



**15 July 2011**

**Edition 14**

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

# AUSTRALIAN NOTICES TO MARINERS

**Notices 674 – 724**



Published fortnightly by the Australian Hydrographic Service

Commodore R. NAIRN RAN  
*Hydrographer of Australia*

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## IMPORTANT NOTICE

This edition of Notices to Mariners includes all significant information affecting AHS products which the AHS has become aware of since the last edition. All reasonable efforts have been made to ensure the accuracy and completeness of the information, including third party information, on which these updates are based. The AHS regards third parties from which it receives information as reliable, however the AHS cannot verify all such information and errors may therefore exist. The AHS does not accept liability for errors in third party information.

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## GENERAL INSTRUCTIONS

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.

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## REPORTING OF DANGERS

Mariners are particularly requested to notify the AUSTRALIAN HYDROGRAPHIC SERVICE, Locked Bag 8801 Wollongong, NSW 2500 (Fax 02-4223 6599, e-mail [Hydro.NTM@defence.gov.au](mailto: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](http://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](mailto:rccaus@amsa.gov.au)).

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## AUTHORISED USE

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Individual Notices may be copied for the purpose of inserting Notice substance on official charts and publications. Paper copies may be printed by chart agents and distributed to customers on a cost recovery basis. Participating chart agents are listed on the AHS website as providing a 'Paper Notices to Mariners' service ([www.hydro.gov.au/prodserv/distributors/distributors.htm](http://www.hydro.gov.au/prodserv/distributors/distributors.htm)). Copies of the notices may not be sold for profit without prior written agreement.

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**674 AUSTRALIA - Product**

Australian Hydrographic Service (AA542363, AA543451)

**New Chart**

| <i>Chart</i> | <i>Published</i> | <i>Title and description of amendments</i>                                                                                                                                                                                                                             | <i>Scale</i> | <i>Index Chart</i> | <i>Price</i> |
|--------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|--------------|
| Aus 37       | 15/7/2011        | Australia - North West Coast - Western Australia - Port Nelson and Prince Frederick Harbour<br>14° 43'.4 S - 15° 10'.0 S<br>124° 46'.8 E - 125° 30'.0 E<br><i>New chart providing improved coverage of the approaches to Port Nelson and Prince Frederick Harbour.</i> | 1:75 000     | Aus 5000           | \$35.00      |

**New Edition**

| <i>Chart</i> | <i>Published</i> | <i>Title and description of amendments</i>                                                                                                                                                                                                                                            | <i>Scale</i>                      | <i>Index Chart</i> | <i>Price</i> |
|--------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------|--------------|
| Aus 502      | 15/7/2011        | Papua New Guinea - South Coast - Cape Blackwood to Kerema Bay<br>7° 28'.0 S - 8° 21'.2 S<br>144° 28'.0 E - 145° 52'.4 E<br>Plan:<br>Kerema Bay<br>7° 56'.5 S - 7° 59'.5 S<br>145° 41'.5 E - 145° 49'.0 E<br><i>New edition including new surveys and general updating throughout.</i> | 1:150 000<br><br><br><br>1:37 500 | Aus 5000           | \$35.00      |

**New Edition to be published shortly**

| <i>Chart</i> | <i>Title</i>                                                                                             | <i>Scale</i>            | <i>Expected Publication Date</i> |
|--------------|----------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------|
| Aus 105      | Australia - West Coast - Western Australia - Wedge Island to Lancelin                                    | 1:50 000                | 29 July 2011                     |
| Aus 603      | Australian Antarctic Territory - George V Land - Approaches to Commonwealth Bay<br>Plan:<br>Boat Harbour | 1:25 000<br><br>1:5 000 | 29 July 2011                     |

**Admiralty publication**

| <i>NP No</i> | <i>Title</i>                                  | <i>Date</i> | <i>Remarks</i>                           |
|--------------|-----------------------------------------------|-------------|------------------------------------------|
| NP 35        | Indonesia Pilot Volume 3 (Fifth Edition 2011) | 14/7/2011   | The fourth edition is thereby cancelled. |

For further details refer to the AHS website at [www.hydro.gov.au](http://www.hydro.gov.au) for new edition and new chart stock arrival information.

When placing orders with a chart agent, mariners should advise whether their order pertains to the current edition or the new edition.

