



Australian Notices to Mariners are the authority for correcting Australian Charts and Publications

AUSTRALIAN NOTICES TO MARINERS

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Notices 800 - 842

Published fortnightly by the Australian Hydrographic Service

Captain R. NAIRN RAN
Hydrographer of Australia

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 - III. **Navigational Warnings.**
 - IV. **Hydrographic Reports.**
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 - VI. **Amendments to Admiralty Sailing Directions (NP 9, 13, 14, 15, 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 North; 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 Wollongong, NSW 2500 (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 rccaus@amsa.gov.au).

Copies of these notices can be obtained from the AUSTRALIAN HYDROGRAPHIC OFFICE, 8 Station Street, Wollongong; Distributors for the sale of Australian Navigational Products; AHS website www.hydro.gov.au or register for eNotices at www.hydro.gov.au/enotices/enotices.htm.

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800 AUSTRALIA - Products - Australian National Tide Tables

AHS (AA283995)

<i>No</i>	<i>Title</i>	<i>Recommended Retail Price (incl GST)</i>	<i>Remarks</i>
AHP 11	Australian National Tide Tables (ANTT) 2008	\$55.00	Australian National Tide Tables 2008 for Australia, Antarctica, Papua New Guinea, Solomon Islands and East Timor. Available from accredited chart agents.
AHP 114	Seafarer ® Tides (SFT) 2008	\$55.00	Electronic Tide Tables (Seafarer Tides) 2008 for Australia, Antarctica, Papua New Guinea, Solomon Islands and East Timor. Provides tidal data for 2007 and 2008. Available from accredited chart agents and Seafarer® product distributors.

801 AUSTRALIA - Amendment to Australian National Tide Tables 2007 and 2008 and Seafarer Tides 2007

AHS (AA283410, AA283411)

Part III Secondary Ports - Time Differences and Tidal Levels

Amend port name Port Turton (Port No 61750) to *Point Turton* page 289, 2007 edition*Substitute* [accompanying page 289, 2008 edition](#)

Part IV Harmonic Constituents

Amend to Chart Datum correction for Doini I (Port No 55659) to *UNK* page 302, 2007 edition*Amend* port name Kimbe (Port No 56180) to *Numondo Anchorage* page 308, 2007 edition*Amend* to Chart Datum correction for Numondo Anchorage (Port No 56180) to *UNK* page 308, 2007 edition*Amend* port name Port Turton (Port No 61750) to *Point Turton* pages 358 and 359, 2007 edition*Substitute* [accompanying pages 358 and 359, 2008 edition](#)*Delete* Port Victoria (Port No 61760) entry pages 358 and 359, 2007 edition

Users of Seafarer Tides should view www.hydro.gov.au for an update. Seafarer Tides 2008 have corrections applied.

802* AUSTRALIA - NEW SOUTH WALES - Botany Bay - Kurnell - Pipeline and cable removed

Caltex (AA260726)

Aus 198 [752/2007]

Delete	pipeline between	34° 00'.08 S	151° 12'.54 E
		33° 59'.66 S	151° 12'.59 E
	submarine cable between	34° 00'.09 S	151° 12'.55 E
		33° 59'.66 S	151° 12'.59 E

Aus 199 [303/2007]

Delete	pipeline between	34° 00'.08 S	151° 12'.54 E
		33° 59'.66 S	151° 12'.59 E
	submarine cable between	34° 00'.09 S	151° 12'.55 E
		33° 59'.66 S	151° 12'.59 E

803* AUSTRALIA - NEW SOUTH WALES - Botany Bay - Bonna Point - Light beacon altered in position

Maritime NSW (AA98565)

Aus 198 [802/2007]

Insert	drying line between	34° 00'.388 S	151° 11'.199 E
		34° 00'.346 S	151° 11'.232 E
Move	light beacon to	34° 00'.28 S	151° 10'.95 E
		34° 00'.372 S	151° 11'.102 E
Delete	depth 0.2m	34° 00'.36 S	151° 11'.18 E
	drying line between	34° 00'.39 S	151° 11'.20 E
		34° 00'.32 S	151° 11'.08 E
		34° 00'.35 S	151° 11'.23 E

Aus 199 [802/2007]

Move	light beacon to	34° 00'.28 S	151° 10'.95 E
		34° 00'.372 S	151° 11'.102 E

804* AUSTRALIA - NEW SOUTH WALES - Port Jackson - Middle Harbour - Long Bay to Killarney Point - Nav aids

Maritime NSW (AA223962, AA223961, AA283136)

Aus 200 [304/2007]

Insert	starboard lateral light beacon, <i>Fl.G.3s</i> , with topmark	33° 48'.242 S	151° 14'.010 E
	port lateral light beacon, <i>Fl.R.3s</i> , with topmark	33° 48'.208 S	151° 13'.781 E
	starboard lateral light beacon, <i>Fl.G.3s</i> , with topmark	33° 47'.738 S	151° 14'.013 E
	starboard lateral light beacon, <i>Fl.G.3s</i> , with topmark	33° 48'.922 S	151° 13'.911 E
	port lateral light beacon, <i>Fl.R.3s</i> , with topmark	33° 47'.194 S	151° 13'.743 E
	port lateral light beacon, <i>Fl.R.3s</i> , with topmark	33° 47'.306 S	151° 13'.877 E
Move	starboard lateral light beacon to	33° 49'.17 S	151° 13'.19 E
		33° 49'.172 S	151° 13'.205 E
Substitute	starboard lateral beacon with topmark, for beacon	33° 49'.21 S	151° 13'.52 E
	special cylindrical light buoy, <i>Fl.Y.5s</i> , without topmark		
	for light buoy	33° 48'.37 S	151° 13'.39 E
	port lateral light beacon, <i>Fl.R.3s</i> , with topmark for		
	light beacon	33° 47'.20 S	151° 13'.15 E
	starboard lateral light beacon, <i>Fl.G.3s</i> , with topmark		
	for light beacon	33° 47'.01 S	151° 12'.78 E
Delete	light beacon	33° 48'.25 S	151° 13'.99 E
	light beacon	33° 48'.25 S	151° 13'.79 E
	light beacon	33° 47'.74 S	151° 14'.00 E
	light beacon	33° 47'.20 S	151° 13'.73 E
	light beacon	33° 48'.92 S	151° 13'.91 E
	light beacon	33° 47'.34 S	151° 13'.88 E

805* AUSTRALIA - NEW SOUTH WALES - Port Jackson - Greenwich to Huntleys Point and Iron Cove - Nav aids

NSW Maritime (AA223962, AA223961)

Aus 200 [804/2007]

Insert	port lateral spar buoy without topmark	33° 51'.795 S	151° 09'.487 E
	north cardinal conical light buoy, Q, with topmark	33° 51'.925 S	151° 08'.731 E

Move	starboard lateral light buoy	33° 50'.56 S	151° 10'.73 E
	to	33° 50'.574 S	151° 10'.734 E
	east cardinal light beacon	33° 50'.42 S	151° 08'.87 E
	to	33° 50'.410 S	151° 08'.880 E

Delete	north cardinal buoy	33° 51'.93 S	151° 08'.73 E
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Aus 202 [341/2007]

Move	starboard lateral light buoy	33° 50'.48 S	151° 10'.80 E
	to	33° 50'.484 S	151° 10'.804 E
	south cardinal beacon	33° 50'.56 S	151° 09'.86 E
	to	33° 50'.567 S	151° 09'.859 E

Aus 203 [551/2007]

Insert	port lateral spar buoy without topmark	33° 51'.795 S	151° 09'.487 E
	north cardinal conical light buoy, Q, with topmark	33° 51'.925 S	151° 08'.731 E

Move	starboard lateral light buoy	33° 50'.56 S	151° 10'.73 E
	to	33° 50'.574 S	151° 10'.734 E
	south cardinal beacon	33° 50'.66 S	151° 09'.78 E
	to	33° 50'.657 S	151° 09'.789 E
	east cardinal light beacon	33° 50'.42 S	151° 08'.87 E
	to	33° 50'.410 S	151° 08'.880 E

Delete	north cardinal buoy	33° 51'.93 S	151° 08'.73 E
	rock which covers and uncovers	33° 50'.65 S	151° 09'.79 E

806* AUSTRALIA - NEW SOUTH WALES - Norah Head - Chart limits

UKHO (AA283536)

Aus 361 [506/2007]

Insert	magenta limits, with legend <i>Aus 810</i> in SE corner, between	33° 05'.00 S	153° 05'.42 E
		33° 13'.11 S	153° 05'.42 E
		33° 13'.11 S	152° 06'.02 E
		33° 05'.00 S	152° 06'.02 E

807* AUSTRALIA - QUEENSLAND - Gladstone - Clinton Wharves - Infrastructure

Maritime Safety Queensland (DHDB 735124)

Aus 244 (plan, Gladstone and Adjacent Wharves) [717/2007]

Insert	accompanying block	23° 49'.2 S	151° 14'.8 E
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808* AUSTRALIA - QUEENSLAND - Jack Rock to Hunt Shoal - Depth, rock, nomenclature

UKHO (AA282247)

Aus 249 [755/2007]

Insert	legend <i>Dangerous Reef (2₄)</i> , centred on	21° 08'.0 S	149° 14'.5 E
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Amend	depth to 7 ₃ m	20° 59'.4 S	149° 20'.1 E
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Substitute	rock which does not cover, with legend (1·5), for rock which covers and uncovers	21° 26'.0 S	149° 48'.8 E
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809* AUSTRALIA - QUEENSLAND - Hay Point - Cumberland Channel - Anchorages
 Maritime Safety Queensland (AA273537)

