



Australian Notices to Mariners are the authority for correcting Australian Charts

AUSTRALIAN NOTICES TO MARINERS

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Notices 235-263
Temporay and Preliminary Notices in force

Published fortnightly by the Australian Hydrographic Office

G. J. GERAGHTY,
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, and Agents for the sale of charts and hydrographic publications.

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NUMERICAL INDEX OF CHARTS AFFECTED

Edition No 1

7 January 2000

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60(T).....	Temporary and Preliminary Notices

35 AUSTRALIA - Publications - New chart; chart permanently withdrawn.

AHO (99/9205). (AH 99/229)

New chart

Chart	Published	Title, limits and description of amendments	Scale	Folio	Index Chart	Price
Aus 249	12/11/99	Australia - East Coast - Queensland - Approaches to Hay Point and Mackay 20° 58' 28" S - 21° 26' 19" S 149° 09' 18" E - 149° 56' 19" E <i>A new chart Aus 249 with amended limits to provide improved coverage of the SE approach to Hay Point. The plan Hay Point has been incorporated in chart Aus 250. The chart is referred to WGS 84.</i> <i>Note: this chart is affected by Notices to Mariners 670(T)/98, 695(T)/99 & 711(P)/99.</i>	1:75 000	7	Aus 5020A & Aus5020B	\$25.00
Aus 253	12/11/99	Australia - East Coast - Queensland - Whitsunday Passage 20° 11' 44" S - 20° 25' 00" S 148° 40' 30" E - 149° 04' 33" E Plan: Shute Harbour 20° 16' 36" S - 20° 18' 48" S 148° 46' 56" E - 148° 48' 48" E <i>A new metric chart Aus 253 providing improved coverage of Whitsunday Passage, with plan of Shute Harbour. The chart is referred to WGS 84 and LAT.</i> <i>Note: this chart is affected by Notices to Mariners 536(T)/99, 624(T)/99 & 53(T)/2000.</i>	1:37 500 1:15 000	8	Aus 5020A	\$25.00
Aus 254	12/11/99	Australia - East Coast - Queensland - Plans in Whitsundays Plans: Hook Reef 19° 42' 01" S - 19° 51' 02" S 149° 03' 38" E - 149° 16' 39" E Lindeman Island 20° 24' 45" S - 20° 32' 20" S 149° 00' 00" E - 149° 05' 40" E Fitzalan Passage 20° 17' 09" S - 20° 20' 24" S 148° 54' 02" E - 148° 57' 48" E Hamilton and Dent Islands 20° 19' 48" S - 20° 22' 58" S 148° 54' 58" E - 148° 57' 36" E Stonehaven Anchorage 20° 02' 27" S - 20° 06' 42" S 148° 51' 51" E - 148° 55' 00" E <i>A new metric chart, replacing plans on charts Aus 253 & Aus 254, including new plans of Hook Reef, Fitzalan Passage and Hamilton and Dent Islands. The chart is referred to WGS 84 and LAT.</i> <i>Note: this chart is affected by Notice to Mariners 54(T)/2000</i>	1:75 000 1:37 500 1:25 000 1:15 000 1:12 500	8	Aus 5020A	\$25.00
Aus 4074 INT 74	12/11/99	Southern Ocean - Cape Darnley to Tasmania 39° 04' 10" S - 70° 38' 00" S 61° 18' 00" E - 161° 42' 17" E <i>Former BA chart 4074, published as INT 74, the limits have been extended E to include Macquarie Island.</i>	1:10 000 000	1	Aus 5020B	\$25.00

Chart permanently withdrawn

Chart	On publication of new chart
Aus 249	Aus 249
Aus 253	Aus 253
Aus 254	Aus 254

36* AUSTRALIA - Miscellaneous Corrections.