**675\* AUSTRALIA - NEW SOUTH WALES - Cape Howe to Port Stephens - Fish aggregating devices**

Department of Primary Industries (AA517634)

**Aus 197 [540/2011]**

|            |                                                                                       |             |              |
|------------|---------------------------------------------------------------------------------------|-------------|--------------|
| Substitute | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 30'.0 S | 151° 38'.6 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 35'.5 S | 151° 34'.6 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 47'.0 S | 151° 22'.7 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 59'.7 S | 151° 26'.7 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 59'.3 S | 151° 20'.9 E |

**Aus 806 [539/2011]**

|            |                                                                                       |             |              |
|------------|---------------------------------------------------------------------------------------|-------------|--------------|
| Substitute | special conical light buoy, <i>Fl.Y.4s (Dec-Apr)</i> , without topmark for light buoy | 36° 58'.8 S | 150° 14'.7 E |
|------------|---------------------------------------------------------------------------------------|-------------|--------------|

**675\* AUSTRALIA - NEW SOUTH WALES - Cape Howe to Port Stephens - Fish aggregating devices (continued)**
**Aus 807 [398/2011]**

|            |                                                                                       |             |              |
|------------|---------------------------------------------------------------------------------------|-------------|--------------|
| Substitute | special conical light buoy, <i>Fl.Y.4s (Dec-Apr)</i> , without topmark for light buoy | 34° 57'.7 S | 150° 58'.5 E |
|            | special conical light buoy, <i>Fl.Y.4s (Dec-Apr)</i> , without topmark for light buoy | 35° 50'.0 S | 150° 22'.6 E |

**Aus 808 [238/2011]**

|            |                                                                                       |             |              |
|------------|---------------------------------------------------------------------------------------|-------------|--------------|
| Substitute | special conical light buoy, <i>Fl.Y.4s (Dec-Apr)</i> , without topmark for light buoy | 34° 57'.8 S | 150° 58'.5 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 59'.3 S | 151° 20'.9 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 59'.7 S | 151° 26'.7 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 34° 07'.6 S | 151° 23'.3 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 34° 27'.3 S | 151° 04'.3 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 34° 41'.0 S | 150° 59'.5 E |

**Aus 809 [541/2011]**

|            |                                                                                       |             |              |
|------------|---------------------------------------------------------------------------------------|-------------|--------------|
| Substitute | special conical light buoy, <i>Fl.Y.4s (Dec-Apr)</i> , without topmark for light buoy | 32° 55'.3 S | 151° 59'.9 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 10'.0 S | 151° 49'.0 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 30'.0 S | 151° 38'.4 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 35'.5 S | 151° 34'.6 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 47'.0 S | 151° 22'.7 E |

**AX 0808E [238/2011]**

|            |                                                                                       |             |              |
|------------|---------------------------------------------------------------------------------------|-------------|--------------|
| Substitute | special conical light buoy, <i>Fl.Y.4s (Dec-Apr)</i> , without topmark for light buoy | 34° 57'.8 S | 150° 58'.5 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 59'.3 S | 151° 20'.9 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 59'.7 S | 151° 26'.7 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 34° 07'.6 S | 151° 23'.3 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 34° 27'.3 S | 151° 04'.3 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 34° 41'.0 S | 150° 59'.5 E |

**AX 0809E [541/2011]**

|            |                                                                                       |             |              |
|------------|---------------------------------------------------------------------------------------|-------------|--------------|
| Substitute | special conical light buoy, <i>Fl.Y.4s (Dec-Apr)</i> , without topmark for light buoy | 32° 55'.3 S | 151° 59'.9 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 10'.0 S | 151° 49'.0 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 30'.0 S | 151° 38'.4 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 35'.5 S | 151° 34'.6 E |
|            | special conical light buoy, <i>Fl.Y.4s (Sep-Jun)</i> , without topmark for light buoy | 33° 47'.0 S | 151° 22'.7 E |

**676\* AUSTRALIA - QUEENSLAND - Cape Moreton - Legend; chart limits**

Australian Hydrographic Service (AA540984)

**Aus 4643 (INT 643) [398/2011]**

|        |                                                                   |             |              |
|--------|-------------------------------------------------------------------|-------------|--------------|
| Insert | magenta limits, with legend <i>Aus 815</i> in SE corner, between  | 26° 20'.0 S | 153° 03'.5 E |
|        |                                                                   | 27° 05'.0 S | 153° 03'.5 E |
|        |                                                                   | 27° 05'.0 S | 154° 03'.0 E |
|        |                                                                   | 26° 20'.0 S | 154° 03'.0 E |
| Amend  | legend to <i>Adjoining Chart INT 635 (Aus 4635)</i> , in N border | 26° 20'.0 S | 156° 00'.0 E |