Aus 249 [808/2007]

Insert	accompanying block A	21° 09'.0 S	149° 36'.0 E
	accompanying block B	21° 09'.0 S	149° 45'.0 E
	anchor berth, desig OS30, with swing circle radius 1M	21° 12'.65 S	149° 47'.70 E
	anchor berth, desig OS31, with swing circle radius 1M	21° 12'.65 S	149° 50'.02 E
	anchor berth, desig OS35, with swing circle radius 1M	21° 10'.47 S	149° 50'.04 E
	magenta arc, radius 1M, centred on	21° 10'.47 S	149° 47'.85 E
	between	21° 10'.0 S	149° 49'.8 E
		21° 11'.3 S	149° 47'.3 E
Delete	dashed magenta line between	21° 08'.3 S	149° 49'.0 E
		21° 09'.7 S	149° 51'.0 E
		21° 13'.7 S	149° 46'.5 E

Aus 823 [NE 8/6/2007]

Insert	accompanying block A	21° 10'.0 S	149° 29'.5 E
	accompanying block B	21° 10'.0 S	149° 44'.0 E

810* AUSTRALIA - QUEENSLAND - Hay Point - Depth and pilot boarding place
 UKHO (AA282246)

Aus 250 (plan, Hay Point) [384/2007]

Insert	depth, 8 ₂ m, enclosed by contour	21° 15'.465 S	149° 18'.488 E
	pilot boarding place	21° 17'.3 S	149° 20'.7 E

811* AUSTRALIA - QUEENSLAND - Reichelmann Rock - Depth
 UKHO (AA282249)

Aus 823 [809/2007]

Amend	depth to 2 ₃ m	21° 11'.3 S	149° 14'.8 E
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812* AUSTRALIA - CORAL SEA - Cairns to Port Moresby - Submarine cable disused

Telstra (AA277255)

Aus 373 [1216/2006]

Substitute	disused cable for cable between	16° 49'.9 S	145° 44'.4 E
		14° 25'.1 S	146° 05'.2 E

Aus 374 [966/2006]

Substitute	disused cable for cable between	14° 52'.7 S	146° 06'.3 E
		13° 16'.0 S	146° 10'.4 E

Aus 379 [756/2007]

Substitute	disused cable for cable between	10° 33'.0 S	147° 08'.7 E
		9° 31'.9 S	147° 14'.6 E

Aus 380 [756/2007]

Substitute	disused cable for cable between	10° 59'.7 S	147° 04'.0 E
		9° 31'.8 S	147° 14'.7 E

Aus 505 [756/2007]

Substitute	disused cable for cable between	10° 18'.0 S	147° 08'.1 E
		9° 31'.8 S	147° 14'.9 E

Aus 621 [756/2007]

Substitute	disused cable for cable between	9° 38'.3 S	147° 15'.2 E
		9° 31'.8 S	147° 14'.9 E

Aus 830 [1116/2006]

Substitute	disused cable for cable between	16° 50'.1 S	145° 44'.3 E
		16° 21'.8 S	145° 58'.0 E

Aus 831 [1216/2006]

Insert	disused cable between	15° 17'.4 S	146° 09'.0 E
		15° 12'.0 S	146° 07'.0 E
		15° 06'.6 S	146° 06'.4 E
		14° 56'.4 S	146° 06'.2 E

Substitute	disused cable for cable between	16° 27'.4 S	145° 52'.9 E
		16° 04'.9 S	146° 09'.0 E

Aus 832 [343/2007]

Insert	disused cable between	15° 09'.4 S	146° 06'.8 E
		15° 06'.6 S	146° 06'.4 E
		14° 54'.0 S	146° 06'.1 E
		14° 44'.4 S	146° 06'.6 E
		14° 32'.8 S	146° 06'.5 E
		14° 17'.3 S	146° 04'.4 E
		14° 16'.0 S	146° 04'.5 E

Aus 4060 (INT 60) [763/2007]

Substitute	disused cable for cable between	16° 45'.0 S	145° 40'.0 E
		9° 32'.0 S	147° 15'.0 E

Aus 4603 (INT 603) [763/2007]

Substitute	disused cable for cable between	16° 50'.0 S	145° 43'.0 E
		9° 32'.0 S	147° 15'.0 E

Aus 4604 (INT 604) [756/2007]

Substitute	disused cable for cable between	11° 57'.0 S	146° 40'.0 E
		9° 32'.0 S	147° 15'.0 E

Aus 4620 (INT 620) [758/2007]

Substitute	disused cable for cable between	16° 49'.8 S	145° 44'.1 E
		9° 32'.0 S	147° 14'.9 E

813* AUSTRALIA - QUEENSLAND - Howick Island - Chart limits
UKHO (AA283536)

Aus 373 [812/2007]

Insert	magenta limits, with legend Aus 833 in SE corner, between	14° 25'.05 S	145° 09'.14 E
		14° 33'.09 S	145° 09'.14 E
		14° 33'.09 S	144° 56'.00 E

814* AUSTRALIA - TORRES STRAIT - Gabba Island - Rock
RNOTI (AA282460)

Aus 840 [757/2007]

On certain copies only

Insert	rock which does not cover, with legend (1-0)	9° 46'.89 S	142° 38'.00 E
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815* PAPUA NEW GUINEA - New Ireland - Sperber Point - Wreck
HMAS *Mermaid* (AA282105)

Aus 397 [392/2007]

Insert	stranded wreck	4° 40'.3 S	152° 44'.1 E
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Aus 554 [NE 2/2/2007]

Insert	stranded wreck	4° 40'.32 S	152° 43'.83 E
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Delete	depth 11 _{gm}	4° 40'.4 S	152° 43'.7 E
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Aus 668 (plan, Cape St George to Sperber Point) [268/2002]

Insert	stranded wreck	4° 40'.31 S	152° 44'.28 E
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816* PAPUA NEW GUINEA - New Britain - Watom Island - Depths
HMAS *Mermaid* and *Paluma* (AA282153)

Aus 545 [760/2007]

Insert	accompanying block	4° 05'.0 S	152° 05'.0 E
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Substitute	accompanying ZOC diagram	4° 19'.0 S	151° 37'.0 E
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Aus 554 [815/2007]

Insert	accompanying block	4° 05'.0 S	152° 09'.0 E
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817* PAPUA NEW GUINEA - New Britain - Peter Haven - Leading beacons discontinued
HMAS *Mermaid* (AA215786)

Aus 395 [392/2007]

Delete	beacon	4° 40'.0 S	149° 32'.5 E
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Aus 676 (plan, Peter Haven) [340/2007]

Delete	beacon	4° 40'.1 S	149° 32'.6 E
	beacon	4° 40'.1 S	149° 32'.8 E
	dashed and continuous line with legend 271° 00'		
	emanating from beacon	4° 40'.1 S	149° 32'.6 E

818* AUSTRALIA - WESTERN AUSTRALIA - Timor Sea - Oil field discontinued
Timor Sea Designated Authority (AA280964)

Aus 312 [324/2005]

Delete	FPSO with legend Elang	10° 52'.5 S	126° 34'.1 E
	restricted area centred on	10° 52'.7 S	126° 35'.1 E
	restricted area centred on	10° 51'.0 S	126° 28'.3 E
	cautionary area with legend Cautionary Area (see Note)		
	centred on	10° 51'.9 S	126° 32'.1 E
	legend Oil	10° 51'.5 S	126° 31'.6 E

Aus 4060 (INT 60) [812/2007]

Delete	FPSO	10° 52'.0 S	126° 34'.0 E
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Aus 4603 (INT 603) [812/2007]

Delete	FPSO	10° 52'.5 S	126° 34'.1 E
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Aus 4721 (INT 721) [763/2007]

Move	legend Cautionary Area (see Note)	10° 54'.0 S	126° 46'.0 E
	to	11° 00'.0 S	126° 46'.0 E
Delete	FPSO and enclosing restricted area	10° 52'.5 S	126° 34'.1 E

819* INDONESIA - Sumbawa to Lombok - Lights
UKHO (AA283016, AA277259)

Aus 414 [727/2007]

Insert	light, <i>FI(2)10s 12M</i> , with legend <i>Shopialousia</i>	8° 55'.3 S	116° 00'.1 E
Delete	light	8° 54'.2 S	116° 00'.1 E

Aus 4722 (INT 722) [642/2007]

Insert	light <i>FI(2) 24M</i>	8° 53'.4 S	118° 28'.0 E
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820 INDONESIA - Jawa to Sumatera - Lights
British Admiralty Notices 36/3985-3987/2007 (AA283386)

Aus 4060 (INT 60) [818/2007]

Insert	light	8° 30'.0 S	113° 18'.0 E
	light	8° 22'.0 S	111° 31'.0 E
	light	7° 01'.0 S	105° 31'.0 E
	light	7° 23'.0 S	106° 24'.0 E
	light	5° 54'.0 S	104° 26'.0 E

Aus 4070 (INT 70) [729/2007]

Insert	light	8° 30'.0 S	113° 18'.0 E
	light	8° 22'.0 S	111° 31'.0 E
	light	7° 01'.0 S	105° 31'.0 E
	light	7° 23'.0 S	106° 24'.0 E
	light	5° 54'.0 S	104° 26'.0 E

