

Australian Notices to Mariners are the authority for correcting Australian Charts

AUSTRALIAN NOTICES TO MARINERS

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Notices 388 - 418

Published fortnightly by the Australian Hydrographic Service

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Hydrographer of Australia

- SECTIONS.**
- I. Australian Notices to Mariners, including blocks and notes.**
 - II. Amendments to Admiralty List of Lights and Fog Signals, Vol K**
 - III. Navigational Warnings.**
 - IV. Hydrographic Reports.**
 - V. Amendments to Admiralty List of Radio Signals (NP 281(2), 282, 283(2), 285, 286(4))**
 - VI. Amendments to Admiralty Sailing Directions (NP 9, 13, 14, 15, 17, 33, 34, 35, 36, 39, 44, 51, 60, 61, 62, 100, 136)**

British Admiralty Notices to Mariners
New Zealand Notices to Mariners

The substance of these notices should be inserted on the charts affected.

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. Positions quoted in permanent notices relate to the horizontal datum for the chart(s). When preliminary or temporary notices affect multiple charts, positions will be provided in relation to only one horizontal datum and that datum will be specified. When the multiple charts do not have a common horizontal datum, mariners will be required to adjust the position(s) for those charts not on the specified datum. The range quoted for a light is its nominal range. 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 SERVICE, Locked Bag 8801 South Coast Mail Centre, NSW 2521 (Fax 02-4221 8599, e-mail Hydro.NTM@defence.gov.au or, alternatively by filling in and submitting the [Hydrographic Notes](#) forms located on the web site – www.hydro.gov.au), 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 or email rcausa@amsa.gov.au).

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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Edition No 12

13 June 2003

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388 AUSTRALIA - Products.

AHS (A36225, A36314, A36346 & A36371).

New Chart

<i>Chart</i>	<i>Published</i>	<i>Title, limits and description of amendments</i>	<i>Scale</i>	<i>Folio</i>	<i>Index Chart</i>	<i>Price</i>
Aus 901	4/4/2003	East Timor - Approaches to Dili 8° 30' 10" S - 8° 33' 43" S 125° 31' 22" E - 125° 37' 00" E <i>New chart providing improved coverage and incorporating new surveys.</i>	1:10 000	2	Aus 65000	\$25.65
Aus 902	2/5/2003	East Timor - Plans in East Timor (Sheet 1) Plan: Approaches to Karabela 8° 28' 08" S - 8° 29' 05" S 126° 15' 53" E - 126° 17' 18" E Approaches to Kun 8° 20' 12" S - 8° 21' 54" S 127° 03' 29" E - 127° 04' 53" E Approaches to Hera 8° 31' 35" S - 8° 32' 07" S 125° 40' 46" E - 125° 41' 49" E <i>New chart with improved coverage of approaches to Karabela, Kun and Hera, incorporating new surveys.</i>	1:5 000 1:5 000 1:3 750	2	Aus 65000	\$25.65
Aus 903	2/5/2003	East Timor - Plans in East Timor (Sheet 2) Plan: Betona (Betano) 9° 09' 01" S - 9° 10' 55" S 125° 43' 03" E - 125° 46' 23" E Beaso 8° 56' 18" S - 8° 58' 42" S 126° 25' 59" E - 126° 28' 29" E Saenamo (Lore) Anchorage 8° 40' 37" S - 8° 41' 27" S 126° 58' 52" E - 126° 59' 42" E <i>New chart with improved coverage of approaches to Betona, Beaso and Saenamo anchorage, incorporating new surveys.</i>	1:15 000 1:15 000 1:10 000	2	Aus 65000	\$25.65

New Edition

<i>Chart</i>	<i>Published</i>	<i>Title and description of amendments</i>	<i>Scale</i>	<i>Folio</i>	<i>Index Chart</i>	<i>Price</i>
Aus 44	2/5/2003	Timor Sea – Ashmore Reef <i>General updating throughout incorporating new surveys</i>	1:37 500	2	Aus 65000	\$25.65
Aus 726	18/4/2003	Australia – North Coast - Western Australia - Approaches to Cambridge Gulf <i>General updating throughout including maritime boundaries. Horizontal datum is referred to WGS 84.</i>	1:150 000	2	Aus 65000	\$25.65

New Chart to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>
Aus 243	Australia - East Coast – Queensland - Approaches to Bundaberg	1:50 000

New Edition to be published shortly

<i>Chart</i>	<i>Title</i>	<i>Scale</i>
Aus 721	Australia - North Coast – Northern Territory - Port Essington to Snake Bay	1:150 000
Aus 143	Australia - South Coast – Victoria - Port Phillip Plan: Patterson River Sorrento Mornington Blairgowrie Queenscliff	1:100 000 1:10 000 1:10 000 1:7 500 1:7 500 1:5 000

Chart permanently withdrawn

Chart *On publication of new chart/new edition*

Aus 44	Aus 44
Aus 726	Aus 726
Aus 60901	Aus 901
Aus 60902	Aus 902
Aus 60903	Aus 903

389 **AUSTRALIA - Publication - Amendment to Australian National Tide Tables and Seafarer Tides 2003.**

AHS (A36388).

Three stations in Part IV of the Australian National Tide Tables 2003 have been published with incorrect values. Replace the published values with those issued below:

Amend mean time differences as follows:

<i>Page</i>	<i>Port</i>	<i>Mean Time Difference</i>
290	62410 Norwegian Bay	-0043
290	62501 North West Island	-0040
292	63012 Cassini Island	-0002

Pages 364 & 365, amend 62410 Norwegian Bay to Z0 (LAT) 0.79, M2 0.318 284.9, S2 0.132 352.9, K1 0.188 284.7, O1 0.121 271.9, MSF 0.077 005.3, Q1 0.026 262.1, P1 0.058 280.3, N2 0.056 256.4, K2 0.037 350.1, M4 0.009 208.6, MS4 0.001 106.1, 2MS6 0.001 190.5.

Pages 366 & 367, amend 62501 North West Island to Z0 (LAT) 1.52, M2 0.656 299.1, S2 0.369 007.6, K1 0.199 290.9, O1 0.131 275.7 MM 0.025 153.5, MSF 0.030 246.8, Q1 0.035 275.7, P1 0.064 288.5, N2 0.112 277.0, K2 0.098 008.5, L2 0.023 183.2, MU2 0.011 190.1, M4 0.016 262.6.

Pages 372 & 373, amend 63012 Cassini Island to Z0 (LAT) 3.32, M2 1.598 298.5, S2 1.038 002.3, K1 0.363 305.5, O1 0.211 289.8 MM 0.057 316.7, MSF 0.049 019.4, Q1 0.044 282.9, P1 0.105 306.5, N2 0.255 280.2, K2 0.299 001.3, L2 0.073 329.2, MU2 0.015 006.2, M4 0.009 138.0, MS4 0.013 165.5, 2MS6 0.019 249.7.