AHO (99/9327). (AH 99/243)

Aus 252 [680/99]

Amend	legend, to Aus 254, centred on	20° 31'.5 S	149° 00'.7 E
	chart limits of Aus 253 centred on	20° 17'.0 S	148° 49'.0 E
	to North	20° 11.82 S	
	South	20° 25'.09 S	
	East		149° 04'.57 E
Delete	chart limits, with legend Aus 253, centred on	20° 15'.5 S	148° 56'.5 E
		20° 51'.5 S	148° 56'.5 E

Aus 356 [569/98]

Substitute	<i>On certain copies only</i> accompanying note	41° 28' S	146° 48' E
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Aus 821 [623/98]

Amend	chart limits of Aus 249 centred on	20° 58' S	149° 45' E
	to North	20° 58.5 S	
	East		149° 56'.3 E

Aus 823 [656/99]

Amend	chart limits of Aus 249 centred on	21° 08' S	149° 30' E
	to North	20° 58.5 S	
	South	21° 26'.3 S	
	West		149° 09'.3 E
	East		149° 56'.3 E

Aus 824 [680/99]

Amend	chart limits of Aus 249 centred on	20° 58' S	149° 30' E
	to North	20° 58.5 S	
	West		149° 09'.3 E
	East		149° 56'.3 E

Aus 825 [721/99]

Insert	chart limits, with legend Aus 254 in SE corner		
	North	19° 42'.1 S	
	South	19° 51'.1 S	
	West		149° 03'.6 E
	East		149° 16'.7 E

Aus 4060 (INT 60) [647/99]

Amend	legend, to <i>Adjoining Chart INT 74</i> , outside S border	127° 00' E
	legend, to <i>Adjoining Chart INT 65</i> , outside S border	172° 00' E

Aus 4070 (INT 70) [654/99]

Amend	legend, to <i>Adjoining Chart INT 74</i> , outside S border	87° 00' E
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37* AUSTRALIA - NEW SOUTH WALES - Newcastle - Nobbys Head - Light buoy.

Newcastle Port Corp (99/8816). (AH 99/18)

Aus 208 [NE 29/10/99]

Amend	light buoy to VQ(5)20s	32° 54'.84 S	151° 48'.51 E
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38* AUSTRALIA - QUEENSLAND - Moreton Bay - Peel Island - Buoy withdrawn.

Queensland Transport Notice 561/99 (99/9289). (AH 99/14)

Aus 236 [702/99]

Delete	special spherical light buoy	27° 29'.42 S	153° 19'.36 E
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39* AUSTRALIA - QUEENSLAND - Brisbane River - Eagle Farm Flats - Lights.

Queensland Transport (99/9278). (AH 99/16)

Aus 238 [722/99]

Amend	light to <i>F. Bu & Q. Bu (F. Y day)</i>	27° 25'.99 S	153° 06'.95 E
	light to <i>F. Bu & Iso. Bu. 2s (F. Y day)</i>	27° 26'.03 S	153° 06'.88 E
	light beacon to <i>F. R (F. Y day)</i>	27° 26'.98 S	153° 05'.41 E
Insert	light beacon, <i>Fl. R. 3s</i>	27° 26'.946 S	153° 05'.466 E
Delete	light	27° 26'.99 S	153° 05'.45 E
	pile	27° 26'.96 S	153° 05'.43 E

40* AUSTRALIA - CORAL SEA - Kenn Reef - Shoal.

FV Bass (99/9282). (AH 99/179)

Aus 611 (plan, Kenn Reefs) [721/98]

Insert	depth, 5_1 m, enclosed by contour, with legend <i>Rep (1999)</i>	21° 15'.59 S	155° 44'.36 E
Delete	depth 22m	21° 15'.6 S	155° 44'.2 E

41* AUSTRALIA - QUEENSLAND - Bait Reef - Wreck westward.*Former Notice - 666(T)/99 is cancelled*

Queensland Transport Notice 531/99 (99/8718). (AH 98/288)

Aus 371 [723/99]

Insert	non dangerous wreck	19° 46'.8 S	148° 57'.4 E
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Aus 825 [36/2000]

Insert	non dangerous wreck	19° 46'.8 S	148° 57'.4 E
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42* AUSTRALIA - QUEENSLAND - Cape Bowling Green - Shoaling.Nuship *Leeuwin* (99/9176) (AH 99/9176)**Aus 371 [41/2000]**

Insert	low water line extending from	19° 18'.1 S	147° 23'.5 E
	to	19° 18'.2 S	147° 22'.9 E

Aus 827 [723/99]

Insert	low water line extending from	19° 18'.1 S	147° 23'.5 E
	to	19° 18'.2 S	147° 22'.9 E
Delete	depth 5_3 fm	19° 18'.2 S	147° 23'.2 E

43* AUSTRALIA - QUEENSLAND - Torres Strait - Tidal information.