Aus 4071 (INT 71) [680/2007]

Insert	light	8° 30'.0 S	113° 18'.0 E
	light	8° 22'.0 S	111° 31'.0 E
	light	7° 01'.0 S	105° 31'.0 E
	light	7° 23'.0 S	106° 24'.0 E
	light	5° 54'.0 S	104° 26'.0 E

Aus 4708 (INT 708) [680/2007]

Insert	light with legend <i>Barung</i>	8° 30'.0 S	113° 18'.0 E
	light with legend <i>Panehan</i>	8° 22'.0 S	111° 31'.0 E
	light with legend <i>Deli</i>	7° 01'.0 S	105° 31'.0 E
	light	7° 23'.0 S	106° 24'.0 E
	light	5° 54'.0 S	104° 26'.0 E

821* AUSTRALIA - WESTERN AUSTRALIA - Rowley Shoals - Chart limits
UKHO (AA283536)

Aus 414 [819/2007]

Insert	magenta limits, with legend <i>Aus 324</i> in NW corner, between	17° 45'.0 S	120° 24'.3 E
		16° 46'.3 S	120° 24'.3 E
		16° 46'.3 S	120° 41'.8 E

822* AUSTRALIA - WESTERN AUSTRALIA - Bandy Creek - Light buoy established in position
DPI (AA282560)

Aus 119 (plan, Bandy Creek Boat Harbour) [861/2006]

Insert	starboard lateral spar light buoy, <i>Fl.G.3s</i> , with topmark	33° 49'.959 S	121° 55'.974 E
Delete	depth 4 ₃ m	33° 49'.96 S	121° 55'.96 E

823* AUSTRALIA - SOUTH AUSTRALIA - Wallaroo Bay - Marine farm

Aus 777 [437/2007]

Insert	marine farm with legend <i>Marine Farm</i> (see Note) between	33° 58'.52 S	137° 25'.59 E
		33° 57'.51 S	137° 25'.60 E
		33° 57'.49 S	137° 27'.39 E
		33° 56'.82 S	137° 27'.54 E
		33° 56'.55 S	137° 29'.03 E
		33° 56'.13 S	137° 30'.21 E
		33° 55'.60 S	137° 30'.86 E
		33° 55'.36 S	137° 32'.19 E
		33° 56'.09 S	137° 32'.21 E
		33° 56'.86 S	137° 31'.02 E
		33° 57'.46 S	137° 29'.16 E
		33° 57'.66 S	137° 28'.27 E
		33° 58'.11 S	137° 27'.99 E
		33° 58'.52 S	137° 25'.59 E

824* AUSTRALIA - TASMANIA - D'Entrecasteaux Channel - Chart limits
UKHO (AA283536)

Aus 173 [568/2007]

Insert	magenta limits, with legend <i>Aus 171</i> in SW corner, between	43° 07'.95 S	147° 27'.00 E
		43° 07'.95 S	147° 14'.82 E
		43° 00'.00 S	147° 14'.82 E
	magenta limits, with legend see <i>Plan</i> in NW corner, between	43° 08'.000 S	147° 14'.683 E
		43° 08'.000 S	147° 16'.317 E
		43° 07'.200 S	147° 16'.317 E
		43° 07'.200 S	147° 14'.683 E
Delete	magenta limits, with legend <i>Aus 171</i> , centred on	43° 04'.0 S	147° 20'.5 E

825* AUSTRALIA - TASMANIA - Swansea - Light
MAST Notice 101-07 (AA283389)

Aus 766 [NC 30/04/2007]

Insert	light <i>Fl.Bu.5s 2M</i>	42° 07'.36 S	148° 04'.67 E
Delete	depth 0 ₃ m	42° 07'.3 S	148° 04'.7 E

826* AUSTRALIA - TASMANIA - Georges Bay - Buoy established in position
Former Notice - 857(T)/2004 is cancelled
MAST (AA280838)

Aus 169 (plan, Georges Bay) [399/2007]

Insert	special spar buoy without topmark	41° 16'.133 S	148° 20'.297 E
--------	-----------------------------------	---------------	----------------

827* AUSTRALIA - VICTORIA - Port Phillip - Pilot boarding place

Port of Melbourne Corporation (AA282608)

Aus 143 [730/2007]Move pilot boarding place
to

38° 20'.0 S	144° 34'.0 E
38° 21'.20 S	144° 32'.60 E

Aus 788 [730/2007]Move pilot boarding place
to

38° 20'.0 S	144° 34'.0 E
38° 21'.20 S	144° 32'.60 E

828(T)/2007 AUSTRALIA - NEW SOUTH WALES - Newcastle - Scientific instrument recovered
Former Notice - 361(T)/2007 is cancelled
 Newcastle Port Corp (AA284348)

Cancel this notice on receipt.

Chart formerly affected – Aus 207 – Aus 208

829(T)/2007 AUSTRALIA - QUEENSLAND - Brisbane River - Eagle Farm Flats Reach - Drilling operations

Date - Until 31 October 2007

Maritime Safety Queensland Notice 591(T)/07 (AA283852)

Barge *Sea Lift 1* is conducting drilling operations between 27° 25'.97 S 153° 06'.94 E and 27° 26'.13 S 153° 07'.11 E. The barge displays appropriate lights and shapes, and can be contacted on VHF Ch 12.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 238

830(T)/2007 AUSTRALIA - QUEENSLAND - Brisbane River - Cameron Rocks - Light unlit

Maritime Safety Queensland Notice 608(T)/2007 (AA284944)

The light K2874-7 (27° 26'.40 S 153° 03'.04 E) is unlit.

Chart temporarily affected – Aus 238

831(T)/2007 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Triangular Island - Demolition activities completed

Former Notice - 655(T)/2007 is cancelled

Maritime Safety Queensland Notice 536(T)/2007 (AA280828)

Cancel this notice on receipt.

Chart formerly affected – Aus 260 – Aus 367 – Aus 822 – AX 60260

832(T)/2007 AUSTRALIA - QUEENSLAND - Townsville - Ross River - Drilling operations

Date - Until 31 October 2007

Maritime Safety Queensland 607(T)/2007 (AA284833)

Drilling operations are in progress between 19° 16'.2 S 146° 50'.3 E, 19° 15'.3 S 146° 51'.4 E, and 19° 14'.1 S 146° 50'.5 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 256 – Aus 257

833(T)/2007 AUSTRALIA - QUEENSLAND - Low Islets - Sector light trial extended

Date - Until 1 March 2008

Former Notice - 1002(T)/2006 is cancelled

AMSA (AA283910)

A sector light, in addition to the existing light, exists as follows:

<i>Position</i>	<i>Characteristic</i>	<i>Sector</i>
16° 23'.07 S 145° 33'.59 E	Iso. 2s 20m 10M	Green 313° - 318° (5°)
		White 318° - 323° (5°)
		Red 323° - 328° (5°)

Chart temporarily affected – Aus 373 – Aus 830 – Aus 831

834(T)/2007 AUSTRALIA - NORTHERN TERRITORY - Cape Croker to Vashon Head - Scientific instruments recovered

Former Notice - 241(T)/2007 is cancelled

HMAS *Leeuwin* (AA284283)

Cancel this notice on receipt.

Chart formerly affected – Aus 18 – Aus 308 – Aus 721

835(T)/2007 AUSTRALIA - WESTERN AUSTRALIA - West Holothuria Reef to Cassini Island - Scientific instruments recovered

Former Notice - 663(T)/2007 is cancelled
Hydro Cairns (AA284284)

Cancel this notice on receipt.

Chart formerly affected – Aus 318 – Aus 319 – Aus 320 – Aus 728

836(T)/2007 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Scientific instruments

Date - Until 30 September 2007
MetOcean (AA284862)

Scientific instruments exist as follows:

Position (WGS 84 datum)	Remarks
13° 51'.74 S 123° 12'.83 E	lit buoy <i>Fl(5)Y.20s</i>
13° 44'.63 S 123° 21'.40 E	lit buoy <i>Fl(5)Y.20s</i>
13° 44'.41 S 123° 22'.29 E	lit buoy <i>Fl(5)Y.20s</i>
13° 44'.97 S 123° 22'.46 E	subsurface

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 319

837(T)/2007 AUSTRALIA - WESTERN AUSTRALIA - Maret Islands - Scientific instruments

Former Notice - 664(T)/2007 is cancelled
MetOcean (AA284722)

Scientific instruments exist as follows:

Position (WGS 84 datum)	Remarks
14° 27'.62 S 124° 59'.71 E	subsurface
14° 27'.60 S 124° 59'.70 E	4 white poly floats
14° 27'.56 S 124° 59'.79 E	lit buoy <i>Fl(5)Y.20s</i>
14° 27'.59 S 124° 59'.73 E	4 white poly floats
14° 26'.70 S 125° 00'.50 E	subsurface
14° 25'.66 S 124° 58'.22 E	subsurface
14° 25'.64 S 124° 58'.22 E	4 white poly floats
14° 25'.37 S 124° 58'.48 E	subsurface
14° 25'.38 S 124° 58'.47 E	4 white poly floats
14° 24'.95 S 124° 57'.47 E	subsurface
14° 24'.94 S 124° 57'.44 E	4 white poly floats
14° 24'.58 S 124° 57'.56 E	subsurface
14° 24'.58 S 124° 57'.55 E	4 white poly floats
14° 23'.49 S 124° 52'.74 E	subsurface
14° 23'.47 S 124° 52'.73 E	4 white poly floats
14° 17'.22 S 124° 32'.60 E	subsurface
14° 17'.15 S 124° 32'.60 E	4 white poly floats
14° 11'.85 S 124° 15'.06 E	subsurface
14° 11'.82 S 124° 15'.04 E	4 white poly floats
13° 51'.52 S 123° 12'.97 E	4 white poly floats

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 320 – Aus 729

838(T)/2007 AUSTRALIA - WESTERN AUSTRALIA - Bonaparte Archipelago - Prince Frederick Harbour - Scientific instruments

Date - Until 12 October 2007
HMAS *Paluma* (AA284286)

Scientific instruments exist in positions (WGS 84 datum):

14° 56'.96 S 125° 07'.95 E
15° 00'.72 S 125° 08'.16 E
15° 01'.65 S 125° 10'.83 E
15° 03'.33 S 125° 15'.53 E
15° 04'.55 S 125° 16'.95 E

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 320 – Aus 730

839(T)/2007 AUSTRALIA - WESTERN AUSTRALIA - Champagny Island - Scientific instruments recovered

Former Notice - 244(T)/2007 is cancelled
MetOcean (AA284722)

Cancel this notice on receipt.