Seafarer Tides 2003 users should type these values into the user port database with time zone set to -0800 to get correct predictions for the above mentioned stations in Local time and Daylight Savings time. Z0 is the datum value. ZULU/UTC predictions are correct.

390 **AUSTRALIA - Notices to Mariners - eNotices.**

AHS (A36274 & A36345)

The Australian Hydrographic Service (AHS) has introduced an automated Notices to Mariners email system called eNotices as a permanent service.

The eNotices service requires registration on the AHS web site at www.hydro.gov.au/enotices/enotices.htm.

Customers are required to submit details including the charts for which they require Notices to Mariners. Registered customers are then forwarded an email fortnightly advising whether the most recent Notices to Mariners edition affects their charts.

At this stage block corrections or tracings are not available from this service, however users are still notified of their existence and advised to download them from the web site if applicable.

391 AUSTRALIA - Miscellaneous corrections.

AHS (zA1272 & zA1383).

Aus 312 [NE 4/10/2002]

Insert	magenta limits, with legend <i>Aus 901</i> in NW corner		
	North	8° 30'.17 S	
	South	8° 33'.72 S	
	West		125° 31'.37 E
	East		125° 37'.00 E
	magenta limits		
	North	8° 56'.30 S	
	South	8° 58'.70 S	
	West		126° 25'.98 E
	East		126° 28'.48 E
	legend <i>Aus 903</i> , centred on	8° 55'.7 S	126° 27'.0 E
	magenta limits, with legend <i>Aus 903</i> in NW corner		
	North	9° 09'.02 S	
	South	9° 10'.92 S	
	West		125° 43'.05 E
	East		125° 46'.38 E
	legend <i>Hera</i> , centred on	8° 32'.0 S	125° 39'.5 E
	magenta legend, (see <i>Aus 902</i>), centred on	8° 32'.5 S	125° 40'.5 E
	magenta legend, (see <i>Aus 903</i>), centred on	8° 40'.5 S	126° 58'.0 E

Aus 330 [184/2002]*On certain copies only*

Amend	print date 22.04.2004 outside N border, to 22.04.2002		113° 58'.00 E
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392* AUSTRALIA - NEW SOUTH WALES - Twofold Bay - Light permanently discontinued.

List of Lights Vol K/2003 -- 2573.00

Waterways NSW (A35777).

Aus 191 (plan, Twofold Bay) [152/2003]

Delete	light	37° 04'.45 S	149° 54'.41 E
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393* AUSTRALIA - QUEENSLAND - Bundaberg - Design depths.

Bundaberg Port Authority (A36338), Maritime Safety Queensland Notice 167(T)/2003 (A36458).

Aus 242 (plan, Port Bundaberg) [NC 21/3/2003]

Amend	legend 12.0m, to 11.0m	24° 46'.28 S	152° 22'.91 E
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Aus 242 (plan, Burnett River Northern Section)

Amend	legend 12.0m, to 11.0m	24° 46'.28 S	152° 22'.91 E
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394* AUSTRALIA - QUEENSLAND - Gladstone - Harbour works.

Gladstone Port Authority (A35209), AHS (A36465 & A36466).

Aus 244 (plan, South Trees Point) [306/2003]

Insert	legend, <i>Ldg Lts 113.2° - Dir 293.2°</i> , centred on	23° 50'.73 S	151° 18'.22 E
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Delete	legend, 113° 13', centred on	23° 50'.80 S	151° 18'.35 E
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Aus 244 (plan, Gladstone and Adjacent Wharves)

Insert	accompanying block	23° 49'.0 S	151° 14'.5 E
	legend, <i>Ldg Lts 113.2°</i> , centred on	23° 49'.65 S	151° 15'.48 E

Amend	legend, to <i>Dir 293.2°</i> , centred on	23° 50'.11 S	151° 16'.65 E
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Aus 245 [306/2003]

Insert	accompanying block	23° 49'.0 S	151° 14'.5 E
	legend, 113.2°, centred on	23° 49'.65 S	151° 15'.49 E
	legend, <i>Dir 293.2°</i> , centred on	23° 50'.77 S	151° 18'.34 E

Delete	legend, 113° 13' - 293° 13', centred on	23° 50'.37 S	151° 17'.35 E
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395 AUSTRALIA - QUEENSLAND - Gladstone - Maintained depth.
Maritime Safety Queensland Notice 166(T)/2003 (A36461).

Aus 244 (plan, Gladstone and Adjacent Wharves) [394/2003]

Amend	legend, to <i>Maintained depth 10.6m</i> , centred on	23° 49'.25 S	151° 15'.21 E
		23° 48'.44 S	151° 13'.78 E

Aus 244 (plan, Fishermans Landing Wharves)

Amend	legend, to <i>Maintained depth 10.6m</i> , centred on	23° 47'.18 S	151° 10'.67 E
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Aus 245 [394/2003]

Amend	legend, to <i>Maintained depth 10.6m</i> , centred on	23° 49'.56 S	151° 15'.62 E
		23° 47'.65 S	151° 12'.35 E
		23° 47'.18 S	151° 10'.70 E

396* AUSTRALIA - QUEENSLAND – Salamander Reef - Position.

The Ship's Bell (A35778), LADS (A36385).

Aus 371 [330/2003]

Move	reef centred on	19° 10'.9 S	147° 03'.5 E
	to	19° 10'.92 S	147° 03'.82 E

Aus 827 [498/2002]

Move	reef centred on	19° 10'.9 S	147° 03'.5 E
	to	19° 10'.92 S	147° 03'.82 E

397* AUSTRALIA - TORRES STRAIT - Thursday Island - Windsock.

ACV *Corio Bay* (zA1351).

Aus 299 [271/2003]

Move	fixed point, with legend WIND SOCK	10° 34'.63 S	142° 13'.91 E
	to	10° 34'.72 S	142° 13'.85 E

398* WESTERN AUSTRALIA - Montebello Islands - North West Island - Light altered.

Former Notice - 174(P)/2003 is cancelled

List of Lights Vol K/2003 -- 1691.98

AMSA (A36326).

