



Australian Notices to Mariners are the authority for correcting Australian Charts

# AUSTRALIAN NOTICES TO MARINERS

© Commonwealth of Australia 1999 - Copyright restrictions apply to Notices to Mariners

Notices 464 - 490

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](mailto:hni.hydro@navy.gov.au) or, alternatively by filling in and submitting the **Hydrographic Notes** forms, immediately on the discovery of new dangers or suspected dangers to navigation. For changes or defects in aids to navigation notify AusSAR (Fax 02-6230 6868).**

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

The Commonwealth of Australia is the owner of, or is otherwise responsible for, the copyright in this work. It is protected under the Copyright Act 1968 and international convention. Except as expressly authorised below, the work may not be copied, reproduced, adapted, changed or commercially exploited, in whole or in part, or the format in which it is stored altered, without the prior written permission of the Australian Hydrographic Office. The Notices may be copied for the purpose of inserting their substance on official charts and other publications. However, any copies of the notices may not be sold for profit.

## NUMERICAL INDEX OF CHARTS AFFECTED

Edition No 17

20 August 1999

Notices	Aus Chart
464	Aus 164, Aus 250, Aus 268, Aus 60830
465	Amendment to Annual Notices to Mariners No 9
466	Admiralty Publications- Selected current hydrographic publications
467	Aus 366, Aus 819
468	Aus 262
469	Aus 373, Aus 830
470	Aus 6
471	Aus 411, Aus 442
472	Aus 26, Aus 722
473	Aus 4603, Aus 4708, INT 603, INT 708
474	Aus 54
475	Aus 353, Aus 422, Aus 445B, Aus 790
476(T)	Aus 236
477(T)	Aus 236, Aus 237
478(T)	Aus 235, Aus 365
479(T)	Aus 241
480(T)	Aus 243
481(T)	Aus 247
482(T)	Aus 371, Aus 372, Aus 373, Aus 374, Aus 375, Aus 827, Aus 828, Aus 829, Aus 830, Aus 831, Aus 832, Aus 833, Aus 834, Aus 835, Aus 836, Aus 4620, Aus 4621
483(T)	Aus 829
484(T)	Aus 829, Aus 830
485(T)	Aus 262, Aus 830
486(T)	Aus 294
487(T)	Aus 376, Aus 378, Aus 840
488(P)	Aus 6, Aus 303
489(T)	Aus 143, Aus 158
490(T)	Aus 143, Aus 154, Aus 155

**464 AUSTRALIA - Publications.**  
HS RAN (99/5551 & 5662). (AH99/139, 229)

**New edition**

Chart	Published	Title and description of amendments	Scale	Folio	Index Chart	Price
Aus 164	11/6/99	Australia - Tasmania - Approaches to Devonport Plans	1:37 500	6	Aus 5020B	\$25.00
		Devonport	1:7 500			
		Ulverstone	1:7 500			
		<i>General updating throughout, including extension to swinging basin in Devonport.</i>				
		<i>Note: This chart is affected by Notice to Mariners 463(T)/99.</i>				

**New miscellaneous chart**

Chart	Published	Title	Scale	Index Chart	Remarks
Aus 60830	12/7/99	Cairns Fleet Chart	1:37 500	Aus 65020C	Fleet use only

**New chart to be published shortly**

Chart	Title	Scale
Aus 250	Australia - East Coast - Queensland - Plans of Hay Point and Mackay Plans:	
	Hay Point	1:15 000
	Mackay Harbour	1:10 000
Aus 268	Australia - East Coast - Queensland - Plans of Airlie Beach and Bowen Plans:	
	Approaches to Bowen	1:25 000
	Gloucester Passage	1:25 000
	Airlie Beach	1:15 000
	Bowen	1:10 000

**Chart permanently withdrawn**

Chart	On publication of new edition
Aus 164	Aus 164

**465 AUSTRALIA - Publication - Amendment to Annual Notices to Mariners No 9.**

Airservices Australia (99/5426). (AH 99/184)

Substitute accompanying correction R665A, R665B & R665C for R678A, R678B & R678C on [page 60](#).  
accompanying correction R679A & R679B for R677A & R677B on [page 60](#).  
accompanying chartlet No3 for chartlet No3 on [page 75](#).