Chart formerly affected – Aus 320 – Aus 730

840(T)/2007 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Parker Point - Dredging operations
Dampier Port Notice 30/2007 (AA283912)

Dredging operations are in progress in the vicinity of Parker Point (20° 38'.2 S 116°42'.8 E (WGS 84 datum)).
500m exclusion zones exist around positions 20° 38'.25 S 116° 42'.77 E and 20° 38'.25 S 116° 43'.03 E

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 57 – Aus 58 – Aus 59

841(T)/2007 AUSTRALIA - TASMANIA - Derwent River - New Town Bay - Obstructions.

Former Notice - 122(T)/2007 is cancelled
MAST Notice M104-07 (AA284166)

Obstructions, sunken marina pontoons, exist in the vicinity of 42° 50'.7 S 147° 19'.0 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 172

842(T)/2007 AUSTRALIA - Summer time

Governments NSW and TAS (AA284912, AA284913)

Clocks will be advanced/retarded one hour in the following states at 0200/0300 local time as follows:

	<i>Advanced</i>	<i>Retarded</i>
Australian Capital Territory	28 OCT 2007	6 APR 2008
New South Wales	28 OCT 2007	30 MAR 2008
South Australia	28 OCT 2007	6 APR 2008
Victoria	28 OCT 2007	6 APR 2008
Tasmania	7 OCT 2007	6 APR 2008
Western Australia	28 OCT 2007	6 APR 2008

No changes will be made in Queensland and Northern Territory.

II

AMENDMENTS TO ADMIRALTY LIST OF LIGHT AND FOG SIGNALS VOLUME K 2007/08

Edition No 19 dated 28 September 2007

Last Amendment: Edition No 18 dated 14 September 2007

K0861-5	Gosong Gedang (I)	1 03-11 S 100 15-13 E	Q(3) W 6s	17	10	White framework tower 15	<i>(fl 0-5, ec 0-5) x 2, fl 0-5, ec 3-5</i>
		*	*			*	*
K0883-62	- Pulau Sibarubaru	3 17-30 S 100 19-83 E	Fl(2) W 10s	43	15	White beacon	<i>fl 0-5, ec 1, fl 0-5, ec 8</i>
*	*	*	*	*	*	*	*
K0885-51	- Pulaubaii. Ldg Lts 145°30'. Rear. 270m from front (I)	3 55-50 S 102 17-60 E	Oc W 3s	12	8	White ▽ on white beacon 12	<i>ec 1. Ra refl</i>
			*				*
K1261-8	Pulau Barung (I)	8 27-80 S 113 20-62 E	Fl(2) W 12s	145	24	White tower 40	<i>fl 1-5, ec 2, fl 1-5, ec 7</i>
		*					
K1264-1	Tanjung Bukit Baron (I)	8 09-08 S 110 36-75 E	Fl W 5s	70	12	White beacon	<i>fl 0-5</i>
*	*	*	*	*	*	*	*
K1411-8	Tg Serambut. Ldg Lts. Front	2 59-40 S 113 03-20 E	Iso W 2s	15	6	Beacon	
			*				*
K1411-85	Tg Serambut. Ldg Lts. Rear	2 59-17 S 113 03-20 E	Fl W 4s	16	6	White beacon 13	<i>fl 1</i>
			*		*		*
K2193	Barwon River. Ldg Lts 296-4°. Front	38 17-09 S 144 29-90 E	Fl W 3s	3	1	3	
	*	*	*				
K2193-15	Barwon River	38 17-21 S 144 30-23 E	Q R	3	2	Beacon	
*	*	*	*	*	*	*	*
K2344	- WILLIAMSTOWN. Channel. Dir Lt 324°28'	37 50-84 S 144 54-32 E	Dir VQ WRG	10	5	..	G 322-64°-323-34°(0-7°), W 323-34°-325-59°(2-25°), R 325-59°-326-99°(1-4°). Shown 24 hours
			*				*
K2374	- RIVER YARRA. No 26 - - -	37 50-87 S 144 54-13 E ..	F R Fl R 2s	..	..	Red beacon	
		*	*	*	*	*	*
K2375	- RIVER YARRA. No 25 - - -	37 50-80 S 144 54-22 E ..	F G Fl G 2s	..	..	Green beacon	
		*	*	*	*	*	*
K2378	- RIVER YARRA. No 28 - - -	37 50-71 S 144 53-96 E ..	F R Fl R 2s	..	..	Red beacon	
		*	*	*	*	*	*
K2379	- RIVER YARRA. No 27 - - -	37 50-66 S 144 54-07 E ..	F G Fl G 2s	..	..	Green beacon	
		*	*	*	*	*	*

Volume K *continued*

K2382	- RIVER YARRA. No 30	37 50-52 S 144 53-85 E	F R		Red beacon	
---		..	Fl R 2s			
		*	*	*	*	*
K2383	- RIVER YARRA. No 29	37 50-49 S 144 53-97 E	F G	4 ..	Green beacon	
---		..	Fl G 2s			
		*	*	*	*	*
K2384	- RIVER YARRA. No 32	37 50-33 S 144 53-78 E	F R		Red beacon	
---		..	Fl R 2s			
		*	*	*	*	*
K2385	- RIVER YARRA. No 31	37 50-31 S 144 53-90 E	F G		Green beacon	
---		..	Fl G 2s			
		*	*	*	*	*
K2386	- RIVER YARRA. No 34	37 50-13 S 144 53-77 E	F R		Red beacon	
---		..	Fl R 2s			
		*	*	*	*	*
K2387	- RIVER YARRA. No 33	37 50-13 S 144 53-89 E	F G		Green beacon	
---		..	Fl G 2s			
		*	*	*	*	*
K2388	- RIVER YARRA. No 36	37 49-92 S 144 53-80 E	F R		Red beacon	
---		..	Fl R 2s			
		*	*	*	*	*
K2389	- RIVER YARRA. No 35	37 49-94 S 144 53-92 E	F G		Green beacon	
---		..	Fl G 2s			
		*	*	*	*	*
K2395-3	- RIVER YARRA. No 38A	37 49-78 S 144 53-87 E	F R		Red ☐ on red beacon	Marks limit of Westgate Pier ship impact protection bund wall
---		..	Fl R 2s			
			*	*	*	*
K2395-5	- RIVER YARRA. No 38B	37 49-73 S 144 53-89 E	F R		Red ☐ on red beacon	Marks limit of Westgate Pier ship impact protection bund wall
---		..	Fl R 2s			
			*	*	*	*
K2396	- RIVER YARRA. No 37	37 49-77 S 144 54-00 E	F G		Green beacon	
---		..	Fl G 2s			
		*	*	*	*	*
K2397	- RIVER YARRA. No 40	37 49-61 S 144 53-97 E	F R		Red beacon	
---		..	Fl R 2s			
		*	*	*	*	*
K2398	- RIVER YARRA. No 39	37 49-66 S 144 54-08 E	F G		Green beacon	
---		..	Fl G 2s			
		*	*	*	*	*