AMSA (99/9354). (AH 99/516)

Aus 289 [497/99]

Substitute	accompanying note	10° 36'.0 S	141° 57'.3 E
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Aus 292 [525/99]

Substitute	accompanying note	10° 45'.8 S	142° 29'.0 E
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Aus 293 [525/99]

Substitute	accompanying note	10° 25'.2 S	142° 17'.5 E
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Aus 294 [497/99]

Substitute	accompanying note	10° 40'.4 S	142° 10'.4 E
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Aus 296 [497/99]

Substitute	accompanying note	10° 25'.6 S	142° 30'.2 E
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Aus 299 [86/98]

Substitute	accompanying note	10° 33'.3 S	142° 12'.4 E
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44* PAPUA NEW GUINEA - North Island - Light range amended.

List of Lights Vol K/99 -- 3448
 DOT&CA PNG (99/6849). (99/45)

Aus 383 [312/96]

Amend	light range to 10M	10° 13'.1 S	151° 52'.0 E
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Aus 4621 (INT 621) [681/99]

Amend	light range to 10M	10° 13'.1 S	151° 52'.0 E
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45* PAPUA NEW GUINEA - Cape Orford to Mait Island - Light ranges altered.

List of Lights Vol K/99 -- 3492, 3495, 3506, 3512, 3514
 DOT&CA PNG (99/6849). (AH 99/45)

Aus 395 [119/96]

Amend	light range to 10M	4° 04'.5 S	151° 31'.2 E
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Aus 397 [721/99]

Amend	light range to 10M	4° 50'.9 S	152° 52'.9 E
		4° 09'.9 S	152° 25'.2 E
		4° 04'.5 S	151° 31'.2 E

Aus 461 [721/99]

Amend	light range to 10M	5° 26'.0 S	152° 06'.0 E
		4° 50'.9 S	152° 53'.9 E
		4° 09'.9 S	152° 26'.2 E
		4° 04'.5 S	151° 32'.4 E
		3° 00'.1 S	150° 44'.6 E

Aus 668 (plan, Cape St George to Sperber Point) [467/95]

Amend	light range to 10M	4° 50'.9 S	152° 52'.9 E
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Aus 679 (plan, Duke of York Group) [467/95]

Amend	light range to 10M	4° 09'.5 S	152° 25'.8 E
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Aus 680 [726/98]

Amend	light range to 10M	4° 09'.9 S	152° 24'.7 E
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Aus 4622 (INT 622) [546/99]

Amend	light range to 10M	5° 26'.0 S	152° 06'.0 E
		4° 50'.9 S	152° 52'.6 E
		4° 09'.9 S	152° 25'.7 E
		4° 04'.5 S	151° 31'.0 E
		3° 00'.1 S	150° 43'.6 E

46* WESTERN AUSTRALIA - Koojarra Shoal - Depths.

Former Notice - 540(T)/99 is cancelled
 LADS (99/9280). (AH 97/95)

Aus 318 [46/99]

Insert	depth, 0 ₈ m, enclosed by contour, with legend <i>Koojarra Shoal</i>	13° 47'.21 S	126° 34'.53 E
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Delete	island, with legend Koojarra Island	13° 47'.6 S	126° 35'.4 E
	dangerous rock and enclosing danger circle	13° 47'.3 S	126° 35'.2 E
	depth 19 ₅ m	13° 47'.2 S	126° 34'.0 E
	legend, Inadequately Surveyed (see Note), centred on	13° 44'.2 S	126° 38'.0 E

Aus 727 [46/99]

Insert	accompanying block	13° 47' S	126° 35' E
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47* WESTERN AUSTRALIA - Challenger Passage - Lights altered.

List of Lights Vol K/99 -- 1773.51,1773.50

Transport WA (99/9204). (AH 99/29)

Aus 117 [244/99]

Amend	light to <i>Q.RG.6m3M</i>	32° 08'.66 S	115° 40'.00 E
	light to <i>Iso.RG.4s9m3M</i>	32° 08'.73 S	115° 40'.25 E

Aus 754 [529/99]

Amend	light to <i>Q.RG</i>	32° 08'.73 S	115° 39'.92 E
	light to <i>Iso.RG.4s</i>	32° 08'.80 S	115° 40'.17 E

48* SOUTH AUSTRALIA - Port Gawler - Aquaculture site.