**677\* AUSTRALIA - QUEENSLAND - North Reef to Pine Peak Island - Legend**

Australian Hydrographic Service (AA540984)

**Aus 367 [632/2011]**

|        |                                                              |             |              |
|--------|--------------------------------------------------------------|-------------|--------------|
| Insert | magenta legend, <i>Adjoining Chart Aus 490</i> , in E border | 22° 45'.0 S | 152° 50'.2 E |
|--------|--------------------------------------------------------------|-------------|--------------|

**AX 0367E [632/2011]**

|        |                                                              |             |              |
|--------|--------------------------------------------------------------|-------------|--------------|
| Insert | magenta legend, <i>Adjoining Chart Aus 490</i> , in E border | 22° 45'.0 S | 152° 50'.2 E |
|--------|--------------------------------------------------------------|-------------|--------------|

**678\* AUSTRALIA - CORAL SEA - Saumarez Reefs to Frederick Reefs - ZOC diagram; chart note; legends**

Australian Hydrographic Service (AA318722)

**Aus 612 (plan, Frederick Reefs) [244/2011]**

|            |                                                  |             |              |
|------------|--------------------------------------------------|-------------|--------------|
| Substitute | accompanying ZOC diagram for reliability diagram | 20° 43'.0 S | 154° 30'.0 E |
|------------|--------------------------------------------------|-------------|--------------|

|       |                                                          |             |              |
|-------|----------------------------------------------------------|-------------|--------------|
| Amend | legend to <i>Inadequately Surveyed (see ZOC Diagram)</i> | 20° 57'.4 S | 154° 21'.0 E |
|-------|----------------------------------------------------------|-------------|--------------|

**Aus 612 (plan, Saumarez Reefs)**

|       |                                                          |             |              |
|-------|----------------------------------------------------------|-------------|--------------|
| Amend | legend to <i>Inadequately Surveyed (see ZOC Diagram)</i> | 21° 52'.4 S | 153° 35'.0 E |
|       | legend to <i>Inadequately Surveyed (see ZOC Diagram)</i> | 21° 47'.0 S | 153° 28'.0 E |
|       | legend to <i>Inadequately Surveyed (see ZOC Diagram)</i> | 21° 41'.0 S | 153° 44'.0 E |

|        |                             |             |              |
|--------|-----------------------------|-------------|--------------|
| Delete | note, INADEQUATELY SURVEYED | 21° 39'.0 S | 153° 24'.0 E |
|--------|-----------------------------|-------------|--------------|

**679\* AUSTRALIA - QUEENSLAND - Cape Flattery - Pilot boarding place**

Maritime Safety Queensland Notice 584/2011 (AA541942)

**Aus 831 [632/2011]**

|        |                                  |             |              |
|--------|----------------------------------|-------------|--------------|
| Insert | pilot boarding place, centred on | 14° 56'.8 S | 145° 23'.0 E |
|--------|----------------------------------|-------------|--------------|

|        |                          |             |              |
|--------|--------------------------|-------------|--------------|
| Delete | depth, 28 <sub>7</sub> m | 14° 56'.6 S | 145° 23'.2 E |
|--------|--------------------------|-------------|--------------|

**Aus 832 [632/2011]**

|        |                                  |             |              |
|--------|----------------------------------|-------------|--------------|
| Insert | pilot boarding place, centred on | 14° 56'.8 S | 145° 23'.0 E |
|--------|----------------------------------|-------------|--------------|

|        |                          |             |              |
|--------|--------------------------|-------------|--------------|
| Delete | depth, 28 <sub>7</sub> m | 14° 56'.6 S | 145° 23'.2 E |
|--------|--------------------------|-------------|--------------|