Volume K *continued*

K2401-4	- RIVER YARRA. No 41	37 49-55 S 144 54-19 E	F G		Green beacon		
---		..	Fl G 2s				
		*	*	*	*	*	*
K2401-6	- RIVER YARRA. No 42	37 49-40 S 144 54-18 E	F R		Red beacon		
---		..	Fl R 2s				
		*	*	*	*	*	*
K2402	- RIVER YARRA. No 44	37 49-36 S 144 54-26 E	F R		Red beacon		
---		..	Fl R 2s				
		*	*	*	*	*	*
K2403	- RIVER YARRA. No 43	37 49-44 S 144 54-34 E	F G		Green beacon		
---		..	Fl G 2s				
		*	*	*	*	*	*
K2404	- RIVER YARRA. Lts in line 146°30'. Front. No 45	37 49-36 S 144 54-47 E	F G		Green beacon		
-----		..	Fl G 2s				
		*	*	*	*	*	*
K2405	- RIVER YARRA. No 46	37 49-22 S 144 54-49 E	F R		Red beacon		
---		..	Fl R 2s				
		*	*	*	*	*	*
K2405-5	- RIVER YARRA. No 47	37 49-33 S 144 54-57 E	F G		Green beacon		
---		..	Fl G 2s				
		*	*	*	*	*	*
K2406-2	- RIVER YARRA. No 48	37 49-19 S 144 54-57 E	F R		Red beacon		
---		..	Fl R 2s				
		*	*	*	*	*	*
K2406-4	- RIVER YARRA. No 50	37 49-12 S 144 54-71 E	F R		Red beacon		
---		..	Fl R 2s				
		*	*	*	*	*	*
K2406-5	- RIVER YARRA. No 49	37 49-26 S 144 54-78 E	F G		Green beacon		
---		..	Fl G 2s				
		*	*	*	*	*	*
K2407	- RIVER YARRA. No 52	37 49-12 S 144 54-99 E	F R		Beacon		
---		..	Fl R 2s				
		*	*	*	*	*	*
K2408	- RIVER YARRA. VICTORIA DOCK. No 54	37 49-09 S 144 55-54 E	F R				
----		..	Fl R 2s				
		*	*	*	*	*	*
K2846-47	-	28 10-07 S 153 33-04 E	Fl Y 5s		× on yellow beacon		
*	*	*	*	*	*	*	*

Volume K *continued*

K2846-48	-	28 10-17 S 153 32-94 E	Iso G 2s	..	..	Green beacon	
			*				
K2846-8	Remove from list						
K2846-86	Remove from list						
K2846-88	- Terranora Inlet	28 11-13 S 153 32-43 E	Iso R 2s	..	..	Red beacon	
			*			*	
K3391-7	Pulau Bepondi. N	0 23-63 S 135 16-45 E	Fl(2) W 12s	33	20	White beacon 30	<i>fl 1-5, ec 2, fl 1-5, ec 7</i>
*	*	*	*	*	*	*	*
K3696	Mangonui Harbour. Rangikapiti. Head	34 58-85 S 173 31-53 E	Fl WR 5s	53 W11 R 7		White metal post on shed 3	<i>fl 1.</i> W 067°-136°(69°), R 136°-146°(10°), W 146°-171°(25°), R 171°-179°(8°). TE 2007
		*					*
K3736-1	- Kaikoura Island Westward. Paget Rock (MSA)	36 10-98 S 175 18-49 E	Fl(2) W 4s	2	2	Black $\bigcirc$ on black framework tower, red band 2	
*	*	*	*	*	*	*	*
K3983-2	- Breakwater	39 28-17 S 176 55-20 E	VQ(2) W 5s	12	5	White mast 9	<i>fl 0-3, ec 0-3, fl 0-3, ec 4-1</i>
				*			*
K4784-64	- Kake. Ldg Lts 157°. Front (F)	21 29-63 S 165 58-52 E	Fl W 4s	..	6	White metal column	<i>fl 1.</i> TE 2007
		*					*
K4784-642	- Kake. Ldg Lts 157°. Rear. 2260m from front (F)	21 30-78 S 165 59-04 E	Fl W 4s	..	6	White metal column	<i>fl 1.</i> Synchronized with front. TE 2007
		*					*
K4799-68	- Récif Moziman (F)	22 23-35 S 166 50-91 E	Q(6)+LFl W 15s	7	2	∇ on black buoyant beacon, yellow top	
				*			*
K4952	- Pointe Vénus (F)	17 29-70 S 149 29-66 W	Fl W 5s	31	27	White tower 33	Aeromarine. <i>fl 0-1</i>
		*					*
K4965-9	- Passe d'Aifa. E side (F)	17 47-10 S 149 25-30 W	Fl G 2-5s	4	6	Green $\triangle$ on green beacon 5	<i>fl 0-5.</i> TE 2007
							*
K4965-92	- Passe d'Aifa. Mouillage d'Aifa. Southeastwards (F)	17 46-70 S 149 25-60 W	Fl R 2-5s	3	4	Red $\square$ on red beacon 6	<i>fl 0-5.</i> TE 2007
							*
K4966-81	- Passe de Papeiri (Putaimaru). Ldg Lts 242°48'. Rear. 160m from front (F)	17 43-00 S 149 18-60 W	Iso W 4s	114	8	White $\square$, red stripe, on column 2	
							*

Volume K *continued*

K4971-3	- PORT D'UTUROA. Pointe du Roi Tamatoa. Eastwards (F)	16 43-57 S 151 26-26 W	Fl(2) G 6s	5	5	Green $\triangle$ on green beacon 6	
		*	*				
K4982-61	- Passe de Teavanui. Ldg Lts 113-4°. Rear. 200m from front (F)	16 30-19 S 151 45-09 W	Iso R 4s	16	5	White pylon, red bands 16	Synchronized with front. TE 2007
		*					*
K4986	- Passe Onoiau. Tuuaite (F)	16 29-00 S 152 14-80 W	Fl R 2-5s	5	5	Red $\square$ on red beacon 8	<i>fl 0-5.</i> TE 2007
							*
K4986-6	- Motu Pitiahe. E (F)	16 28-86 S 152 14-73 W	Q R	3	4	Red $\square$ on red beacon 4	TE 2007
							*
K4998	- Tuherahera. Anchorage (F)	15 06-40 S 148 14-20 W	Q(9) W 15s	4	5	∇ on yellow beacon, black band 7	
							*
K5004-8	- Récif Ohuhe (F)	16 02-42 S 142 28-22 W	Q G	4	4	Green $\triangle$ on green beacon 4	
		*					*
K5025-75	- Passe Mahanatoa (F)	23 51-14 S 147 40-13 W	VQ(9) W 10s	4	4	∇ on yellow beacon, black band 9	
							*
K5057	- Baie de Vaipae. Pointe Matatehoutu (F)	8 56-75 S 139 33-93 W	Fl G 2-5s	9	5	Green beacon 5	<i>fl 0-5.</i> TE 2007
		*					*

III

NAVIGATION WARNINGS

The following radio messages have been received during the period to 14 September 2007. 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

- 236 NW Coast. Drill rig *Songa Venus* in position 20° 57'.20 S 114° 52'.10 E. 2.5M clearance requested.
237 Cancelled.
238 NW Coast. Seismic survey vessel *Geco Diamond* towing 8 x 3M cables in area 19° 00'.00 S to 19° 40'.00 S and 112° 55'.00 E to 113° 25'.00 E.
239 NW Coast. Drill rig *Ensco 106* in position 20° 32'.59 S 115° 09'.78 E. 2.5M clearance requested.
240 NW Coast. Uncharted rock located in position 15° 02'.83 S 125° 13'.51E.
241 Cancelled.
242 Cancelled.
243 NW Coast. Special purpose vessel *Veritas Voyager* conducting seismic survey towing 3M cable in area 14° 25'.00 S to 14° 55'.00 S and 121° 20'.00 E to 122° 10'.00 E. 5M clearance requested.
244 NW Coast. Drill rig *Songa Mercur* in position 19° 15'.60 S 116° 38'.20 E. 2.5M clearance requested.
245 NW Coast. Drill rig *Ocean Epoch* in position 13° 31'.42 S 123° 24'.14 E. 2.5M clearance requested.
246 N Coast. Special purpose vessel *Markab* conducting drilling operations in position 10° 12'.00 S 128° 46'.00 E. 2.5M clearance requested.

NAVAREA X WARNINGS

Nil issued.

Navigational warnings in force as at 140001UTC SEP 07.

Auscoast

181 203 217 219 224 232 235 236 238 239 240 243 244 245 246.

Navarea X

007 008.

Summary of mobile drilling rigs as at 140001UTC SEP 07.

Name	Position
Ocean Epoch	13° 31'.42 S 123° 24'.14 E
Songa Mercur	19° 15'.60 S 116° 38'.20 E
Ocean Bounty	19° 31'.26 S 116° 05'.53 E
Sedco 703	19° 48'.49 S 115° 18'.26 E
Stena Clyde	20° 03'.10 S 115° 10'.40 E
Songa Venus	20° 57'.20 S 114° 52'.10 E
Ensco 106	20° 32'.59 S 115° 09'.78 E
Nan Hai VI	21° 26'.40 S 114° 02'.80 E
Jack Bates	21° 28'.90 S 113° 59'.30 E
Atwood Eagle	21° 28'.50 S 113° 49'.50 E

NAVAREA XIV WARNINGS

- 044 South Pacific. FrenchPolynesia. Society Archipelago. Windward Island. West Tetiaroa Island. Gun firing exercises will be conducted from 102330 UTC to 141830 UTC Sep 07 in areas D21 and D22 bounded by 17° 13'S 149° 56' W, 16° 40' S 150° 05' W, 16° 33' S 149° 35' W and 17° 10' S 149° 35' W.

Navarea XIV warnings in force as at 140001UTC SEP 07.

010 026 044.

HYDROGRAPHIC REPORTS

Locality	Report	Ship/Authority	Observer
QLD- Halifax Bay	Sailing Directions	MV <i>Halifax Bay</i>	M Bresman
WA- Joseph Bonaparte Gulf to King Sound	Rocks Sailing Directions		B Geddes

AMENDMENTS TO ADMIRALTY LIST OF RADIO SIGNALS 2007

Edition No 19 dated 28 September 2007

VOLUME 1, PART 2, NP 281(2), 2007/08

Published BA Wk 28/07
(Last Amendments: Edition No 18 dated 14 September 2007)

MARITIME RADIO STATIONS

Page 120, CHINA, BEIHAI (XSK), contacts table.