Aus 61 [621/2001]

Amend	light range to <i>16M</i>	20° 21'.60 S	115° 31'.45 E
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Aus 327 [197/2003]

Amend	light range to <i>16M</i>	20° 21'.8 S	115° 31'.3 E
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Aus 328 [368/2003]

Amend	light range to <i>16M</i>	20° 21'.8 S	115° 31'.3 E
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Aus 415 [368/2003]

Amend	light range to <i>16M</i>	20° 22'.0 S	115° 31'.0 E
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Aus 416 [368/2003]

Amend	light range to <i>16M</i>	20° 22'.0 S	115° 31'.0 E
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Aus 742 [764/2002]

Amend	light range to <i>16M</i>	20° 21'.60 S	115° 31'.45 E
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Aus 4603 (INT 603) [338/2003]

Insert	light	20° 22'.0 S	115° 32'.0 E
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399* SOUTH AUSTRALIA - Thevenard - Light beacon.

Transport SA Notice 24/2003 (A36108).

Aus 120 (plan, Yatala Channel) [694/2002]

Substitute port lateral light beacon, VQ. R, with topmark, for beacon

32° 11'.03 S

133° 36'.95 E

400* SOUTH AUSTRALIA - Port Pirie - Light beacons.

List of Lights Vol K/2003 -- 1969.39,1969.40

Transport SA Notice 24/2003 (A36107).

Aus 136 (plan, Port Pirie) [665/2002]Amend light characteristic to *F. Bu*

33° 10'.41 S

138° 00'.88 E

light characteristic to *F. Bu & Fl. R. 2s*

33° 10'.72 S

138° 00'.87 E

Aus136 (plan, Port Pirie Wharves)Amend light characteristic to *F. Bu*

33° 10'.41 S

138° 00'.88 E

light characteristic to *F. Bu & Fl. R. 2s*

33° 10'.72 S

138° 00'.87 E

401* SOUTH AUSTRALIA - Macdonnell Sound - Depths.

South Australia DMH MMI 2-1-21281 (A35781 & A36343).

Aus 125 (plan, Edithburgh to Klein Point) [359/2003]Insert depth, 5_6 m

35° 04'.94 S

137° 46'.58 E

Delete depth 5_3 m with legend Rep (1985)

35° 04'.93 S

137° 46'.36 E

Aus 345 [203/2003]Delete legend Shoaling (1953) centred on
depth 2_5 fm and enclosing contour, with legend Rep
(1985)

35° 08'.5 S

137° 51'.6 E

35° 05'.0 S

137° 46'.5 E

Aus 780 [359/2003]Delete legend Shoaling (1953) centred on
depth 2_5 fm and enclosing contour, with legend Rep
(1985)

35° 08'.5 S

137° 49'.9 E

35° 05'.0 S

137° 46'.4 E

402* SOUTH AUSTRALIA - Port Adelaide - Light beacons; building.

List of Lights Vol K/2003 -- 2059.00,2059.10,2065.00,2065.10

Transport SA Notice 24/2003 (A36105), Flinders Ports (A35730).

Aus 137 [371/2003]Amend light characteristic to *F. Bu. 5m*

34° 45'.89 S

138° 29'.34 E

light characteristic to *F. Bu. 8m*

34° 45'.59 S

138° 29'.55 E

light characteristic to *F. Bu*

34° 45'.99 S

138° 31'.15 E

light characteristic to *F. Bu & Fl. R. 3s*

34° 46'.13 S

138° 31'.12 E

Delete building centred on

34° 46'.47 S

138° 29'.08 E

403* AUSTRALIA - TASMANIA - Hobart - Stanhope Point - Light beacon; light buoy.

List of Lights Vol K/2003 -- 3635.00

Hobart Ports Corporation Notice M60-03 (A36187).

Aus 172 [129/2003]Amend light characteristics to *Iso. R. 4s 2m 5M*

42° 50'.11 S

147° 19'.42 E

light characteristics to VQ. R

42° 50'.06 S

147° 19'.38 E

404* AUSTRALIA - TASMANIA - Launceston - Pilot boarding place; recommended track; nav aids.
Port of Launceston (A35770 & A36370).

Aus 167 [372/2003]

Insert	one way recommended track, with legend 160°, between legend, 127.7° pecked line from light in a direction 302.5° for 1955m, thence a firm line for 1625m, with legend 122.5° starboard lateral light beacon, Q. G, without topmark starboard lateral light beacon, Fl. G. 3s, without topmark north cardinal light beacon, VQ, with topmark	41° 00'.700 S	146° 44'.350 E
		41° 03'.050 S	146° 45'.480 E
		41° 02'.60 S	146° 44'.75 E
		41° 04'.52 S	146° 48'.36 E
Move	pilot boarding place to	41° 08'.585 S	146° 51'.777 E
		41° 08'.874 S	146° 51'.152 E
Amend	north cardinal light beacon, VQ, with topmark	41° 08'.661 S	146° 49'.724 E
		41° 01'.20 S	146° 44'.30 E
		41° 00'.70 S	146° 44'.35 E
		41° 05'.50 S	146° 48'.13 E
		41° 05'.75 S	146° 48'.12 E
Substitute	legend, to 344.8°, centred on legend, to 181.8°, centred on legend, to 004.5°, centred on legend, to 125.7° - 305.7°, centred on light characteristic, to Q(2) G. 5s light characteristic, to Fl. G. 1.5s	41° 06'.16 S	146° 48'.09 E
		41° 06'.38 S	146° 48'.45 E
		41° 08'.92 S	146° 50'.81 E
		41° 08'.73 S	146° 49'.53 E
		41° 08'.43 S	146° 48'.64 E
Delete	port lateral beacon with topmark, for beacon port lateral light beacon, F. R, without topmark, for light accompanying note	41° 07'.31 S	146° 49'.08 E
		41° 06'.7 S	146° 44'.5 E
Delete	firm line, with legend 127° 41' between starboard lateral light beacon north cardinal light beacon light leading line, with legend 123°, between depth 3 ₄ m	41° 08'.43 S	146° 48'.64 E
		41° 07'.31 S	146° 49'.08 E
		41° 06'.7 S	146° 44'.5 E
		41° 01'.10 S	146° 42'.13 E
		41° 02'.57 S	146° 44'.66 E
		41° 08'.83 S	146° 49'.46 E
		41° 08'.72 S	146° 49'.72 E
		41° 08'.65 S	146° 51'.76 E

Aus 167 (plan, Bell Bay)

Insert	starboard lateral light beacon, Q. G, without topmark starboard lateral light beacon, Fl. G. 3s Bell Bay No 3, without topmark north cardinal light beacon, VQ, with topmark	41° 08'.585 S	146° 51'.777 E
		41° 08'.874 S	146° 51'.152 E
		41° 08'.661 S	146° 49'.724 E
Amend	light characteristic, to Q(2) G. 5s light characteristic, to Fl. G. 1.5s legend, to Bell Bay No 2, centred on legend, to Bell Bay No 4, centred on	41° 08'.92 S	146° 50'.81 E
		41° 08'.73 S	146° 49'.53 E
		41° 08'.77 S	146° 50'.73 E
		41° 08'.73 S	146° 51'.18 E
Delete	starboard lateral light beacon north cardinal light beacon light depth 19 ₈ m depth 8 ₉ m	41° 08'.83 S	146° 49'.46 E
		41° 08'.72 S	146° 49'.72 E
		41° 08'.65 S	146° 51'.76 E
		41° 08'.58 S	146° 51'.79 E
		41° 08'.89 S	146° 51'.17 E