**680\* AUSTRALIA - QUEENSLAND - Adolphus Channel - Depths**  
 HMAS *Mermaid* (DHDB 1768182)

**Aus 292 [632/2011]**

|            |                                                            |              |               |
|------------|------------------------------------------------------------|--------------|---------------|
| Insert     | depth, 14 <sub>7</sub> m, and extend contour NE to enclose | 10° 45'.38 S | 142° 41'.51 E |
|            | depth, 14 <sub>2</sub> m                                   | 10° 44'.83 S | 142° 41'.04 E |
| Substitute | depth, 13 <sub>8</sub> m, for depth, 14 <sub>2</sub> m     | 10° 45'.4 S  | 142° 40'.8 E  |
| Delete     | depth, 15m                                                 | 10° 45'.4 S  | 142° 41'.3 E  |
|            | depth, 14 <sub>7</sub> m                                   | 10° 44'.9 S  | 142° 41'.0 E  |

**681\* AUSTRALIA - QUEENSLAND - Proudfoot Shoal - Rock**  
 LADS Flight (DHDB 1057828)

**Aus 296 [632/2011]**

|        |                                           |              |               |
|--------|-------------------------------------------|--------------|---------------|
| Insert | underwater rock enclosed by danger circle | 10° 31'.50 S | 141° 28'.25 E |
|        | depth, 5 <sub>3</sub> m                   | 10° 31'.62 S | 141° 28'.44 E |
| Delete | depth, 6 <sub>6</sub> m                   | 10° 31'.5 S  | 141° 28'.3 E  |

**682\* AUSTRALIA - WESTERN AUSTRALIA - Wyndham - Nav aids established**

Department of Transport WA Notices 87/2011, 88/2011, 91/2011 (AA542296, AA543007, AA543008, AA543375, AA543373, AA543374, AA543983, AA543984)

**Aus 32 (plan, Approaches to Wyndham Wharf) [594/2011]**

|        |                                                                  |               |                |
|--------|------------------------------------------------------------------|---------------|----------------|
| Insert | lit cylindrical mooring buoy, Q.Y                                | 15° 26'.277 S | 128° 05'.933 E |
|        | yellow cylindrical mooring buoy                                  | 15° 25'.442 S | 128° 06'.652 E |
|        | yellow cylindrical mooring buoy                                  | 15° 25'.585 S | 128° 06'.606 E |
|        | yellow cylindrical mooring buoy                                  | 15° 25'.754 S | 128° 06'.551 E |
|        | starboard lateral spar light buoy, <i>Fl.G.</i> 3s, with topmark | 15° 18'.266 S | 128° 05'.772 E |
|        | port lateral spar light buoy, <i>Fl.R.</i> 3s, with topmark      | 15° 18'.155 S | 128° 05'.900 E |
|        | anchoring prohibited area, with a 500m radius centred on         | 15° 26'.277 S | 128° 05'.933 E |
| Delete | depth, 14 <sub>3</sub> m                                         | 15° 26'.27 S  | 128° 05'.98 E  |

**683\* INDIAN OCEAN - Argo Abyssal Plain to Java Ridge - Depths**  
 Australian Hydrographic Service (DHDB 1785725)

**Aus 4060 (INT 60) [257/2011]**

|            |                                           |             |              |
|------------|-------------------------------------------|-------------|--------------|
| Insert     | depth, 2608m                              | 12° 14'.0 S | 111° 30'.0 E |
| Substitute | depth, 2357m, for depth, 2500m            | 14° 30'.0 S | 113° 31'.0 E |
|            | depth, 1585m, for depth, 1682m            | 8° 30'.0 S  | 106° 50'.0 E |
| Delete     | depth, 4524m, and enclosing danger circle | 13° 26'.0 S | 112° 12'.0 E |

**Aus 4070 (INT 70) [1239/2010]**

|            |                                           |             |              |
|------------|-------------------------------------------|-------------|--------------|
| Insert     | depth, 2608m                              | 12° 14'.0 S | 111° 30'.0 E |
| Substitute | depth, 2357m, for depth, 2500m            | 14° 30'.0 S | 113° 31'.0 E |
|            | depth, 1585m, for depth, 1682m            | 8° 30'.0 S  | 106° 50'.0 E |
| Delete     | depth, 4524m, and enclosing danger circle | 13° 26'.0 S | 112° 12'.0 E |

**683\* INDIAN OCEAN - Argo Abyssal Plain to Java Ridge – Depths** (*continued*)**Aus 4071 (INT 71)** [54/2009]

|            |                                           |             |              |
|------------|-------------------------------------------|-------------|--------------|
| Insert     | depth, 2608m                              | 12° 14'.0 S | 111° 30'.0 E |
| Substitute | depth, 2357m, for depth, 2500m            | 14° 30'.0 S | 113° 31'.0 E |
|            | depth, 1585m, for depth, 1682m            | 8° 30'.0 S  | 106° 50'.0 E |
| Delete     | depth, 4524m, and enclosing danger circle | 13° 26'.0 S | 112° 12'.0 E |