Delete and replace by:

21°30'N 109°05'E	MMSI 004123400	DSC MF		Diagram page 121
 +86(0)779 3085596		 +86(0)779 3085593		
CALL: Beihai Radio				

Guangzhou CRS Ad36/07

Page 124, CHINA, DALIAN (XSZ), contacts table, row 2.

Delete row and replace by:

 +86(0)411 82623096	 +86(0)411 82626051
--	--

Guangzhou CRS Ad36/07

Page 124, CHINA, DANDONG, VHF table.

Delete and replace by:

	Ch 11 13 14 16 20	
HOURS OF WATCH: Ch 16: H24		
TRAFFIC LISTS: Ch 14 16 every H+20		

Guangzhou CRS Ad36/07

Page 125, CHINA, FUZHOU (XSL), contacts table, row 2.

Delete and replace by:

 +86(0)591 83269722 & 83688214	 +86(0)591 83819193
---	--

Guangzhou CRS Ad36/07

Page 125, CHINA FUZHOU (XSL), VHF table.

Delete and replace by:

	Ch 09 12 16	H24
	Ch 25 81	On request
TRAFFIC LISTS: Ch 12 16 every even H+10		

Guangzhou CRS Ad36/07

Page 125, CHINA, GUANGZHOU (XSQ) [2017], VHF table, row 3, Humen (Huang Shan Lu Mountain), column 3.

Delete 22°47'N 113°33'E and replace by:

22°41'N 113°33'E

Guangzhou CRS Ad36/07

Page 128, CHINA, GUANGZHOU (XSQ) [2017], WT (HF) table, row 2.

Delete row and replace by:

	12700	12 MHz (3 4 7)	H24
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Guangzhou CRS Ad36/07

Page 129, CHINA, NANJING (XSA2), RT (HF) table.

Delete and replace by:

	4426 (Ch 424)	4134	On request
	8764 (Ch 816)	8240	H24
	13077 (Ch 1201)	12230	

Guangzhou CRS Ad36/07

Page 129, CHINA, NANJING (XSA2), after RT (HF) table.

Insert Radiotelex table:

Radiotelex [004129100]

	4216.5 (Ch 414)	4179	0900-0000
	6321 (Ch 615)	6270	H24
	12610 (Ch 1262)	12507.5	0000-0900

Guangzhou CRS Ad36/07

Page 130, CHINA, NINGBO (XSN), contacts table, row 2.

Delete row and replace by:

 +86(0)574 87669332 & 27691385	 +86(0)574 87669399
---	--

Guangzhou CRS Ad36/07

Page 130, CHINA, NINGBO (XSN), VHF table, row 1.

Delete and replace by:

	Ch 16 27	H24
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Guangzhou CRS Ad36/07

Pages 132 & 133, CHINA, SHANGHAI (XSG) [2010], RADIOTELEX [2010], Procedure and Commands table.

Delete and replace by:

Procedure	
An automatic service is available	
Vessel makes contact	
XSG sends	"2010 XSG CN", automatically requests vessel's answerback and sends "GA+?"
Vessel sends	"DIRTLX" land subscriber telex number required "+" (Telex number is preceded by 0 and then by country code for international connection)
XSG sends	"MOM"
	Telex number requested
	Subscriber's answerback
	"MSG+?"
Vessel sends message	
Vessel exchanges answerbacks with called subscriber	
Vessel sends	"KKKK" to clear connection with land subscriber
XSG sends	"2010 XSG CN"
	Vessel's answerback
	Date and time
	Land subscriber telex number
	Duration of call
	"GA+?"
Vessel requests further subscriber telex connection by a command or sends "BRK+" to clear the radio connection	

(Continued on next page)

Commands

"BRK+"	for breaking the radio connection
"CEMAILnn+"	for sending an E-mail message in Chinese character to an Internet / E-mail subscriber (nn = an E-mail subscriber address, the sign "@" is replaced by the sign "I")
"CFAXxy+"	for sending a fax message in Chinese character to a facsimile subscriber (x = country code preceded by 00 / or city code preceded by 0, y = subscriber facsimile number)
"CHISREP+"	for sending a "Chinese Ship Report" message (according to the rule of law by the Chinese authorities)
"CMUFAXxy,xy...+"	for sending a fax message in Chinese character to multi-facsimile subscribers (x = country code preceded by 00 / or city code preceded by 0, y = subscriber facsimile number)
"DIRTLXxy+"	for direct connection to a telex subscriber (x = country code preceded by 0; y = subscriber telex number)
"EMAILnn+"	for sending an E-mail message in western language to an Internet / E-mail subscriber (nn = an E-mail subscriber address, the sign "@" is replaced by the sign "I")
"FAXxy+"	for sending a message in western language to a facsimile subscriber (x = country code preceded by 00 / or city code preceded by 0, y = subscriber facsimile number)
"FREQ+"	for indicating vessel's watchkeeping information
"HELP+(HLP+)"	for a list of commands available
"INF+"	for requesting an information list of which system can be provided
"KKKK"	for breaking the land line connection
"MED+"	for a radio medical connection
"MSG+"	for requesting traffic
"MULFAXxy,xy...+"	for sending a fax message in western language to multi-facsimile subscribers (x = country code preceded by 00 / or city code preceded by 0, y = subscriber facsimile number)
"MULTLXxy,xy...+"	for sending a store and forward message to multi-telex subscribers (x = country code preceded by 0; y = subscriber telex number)
"NAV+"	for requesting the number of the last Navigational Warnings broadcast and written in English and repeating the numbers of those warnings that are listed
"NAW+"	for requesting the number of the last Navigational Warnings broadcast and written in Chinese and repeating the numbers of those warnings that are listed
"OBS+"	for sending Ships' Weather Reports
"OPR+"	for operator assistance (Occ indicates the operator is occupied)
"QRC+"	for indicating a vessel's AAIC information
"RPT+"	for requesting an information list repeating Navigational Warnings, etc.
"STA+"	for requesting status of message delivery, available within 24 hours
"STS+"	for sending a ship-to-ship message
"SVC+"	for sending a service message
"TEST+(TST+)"	for requesting to send a test message (for checking equipment)
"TGM+"	for sending a radio-telegram
"TLXxy+"	for sending a store and forward message to a telex subscriber (x = country code preceded by 0; y = subscriber telex number)
"URG+"	for operator assistance in case of Distress and Safety traffic
"WX+"	for requesting the number of the last Weather Report broadcast and repeating the numbers of those reports that are listed

Guangzhou CRS Ad36/07

Page 133, CHINA, SHANTOU (XSP), contacts table, row 2.

Delete row and replace by:

 +86(0)754 8900123	 +86(0)754 8900157
---	---

Guangzhou CRS Ad36/07

Page 133, CHINA, TIANJIN (XSV), header and contacts table.

Delete and replace by:

TIANJIN (XSV) [2012]					
39°03'N 117°25'E		MMSI 004121100	DSC VHF MF	OBS	Diagram page 123
 +86(0)22 66706008 & 66706037			 +86(0)22 66706006		
CALL: Tianjin Radio					
NOTE: Station accepts Ships' Weather Reports addressed METEO BEIJING.					

Guangzhou CRS Ad36/07

Page 134, CHINA, TIANJIN (XSV) [2012], Radiotelex [2012] [004121100] table, row 4.

Delete row and replace by:

	16808 (Ch 1603)	16684-5	2200-1000
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Guangzhou CRS Ad36/07

Delete and replace by:

Procedure	
An automatic service is available	
Vessel makes contact	
XSV sends	"2012 XSV CN", automatically requests vessel's answerback and sends "GA+?"
Vessel sends	"DIRTLX" land subscriber telex number required "+" (Telex number is preceded by 0 and then by country code for international connection)
XSV sends	"MOM"
	Telex number requested
	Subscriber's answerback
	"MSG+?"
Vessel sends message	
Vessel exchanges answerbacks with called subscriber	
Vessel sends	"KKKK" to clear connection with land subscriber
XSV sends	"2012 XSV CN"
	Vessel's answerback
	Date and time
	Land subscriber telex number
	Duration of call
	"GA+?"
Vessel requests further subscriber telex connection by a command or sends "BRK+" to clear the radio connection	
Commands	
"BRK+"	for breaking the radio connection
"CEMAILnn+"	for sending an E-mail message in Chinese character to an Internet / E-mail subscriber (nn = an E-mail subscriber address, the sign "@" is replaced by the sign "/")
"CFAXxy+"	for sending a fax message in Chinese character to a facsimile subscriber (x = country code preceded by 00 / or city code preceded by 0, y = subscriber facsimile number)
"CHISREP+"	for sending a "Chinese Ship Report" message (according to the rule of law by the Chinese authorities)
"CMUFAXxy,xy...+"	for sending a fax message in Chinese character to multi-facsimile subscribers (x = country code preceded by 00 / or city code preceded by 0, y = subscriber facsimile number)
"DIRTLXxy+"	for direct connection to a telex subscriber (x = country code preceded by 0; y = subscriber telex number)
"EMAILnn+"	for sending an E-mail message in western language to an Internet / E-mail subscriber (nn = an E-mail subscriber address, the sign "@" is replaced by the sign "/")
"FAXxy+"	for sending a message in western language to a facsimile subscriber (x = country code preceded by 00 / or city code preceded by 0, y = subscriber facsimile number)
"FREQ+"	for indicating vessel's watchkeeping information
"HELP+(HLP+)"	for a list of commands available
"INF+"	for requesting an information list of which system can be provided
"KKKK"	for breaking the land line connection
"MED+"	for a radio medical connection
"MSG+"	for requesting traffic
"MULFAXxy,xy...+"	for sending a fax message in western language to multi-facsimile subscribers (x = country code preceded by 00 / or city code preceded by 0, y = subscriber facsimile number)
"MULTLXxy,xy...+"	for sending a store and forward message to multi-telex subscribers (x = country code preceded by 0; y = subscriber telex number)
"NAV+"	for requesting the number of the last Navigational Warnings broadcast and written in English and repeating the numbers of those warnings that are listed
"NAW+"	for requesting the number of the last Navigational Warnings broadcast and written in Chinese and repeating the numbers of those warnings that are listed
"OBS+"	for sending Ships' Weather Reports
"OPR+"	for operator assistance (Occ indicates the operator is occupied)
"QRC+"	for indicating a vessel's AISC information
"RPT+"	for requesting an information list repeating Navigational Warnings, etc.
"STA+"	for requesting status of message delivery, available within 24 hours
"STS+"	for sending a ship-to-ship message
"SVC+"	for sending a service message
"TEST+(TST+)"	for requesting to send a test message (for checking equipment)
"TGM+"	for sending a radio-telegram
"TLXxy+"	for sending a store and forward message to a telex subscriber (x = country code preceded by 0; y = subscriber telex number)
"URG+"	for operator assistance in case of Distress and Safety traffic
"WX+"	for requesting the number of the last Weather Report broadcast and repeating the numbers of those reports that are listed