Former Notice - 200(T)/97 is cancelled

PIRSA (99/6967). (AH 99/453)

Aus 781 [706/99]

Insert	magenta pecked line, with legend <i>Shellfish Beds</i> (see Note), between	34° 43'.56 S	138° 17'.82 E
		34° 42'.58 S	138° 18'.90 E
		34° 42'.59 S	138° 19'.23 E
		34° 43'.29 S	138° 20'.13 E
		34° 44'.79 S	138° 21'.06 E
		34° 45'.00 S	138° 21'.05 E
		34° 45'.44 S	138° 19'.73 E
		34° 45'.44 S	138° 19'.40 E
		34° 43'.78 S	138° 17'.82 E
		34° 18'.0 S	138° 25'.0 E

[accompanying note](#)**Aus 781 (plan, Approaches to Port Adelaide)**

Insert	magenta pecked line, with legend <i>Shellfish Beds</i> (see Note), between	34° 44'.00 S	138° 20'.58 E
		34° 44'.79 S	138° 21'.06 E
		34° 45'.00 S	138° 21'.05 E
		34° 45'.44 S	138° 19'.73 E
		34° 45'.44 S	138° 19'.40 E
		34° 44'.00 S	138° 18'.00 E

49* AUSTRALIA - TASMANIA - Mercury Passage - Marine farm.

Marine & Safety Tasmania (99/8612). (AH 99/387)

Aus 170 [273/99]

Insert	pecked line, in magenta, with legend <i>Shellfish Beds</i> (see Note), between	42° 37'.16 S	148° 00'.15 E
		42° 34'.58 S	148° 01'.85 E
		42° 34'.20 S	148° 00'.00 E
		42° 35'.44 S	147° 58'.33 E
		42° 36'.56 S	147° 58'.43 E
		42° 37'.20 S	147° 59'.80 E
	prohibited entry area, with legend <i>Entry Prohibited</i> , between	42° 36'.51 S	147° 58'.48 E
		42° 36'.65 S	147° 58'.79 E
		42° 35'.71 S	147° 59'.51 E
		42° 35'.57 S	147° 59'.20 E
	special spar light buoy, <i>Fl. Y. 4s</i> , with topmark	42° 37'.16 S	148° 00'.15 E
		42° 34'.58 S	148° 01'.85 E
		42° 34'.20 S	148° 00'.00 E
		42° 35'.44 S	147° 58'.33 E
		42° 36'.56 S	147° 58'.43 E
		42° 35'.71 S	147° 59'.51 E
	special spar buoy, without topmark	42° 36'.51 S	147° 58'.48 E
		42° 35'.57 S	147° 59'.20 E
	accompanying note	42° 29'.57 S	147° 55'.20 E

Delete	prohibited anchorage area, with legend Scallop Culture, centred on	42° 35'.5 S	148° 00'.0 E
	spare light buoy	42° 34'.60 S	148° 00'.70 E
		42° 34'.85 S	148° 01'.35 E
		42° 37'.10 S	147° 59'.80 E
		42° 36'.80 S	147° 59'.10 E

Aus170 (plan, Approaches to Spring Bay)

Insert pecked line, in magenta, with legend *Shellfish Beds* (see *Note*), between

42° 37'.16 S	148° 00'.15 E
42° 34'.58 S	148° 01'.85 E
42° 34'.20 S	148° 00'.00 E
42° 35'.44 S	147° 58'.33 E
42° 36'.56 S	147° 58'.43 E
42° 37'.20 S	147° 59'.80 E

prohibited entry area, with legend *Entry Prohibited*, between

42° 36'.51 S	147° 58'.48 E
42° 36'.65 S	147° 58'.79 E
42° 35'.71 S	147° 59'.51 E
42° 35'.57 S	147° 59'.20 E

special spar light buoy, *Fl. Y. 4s*, with topmark

42° 37'.16 S	148° 00'.15 E
42° 34'.58 S	148° 01'.85 E
42° 34'.20 S	148° 00'.00 E
42° 35'.44 S	147° 58'.33 E
42° 36'.56 S	147° 58'.43 E
42° 35'.71 S	147° 59'.51 E

special spar buoy, without topmark

42° 36'.51 S	147° 58'.48 E
42° 35'.57 S	147° 59'.20 E

Delete prohibited anchorage area, with legend *Scallop Culture*,
centred on
spar light buoy

42° 35'.5 S	148° 00'.0 E
42° 34'.60 S	148° 00'.70 E
42° 34'.85 S	148° 01'.35 E
42° 37'.10 S	147° 59'.80 E
42° 36'.80 S	147° 59'.10 E

Aus 355 [307/97]

Delete prohibited anchorage area centred on

42° 35'.5 S	148° 00'.0 E
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50(T)/2000 AUSTRALIA - QUEENSLAND - Gold Coast Seaway - Shoaling dispersed.