**Aus 4708 (INT 708)** [658/2010]

|            |                                               |             |              |
|------------|-----------------------------------------------|-------------|--------------|
| Insert     | depth, 2357m                                  | 14° 29'.8 S | 113° 30'.7 E |
|            | depth, 2969m, and extend contour N to enclose | 10° 39'.7 S | 109° 14'.8 E |
|            | depth, 1592m, and extend contour N to enclose | 8° 43'.3 S  | 107° 19'.8 E |
| Substitute | depth, 1585m, for depth, 1682m                | 8° 30'.0 S  | 106° 50'.0 E |
| Delete     | depth, 2500m                                  | 14° 35'.0 S | 113° 30'.0 E |
|            | depth, 4524m, and enclosing danger circle     | 13° 26'.0 S | 112° 12'.0 E |
|            | depth, 1957m                                  | 8° 55'.0 S  | 107° 20'.0 E |

**Aus 4723 (INT 723)** [510/2011]

|        |                                           |             |              |
|--------|-------------------------------------------|-------------|--------------|
| Insert | depth, 2357m                              | 14° 29'.8 S | 113° 30'.7 E |
|        | depth, 2969m, enclosed by contour         | 10° 39'.7 S | 109° 14'.8 E |
| Delete | depth, 2473m                              | 14° 35'.5 S | 113° 29'.0 E |
|        | depth, 4524m, and enclosing danger circle | 13° 26'.0 S | 112° 12'.0 E |
|        | depth, 3265m                              | 10° 41'.0 S | 109° 10'.0 E |

**AX 4708F** [658/2010]

|            |                                               |             |              |
|------------|-----------------------------------------------|-------------|--------------|
| Insert     | depth, 2357m                                  | 14° 29'.8 S | 113° 30'.7 E |
|            | depth, 2969m, and extend contour N to enclose | 10° 39'.7 S | 109° 14'.8 E |
|            | depth, 1592m, and extend contour N to enclose | 8° 43'.3 S  | 107° 19'.8 E |
| Substitute | depth, 1585m, for depth, 1682m                | 8° 30'.0 S  | 106° 50'.0 E |
| Delete     | depth, 2500m                                  | 14° 35'.0 S | 113° 30'.0 E |
|            | depth, 4524m, and enclosing danger circle     | 13° 26'.0 S | 112° 12'.0 E |
|            | depth, 1957m                                  | 8° 55'.0 S  | 107° 20'.0 E |

**AX 4723F** [510/2011]

|        |                                           |             |              |
|--------|-------------------------------------------|-------------|--------------|
| Insert | depth, 2357m                              | 14° 29'.8 S | 113° 30'.7 E |
|        | depth, 2969m, enclosed by contour         | 10° 39'.7 S | 109° 14'.8 E |
| Delete | depth, 2473m                              | 14° 35'.5 S | 113° 29'.0 E |
|        | depth, 4524m, and enclosing danger circle | 13° 26'.0 S | 112° 12'.0 E |
|        | depth, 3265m                              | 10° 41'.0 S | 109° 10'.0 E |

**684\* AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Light buoy established**

Department of Transport WA (AA542073 - AA542076)

**Aus 62** [596/2011]

|            |                                                               |              |               |
|------------|---------------------------------------------------------------|--------------|---------------|
| Substitute | special spar light buoy, Mo(U)Y.15s, without topmark for buoy | 20° 49'.06 S | 115° 32'.95 E |
|------------|---------------------------------------------------------------|--------------|---------------|

**685\* AUSTRALIA - WESTERN AUSTRALIA - Essex Rocks to Webb Reef - Wrecks; chart note; aeronautical beacon**  
Museum WA (AA533953, AA533950, AA543228)

**Aus 333** [350/2011]

|        |                                                                                                                                     |              |               |
|--------|-------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1m, enclosed by danger circle with legend, <i>Wk</i><br>historic wreck with magenta legend, <i>Historic Wk</i> (see<br>Note) | 31° 06'.09 S | 115° 20'.11 E |
|        |                                                                                                                                     | 30° 24'.16 S | 114° 59'.15 E |
| Delete | depth, 3m                                                                                                                           | 31° 06'.0 S  | 115° 20'.5 E  |