Aus 356 [312/2003]

Delete	light leading line emanating from (a), with legend 128° 14'	(a) 41° 04'.7 S	146° 48'.2 E

Aus 799 [785/2002]

Insert	one way recommended track, with legend 160° between legend, 127.7° light, F. WR. 11m 9M	41° 00'.70 S	146° 44'.35 E
		41° 03'.05 S	146° 45'.48 E
		41° 02'.59 S	146° 44'.75 E
		41° 04'.68 S	146° 48'.26 E
Move	pilot boarding place to	41° 01'.20 S	146° 44'.30 E
		41° 00'.70 S	146° 44'.35 E
Substitute	accompanying note	41° 10'.3 S	145° 35'.2 E
Delete	firm line, with legend 127° 41' between depth 20 ₁ m	40° 59'.22 S	146° 38'.96 E
		41° 02'.57 S	146° 44'.66 E
		41° 02'.4 S	146° 44'.6 E

405* AUSTRALIA - VICTORIA - Port Phillip - Point King to Martha Point - Nav aids.
Parks Victoria (A36271 & A36301).

Aus 144 [207/2003]

Insert	special spar buoy without topmark	38° 20'.060 S	144° 44'.669 E
		38° 20'.000 S	144° 44'.661 E
		38° 20'.295 S	144° 44'.956 E

Aus 158 [280/2003]

Insert	special beacon without topmark	38° 21'.598 S	144° 46'.886 E
		38° 21'.826 S	144° 48'.028 E
		38° 21'.962 S	144° 50'.336 E
		38° 21'.872 S	144° 50'.837 E
		38° 21'.596 S	144° 51'.968 E
		38° 20'.971 S	144° 54'.911 E
		38° 20'.799 S	144° 55'.425 E
		38° 20'.423 S	144° 56'.489 E
	special beacon with topmark	38° 19'.311 S	144° 58'.837 E
		38° 13'.465 S	145° 01'.703 E
	special spar buoy without topmark	38° 20'.090 S	144° 44'.581 E
		38° 20'.385 S	144° 44'.876 E
		38° 21'.965 S	144° 48'.666 E
		38° 22'.078 S	144° 49'.827 E
		38° 21'.503 S	144° 53'.345 E
		38° 21'.286 S	144° 53'.940 E
		38° 19'.421 S	144° 58'.754 E
		38° 19'.030 S	144° 59'.169 E
		38° 18'.870 S	144° 59'.312 E
		38° 18'.730 S	144° 59'.344 E
		38° 18'.575 S	144° 59'.404 E
		38° 18'.486 S	144° 59'.466 E
		38° 16'.232 S	145° 00'.397 E
		38° 16'.116 S	145° 00'.527 E
Substitute	special beacon for beacon	38° 21'.73 S	144° 51'.42 E
		38° 21'.47 S	144° 52'.50 E
		38° 21'.19 S	144° 53'.73 E
Move	starboard lateral buoy to	38° 20'.72 S	144° 45'.84 E
		38° 20'.746 S	144° 45'.797 E
Delete	beacon	38° 21'.59 S	144° 46'.86 E
		38° 21'.69 S	144° 47'.48 E
		38° 21'.81 S	144° 48'.04 E
		38° 21'.82 S	144° 48'.52 E
		38° 21'.96 S	144° 48'.64 E
		38° 22'.07 S	144° 49'.84 E
		38° 22'.03 S	144° 50'.26 E
		38° 21'.88 S	144° 50'.85 E
		38° 21'.56 S	144° 51'.92 E
		38° 21'.31 S	144° 53'.01 E
		38° 20'.95 S	144° 54'.84 E
		38° 20'.85 S	144° 55'.43 E
		38° 20'.59 S	144° 55'.96 E
		38° 20'.41 S	144° 56'.39 E
		38° 20'.13 S	144° 57'.14 E

Note: amendments have been incorporated in the new edition of Aus 143 to be published shortly.

406(T)/2003 AUSTRALIA - NEW SOUTH WALES - Jervis Bay - Obstructions.

Date - Until 12 December 2003

Former Notice - 209(T)/2003 is cancelled

MHQAUST (A36320 & A36445).

Ground and buoyant mine shapes have been laid as follows:

<i>Position</i>	<i>Height above seabed</i>
35° 06'.20 S 150° 47'.10 E	5m
35° 05'.98 S 150° 46'.54 E	
35° 05'.35 S 150° 44'.85 E	
35° 03'.35 S 150° 44'.80 E	
35° 02'.65 S 150° 45'.20 E	
35° 04'.82 S 150° 44'.78 E	
35° 04'.20 S 150° 44'.80 E	
35° 03'.80 S 150° 43'.60 E	
35° 04'.78 S 150° 44'.80 E	
35° 04'.25 S 150° 44'.72 E	
35° 03'.05 S 150° 45'.05 E	
35° 02'.95 S 150° 44'.95 E	
35° 05'.61 S 150° 45'.60 E	
35° 03'.00 S 150° 45'.00 E	
35° 03'.30 S 150° 45'.40 E	
35° 02'.80 S 150° 44'.70 E	
35° 04'.00 S 150° 44'.40 E	
35° 03'.95 S 150° 44'.20 E	
35° 03'.90 S 150° 44'.00 E	
35° 03'.85 S 150° 43'.80 E	

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 193.

407(T)/2003 AUSTRALIA - NEW SOUTH WALES - Camden Haven - Lights.

List of Lights Vol K/2003 -- 2786.00,2786.10

Waterways NSW (A36460).

The leading lights (31° 38'.24 S 152° 50'.03 E and 31° 38'.26 S 152° 49'.97 E) are unlit.

Chart temporarily affected – Aus 219.

408(T)/2003 AUSTRALIA - QUEENSLAND - Gold Coast Seaway - Shoaling.

Former Notice - 74(T)/2003 is cancelled

Maritime Safety Queensland Notice 153(T)/2003 (A36028).

Shoaling, least depth *4.4 metres*, exists across the centre line leads (255°), and least depth *4.2m*, across the bar clearance leads (291°).

Mariners are advised to navigate with caution when transiting the Seaway, particularly on the ebb tide where waves break when the sea rises above 1.5m.

Chart temporarily affected – Aus 814.