Former Notice - 56(T)/99 is cancelled

Queensland Transport Notice 569/99 (99/9356). (AH 99/176)

Cancel this notice on receipt.

Chart formerly affected - Aus 814

51(T)/2000 AUSTRALIA - QUEENSLAND - Brisbane River - Fisherman Islands - Dredging operations.

Date - Until further notice

Queensland Transport Notice 559/99 (99/9289). (AH 99/323)

The dredge *Juno* is conducting dredging operations in vicinity of Berth No7 (27° 22'.07 S 153° 10'.43 E).

Mariners should navigate in the area with caution.

Chart temporarily affected - Aus 237.

52(T)/2000 AUSTRALIA - QUEENSLAND - Brisbane River - Bulimba Reach - Harbour works.

Date - Until 30 January 2000

Queensland Transport Notice 540/99 (99/8889). (AH 99/207)

Demolition of Capricorn Wharf (27° 27'.60 S 153° 03'.08 E) is in progress.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 238.

53(T)/2000 AUSTRALIA - QUEENSLAND - Shute Harbour - Light buoys.

Date - Until further notice

Queensland Transport Notice 543/99 (99/9075). (AH 99/14)

A special light buoy, *Fl.Y.3s*, has been temporarily established in position 20° 17'.656 S 148° 47'.656 E and a port lateral light buoy, *Fl.R.3s*, temporarily established in position 20° 17'.659 S 148° 47'.144 E.

Chart temporarily affected - Aus 253.

54(T)/2000 AUSTRALIA - QUEENSLAND - Hayman Island - The Narrows - Light beacon destroyed; light buoy.

Date - Until further notice

Queensland Transport Notice 574/99 (99/9356). (AH 99/16)

The starboard lateral light beacon (20° 03'.9 S 148° 54'.1 E) has been destroyed; a starboard lateral light buoy, *Fl.G.6s*, exists in situ.

Chart temporarily affected - Aus 252 - Aus 254.

55(T)/2000 WESTERN AUSTRALIA - Sahul Banks - Scientific instrument.

Date - Until 1 January 2001

WNI Science & Engineering fax 19991213.1004.CEW (99/9355). (AH 99/212)

A lit waverider buoy, *Fl(5)Y.20s*, exists in position 10° 51'.06 S 126° 35'.40 E.

Mariners are not to use the buoy as a mooring.

Chart temporarily affected - Aus 312.

56(T)/2000 WESTERN AUSTRALIA - Onslow - Beadon Creek - Dredging completed.

Former Notice - 575(T)/99 is cancelled

Transport WA (99/9394). (AH 99/216)

Cancel this notice on receipt.

Chart formerly affected - Aus 743

57(T)/2000 AUSTRALIA - VICTORIA - Gippsland Lake - Shoaling removed.

Former Notice - 333(T)/98 is cancelled

Victorian Notice 84/99 (99/9430). (AH 99/214)

Cancel this notice on receipt.

Chart formerly affected - Aus 182

58(T)/2000 AUSTRALIA - VICTORIA - Lakes Entrance - Wreck; light buoy.

Date - Until further notice

Victorian Notice 83/99 (99/9092). (AH 98/231)

A dangerous wreck, SV *Ocean Reef*, marked by an isolated danger spar light buoy, *Fl(2)6s*, exists in position 37° 53'.51 S 147° 58'.46 E.

Chart temporarily affected - Aus 182.

59(T)/00 AUSTRALIA - VICTORIA - Gabo Island - Wreck salvaged; light buoy withdrawn.

Former Notice - 425(T)/99 is cancelled

Parks Victoria (99/4472). (AH 98/231)

Cancel this notice on receipt.

Chart formerly affected - Aus 806

60(T)/2000 AUSTRALIA - Temporary and Preliminary Notices.