**466 AUSTRALIA - Admiralty Publications - Selected current hydrographic publications.**

BA Notice 26/2418/99 (99/5428). (AH 99/226)

**(1) Current editions of Sailing Directions and their latest supplements**

NP No	Title	Edition	Supplement No
9	Antarctic Pilot	5th (1997)	
13	Australia Pilot Vol I	7th (1992)	2/1997
14	† Australia Pilot Vol II	6th (1982)	8/1997
15	Australia Pilot Vol III	7th (1996)	
17	Australia Pilot Vol V	7th (1992)	2/1997
33	Philippine Islands Pilot	1st (1978)	10/1996
34	Indonesia Pilot Vol II	1st (1976) (Revised 1983)	6/1996
35	Indonesia Pilot Vol III	1st (1980)	9/1996
36	Indonesia Pilot Vol I	2nd (1996)	
39	South Indian Ocean Pilot	9th (1990)	4/1999
44	Malacca Strait and West Coast of Sumatra Pilot	6th (1987)	4/1996
51	New Zealand Pilot	14th (1987)	5/1998
60	Pacific Islands Pilot Vol I	10th (1988)	4/1997
61	Pacific Islands Pilot Vol II	10th (1984)	6/1997
62	Pacific Islands Pilot Vol III	10th (1982)	7/1996
100	† The Mariners Handbook	6th (1989)	2/1996

136	Ocean Passages of the World	4th (1987)
735	Maritime Buoyage System	5th (1994)

† New or Revised Edition due for publication within one year.

\* New Supplement due for publication within 3 months

## (2) Admiralty List of lights and for signals

NP No	Current Edition	Remarks
83	Volume K, 1999	Published January 1999

## (3) Admiralty List of Radio Signals

NP No	Title		Remarks
281(2)	Volume 1, 1998/99 — Part 2:	Coast Radio Stations: Philippine Islands, Indonesia, Australasia, the Americas, Greenland and Iceland	Next Edition July 1999
282	Volume 2, 1999 —	Radio Navigational Aids, Electronic Position Fixing Systems and Radio Time Signals	Published February 1999
283(2)	Volume 3, 1999/00 — Part 2:	Radio Weather Services and Navigational Warnings Philippine Islands, Indonesia, Australasia, the Americas, Greenland and Iceland	Published June 1999
284	Volume 4, 1998/99 —	Meteorological Observation Stations	Published September 1998
<i>PC Versions of this volume can be obtained by using the special order form in the front of the publication.</i>			
285	Volume 5, 1999/00 —	Global Maritime Distress and Safety System (GMDSS)	Published July 1999
286(2)	Volume 6, 1998/99 — Part 2	Pilot Services and Port Operations Africa, Asia, Australia, the Americas, Greenland and Iceland	Published October 1998
287(2)	Volume 7, 1998/99 — Part 2	Vessel Traffic Services and Reporting Systems Africa, Asia, Australia, the Americas, Greenland and Iceland	Published November 1998
288	Volume 8, 1999/00 —	Satellite Navigation Systems	Published March 1999

## (4) Tidal publications

NP No	Admiralty Tide Tables (corrected by Annual Notice to Mariners 1/99)	
203-99	Volume 3	Indian Ocean and South China Sea (including Tidal Stream Tables)
204-99	Volume 4	Pacific Ocean (including Tidal Stream Tables)

NP No	Co-Tidal Atlas	
215	Edition 1	South-East Asia, 1979

NP No	Admiralty Tidal Prediction Software	Edition
158	Tidecalc	Version 1.1
158A3	Area 3 Red Sea, The Gulf, Iran, Pakistan, India, Maldives, Sri Lanka, Chagos Arch, Bangladesh, Burma, Andaman & Nicobar Is, Indian Ocean Is.	Version 3.0
158A4	Area 4 Thailand, Peninsular Malaysia, Sumatera, Banka, Billiton, Central China Sea, Vietnam, Philippines, Cambodia.	Version 2.0
158A5	Area 5 Sulu Arch, Borneo, Sabah, Brunei, Sarawak, Kalimantan, Celebes Sea, Jawa, Sulawesi, Bali, Irian Jaya, Papua New Guinea, Bismarck Arch.	Version 2.0
158A6	Area 6 Solomon Is, Vanuatu, Îles Loyauté, Nouvelle Calédonie, Australia.	Version 3.0
158A7	Area 7 New Zealand, Pacific Ocean Is, Samoa, Hawaii, Fiji, Marshall Is, Marianas Is, China.	Version 3.0
158A8	Area 8 Korea and Japan.	Version 2.0
158A9	Area 9 Pacific Russia, West Coast of Canada and USA, Mexico, West Coast of South America.	Version 2.0
158A10	Area 10 Antarctica, East Coast of South America, Caribbean, Bahamas, Bermuda.	Version 3.0
158A12	Area 12 Canadian Arctic, Alaska, Greenland, Iceland, Svalbard, Franz Joseph Land, Azores, Madeira, Canary Is, Cape Verde Is, West & East Coasts of Africa, Madagascar, Mauritius, Seychelles.	Version 3.0
159A	Simplified Harmonic Method of Tidal Prediction	Version 2.0