Page 135, CHINA, YANTAI (XSU), contacts table, row 2.

Delete row and replace by:

 +86(0)535 6742594	 +86(0)535 6270443
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Guangzhou CRS Ad36/07

Page 136, CHINA, YANTAI (XSU), RT (HF) table, after row 3.

Add row:

	17332 (<i>Ch 1631</i>)	16450	On request
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Guangzhou CRS Ad36/07

Page 136, CHINA, ZHANJIANG (XSJ), contacts table, row 2.

Delete row and replace by:

 +86(0)759 2254223	 +86(0)759 2270034
---	---

Guangzhou CRS Ad36/07

VOLUME 2, NP 282, 2007/08

Published BA Wk 13/07

(Last Amendments: Edition No 18 dated 14 September 2007)

RADAR BEACONS**Page 114, ALASKA (USA) section.**

Insert:

Saint Paul Harbor Entrance Lt Racon 57°44'·32N 152°25'·80W **89150**
N

United States Notices 34/07 Ad36/07

Page 118, UNITED STATES (Pacific Coast) section.**90590 Gaviota Lt Buoy.**

Delete entry

National Oceanic & Atmospheric Administration United States Ad36/07

Page 116, UNITED STATES (Pacific Coast) section.

Insert:

Lewis and Clark Bridge (Centre) Racon 46°06'·30N 122°57'·69W **90320**
T

United States Coast Guard Ad37/07

VOLUME 5, NP 285, 2007/08

Published BA Wk 25/07

(Last Amendments: Edition No 17 dated 31 August 2007)

CHAPTER 15 NAVTEX**Page 257, NAVTEX COAST STATIONS, Iran, after Bāshehr [A].**

Insert new entry:

IRAN (Caspian Sea)

Fereydoon Kenar [G] 36°42'N 52°33'E 250 Operational

Iran Ministry of Roads and Transportation Ad36/07

Page 264, diagram, X2, NAVTEX - MSI BROADCASTS, Mediterranean and Black Sea (NAVAREA III). Caspian Sea.Insert in position 36°42'N, 52°33'E [G] **Fereydoon Kenar**

Insert approximate NAVTEX coverage, radius 250 n miles centered on position above.

Iran Ministry of Roads and Transportation Ad36/07

Page 282, STATIONS WITH OPERATIONAL NAVTEX FACILITIES, IRAN after Bøshehr [A]

Insert new entry:

IRAN (Caspian Sea)**Fereydoon Kenar [G]**

36°42'N 52°33'E

TELEPHONE: +98 112 5664504

Diagram X2

FAX: +98 112 5664503

NAVTEX [G]

TIME UT(GMT)	WEATHER BULLETINS	NAVIGATIONAL WARNINGS
0100		●
0500		●
0900	●	●
1300		●
1700	●	●
2100		●

Iran Ministry of Roads and Transportation Ad36/07

Page 298, 518 kHz NAVTEX BROADCAST SCHEDULES BY NAVAREA, NAVAREA III, before GREECE Irákleio [H].

Insert new entry:

III IRAN

Fereydoon Kenar

[G] 0100, 0500, 0900, 1300, 1700, 2100

Iran Ministry of Roads and Transportation Ad36/07

VOLUME 6, PART 4, NP 286(4), 2007/08

Published BA Wk 35/07

(Last amendments to Edition 18 dated 14 September 2007)

Page 323, NEW ZEALAND, BLUFF HARBOUR, Pilots and Port, PROCEDURE.

Delete section (7) and replace by:

(7) **Pilot boards** in position 46°39'·86S 168°19'·26E.

NZ Notice 17/170/07 Ad36/07

AMENDMENTS TO ADMIRALTY SAILING DIRECTIONS 2007

NP 9 Antarctic Pilot (2004 Edition)

King George Island - Tu Rocks — Beacon

146

Paragraph 4.70 *1* lines 3-5 *Delete*

Chilean Notice 7/71/07

[Ad 37/07]

Trinity Island - Farewell Rock — Beacon

164

Paragraph 5.45 *5* *Replace by:*

- 5* Farewell Rock (63°52'S 61°01'W) lies off the SW extremity of Spert Island, which in turn lies off the W extremity of Trinity Island.

Chilean Notice 7/71/07

[Ad 37/07]

Danco Coast - Cierva Point — Beacon

171

Paragraph 5.74 *1* lines 6-8 *Replace by:*

...lies 1 mile NW of Cierva Point.

Chilean Notice 7/71/07

[Ad 37/07]

NP 13 Australia Pilot Volume I (2005 Edition)

Queensland - Weipa — Prohibited area

92

After Paragraph 2.42 *2* *Insert:*

- 3* **Prohibited area.** A ship safety exclusion zone extends 50 m from Lorim Point Export Wharf (2.57), including the mooring dolphins and access jetty. Vessels not involved in port operations are prohibited from entering the zone.

Queensland Notice 546(P)/07

[Ad 37/07]

NP 14 Australia Pilot Volume II (2004 Edition)

New South Wales - Twofold Bay — Navigation marks

260

Paragraph 11.31 *1* line 11 *Replace by:*

...149°53'·6E). The NE extent of Whale Spit is marked by a light buoy (E cardinal).

261

Paragraph 11.32 *2* line 4 *Replace by:*

...a pair of leading light beacons (orange and white rectangles), standing 2½ cables S of...

NSW Maritime Notices SC 0710; 0711

[Ad 37/07]

NP 15 Australia Pilot Volume III (2005 Edition)

Queensland - Gladstone — Controlling depth

164

Paragraph 5.156 *1* line 3 *For* 10·4 m *Read* 10·6 m

Australian Notice SC 16/673/07

[Ad 37/07]

AUSTRALIA - SOUTH AND WEST COAST

2008

PORT No.	PORT NAME	MEAN TIME DIFFERENCE	TIDAL LEVELS (metres, ref. to LAT)						Pred Datum	Remarks
TZ -0930 (CST)										
61900	PORT LINCOLN		1.9	1.5	1.0	0.8	0.6	0.2	-0.1	
61550	PENNESHAW	+0125	1.8	1.4	0.9	0.8	0.6	0.2		
61561	CAPE JERVIS	+0205	1.7	1.3	0.9	0.8	0.6	0.2		
61730	STENHOUSE BAY	+0013	1.6	1.2	0.8	0.7	0.5	0.2		
61735	ALTHORPE I.	+0014	1.3	1.1	0.8	0.6	0.3	0.0		
61740	PONDALOWIE BAY	-0003	1.3	1.0	0.7	0.5	0.4	0.1		
61750	POINT TURTON	+0107	1.8	1.4	1.1	0.8	0.6	0.2		
61855	FRANKLIN HBR.	+0244	1.9	1.6	1.1	0.8	0.6	0.1		
61860	ARNO BAY	+0104	2.2	1.7	1.2	1.0	0.7	0.2		
61880	PORT NEILL	+0048	2.3	1.8	1.2	1.0	0.8	0.2		
61888	REEVESBY I.	+0020	1.8	1.4	0.9	0.7	0.5	0.1		
61920	TAYLORS LANDING	-0028	1.9	1.3	0.9	0.8	0.6	0.2		
61924	WHALERS BAY	+0043	1.8	1.4	1.0	0.8	0.6	0.2		
61930	WEDGE I.	-0010	1.4	1.1	0.7	0.6	0.4	0.0		
61937	SHELF EDGE (SA)	-0117	1.2	1.0	0.7	0.5	0.3	0.1		
62000	THEVENARD		2.3	1.6	1.0	1.0	1.0	0.4	0.0	o
61945	GREENLY I.	-0017	1.4	1.0	0.7	0.6	0.5	0.2		
61950	ELLISTON	-0004	1.5	1.2	0.8	0.7	0.5	0.1		
61960	PEARSON I.	-0016	2.0	1.4	1.0	0.9	0.8	0.4		
61980	BLANCHE PORT	+0012	1.8	1.5	0.9	0.8	0.7	0.1		s
62010	ST FRANCIS I.	-0018	2.3	1.6	1.1	1.0	1.0	0.5		
62020	PORT EYRE	-0029	2.0	1.5	1.0	0.9	0.8	0.3		
TZ -0800 (WST)										
62080	ESPERANCE		1.4	1.0	0.6	0.6	0.5	0.3	0.0	o
62040	EUCLA	+0008	1.9	1.4	1.0	0.8	0.6	0.3		o
62055	DAW I.	+0006	1.6	1.3	0.9	0.7	0.5	0.1		
62060	GOOSE I. BAY	+0112	1.3	1.0	0.7	0.6	0.4	0.1		
62100	MARY ANN HAVEN	-0011	1.4	1.1	0.8	0.7	0.6	0.4		o
62120	ALBANY		1.4	1.1	0.9	0.7	0.4	0.3	0.0	
62110	BREMER BAY	-0141	1.3	0.9	0.7	0.6	0.4	0.2		
62125	WILSON HEAD	-0022	1.2	0.9	0.8	0.6	0.3	0.2		
62132	NORNALUP INLET	-0048	0.6	0.4	0.3	0.2	0.1	0.1		
62140	WINDY HARBOUR	-0015	1.3	1.0	0.9	0.6	0.3	0.2		
62150	FLINDERS BAY	-0031	1.4	1.1	1.0	0.7	0.4	0.3		
62158	CAPE HAMELIN	-0100	1.1	1.0	0.9	0.6	0.3	0.2		
62170	COWARAMUP	-0126	1.2	0.9	0.8	0.6	0.3	0.2		