409(T)/2003 AUSTRALIA - QUEENSLAND - Double Island Point - Wreck southwards.

Maritime Safety Queensland Notice 160(T)/2003 (A36249).

A wreck exists in position 25° 57'.6 S 153° 11'.1 E.

Chart temporarily affected – Aus 365.

410(T)/2003 AUSTRALIA - QUEENSLAND - Bundaberg - Depth information.

Former Notice - 169(T)/2003 is cancelled

Maritime Safety Queensland Notice 167(T)/2003 (A36489).

Available depth as at 21 May 2003:

	<i>Metres</i>
Sea Reach	9.5
Middle Reach	9.5
Inner Reach	9.5
Swing Basin	8.0
Oil Berth	9.6
* BST Berth	11.0

* Indicates new or revised entry.

Chart temporarily affected – Aus 242 – Aus 243.

411(T)/2003 AUSTRALIA - QUEENSLAND - Gladstone - Depth information.

Former Notice - 107(T)/2003 is cancelled

Maritime Safety Queensland Notice 166(T)/2003 (A36438).

Available depths as at 19 May 2003:

	<i>Metres</i>
Sea Channels:	
Wild Cattle Cutting	16.3
Boyne Island Cutting	16.3
Boyne Island Extension Channel	9.0
Golding Cutting	16.3
Golding Bypass Channel	7.3
Gatcombe Cutting	16.3
Gatcombe Bypass Channel	12.5
Inner Channels:	
Auckland Channel	15.8
Auckland Bypass Channel	6.8
* Barney Point Eastern Approach	13.5
* Barney Point Western Approach	11.5
Clinton Channel	16.0
* Clinton Bypass Channel	10.6
Clinton Swing Basin	10.4
* Targinnie Channel	10.6
* Targinnie Swing Basin	10.6
Berths:	
Boyne Smelter Wharf	15.0
South Trees East Wharf	12.8
South Trees West Wharf	12.8
Barney Point Wharf	15.0
Auckland Point No 1 Wharf	11.3
Auckland Point No 2 Wharf	11.3
Auckland Point No 3 Wharf	11.3
Auckland Point No 4 Wharf	11.4
Clinton No 1 Wharf	18.8
Clinton No 2 Wharf	18.8
* Clinton No 3 Wharf	18.8
Fishermans Landing Wharf	11.2
Bulk Liquids Wharf	11.2

* Indicates new or revised entry.

Chart temporarily affected – Aus 244 – Aus 245 – Aus 246.

412(T)/2003 AUSTRALIA - QUEENSLAND - Gladstone - Dredging operations completed.

Former Notice - 318(T)/2003 is cancelled

Maritime Safety Queensland Notice 175(T)/2003 (A36751).

Cancel this notice on receipt.

Chart formerly affected - Aus244 - Aus245

413(T)/2003 AUSTRALIA - QUEENSLAND - Mourilyan - Depth information.

Former Notice - 843(T)/2002 is cancelled

Maritime Safety Queensland Notice 171(T)/2003 (A36614).

Available depths as at 27 May 2003:

	<i>Metres</i>
Departure Channel	9.6
Inner Channel	9.6
Swing Basin	6.7
Sugar Berth	10.1

*Indicates new or revised entry.

Shoaling for a distance of 200m to seaward of the berth pocket (17° 35'.97 S 146° 07'.53 E) can develop over time. Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 258.

414(T)/2003 AUSTRALIA - QUEENSLAND - Yorkeys Knob - Wreck northeastwards salvaged.

Former Notice - 381(T)/2003 is cancelled

Maritime Safety Queensland Notice 163(T)/2003 (A36496).

Cancel this notice on receipt.

Chart formerly affected– Aus 373 – Aus 830 - AU417145

415(T)/2003 WESTERN AUSTRALIA - North West Cape - Scientific instrument.

Former Notice - 251(T)/2003 is cancelled

WNI Oceanographers & Meteorologists (A36500 & A36618).

A lit waverider light buoy, *Fl(5)Y.20s*, exists in position 19° 34'.96 S 116° 07'.98 E.

Mariners are not to use the buoy as a mooring.

Chart temporarily affected – Aus 327.

416(T)/2003 WESTERN AUSTRALIA - Dampier - Scientific instrument recovered.

Former Notice - 252(T)/2003 is cancelled

WNI Oceanographers & Meteorologists (A36500 & A36618).

Cancel this notice on receipt.

Chart formerly affected – Aus 57 – Aus 58

417(T)/2003 AUSTRALIA - VICTORIA - Refuge Cove - Light re-established in position.

Former Notice - 453(T)/2002 is cancelled

Victorian Notice 70/02 (A36498).

Cancel this notice on receipt.

Chart formerly affected – Aus 350 – Aus 357 – Aus 357A – Aus 445A – Aus 802

418(T)/2003 AUSTRALIA - VICTORIA - Corringale - Pipeline burial completed.

Former Notice - 387(T)/2003 is cancelled

Victorian Notice 27/03 (A36593).

Cancel this notice on receipt.

Chart formerly affected – Aus 357A – Aus 358

II

AMENDMENTS TO ADMIRALTY LIST OF LIGHT AND FOG SIGNALS VOLUME K 2003/04

Edition No 12 dated 13 June 2003.

Last Amendment: Edition No 11 dated 30 May 2003

1228	- Pulau Giliraja	7 14.2 113 47.8	Fl W 6s	42	18	White beacon	<i>fl 0.4. TE 2003</i>
							*
1412-615	-- Front. No 6	3 18.3 114 04.5	Fl W 5s	12	10	White △ on white beacon	<i>fl 0.5. TE 2003</i>
							*
1412-62	-- Rear. River Channel	3 19.3 114 03.7	LFl W 5s	10	8	White ▽ on white beacon	<i>fl 2. TE 2003</i>
							*
1685-67	-	20 35.4 117 10.4	VQ W	...	...	△ on yellow beacon, black band	
*	*	*	*	*	*	*	*
1685-675	-	20 35.7 117 10.2	Fl G 4s	...	...	△ on beacon	
*	*	*	*	*	*	*	*
1685-68	-	20 35.7 117 10.1	Fl R 4s	...	...	□ on beacon	
*	*	*	*	*	*	*	*
2058-5	- NW Revetment Mound. SW end	34 47.1 138 28.2	Q R				
			*				
2070	-No 34	34 47.9 138 30.8	Q R	...	...	Red □ on beacon	
			*				
2771-02	--	32 42.6 152 09.6	Fl R 3s	...	...	Red □ on beacon	
*	*	*	*	*	*	*	*
2773	- Schooner Channel	32 41.4 152 06.7	Fl R 3s	2	1	Red □ on beacon	<i>fl 0.5. Destroyed; special light buoy in situ (T) 2003</i>
							*
2773-2	--	32 41.2 152 07.3	Fl G 3s	...	...	Green △ on beacon	
*	*	*	*	*	*	*	*
2868-1	- Rear. 1.0M from front	27 15.0 153 15.1	Iso W 4s	20	7	Red ○ on framework tower	Vis 026°-038°(12°)
	--	...	Mo(A) W 6s	20	4	Same structure	<i>fl 0.3, ec 0.6, fl 1, ec 4.1.</i> Vis 038°-026°(348°)
							*
3304-48	-- No 19	17 26.9 140 47.3	Fl G 4s	...	3	Green △ on black metal pile with platform	Destroyed; starboard lateral light buoy FlG4s in situ (T) 2003
							*
3430-1	<i>Remove from List</i>						
3436	Bomatu Point. Kiriwina	8 24.1 151 06.9	Fl(3) W 15s	31	10	White framework tower 19	Vis 097°-290° (193°). TE 2003
		*					*