UK Hydrographic Office

**467\* AUSTRALIA - QUEENSLAND - Curtis Channel - Depths.**  
 HMAS *Benalla* HI 282 (99/5422). (AH 99/176)

**Aus 366 [429/99]**

Delete	legend, SD, centred on	23° 42'.0 S	151° 28'.6 E
		23° 40'.0 S	151° 28'.8 E
		23° 38'.1 S	151° 22'.8 E
		23° 36'.1 S	151° 21'.8 E

**Aus 819 [410/99]**

Insert	depth, 19 <sub>2</sub> m, enclosed by contour	23° 35'.42 S	151° 21'.26 E
--------	---	--------------	---------------

Delete	legend, unexam, centred on	23° 42'.0 S	151° 28'.6 E
		23° 40'.0 S	151° 28'.8 E
		23° 38'.1 S	151° 21'.4 E
		23° 36'.1 S	151° 21'.8 E

**468\* AUSTRALIA - QUEENSLAND - Cairns - Channel limits; buoys.**  
 Cairns Port Authority (99/5550). (AH 99/393)

**Aus 262 [431/99]**

Insert	pecked line between	16° 53'.885 S	145° 47'.545 E
		16° 54'.588 S	145° 47'.108 E
		16° 54'.708 S	145° 47'.075 E
	pecked line between	16° 54'.816 S	145° 47'.105 E
		16° 56'.077 S	145° 46'.800 E
		16° 56'.239 S	145° 46'.881 E

Move	special spherical light buoy	16° 56'.35 S	145° 46'.89 E
	to	16° 56'.339 S	145° 46'.883 E
	special spherical light buoy	16° 56'.59 S	145° 46'.81 E
	to	16° 56'.620 S	145° 46'.810 E
	starboard lateral light buoy	16° 56'.50 S	145° 46'.73 E
	to	16° 56'.488 S	145° 46'.738 E

Delete	pecked line between	16° 53'.885 S	145° 47'.545 E
		16° 54'.708 S	145° 47'.075 E
	pecked line between	16° 54'.816 S	145° 47'.105 E
		16° 54'.895 S	145° 47'.072 E
		16° 56'.059 S	145° 46'.794 E
		16° 56'.239 S	145° 46'.881 E

**Aus 262 (plan, Port of Cairns)**

Insert	pecked line between	16° 55'.093 S	145° 47'.039 E
		16° 56'.077 S	145° 46'.800 E
		16° 56'.239 S	145° 46'.881 E

Move	special spherical light buoy	16° 56'.35 S	145° 46'.89 E
	to	16° 56'.339 S	145° 46'.883 E
	special spherical light buoy	16° 56'.59 S	145° 46'.81 E
	to	16° 56'.620 S	145° 46'.810 E
	starboard lateral light buoy	16° 56'.50 S	145° 46'.73 E
	to	16° 56'.488 S	145° 46'.738 E

Delete	pecked line between	16° 55'.093 S	145° 47'.029 E
		16° 56'.059 S	145° 46'.794 E
		16° 56'.239 S	145° 46'.881 E
	depth 6 <sub>9</sub> m	16° 56'.49 S	145° 46'.73 E

**469\* AUSTRALIA - QUEENSLAND - Port Douglas - Shoal.**  
HMAS *Paluma* (99/5351) & Auscoast 234/99 (99/5473). (AH 99/175)

**Aus 373** [376/99]  
Insert depth 3<sub>2</sub>fm 16° 28'.11 S 145° 28'.28 E  
Delete depth 4fm 16° 28'.2 S 145° 28'.0 E

**Aus 830** [240/99]  
Insert depth 6<sub>3</sub>m 16° 28'.11 S 145° 28'.28 E  
Delete depth 7<sub>3</sub>m 16° 28'.1 S 145° 27'.9 E