Former Notice - 582(T)/99 is cancelled

AHO (99/9496). (AH 99/253)

<i>Notice</i>	<i>Charts affected</i>	<i>Locality and Subject</i>
MISCELLANEOUS		
742/99		Summer time
NEW SOUTH WALES		
<i>Botany Bay</i>		
55/99	Aus198-199	Scientific instruments
<i>Brisbane Water</i>		
460/95	Aus204.....	Aids to navigation
83/97	Aus204.....	Shoaling
<i>Cabbage Tree Island</i>		
389/99	Aus209-362-809-810	Fish farm
<i>Cape Three Points</i>		
388/99	Aus197-204-361-809	Waverider buoy
<i>Green Cape to Point Danger</i>		
89/99	Aus197-806-807-808-810-812-813	Waverider and research buoys
<i>Port Jackson</i>		
663/99	Aus200-202	Harbour works
<i>Tweed River</i>		
689/99	Aus814.....	Waverider buoy
NORTHERN TERRITORY		
<i>Darwin</i>		
283/99	Aus26.....	Obstruction; light buoys
716/99	Aus28.....	Depth information
<i>Evans Shoal</i>		
669/99	Aus310-411	Scientific instruments eastward
QUEENSLAND		
<i>Brisbane River</i>		
190/99	Aus238.....	Harbour works
323/99	Aus237.....	Mooring buoy; pipeline
392/99	Aus238.....	Harbour works
617/99	Aus237.....	Harbour works
51/2000	Aus237.....	Dredging operations
52/2000	Aus238.....	Harbour works
<i>Bundaberg</i>		
164/99	Aus243.....	Shoaling
192/99	Aus243.....	Harbour works
324/99	Aus243.....	Cable ferry operations
480/99	Aus243.....	Depth information
<i>Cairns</i>		
485/99	Aus262-830	Depth information
668/99	Aus262.....	Harbour works
<i>Cooktown</i>		
61/99	Aus831.....	Light beacon destroyed
457/99	Aus831.....	Light beacon destroyed; temporary buoy
<i>Edwin Rock</i>		
665/99	Aus371-825	Wreck
<i>Fitzroy Island</i>		
356/98	Aus372-373-830.....	Obstructions

		<i>Gladstone</i>
576/98	Aus246.....	Light beacon destroyed; light buoy established
278/99	Aus366-819	Light beacon destroyed; light buoy
456/99	Aus244.....	Depth information
618/99	Aus244-245	Harbour works
		<i>Gold Coast</i>
437/99	Aus814.....	Artificial reef; buoys
594/99	Aus814.....	Light buoys
		<i>Gulf of Carpentaria</i>
736/99	Aus410.....	Scientific instrument
		<i>Hay Point</i>
670/98	Aus823.....	Obstruction
711/99	Aus249-250	Anchorage
734/99	Aus250.....	Depth information
		<i>Hayman Island</i>
54/2000	Aus252-254	Light beacon destroyed; light buoy
		<i>Henning Island</i>
622/99	Aus252-824	Scientific instrument
		<i>Hinchinbrook Channel</i>
605/98	Aus258-259	Light buoys
		<i>Ingham</i>
508/99	Aus252-255-256-257-258-259- 262-370-371-372-373-615- 616-821-824-825-826-827- 828-829-830-831-4620-4621	Differential global positioning system
		<i>Karumba</i>
316/97	Aus6-303.....	Beacon destroyed
609/98	Aus6-303.....	Norman River- Wharf
95/99	Aus6-303.....	Light beacons; light buoys
488/99	Aus6-303.....	Light beacons to be established
		<i>Low Isles</i>
120/99	Aus830-831	Waverider buoy
		<i>Mackay</i>
60/99	Aus250.....	Harbour works
621/99	Aus250.....	Depth information
		<i>Mackay Reef to Lark Reef</i>
595/99	Aus373-831	Scientific instruments
		<i>Mooloolah River</i>
140/99	Aus235.....	Light beacon damaged
		<i>Moreton Bay</i>
704/98	Aus236.....	Jetty
255/99	Aus236.....	Light beacon destroyed; light buoy
391/99	Aus236.....	Wreck; light buoy
419/99	Aus236.....	Dredging operations
615/99	Aus235-814	Light beacon destroyed; light buoy
616/99	Aus236.....	Submarine cable
690/99	Aus236.....	Dredging
		<i>Moreton Bay and Brisbane River</i>
660/97	Aus235-236-237-238-814	Depth information and keel clearances in channels
		<i>Mourilyan</i>
509/99	Aus829.....	Depth information
		<i>Point Cartwright to Gneering Shoal</i>
478/99	Aus235-365	Obstructions

