reported in position 21° 02'.20 S 175° 12'.11 W.
- 125 Cancelled.
- 126 Cancelled.
- 127 Cancelled.
- 128 New Zealand. Three King Islands. Burnt out hull of FV *Derado* drifting in position 34° 08' S 172° 12' E.

Navarea XIV warnings in force as at 170001UTC JUL 97.

107 113 114 124 128.

IV
HYDROGRAPHIC REPORTS

Nil

RESTRICTED AND DANGER					
QUEENSLAND					
Area	Name	Nature of Activity	Administrative Authority	Vertical Limits	Times of Use
YBBB/R676	Cape Moreton	Firing	Navy	NOTAM	NOTAM
YBBB/R678	Wide Bay	Firing	Army	(A) SFC-5000 (B) 5000-9500 (C) 9500-NOTAM	H24 NOTAM NOTAM
YBBB/R680	Akens Island	Firing	Army	NOTAM	NOTAM
YBBB/R682	Townshend Island	Gunnery practice	Army	NOTAM	NOTAM
YBBB/R683	Cape Clinton	Gunnery and weapons	Army	NOTAM	NOTAM
YBBB/R684	Mount Hummock	Firing	Army	(A) SFC-2000 (B) 2000-NOTAM	H24 NOTAM
YBBB/R686	Shoalwater Bay	Demolition	Army	SFC-10000	NOTAM
YBBB/R687	Raspberry Creek	Firing	Army	(A) SFC-2000 (B) 2000-NOTAM	H24 NOTAM
YBBB/R689	Shoalwater Bay	Weapons range	Army	NOTAM	NOTAM
YBBB/R692	Herbert Creek	Firing	Army	(A) SFC-2000 (B) 2000-8000 (C) 8000-NOTAM	H24 NOTAM NOTAM
YBBB/R693	Elliott	Firing	Navy	NOTAM	NOTAM
YBBB/R725	Saumarez Reef	Bombing	Air Force	NOTAM	NOTAM
YBBB/R747	Rattlesnake Island	Weapons range	Air Force	SFC-6000	NOTAM
YBBB/R748	Halifax Bay	Weapons range	Air Force	SFC-FL600	NOTAM

AREAS WITH ASSOCIATED AIRSPACE

Chart No	Area limits bounded by lines joining positions stated, unless otherwise indicated.	Chartlet No
Aus 365	R676 (a) 26° 57'.0 S 153° 25'.0 E (b) 26° 48'.0 S 153° 30'.0 E (c) 26° 52'.0 S 153° 40'.0 E (d) 27° 01'.0 S 153° 36'.0 E	3
Aus 817	R678 (a) 25° 58'.0 S 152° 50'.0 E (b) 25° 48'.0 S 152° 50'.0 E (c) 25° 48'.0 S 153° 02'.0 E (d) 25° 54'.0 S 153° 02'.0 E thence SW along Schnapper Creek to (e) 25° 56'.0 S 152° 59'.0 E (f) 25° 58'.0 S 152° 56'.0 E	3
Aus 822	R680 (a) 22° 17'.00 S 150° 12'.00 E (b) 22° 15'.00 S 150° 20'.00 E (c) 22° 12'.57 S 150° 25'.45 E (d) 22° 15'.10 S 150° 23'.70 E (e) 22° 17'.90 S 150° 23'.20 E (f) 22° 23'.70 S 150° 26'.20 E (g) 22° 30'.50 S 150° 27'.00 E thence N along the coast to 22° 19'.00 S 150° 10'.78 E	4
Aus 822	R682 (a) 22° 17'.90 S 150° 23'.20 E (b) 22° 15'.10 S 150° 23'.70 E (c) 22° 06'.00 S 150° 30'.00 E (d) 22° 06'.00 S 150° 45'.00 E (e) 22° 19'.00 S 150° 49'.00 E (f) 22° 19'.00 S 150° 33'.00 E (g) 22° 24'.30 S 150° 28'.00 E (h) 22° 23'.70 S 150° 26'.20 E (i) 22° 25'.93 S 150° 26'.47 E	4
Aus 367	R683 (a) 22° 30'.50 S 150° 27'.00 E (b) 22° 25'.93 S 150° 26'.47 E (c) 22° 19'.00 S 150° 33'.00 E (d) 22° 19'.00 S 150° 49'.00 E (e) 22° 41'.32 S 150° 50'.52 E	4
Aus 367	R684 (a) 22° 55'.00 S 150° 27'.00 E (b) 22° 30'.50 S 150° 27'.00 E (c) 22° 41'.32 S 150° 50'.52 E (d) 22° 49'.37 S 150° 47'.12 E (e) 22° 47'.95 S 150° 37'.35 E (f) 22° 54'.00 S 150° 36'.00 E	4
Aus 260	R686 A circle of 3 NM radius centred on 22° 23'.00 S 150° 30'.50 E	4
Aus 367	R687 (a) 22° 55'.00 S 150° 27'.00 E (b) 22° 52'.08 S 150° 16'.52 E (c) 22° 27'.07 S 150° 05'.77 E (d) 22° 19'.00 S 150° 10'.77 E thence SE along the coast to 22° 30'.50 S 150° 27'.00 E	4
Aus 367	R689 - 22° 27'.07 S 150° 05'.77 E, 22° 15'.15 S 150° 00'.67 E, thence the major arc of a circle of 30 NM radius centred on Raynham Island (22° 16' S 150° 33' E), to 22° 41'.32 S 150° 50'.52 E, 22° 19'.00 S 150° 49'.00 E, 22° 06'.00 S 150° 45'.00 E, 22° 06'.00 S 150° 30'.00 E, 22° 12'.57 S 150° 25'.45 E, 22° 15'.00 S 150° 20'.00 E, 22° 17'.00 S 150° 12'.00 E,	4
Aus 367	R692 (f) 22° 38'.00 S 150° 05'.50 E (a) 22° 27'.50 S 150° 05'.50 E (c) 22° 27'.07 S 150° 05'.77 E (d) 22° 52'.08 S 150° 16'.52 E (e) 22° 51'.50 S 150° 13'.50 E (f) 22° 44'.50 S 150° 08'.50 E	4
Aus 366	R693 (a) 24° 24'.0 S 152° 08'.0 E (b) 24° 11'.0 S 152° 31'.0 E (c) 24° 28'.0 S 152° 58'.0 E (d) 24° 41'.0 S 152° 34'.0 E	3
Aus 426	R725 A circle of 5 NM radius centred on 21° 51'.30 S 153° 38'.78 E	3
Aus 827	R747 A circle of 4.8 NM radius centred on 19° 02'.17 S 146° 36'.62 E	5
Aus 827	R748 (a) 19° 04'.93 S 146° 47'.68 E (b) 19° 08'.38 S 146° 43'.77 E (c) 19° 09'.00 S 146° 38'.50 E (d) 19° 01'.50 S 146° 28'.00 E (e) 18° 55'.55 S 146° 23'.58 E (f) 18° 49'.00 S 146° 26'.00 E (g) 18° 46'.00 S 146° 31'.00 E (h) 18° 49'.25 S 146° 34'.70 E thence the minor arc of a circle of 29 NM radius centred on Townsville (19° 16'.83 S 146° 44'.48 E), to 18° 48'.47 S 146° 51'.40 E	5