Volume K *continued*

3437	Kitava Island	8 38.7 151 20.3	Fl W 7.5s	107	10	White framework tower 15	<i>fl</i> 0.5. Vis 230°-080°(210°) and partially visible 080°-155°(75°). TE 2003
							*
3719	- Stevens Point. Ldg Lts 311°21'. Front	35 46.5 174 23.0	F G	13	9	Orange □ on metal framework tower 13	Neon □. Vis 230°-040°(170°). To be replaced by PEL sector light on (P) 2003
							*
3719-1	--- Rear. 1.03M from front	35 45.8 174 22.1	F R	25	9	Orange □ on metal framework tower 6	Neon □. To be replaced by PEL sector light on front lead (P) 2003
							*
4315-1	-- Rear. 0.88M from front	43 48.3 172 53.6	F G	83	7	Wooden pole 7	
						*	*
4372-2	Quarantine Island. Ldg Lts about 224°43'. Front	45 49.4 170 37.9	Fl(2) Y 3s	3	1	White △ on white pile	(P) 2003
							*
4372-21	-- Rear	45 49.3 170 38.1	Q Y	3	1	White ▽ on white pile	(P) 2003
							*
5049	- Baie de Taiohae. Pointe Arquée	8 55.9 140 05.9	Fl G 2.5s	7	5	Green △ on green beacon 5	<i>fl</i> 0.5
			*	*	*	*	*
5052	-- Fort Collet. Ldg Lts 020-9°. Front	8 54.9 140 05.7	Iso R 2s	34	6	White column, red bands 6	
	*		*	*	*	*	*
5052-1	---- Rear. 380m from front	8 54.7 140 05.6	Iso R 2s	47	6	White column, red bands 16	Synchronized with front
*	*	*	*	*	*	*	*

III

NAVIGATION WARNINGS

The following radio messages have been received during the period to 30 May 2003. 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 WARNING

- 154 Cancelled.
- 155 NW Coast. Seismic survey vessel *Polar Duke* towing cable 3M in length in position 21° 13' S 113° 23' E.
- 156 Cancelled.
- 157 NW Coast. North Herald platform light K1697 (21° 10'.5 S 115° 15'.9 E) unlit.
- 158 NE Coast. Turtle Head tide gauge ALRS 4607 (10° 31' S 142° 13' E) unreliable when measured tidal height falls below 0.5m.
- 159 NE Coast. Booby Island tide gauge (10° 36' S 141° 55' E) unreliable when measured tidal height falls below 0.5m.
- 160 SE Coast. Searanger conducting underwater operations in area bounded by 38° 10' S to 38° 33' S and 148° 14' E to 148° 33' E.
- 161 N Coast. Coast Radio Darwin HF radio temporarily discontinued.
- 162 NW Coast. Drill rig *Ocean Bounty* in position 11° 44'.4 S 125° 04'.9 E. 2.5M clearance requested.

NAVAREA X WARNINGS

- 018 PNG Hood Point light K3457 (10° 06'.2 S 147° 43'.6 E) unlit.

Navigational warnings in force as at 280001UTC MAY 03.

Auscoast

066 110 112 114 119 121 125 128 136 141 146 149 155 157 158 159 160 161 162.

Navarea X

005 008 013 014 015 018.

Summary of mobile drilling rigs as at 280001UTC MAY 03.

<i>Name</i>	<i>Position</i>
Ocean Bounty	11° 44'.4 S 125° 04'.9 E
Ensco 56	19° 42'.3 S 116° 42'.4 E
Atwood Falcon	21° 29'.1 S 113° 51'.9 E

NAVAREA XIV WARNINGS

- 068 Cancelled.
- 069 Cancelled.
- 070 Cancelled.

Navarea XIV warnings in force as at 280001UTC MAY 03.

Nil.

IV

HYDROGRAPHIC REPORTS

<i>Locality</i>	<i>Report</i>	<i>Ship/Authority</i>	<i>Observer</i>
TAS- Marion Narrows	Shoal	HODSU	B Keane
QLD- Shafston Reach	Marina and buoy	STS <i>Young Endeavour</i>	
TONGA- Neiafu Harbour	Nav aids and features	MT <i>Pacific Mariner</i>	

AMENDMENTS TO ADMIRALTY LIST OF RADIO SIGNALS 2003

Edition No 12 dated 13 June 2003

VOLUME 2, NP 282, 2003/04

Published BA Wk 11/03

(Last Amendments: Edition No 11 dated 30 May 2003)

RADAR BEACONS

Page 32, **NETHERLANDS** section, insert:

Freisland Junction Lt Buoy Racon 54°02'.09N 4°45'.57E **55005**
O

Netherlands Notice 16/234/03 Ad20/03

Page 51, **FRANCE (Atlantic Coast)** section

67200 Ouessant NE, Lt Buoy
Delete position and replace by: 48°59'.50N 5°24'.00W

(former amendment Ad11/03)

EPSHOM Ad20/03

Page 52, **SPAIN (North Coast)** section, insert:

Puerto de Pasajes, Senocozulúa Lt Racon 43°19'.97N 1°55'.53W **67645**
M

Spanish Notice 17/293/03 Ad21/03

Page 56, after **GREECE** section, insert:**TURKEY (Aegean Coast)**

Babakale, Baba Burnu Lt Racon 39°28'.82N 26°03'.91E **70700**
K

Turkish Notice 17/81/03 Ad21/03

Page 102, **CANADA (Pacific Coast)** section

89490 Seal Rocks Lt, Hecate Strait
Delete morse ident **S** and replace by: **Y**

Canadian Radio Aids to Navigation, 2003 Annual Edition Ad20/03

Page 119, **UNITED STATES (Atlantic Coast)** section, insert:

Chesapeake Bay Approach Lt Buoy CH Racon 36°56'.13N 75°57'.40W **96820**
C

US Notice 18/12208/03 Ad20/03

DIFFERENTIAL GPS (DGPS)

BEACONS TRANSMITTING DGPS CORRECTIONS

Page 169, **INDIA**, delete entry for Azhikod Lt

(former amendment Ad18/03)

Page 170, Periyār River Lt, (Azhikod), **DGPS Corrections** column, tx (in kHz), delete 320 and replace by: 301

UKHOI Ad21/03

VOLUME 3, PART 2, NP 283(2), 2003/04

Published BA Wk 18/03

(Last Amendments: Edition No 11 dated 30 May 2003)

RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS

Page 120, **GREENLAND (Denmark), Aasiaat**, delete **Weather Bulletins** and **Navigational Warnings** sections and replace by:

Weather Bulletins		Navigational Warnings	
A-C: On receipt	Storm and Gale warnings for Areas 9-14 in Danish and English	B: On receipt 0235 0535 0835 1135 1435 1735 2035 2335 After Traffic List for the following 48 hours	Navigational Warnings for Area 6 in Danish and English
A-C: On request	18 hour forecast for Areas 9-14 in Danish and English	A-C: On request	Ice Reports in Danish and English

Danish Notice 117/03 Ad21/03

Page 122, **Qaqortoq**, delete **Weather Bulletins** and **Navigational Warnings** sections and replace by:

Weather Bulletins		Navigational Warnings	
A, B: On receipt	Storm and Gale warnings for Areas 5-10 in Danish and English	B: On receipt 0035 0335 0635 0935 1235 1535 1835 2135 After Traffic Lists for the following 48 hours	Navigational Warnings for Areas 3-5 in Danish and English
A, B: On request	18 hour forecast for Areas 5-10 in Danish and English	A, B: On request	Ice Reports in Danish and English

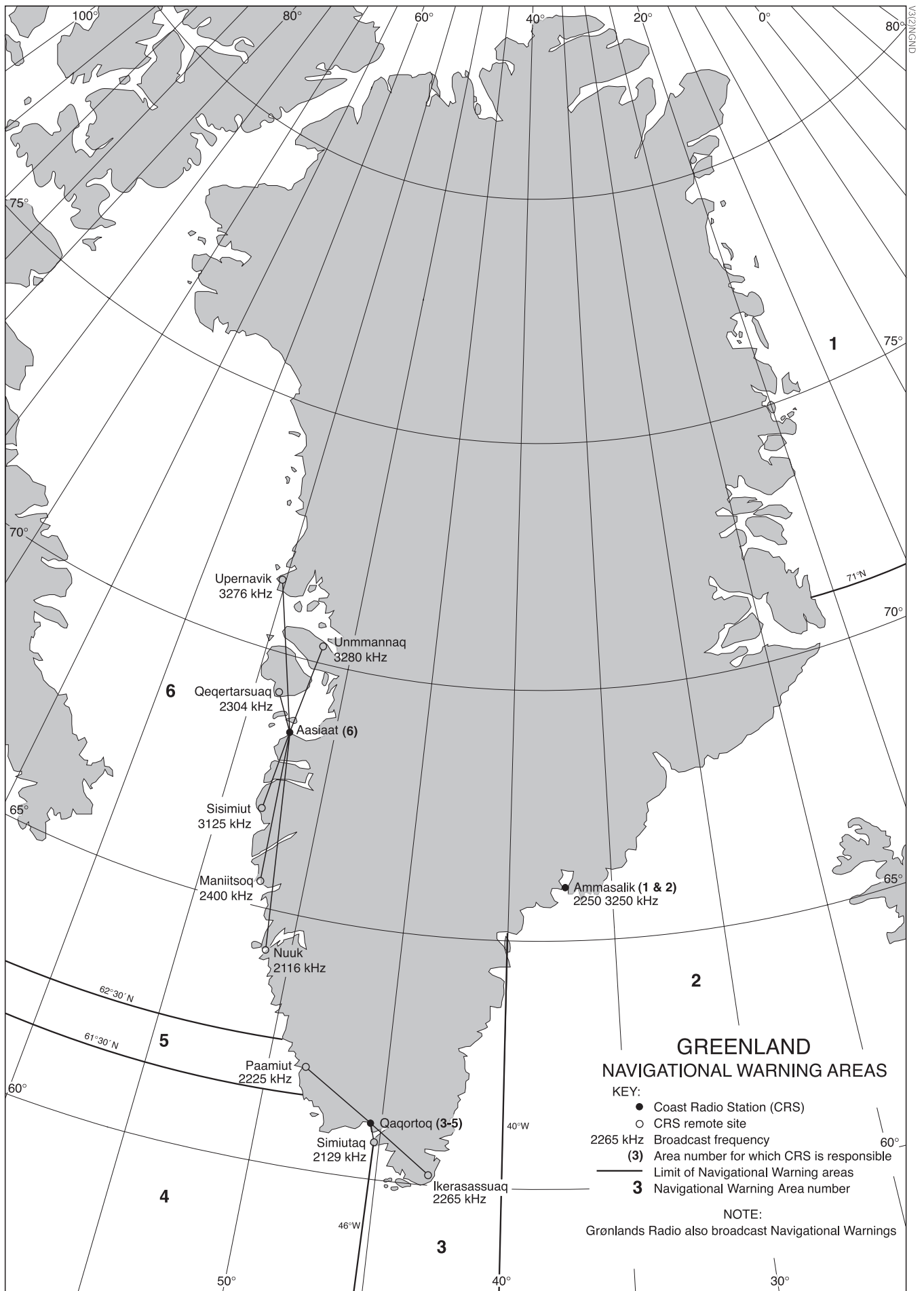
Danish Notice 117/03 Ad21/03

Page 124, diagram, **GREENLAND, NAVIGATIONAL WARNING AREAS**, delete and replace by diagram on page 19

Danish Notice 117/03 Ad21/03

Pages 146, **MALAYSIA, PENINSULAR, Penang (9MG)**, delete station

ITU List of Coast Stations and Malaysian Meteorological Service Ad21/03



Pages 146 and 147, delete country section **MALAYSIA (Sabah)**, and replace by:

MALAYSIA (Sabah)

NAVTEX [S]			
S	Sandakan	518 kHz	5°54'N 118°00'E
DIAGRAMS: pages 148 and 304			
Weather Bulletins		Navigational Warnings	
S: 0300 1500	In English	S: 0300 0700 1100 1500 1900 2300	In English

ITU List of Coast Stations and Malaysian Meteorological Service Ad21/03

MALAYSIA (Sarawak)