AUSTRALIA - SOUTH COAST

PORT No.	PORT NAME	Z0	H (amplitude) in m										
	Geographical position		LAT (m)	g (phase) in degrees									
	Time Zone related to UT			To Chart Datum (m)	M2	S2	K1	O1	Sa	Ssa	Mm	Msf	Mf
61591	GLENELG 34° 58 ' S, 138° 30 ' E -0930 UNK	1.30	0.456 102.8	0.455 171.3	0.247 49.3	0.168 19.6	0.132 107.8	0.031 323.7	0.021 238.9	0.023 215.4	0.029 358.4	0.025 118.7	
61600	ADELAIDE OUTER HBR. 34° 47 ' S, 138° 29 ' E -0930 NA	1.34	0.505 106.6	0.507 175.4	0.253 49.1	0.170 21.9	0.078 101.7	0.028 164.3	0.008 242.3	0.007 305.9	0.005 176.7	0.026 107.9	
61650	ARDROSSAN 34° 26 ' S, 137° 56 ' E -0930 0.0	1.57	0.625 105.2	0.634 173.7	0.266 46.6	0.183 19.3	0.041 70.8	0.048 41.4	0.039 353.8	0.046 47.4	0.012 207.3	0.032 99.9	
61670	PORT VINCENT 34° 46 ' S, 137° 51 ' E -0930 0.0	1.37	0.579 90.9	0.482 162.3	0.253 45.9	0.184 18.6			0.160 153.2	0.093 342.5			
61685	PORT GILES 35° 2 ' S, 137° 46 ' E -0930 NA	1.21	0.438 93.0	0.430 160.5	0.246 43.1	0.166 16.2	0.106 109.3	0.026 171.2	0.022 245.6	0.009 321.2	0.011 244.8	0.021 117.8	
61690	EDITHBURGH 35° 5 ' S, 137° 45 ' E -0930 0.0	1.14	0.416 90.7	0.409 160.4	0.257 44.9	0.162 15.3	0.104 90.5	0.052 176.3	0.053 322.3	0.044 136.4	0.038 96.4	0.020 130.2	
61730	STENHOUSE BAY 35° 17 ' S, 136° 57 ' E -0930 UNK	0.67	0.169 33.0	0.164 91.1	0.180 35.0	0.134 8.6	0.140 72.9	0.071 261.3	0.022 141.1	0.027 75.5	0.037 179.1	0.013 164.9	
61735	ALTHORPE I. 35° 22 ' S, 136° 52 ' E -0930 UNK	0.55	0.147 31.2	0.141 86.7	0.217 40.9	0.141 11.9			0.078 165.3	0.011 304.2			
61740	PONDALOWIE BAY 35° 15 ' S, 136° 49 ' E -0930 UNK	0.54	0.139 26.3	0.138 78.0	0.168 42.1	0.131 13.0	0.122 91.3	0.047 154.4				0.011 144.2	
61750	POINT TURTON 34° 56 ' S, 137° 21 ' E -0930 0.0	0.82	0.186 60.8	0.213 115.3	0.245 50.2	0.177 21.8	0.083 82.6	0.035 162.0	0.054 131.7	0.060 203.1	0.064 32.0	0.018 148.3	
61770	CAPE ELIZABETH 34° 15 ' S, 137° 20 ' E -0930 UNK	0.85	0.208 74.8	0.202 128.8	0.269 53.8	0.181 19.6	0.074 80.0	0.022 285.7	0.086 23.0		0.136 72.9	0.026 123.7	
61775	TIPARRA REEF 34° 4 ' S, 137° 24 ' E -0930 UNK	0.89	0.161 89.8	0.163 144.6	0.302 56.6	0.200 24.8	0.075 102.9	0.029 175.5	0.098 222.3	0.066 104.5			
61780	WALLAROO 33° 54 ' S, 137° 36 ' E -0930 NA	0.96	0.168 134.2	0.165 187.2	0.331 61.2	0.220 33.4	0.073 105.2	0.030 174.9	0.009 241.1	0.011 7.6	0.006 192.1	0.038 139.3	

AUSTRALIA - SOUTH COAST

PORT No.	HARMONIC CONSTITUENTS continued												REMARKS
	H (amplitude) in m g (phase) in degrees												
	Q1	P1	N2	NU2	K2	L2	2N2	MU2	T2	M4	MS4	2MS6	SOURCE
61591	0.038	0.066	0.022	0.011	0.128	0.024	0.023	0.075	0.029	0.003	0.004	0.004	NTF 2000
	5.4	44.0	178.6	78.7	173.6	137.3	162.1	215.7	172.3	109.0	83.7	155.1	
61600	0.040	0.070	0.029	0.007	0.144	0.030	0.026	0.082	0.034	0.005	0.001	0.004	STANDARD PORT See Part 1 for Predictions
	2.6	45.0	200.9	88.6	174.8	138.8	174.0	214.4	173.9	164.1	3.4	166.0	
61650	0.042	0.071	0.033	0.014	0.186	0.045	0.027	0.095	0.050	0.019	0.021		MHSA 1951
	3.7	39.6	208.2	107.7	174.3	139.6	156.9	211.8	171.6	175.6	194.9		
61670	0.020	0.070	0.034		0.136	0.033		0.053		0.008	0.011	0.005	MHSA 1953
	4.3	40.8	192.3		161.4	14.8		237.3		112.3	170.1	115.5	
61685	0.039	0.071	0.026	0.006	0.125	0.025	0.022	0.071	0.029	0.006	0.004	0.003	STANDARD PORT See Part 1 for Predictions
	358.3	38.8	185.3	75.4	159.8	122.3	159.3	203.7	162.5	78.4	81.1	156.1	
61690	0.034	0.064	0.016	0.012	0.115	0.025	0.013	0.056	0.026	0.006	0.005	0.004	MHSA 1947
	354.3	40.6	189.8	80.1	158.9	139.4	135.9	199.1	152.3	69.8	78.7	138.0	
61730	0.033	0.058	0.012	0.001	0.046	0.010	0.009	0.018	0.016	0.001	0.002	0.003	MHSA 1943
	354.8	29.7	119.2	18.4	90.4	54.5	79.1	150.4	85.6	45.0	262.9	45.0	
61735	0.037	0.065	0.019		0.041	0.006		0.016		0.005	0.006	0.004	HYDRO 1997
	1.3	36.0	121.8		86.2	52.9		154.6		55.4	301.4	97.5	
61740	0.028	0.052	0.010	0.001	0.041	0.008	0.007	0.010	0.011	0.001	0.005	0.001	NTF 1983
	358.5	36.5	91.1	84.3	79.9	49.6	73.9	125.7	78.2	251.0	275.6	156.6	
61750	0.034	0.083	0.014	0.003	0.067	0.013	0.009	0.007	0.015	0.002	0.002	0.003	MHSA 1955
	357.4	48.1	160.0	198.1	116.9	98.6	154.8	80.4	105.8	205.8	189.4	196.9	
61770	0.033	0.075	0.017	0.005	0.066	0.008	0.010	0.005	0.015	0.002	0.006	0.005	NTF 1978
	340.7	48.5	191.8	216.8	125.5	117.4	188.0	130.8	138.7	89.7	141.3	47.6	
61775	0.043	0.081	0.011		0.050	0.014		0.019		0.003	0.003	0.002	HYDRO 2005
	12.1	50.8	182.1		142.7	88.1		70.0		69.0	116.8	328.1	
61780	0.051	0.089	0.014	0.003	0.051	0.010	0.009	0.007	0.012	0.005	0.010	0.004	STANDARD PORT See Part 1 for Predictions
	12.4	55.7	217.1	205.3	185.3	158.8	205.0	346.0	177.5	110.3	156.3	61.3	