RESTRICTED AND DANGER					
QUEENSLAND					
<i>Area</i>	<i>Name</i>	<i>Nature of Activity</i>	<i>Administrative Authority</i>	<i>Vertical Limits</i>	<i>Times of Use</i>
YBBB/R768	Cairns	Firing	Navy	SFC-FL250	NOTAM
YBBB/R777	Cairns (Outer Reef)	Surface and AA firing	Navy	SFC-FL250	NOTAM
YB/R782	Lizard Island	Surface and AA firing	Navy	SFC-FL250	NOTAM
YB/R784	Cowley Beach	Firing	Army	(A) NOTAM	NOTAM
				(B) NOTAM	NOTAM

AREAS WITH ASSOCIATED AIRSPACE

<i>Chart No</i>	<i>Area limits bounded by lines joining positions stated, unless otherwise indicated.</i>	<i>Chartlet No</i>
Aus 829	R768 (a) 17° 19'.0 S 146° 08'.3 E (b) 17° 08'.0 S 146° 07'.0 E	6
Aus 830	(c) 17° 07'.0 S 146° 23'.0 E (d) 17° 22'.0 S 146° 25'.0 E	
	(e) 17° 23'.5 S 146° 13'.0 E	
Aus 830	R777 (a) 16° 41'.5 S 146° 15'.0 E (b) 16° 30'.0 S 146° 15'.0 E	6
	(c) 16° 30'.0 S 146° 33'.0 E (d) 16° 41'.5 S 146° 33'.0 E	
Aus 832	R782 (a) 14° 33'.0 S 145° 14'.0 E (b) 14° 28'.0 S 145° 22'.0 E	6
	(c) 14° 34'.0 S 145° 26'.0 E (d) 14° 40'.0 S 145° 18'.0 E	
Aus 829	R784A - 17° 40'.00 S 146° 03'.50 E, 17° 32'.65 S 146° 11'.38 E, thence the minor arc of a circle of 10.5 NM radius centred on 17° 40'.0 S 146° 03'.5 E, to 17° 47'.37 S 146° 11'.38 E	5
Aus 829	R784B - 17° 26'.0 S 146° 18'.5 E, thence the minor arc of a circle of 20 NM radius centred on 17° 40'.0 S 146° 03'.5 E, to 17° 54'.02 S 146° 18'.52 E, 17° 47'.37 S 146° 11'.38 E, thence the minor arc of a circle of 10.5 NM radius centred on 17° 40'.0 S 146° 03'.5 E, to 17° 32'.65 S 146° 11'.38 E	5