**470\* AUSTRALIA - QUEENSLAND - Norman River - Light beacon.**  
Queensland Transport Notice 333/99 (99/5196). (AH 99/15)

**Aus 6** [NC 16/04/99]  
Insert special light beacon, Fl. Y. 2.5s, with topmark 17° 27'.583 S 140° 48'.274 E

**471\* AUSTRALIA - NORTHERN TERRITORY - Cuthbert Point - Depth northward.**  
MV *Caledon Bay* (99/5207). (AH 99/388)

**Aus 411** [177/99]  
Substitute depth, 6<sub>3</sub>fm, with legend *Rep* (1999), for 9<sub>2</sub>fm *Rep* (1997) 11° 30'.7 S 133° 51'.7 E

**Aus 442** [177/99]  
Substitute depth, 6<sub>3</sub>fm, with legend *Rep* (1999), for 9<sub>2</sub>fm *Rep* (1997) 11° 30'.7 S 133° 51'.7 E

**472\* AUSTRALIA - NORTHERN TERRITORY - Beagle Gulf - Middle Pass - Light buoy repositioned.**  
*Former Notice - 202(T)/99 is cancelled*  
DPA (99/5307). (AH 99/27)

**Aus 26** [377/99]  
Move starboard lateral buoy 12° 20'.89 S 130° 42'.92 E  
to 12° 20'.918 S 130° 42'.860 E  
Delete depth 11<sub>4</sub>m 12° 20'.92 S 130° 42'.86 E

**Aus 722** [377/99]  
Move starboard lateral buoy 12° 20'.89 S 130° 42'.92 E  
to 12° 20'.918 S 130° 42'.860 E

**473 INDONESIA - Sulawesi to Jawa - Ujungpadang to Surabaya - Submarine cable.**  
BA Notice 26/2330/99 (99/4983). (AH 99/359)

**Aus 4603 (INT 603)** [433/99]  
Insert accompanying block 5° 20' S 117° 00' E

**Aus 4708 (INT 708)** [416/99]  
Insert accompanying block 6° 20' S 115° 00' E

**474\* WESTERN AUSTRALIA - Port Hedland - Dredged depth.**  
PHPA (99/5568). (AH 99/394)

**Aus 54** [99/99]  
Amend maintained depth to 11.2m 20° 19'.1 S 118° 34'.3 E

**475\* AUSTRALIA - TASMANIA - Three Hummock Island - Tower.**  
SV *Westerly Serenade* (98/22218) & HMAS *Flinders* (98/3167). (AH 99/104)

**Aus 353** [416/96]

Delete legend TR (conspic)

40° 28'.5 S

144° 55'.0 E

**Aus 422** [435/99]

Delete tower

40° 28'.3 S

144° 53'.7 E

**Aus 445B** [215/99]

Delete tower

40° 28'.3 S

144° 53'.7 E

**Aus 790** [275/99]

Substitute fixed point, with legend *WIND SOCK*, for spot height 40m

40° 26'.6 S

144° 50'.5 E

Delete tower

40° 28'.3 S

144° 53'.7 E

**476(T)/99 AUSTRALIA - QUEENSLAND - Moreton Bay - Bramble Bay - Wreck; light buoy.**

*Date* - Until further notice

Queensland Transport Notice 348/99 (99/5435). (AH 98/292)

A wreck, marked by a special cylindrical light buoy *Fl. Y. 3s*, exists in position 27° 17'.95 S 153° 07.03 E.

**Chart temporarily affected - Aus 236.**

**477(T)/99 AUSTRALIA - QUEENSLAND - Brisbane River - Koopa Channel to Fisherman Islands - Scientific instruments; light buoys.**

*Date* - Until 2 September 1999

Queensland Transport Notice 352/99 (99/5436) (AH 98/146)

Scientific instruments, marked by special spherical light buoys *Q. Y*, exist in positions:

27° 21'.10 S 153° 10'.15 E

27° 20'.45 S 153° 11'.35 E

27° 22'.00 S 153° 11'.30 E

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

**Chart temporarily affected - Aus 236 - Aus 237.**

**478(T)/99 AUSTRALIA - QUEENSLAND - Point Cartwright to Gneering Shoal - Obstructions.**

*Date* - Until further notice

Queensland Transport Notice 364/99 (99/5810). (AH 99/176)

Obstructions exist in positions:

26° 40'.7 S 153° 11'.3 E

26° 39'.2 S 153° 12'.7 E

**Chart temporarily affected - Aus 235 - Aus 365.**

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

*Former Notice* - 221(T)/99 is cancelled

Queensland Transport Notice 343/99 (99/5391). (AH 99/14)

Cancel this notice on receipt.