**Aus 334** [639/2011]

|        |                                                             |              |               |
|--------|-------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1m, enclosed by danger circle with legend, <i>Wk</i> | 31° 06'.09 S | 115° 20'.11 E |
| Delete | depth, 3m                                                   | 31° 06'.0 S  | 115° 20'.5 E  |

**Aus 753** [96/2011]

|        |                                                                                                                              |                            |                              |
|--------|------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------|
| Insert | #, with magenta legend <i>Historic Wk</i> (see Note)<br>historic wreck with magenta legend, <i>Historic Wk</i> (see<br>Note) | 30° 59'.99 S               | 115° 18'.99 E                |
|        |                                                                                                                              | 30° 24'.16 S               | 114° 59'.15 E                |
| Delete | depth, 2m<br>aero beacon                                                                                                     | 31° 00'.1 S<br>31° 01'.5 S | 115° 19'.1 E<br>115° 20'.4 E |

**Aus 754** [639/2011]

|        |                                                                                                                     |                              |                                |
|--------|---------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------|
| Insert | #, with magenta legend <i>Historic Wk</i> (see Note)<br>depth, 1m, enclosed by danger circle with legend, <i>Wk</i> | 30° 59'.99 S<br>31° 06'.09 S | 115° 18'.99 E<br>115° 20'.11 E |
| Delete | depth, 2m<br>depth, 64m                                                                                             | 31° 00'.1 S<br>31° 05'.8 S   | 115° 19'.1 E<br>115° 19'.9 E   |

**AX 0334E** [639/2011]

|        |                                                             |              |               |
|--------|-------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1m, enclosed by danger circle with legend, <i>Wk</i> | 31° 06'.09 S | 115° 20'.11 E |
| Delete | depth, 3m                                                   | 31° 06'.0 S  | 115° 20'.5 E  |

**AX 0754E** [639/2011]

|        |                                                                                                                     |                              |                                |
|--------|---------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------|
| Insert | #, with magenta legend <i>Historic Wk</i> (see Note)<br>depth, 1m, enclosed by danger circle with legend, <i>Wk</i> | 30° 59'.99 S<br>31° 06'.09 S | 115° 18'.99 E<br>115° 20'.11 E |
| Delete | depth, 2m<br>depth, 64m                                                                                             | 31° 00'.1 S<br>31° 05'.8 S   | 115° 19'.1 E<br>115° 19'.9 E   |

**686\* AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Swan River - Light beacon**

Department of Transport WA (AA533875, AA533876)

**Aus 112** [639/2011]

|            |                                                                        |              |               |
|------------|------------------------------------------------------------------------|--------------|---------------|
| Substitute | light beacon, <i>Fl.R.</i> 3s, with port lateral topmark for<br>beacon | 32° 00'.24 S | 115° 48'.55 E |
|------------|------------------------------------------------------------------------|--------------|---------------|

**AX 63112** [639/2011]

|            |                                                                        |              |               |
|------------|------------------------------------------------------------------------|--------------|---------------|
| Substitute | light beacon, <i>Fl.R.</i> 3s, with port lateral topmark for<br>beacon | 32° 00'.24 S | 115° 48'.55 E |
|------------|------------------------------------------------------------------------|--------------|---------------|

**687\* AUSTRALIA - WESTERN AUSTRALIA - Garden Island - Turbine; light buoys**

Former Notice - 439(T)/2011 is cancelled

Department of Transport WA Notice 58/2011 (AA528129, AA528131, AA542078)

**Aus 117 [640/2011]**

|        |                    |             |              |
|--------|--------------------|-------------|--------------|
| Insert | accompanying block | 32° 15'.5 S | 115° 38'.5 E |
|--------|--------------------|-------------|--------------|

**Aus 334 [685/2011]**

|        |                                                                                   |              |               |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1 <sub>2</sub> m, enclosed by danger circle with legend,<br><i>Turbine</i> | 32° 15'.06 S | 115° 39'.08 E |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|

|        |                          |             |              |
|--------|--------------------------|-------------|--------------|
| Delete | depth, 20 <sub>9</sub> m | 32° 15'.1 S | 115° 38'.6 E |
|--------|--------------------------|-------------|--------------|

**Aus 754 [685/2011]**

|        |                                                                                   |              |               |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1 <sub>2</sub> m, enclosed by danger circle with legend,<br><i>Turbine</i> | 32° 15'.06 S | 115° 39'.08 E |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|