NAVTEX [T]			
T	Miri	518 kHz	4°27'N 114°01'E
DIAGRAMS: pages 148 and 304			
Weather Bulletins		Navigational Warnings	
T: 0310 1510	In English	T: 0310 0710 1110 1510 1910 2310	In English

ITU List of Coast Stations and Malaysian Meteorological Service Ad21/03

Page 148, diagram, **SINGAPORE and MALAYSIA, FORECAST AREAS**, delete and replace by diagram on page 21

Malaysian Meteorological Service Ad21/03

Page 172, **SAINT-PIERRE AND MIQUELON (France), Radio Atlantique**, delete **Weather Bulletins** section and replace by:

Weather Bulletins	
0658 0758 0958 1158 1358 1558 1658 LT	Forecast for Newfoundland, in French

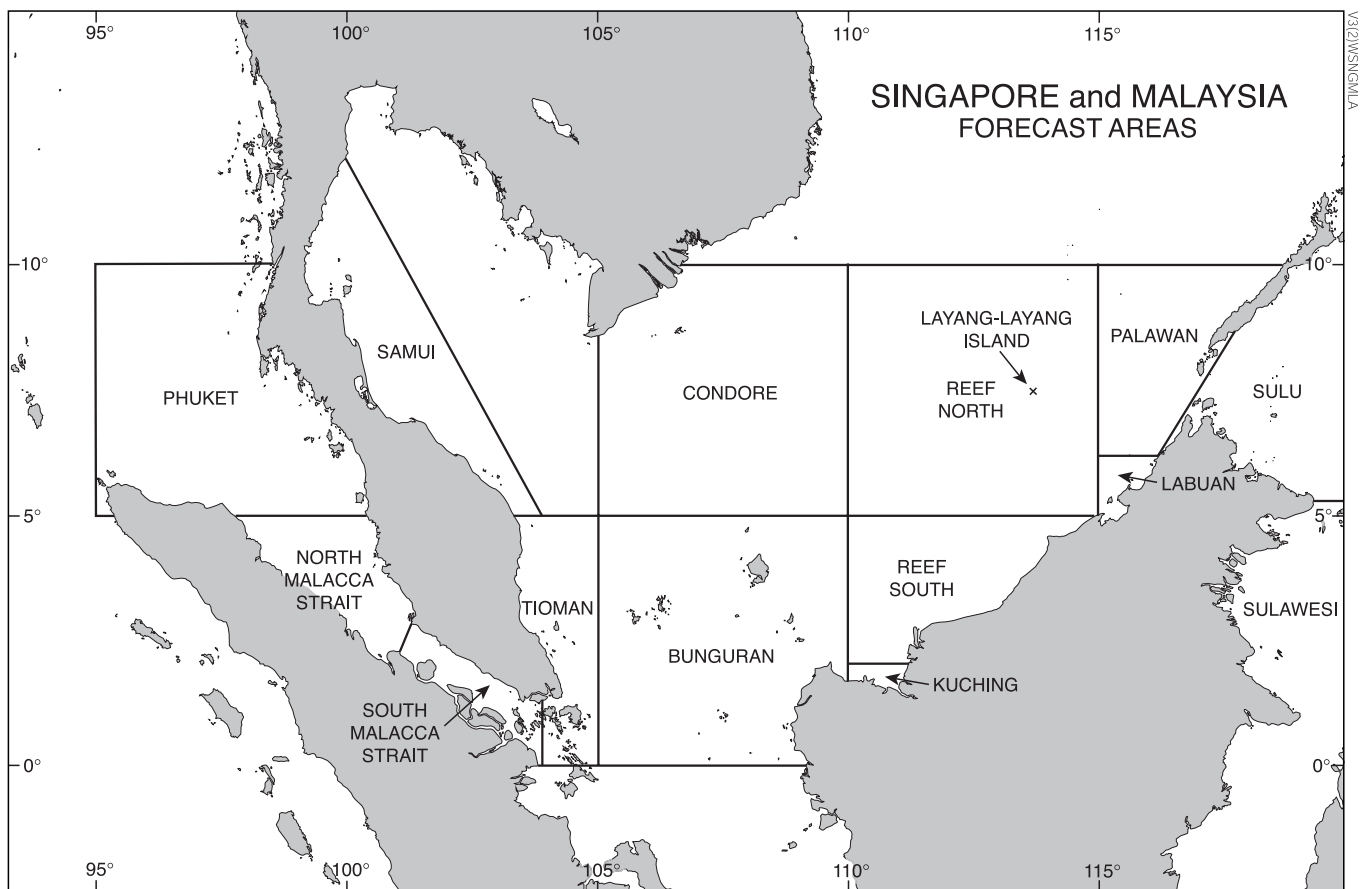
French Radio List 14/03 Ad21/03

VOLUME 5, NP 285, 2002/03

Published BA Wk 23-24/02

(Last Amendments: Edition No 10 dated 16 May 2003)

A New Edition of this volume is in the press and will be published shortly



VOLUME 6, PART 4, NP 286(4), 2002/03

Published BA Wk 36/02

*(Last Amendments: Edition No 11 dated 30 May 2003)**Page 195, KOREA, SOUTH, P'OHANG**Delete Port Traffic Management Service (PTMS) section and replace by:***Port Traffic Management Service (PTMS)**

DESCRIPTION: The PTMS is operated for the purpose of providing navigational information to vessels navigating within the P'ohang Port Limit.

AREA: The PTMS covers the inner harbour limit and a radius of 6 n miles from Changgigot (Homigot) Lt (36°04'5N 129°34'3E).

CALL: P'ohang Port Service

TELEPHONE: +82(0)54 2750313

FAX: +82(0)54 2745535

FREQUENCY: 1881.4 2183.4 kHz RT
Ch 16; 12

HOURS: H24

PROCEDURE:

- (1) Participation in the PTMS is compulsory for all vessels except fishing vessels.
- (2) Vessels shall contact P'ohang Port Service when approaching 10 n miles from Changgigot (Homigot) Lt to obtain navigational information.
- (3) Vessels should report to the PTMS as follows:

Type of Report	When Required
ETA Report	When 10 n miles from Changgigot (Homigot) Lt
Reporting Point	When 4 n miles from Changgigot (Homigot) Lt
Arrival Report	After berthing or dropping anchor
Shifting Report	Before or after shifting
ETD Report	Before departure
Departure Report	When leaving berth or anchorage

- (4) Vessels should maintain a continuous listening watch on VHF Chs 16 and 12.
- (5) Vessels should report any damage or defects to the vessel or its equipment affecting navigation.

P'ohang Port Website Ad20/03

VI

AMENDMENTS TO ADMIRALTY SAILING DIRECTIONS 2003

Nil