**Chart formerly affected - Aus 241**

**480(T)/99 AUSTRALIA - QUEENSLAND - Bundaberg - Depth information.**

*Former Notice* - 482(T)/98 is cancelled

Queensland Transport Notice 345/99 (99/5391). (AH 99/343)

Available depth as at 21 July 1999:

	<i>Metres</i>	
	<i>LAT</i>	<i>ISLW (Chart Datum)</i>
Sea Reach	8.3	8.5
Middle Reach	8.3	8.5
Inner Reach	8.3	8.5
Swing Basin	6.8	7.0
Oil Berth	8.9	9.1
* BST Berth	10.0	10.2

\*Indicates new or revised entry.

**Chart temporarily affected - Aus 243.**

**481(T)/99 AUSTRALIA - QUEENSLAND - Port Alma - Depth information.**

Former Notice - 578(T)/98 is cancelled  
DOTQ Notice 363/99 (99/5810). (AH 99/376)

Available depths as at 28 August 1998:

	Metres	
	LAT	ISLW (Chart Datum)
Balacava Leads	7.6	7.9
Kazatch Leads	7.0	7.3
Eupatoria Leads	7.9	8.2
Shell Point Leads	7.0	7.3
Swing Basin	5.8	6.1
Berth No1	9.2	9.5
Berth No 2	9.2	9.5
* Berth No3	8.4	8.7

\*Indicates new or revised entry.

**Chart temporarily affected - Aus 247.**

**482(T)/99 AUSTRALIA - QUEENSLAND - Cape Cleveland to Cape Grenville - Military exercise.**

Date - Until 23 September 1999  
MHQ Aust (99/5790). (AH 99/183)

Military exercise *Crocodile 99* will be conducted from 19 September to 23 September within the following area:

12° 00' S 151° 00' E

12° 00' S 145° 00' E

19° 00' S 145° 00' E

19° 00' S 151° 00' E

**Chart temporarily affected - Aus 371 - Aus 372 - Aus 373 - Aus 374 - Aus 375 - Aus 827 - Aus 828 - Aus 829 - Aus 830 - Aus 831 - Aus 832 - Aus 833 - Aus 834 - Aus 835 - Aus 836 - Aus 4620 - Aus 4621.**

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

Former Notice - 226(T)/99 is cancelled  
Queensland Transport Notice 349/99 (99/5435). (AH 99/251)

Available depth as at 23 July 1999:

	Metres	
	LAT	ISLW (Chart Datum)
Departure Channel	9.6	10.0
Inner Channel	9.6	10.0
Swing Basin	6.7	7.1
* Sugar/Molasses Wharf	10.0	10.4

\*Indicates new or revised entry.

**Chart temporarily affected - Aus 829.**

**484(T)/99 AUSTRALIA - QUEENSLAND - Russell River - Buoys withdrawn.**

Date - Until further notice  
Queensland Transport Notice 350/99 (99/5435). (AH 99/13)

No1 starboard lateral buoy (17° 13'.47 S 145° 58'.43 E) and No2 port lateral buoy (17° 13'.40 S 145° 58'.24 E) have been temporarily withdrawn due to siltation of the channel.

Mariners should navigate with caution in the area.

**Chart temporarily affected - Aus 829 - Aus 830.**

**485(T)/99 AUSTRALIA - QUEENSLAND - Cairns - Depth information.**

*Former Notice - 249(T)/97 is cancelled*

Queensland Transport Notice 361/99 (99/5654). (AH 99/393)

Available depth of berths & channels as at 29 July 1999:

	<i>Metres</i>	
	<i>LAT</i>	<i>ISLW (Chart Datum)</i>
Entrance Channel	8.1	8.3
Crystal Swing Basin at:		
360 metre diameter	7.0	7.2
400 metre diameter	5.8	6.0
Swing Basin	8.3	8.5
No1 Wharf	8.2	8.4
No2 Wharf	8.6	8.8
No3 Wharf	8.6	8.8
No4 Wharf	8.0	8.2
No5 Wharf	6.9	7.1
No6 Wharf	7.1	7.3
No7 Wharf	9.3	9.5
No8 Wharf	10.0	10.2
No10 Wharf	9.3	9.5
No11 (Naval)	5.0	5.2
* No12 Wharf	10.1	10.3
Smith Creek No1	8.3	8.5
Smith Creek No2	4.9	5.1

\*Indicates new or revised entry.