695/99	Aus4-236-247-249-255-256-814-819-829-830	<i>Point Danger to Karumba</i> Waverecorder and research buoys
481/99	Aus247	<i>Port Alma</i> Depth information
200/99 359/99	Aus830..... Aus830.....	<i>Port Douglas</i> Light beacon destroyed Light beacon destroyed
484/99	Aus829-830	<i>Russell River</i> Buoys withdrawn
536/99 561/99 53/2000	Aus252..... Aus253..... Aus253.....	<i>Shute Harbour</i> Harbour works Light buoys Light buoys
186/99 187/99 418/99	Aus814..... Aus814..... Aus814.....	<i>Southport</i> Light beacon maintenance Dredging Light beacons altered
626/99	Aus303.....	<i>Sweers Island</i> Light beacon
80/94	Aus293-299	<i>Thursday Island</i> Depth information
270/98 625/99 667/99	Aus256-257	<i>Townsville</i> Shoaling Depth information Dredging
296/98 574/99	Aus4..... Aus4.....	<i>Weipa</i> Depth information Light beacon destroyed; light buoy
624/99	Aus252-371-824-825	<i>Whitsunday Passage</i> Submarine cable
191/99	Aus365-817	<i>Wide Bay Bar</i> Wreck
SOUTH AUSTRALIA		
331/99	Aus125.....	<i>Glenelg</i> Leading light
515/98	Aus345-780-781.....	<i>Gulf of St Vincent</i> Obstructions
593/97	Aus120.....	<i>Nuyts Archipelago</i> Buoy off station
326/95 448/95 471/96	Aus134..... Aus134..... Aus134-776	<i>Port Lincoln</i> Mussel culture; light buoys Mussel culture; light buoys Fish farms
230/99	Aus345-780	<i>Port Noarlunga</i> Scientific instrument
TASMANIA		
463/99	Aus164.....	<i>Devonport</i> Light beacon extinguished
339/97	Aus167	<i>Port Dalrymple</i> Shoal depth

TORRES STRAIT*Boat Channel*

624/96 Aus292-294 Light beacon destroyed; replaced by light buoy
 715/99 Aus292-294-376-377-378-502- Survey operations
 839-840-4620

VICTORIA*Cape Otway*

631/99 Aus349-422-4601-4709 Seismic survey southwestward

Cape Schanck

151/94 Aus349-350-357-357A-422- Differential Global Positioning System
 445A-445B-789

Corner Inlet

342/97 Aus181 Shoaling

Drum Island

98/99 Aus181-182-357-357A Light destroyed

Geelong

455/98 Aus157 Depth information

Lakes Entrance

58/2000 Aus182 Wreck; light buoy

Port Phillip

59/98 Aus154 Bridge construction; vertical clearance
 420/98 Aus157-158 Beacon destroyed
 774/98 Aus143-157 Buoy off station
 97/99 Aus157 Dredged depth
 307/99 Aus154 Light beacons moved
 490/99 Aus143-154-155 Dredging
 579/99 Aus143-155 Light buoy
 632/99 Aus143-158 Shoaling; harbour master's direction revoked
 634/99 Aus143 Light buoy
 635/99 Aus154 Light altered
 698/99 Aus157 Light beacon destroyed; light buoy
 717/99 Aus143-158 Light beacon removed; light buoy
 718/99 Aus154 Dredging operations
 719/99 Aus154 Harbour works
 741/99 Aus154 Depth information

Western Port

69/97 Aus150-151 Lights
 139/97 Aus151-152 Depth information

WESTERN AUSTRALIA*Carnarvon*

418/98 Aus747 Dredging
 142/99 Aus747 Light buoys

Cockburn Sound

338/97 Aus117 Shoal depth marked by light buoy

Dampier

673/99 Aus58-59 Depth information

Glomar Shoal

672/99 Aus326-327-415 Scientific instruments northeastward

Heywood Shoal to Scott Reef

671/99 Aus43-319-413-4603 Scientific instruments

Karratha

49/95 Aus325-326-327-328-415-416- Differential global positioning system
 739-740-741-742-743