**Aus 755 [1237/2010]**

|        |                                                                                   |              |               |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1 <sub>2</sub> m, enclosed by danger circle with legend,<br><i>Turbine</i> | 32° 15'.06 S | 115° 39'.08 E |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|

**AX 0334E [685/2011]**

|        |                                                                                   |              |               |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1 <sub>2</sub> m, enclosed by danger circle with legend,<br><i>Turbine</i> | 32° 15'.06 S | 115° 39'.08 E |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|

|        |                          |             |              |
|--------|--------------------------|-------------|--------------|
| Delete | depth, 20 <sub>9</sub> m | 32° 15'.1 S | 115° 38'.6 E |
|--------|--------------------------|-------------|--------------|

**AX 0754E [685/2011]**

|        |                                                                                   |              |               |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1 <sub>2</sub> m, enclosed by danger circle with legend,<br><i>Turbine</i> | 32° 15'.06 S | 115° 39'.08 E |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|

**AX 0755E [1237/2010]**

|        |                                                                                   |              |               |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1 <sub>2</sub> m, enclosed by danger circle with legend,<br><i>Turbine</i> | 32° 15'.06 S | 115° 39'.08 E |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|

**AX 66002 [639/2011]**

|        |                                                                                   |              |               |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|
| Insert | depth, 1 <sub>2</sub> m, enclosed by danger circle with legend,<br><i>Turbine</i> | 32° 15'.06 S | 115° 39'.08 E |
|--------|-----------------------------------------------------------------------------------|--------------|---------------|

**AX 70117 [640/2011]**

|        |                    |             |              |
|--------|--------------------|-------------|--------------|
| Insert | accompanying block | 32° 15'.5 S | 115° 38'.5 E |
|--------|--------------------|-------------|--------------|

**688\* AUSTRALIA - WESTERN AUSTRALIA - Isaacs Rock - Historic wreck**

Museum WA (AA541122)

**Aus 756 [548/2010]**

|      |                |              |               |
|------|----------------|--------------|---------------|
| Move | historic wreck | 34° 01'.9 S  | 114° 59'.5 E  |
|      | to             | 34° 02'.54 S | 114° 59'.97 E |

**689\* AUSTRALIA - WESTERN AUSTRALIA - Emu Point - Infrastructure; nav aids**

Former Notice - 764(T)/2008 is cancelled

Department of Transport WA (AA527183, AA527197, AA544361)

**Aus 110 [641/2011]**

|        |                    |             |              |
|--------|--------------------|-------------|--------------|
| Insert | accompanying block | 35° 00'.0 S | 117° 57'.0 E |
|--------|--------------------|-------------|--------------|

|        |                        |             |              |
|--------|------------------------|-------------|--------------|
| Delete | light sectors, between | 35° 00'.7 S | 117° 56'.9 E |
|        |                        | 35° 03'.4 S | 117° 57'.9 E |

**Aus110 (inset, Oyster Harbour)**

|        |                    |             |              |
|--------|--------------------|-------------|--------------|
| Insert | accompanying block | 35° 00'.0 S | 117° 57'.0 E |
|--------|--------------------|-------------|--------------|

**Aus 118 [1172/2010]**

|        |       |             |              |
|--------|-------|-------------|--------------|
| Delete | light | 35° 00'.0 S | 117° 56'.7 E |
|--------|-------|-------------|--------------|

**Aus 759 [1058/2009]**

|        |       |             |              |
|--------|-------|-------------|--------------|
| Delete | light | 35° 00'.0 S | 117° 56'.7 E |
|--------|-------|-------------|--------------|

**AX 0110E [641/2011]**

|        |                    |             |              |
|--------|--------------------|-------------|--------------|
| Insert | accompanying block | 35° 00'.0 S | 117° 57'.0 E |
|--------|--------------------|-------------|--------------|

|        |                        |             |              |
|--------|------------------------|-------------|--------------|
| Delete | light sectors, between | 35° 00'.7 S | 117° 56'.9 E |
|        |                        | 35° 03'.4 S | 117° 57'.9 E |

**AX 0110E (inset, Oyster Harbour)**

|        |                    |             |              |
|--------|--------------------|-------------|--------------|
| Insert | accompanying block | 35° 00'.0 S | 117° 57'.0 E |
|--------|--------------------|-------------|--------------|