**Chart temporarily affected - Aus 262 - Aus 830.**

**486(T)/99 AUSTRALIA - TORRES STRAIT - Jardine Rock - Light buoy lit.**

*Former Notice - 458(T)/99 is cancelled*

Queensland Transport Notice 358/99 (99/5563). (AH 99/13)

Cancel this notice on receipt.

**Chart formerly affected - Aus 294**

**487(T)/99 PAPUA NEW GUINEA - Daru - Light beacon destroyed.**

*Date - Until further notice*

*MV Goada Chief (99/5155). (AH 99/196)*

The light beacon (9° 03'.8 S 143° 13'.2 E) has been destroyed.

**Chart temporarily affected - Aus 376 - Aus 378 - Aus 840.**

**488(P)/99 AUSTRALIA - QUEENSLAND - Karumba - Light beacons to be established.**

Date - On or about 20 August

Queensland Transport Notice 351/99 (99/5436). (AH 99/15)

Light beacons, which will temporarily marked with lights Q. Y, will be established as follows:

<i>Number</i>	<i>Position</i>	<i>Characteristic</i>
No1	17° 25'.586 S 140° 43'.143 E	Fl. G. 4s
No2	17° 25'.534 S 140° 43'.174 E	Fl. R. 4s
No3	17° 25'.810 S 140° 43'.563 E	Fl. G. 4s
No4	17° 25'.758 S 140° 43'.593 E	Fl. R. 4s
No5	17° 26'.034 S 140° 43'.983 E	Fl. G. 4s
No6	17° 25'.982 S 140° 44'.013 E	Fl. R. 4s
No7	17° 26'.258 S 140° 44'.403 E	Fl. G. 4s
No8	17° 26'.206 S 140° 44'.433 E	Fl. R. 4s
No9	17° 26'.482 S 140° 44'.822 E	Fl. G. 4s
No10	17° 26'.430 S 140° 44'.853 E	Fl. R. 4s
No11	17° 26'.708 S 140° 45'.247 E	Fl. G. 4s
No12	17° 26'.648 S 140° 45'.313 E	Fl. R. 4s
No13	17° 26'.714 S 140° 45'.508 E	Fl. G. 4s
No14	17° 26'.655 S 140° 45'.502 E	Fl. R. 4s
No15	17° 26'.667 S 140° 46'.022 E	Fl. G. 4s
No16	17° 26'.608 S 140° 46'.016 E	Fl. R. 4s
No17	17° 26'.660 S 140° 46'.726 E	Fl. G. 4s
No18	17° 26'.570 S 140° 46'.749 E	Fl. R. 4s
No19	17° 27'.065 S 140° 47'.474 E	Fl. G. 4s
No20	17° 27'.015 S 140° 47'.508 E	Fl. R. 4s
No21	17° 27'.912 S 140° 49'.247 E	Fl. G. 4s
No22	17° 27'.614 S 140° 48'.852 E	Fl. R. 4s
No23	17° 28'.401 S 140° 50'.094 E	Fl. G. 4s
Front Lead	17° 26'.820 S 140° 45'.520 E	Q. Bu
Rear Lead	17° 27'.170 S 140° 46'.176 E	Iso. Y. 2s

Work will be carried out by a pile driving with tug *Harwood* in attendance. The tug can be contacted on VHF Ch 16.