King Sound

302/99 Aus323-733 Depths

630/99	Aus327	<i>North Rankin</i> Scientific instrument
203/99	Aus329-744	<i>North West Cape</i> Scientific instruments
737/99	Aus112-751-753-754-756	<i>Oakajee River to Cape Naturaliste</i> Scientific instruments
402/99	Aus328-743	<i>Onslow</i> Harbour works
674/99	Aus334-754	<i>Rottnest Island</i> Fish aggregating devices westward
670/99 55/2000	Aus312-315	<i>Sahul Banks</i> Scientific instrument
	Aus312	Scientific instrument
596/99	Aus330-331-332-333-334-335- 347-348-749-751-752-753- 754-755-756	<i>Western Australia, South Australia & Victoria</i> Lobster fishery
INDIAN OCEAN		
743/98	Aus112-334-416-417-754- 4060-4070-4071-4708-4709	<i>Fremantle to Jakarta</i> Submarine cable
PAPUA NEW GUINEA		
570/99	Aus399-461-683-684-4060- 4604-4622	<i>Bougainville Island</i> Buoyage
573/99	Aus388-389-651	<i>Cape Girgir to Muschu Island</i> Light beacons destroyed
487/99	Aus376-378-840	<i>Daru</i> Light beacon destroyed
382/97	Aus381-628-629-630	<i>Goschen Strait</i> Light destroyed
400/99	Aus378-502	<i>Gulf of Papua</i> Scientific instrument northwestward
566/99	Aus523	<i>Lae</i> Depth
572/99	Aus462-576-662-4604-4622	<i>Manus Island</i> Lights destroyed
568/99 569/99	Aus547	<i>New Britain</i> Light beacon destroyed
	Aus397-461-680-4604-4622	Lights destroyed
567/99 670/97	Aus547-674	Light beacon destroyed
	Aus680	Siltation
571/99	Aus666-667	<i>New Ireland</i> Light beacons destroyed
565/99	Aus385-386-520-523-654- 4604-4620-4621-4622	<i>Oro Bay to Cape Cretin</i> Lights destroyed

563/99	Aus379-380-505-621-4604-4620-4621	<i>Port Moresby</i> Lights and racon destroyed
564/99	Aus380-506-4604-4620-4621	<i>Rothery Passage</i> Light beacon destroyed
696/99	Aus388-462	<i>Sepik River</i> Scientific instruments

III NAVIGATION WARNINGS

The following radio messages have been received during the period to 17 December 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

- 346 Cancelled.
347 NW Coast. Two yellow steel marker buoys in positions 20° 11'.3 S 115° 36'.7 E and 20° 13'.4 S 115° 39'.9 E marking submerged pipe.
348 Cancelled.
349 NW Coast. Two unlit steel mooring buoys in positions 20° 06'.6 S 116° 27'.5 E and 20° 06'.1 S 116° 27'.6 E.
350 Cancelled.
351 Cancelled.
352 SE Coast. Seismic survey vessel *Western Pride* towing 4.0 M cable in area 38° 48' S to 39° 15' S and 142° 40' E to 143° 10' E.
353 SE Coast. Tug *Southern Salvor* in position 38° 36' S 148° 28' E at 160400 UTC DEC towing former warship *Perth* to Fremantle via Wilsons Promontory traffic separation scheme.
354 NW Coast. Port Walcott. Many navigation aids marking the approaches to Port Walcott have sustained cyclone damage and may be off station, unlit or unreliable.

NAVAREA X WARNINGS

Nil issued.

Navigational warnings in force as at 161500UTC DEC 99.

Auscoast

1999 323 330 340 341 342 344 347 349 352 353 354.

Navarea X

1999 029

Summary of mobile drilling rigs as at 161500UTC DEC 99.

Name	Position
Ron Tappmeyer	20° 17'.5 S 116° 16'.4 E
Ensco 56	20° 36'.5 S 115° 44'.6 E
Ocean Bounty	20° 58'.0 S 114° 52'.4 E

NAVAREA XIV WARNINGS

- 184 Cancelled.

Navarea XIV warnings in force as at 160001UTC DEC 99.

1999 Nil extant.

IV

HYDROGRAPHIC REPORTS

Nil