Mariners should navigate with caution when passing

**Chart which will be affected - Aus 6 - Aus 303.****489(T)/99 AUSTRALIA - VICTORIA - Port Phillip - South Channel - Shoaling.**

Former Notice - 143(T)/99 is cancelled

Victorian Notice 43/99 (99/5605). (AH 99/209)

Shoaling has occurred within circular areas of positions as follows:

<i>Position</i>	<i>Radius</i>	<i>Least Depth</i>
38° 17'.90 S 144° 41'.69 E	20m	12.2m
38° 17'.92 S 144° 41'.78 E	20m	13.0m
38° 18'.02 S 144° 43'.28 E	50m	12.6m
38° 18'.03 S 144° 43'.35 E	20m	13.0m
38° 18'.05 S 144° 43'.41 E	50m	12.7m
38° 18'.10 S 144° 43'.65 E	50m	12.8m
38° 18'.35 S 144° 45'.01 E	60m	12.7m

**Chart temporarily affected - Aus 143 - Aus 158.****490(T)/99 AUSTRALIA - VICTORIA - Port Phillip - Sandringham - Dredging.**

Date - Until further notice

Victorian Notice 41/99 (99/5603). (AH 99/209)

Dredging is in progress by the dredge *Pelican* in the vicinity of 37° 57'.2 S 144° 59'.5 E. The dredge will transport the spoil to Princess Pier (37° 50.6 S 144° 55'.5 E).

The dredge will display signals and lights as per Rule 27 of the International Regulations for Preventing Collisions at Sea, and can be contacted on VHF Ch 12 or telephone 018 852 214.

Up to date information on the location of the dredge can be obtained from Harbour Control on VHF Ch 12.

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

**Chart temporarily affected - Aus 143 - Aus 154 - Aus 155.**

**III  
NAVIGATION WARNINGS**

The following radio messages have been received during the period to 6 August 1999. Signal copies of these messages may be destroyed. It is recommended that the reprint of Navigational Warnings should be kept in a file or a book divided into areas. Cancellation should be made on receipt of signals and reprints.

Rigs on location other than those listed in the latest Section III summary are the subject of Radio Navigational Warnings. Rigs in transit will not be the subject of Warnings.

**AUSCOAST WARNINGS**

- 240 Cancelled.
- 241 Cancelled.
- 242 SW Coast. Cable survey vessel *Sacor Argosy* conducting submarine cable/burial survey between 31° 49' S to 115° 18' E and 31° 42' S 114° 38' E.
- 243 Cancelled.
- 244 NW Coast. MV *Miss Clementine* conducting underwater operations in position 21° 10'.0 S 114° 42'.0 E.
- 245 Cancelled.
- 246 Cancelled.
- 247 NW Coast. Seismic survey vessel *Acardian Searcher* towing 2.5nm cable in area 14° 30' S to 15° 30' S and 121° 30' E to 122° 30'E.
- 248 Cancelled.
- 249 NE Coast. Breaksea Spit light buoy (24° 21'.2 S 153° 08'.8 E reported off station.

**NAVAREA X WARNINGS**

- 026 Timor Sea. Drill rig *Ocean Epoch* in position 9° 49'.8 S 127° 37'.6 E, 2.5M clearance requested.

**Navigational warnings in force as at 051500UTC AUG 99.**

**Auscoast**

1999 086 132 224 230 234 238 242 244 247 249.

**Navarea X**

024 026.

**Summary of mobile drilling rigs as at 051500UTC AUG 99.**

Name	Position
Ocean Epoch	9° 49'.8 S 127° 37'.6 E
Ron Tappmeyer	10° 40'.3 S 126° 06'.1 E
Ensco 56	20° 35'.0 S 115° 38'.1 E
Marine 500	20° 39'.4 S 114° 36'.4 E
Sedco 703	21° 27'.7 S 113° 59'.2 E
Sedco 702	38° 32'.5 S 148° 33'.2 E

**NAVAREA XIV WARNINGS**

- 096 Cancelled.
- 097 Cancelled.
- 098 Cancelled.
- 099 Cancelled.
- 100 Tasman Sea. Yellow cable marker light buoy, Q, in position 35° 51'.0 S 165° 22'.0 E.
- 101 Cancelled.
- 102 Cancelled.

**Navarea XIV warnings in force as at 050001UTC AUG 99.**

1999 074 100.

## HYDROGRAPHIC REPORTS

<i>Locality</i>	<i>Report</i>	<i>Ship/Authority</i>	<i>Observer</i>
NT- Cuthbert Point Cadell Strait Warnawi Island Bumaga Island	Depth Buoyage Leading beacons Rock	MV <i>Caledon Bay</i> HMAS <i>Geelong</i>	M Bresman
QLD- Whitehaven Bay	Light beacon	HMAS <i>Paluma</i>	
CORAL SEA- Middleton Reef	Wreck	HMAS <i>Warrnambool</i>	
PNG- Daru	Light beacon	MV <i>Goada Chief</i>	PPK Polewara