**AX 0118E [1172/2010]**

|        |       |             |              |
|--------|-------|-------------|--------------|
| Delete | light | 35° 00'.0 S | 117° 56'.7 E |
|--------|-------|-------------|--------------|

**690\* AUSTRALIA - SOUTH AUSTRALIA - Tumby Bay - Light beacons**

Department for Transport, Energy and Infrastructure SA (AA541389 - AA541391)

**Aus 776 [356/2011]**

|      |              |              |               |
|------|--------------|--------------|---------------|
| Move | light beacon | 34° 24'.2 S  | 136° 09'.2 E  |
|      | to           | 34° 24'.31 S | 136° 09'.28 E |

**Aus 777 [359/2011]**

|        |                                                          |              |               |
|--------|----------------------------------------------------------|--------------|---------------|
| Insert | light beacon, <i>Fl.R.5s</i> , with port lateral topmark | 34° 24'.31 S | 136° 09'.28 E |
|--------|----------------------------------------------------------|--------------|---------------|

|        |                     |             |              |
|--------|---------------------|-------------|--------------|
| Delete | light beacon        | 34° 24'.2 S | 136° 09'.2 E |
|        | structure colour, R | 34° 23'.0 S | 136° 06'.7 E |

**AX 0776E [356/2011]**

|      |              |              |               |
|------|--------------|--------------|---------------|
| Move | light beacon | 34° 24'.2 S  | 136° 09'.2 E  |
|      | to           | 34° 24'.31 S | 136° 09'.28 E |

**691\* AUSTRALIA - SOUTH AUSTRALIA - Barker Inlet - Beacons established; light beacon altered**

Department for Transport, Energy and Infrastructure SA Notice 25/2011 (AA541380 - AA541382, AA541384, AA542900)

**Aus 130 [554/2011]**

|        |                                        |               |                |
|--------|----------------------------------------|---------------|----------------|
| Insert | beacon, with starboard lateral topmark | 34° 44'.092 S | 138° 28'.239 E |
|        | beacon, with starboard lateral topmark | 34° 44'.277 S | 138° 28'.693 E |

|       |                                |              |               |
|-------|--------------------------------|--------------|---------------|
| Amend | light beacon to <i>Fl.G.4s</i> | 34° 47'.18 S | 138° 32'.57 E |
|-------|--------------------------------|--------------|---------------|

**692\* AUSTRALIA - VICTORIA - Port Phillip - Nav aids**  
Department of Primary Industries (AA543277, AA543278)

**Aus 143 [603/2011]**

|       |                                   |             |              |
|-------|-----------------------------------|-------------|--------------|
| Amend | light beacon to <i>Fl(4)Y.12s</i> | 38° 06'.0 S | 144° 40'.7 E |
|       | light beacon to <i>Fl(4)Y.12s</i> | 38° 06'.0 S | 144° 42'.2 E |
|       | light beacon to <i>Fl(4)Y.12s</i> | 38° 06'.6 S | 144° 42'.2 E |
|       | light beacon to <i>Fl(4)Y.12s</i> | 38° 06'.6 S | 144° 40'.7 E |
|       | light buoy to <i>Fl(4)Y.10s</i>   | 38° 03'.0 S | 144° 39'.3 E |
|       | light buoy to <i>Fl(4)Y.10s</i>   | 38° 03'.5 S | 144° 39'.3 E |
|       | light buoy to <i>Fl(4)Y.10s</i>   | 38° 03'.5 S | 144° 38'.0 E |
|       | light buoy to <i>Fl(4)Y.12s</i>   | 38° 14'.3 S | 144° 48'.9 E |
|       | light buoy to <i>Fl(4)Y.12s</i>   | 38° 15'.0 S | 144° 49'.2 E |
|       | light buoy to <i>Fl(4)Y.12s</i>   | 38° 14'.6 S | 144° 50'.3 E |
|       | light buoy to <i>Fl(4)Y.12s</i>   | 38° 13'.9 S | 144° 50'.0 E |

**Aus 157 [197/2011]**

|       |                                      |              |               |
|-------|--------------------------------------|--------------|---------------|
| Amend | light buoy to <i>Fl(4)Y.12s</i>      | 38° 05'.45 S | 144° 27'.30 E |
|       | light buoy to <i>Fl(4)Y.12s</i>      | 38° 05'.45 S | 144° 27'.64 E |
|       | light buoy to <i>Fl(4)Y.12s</i>      | 38° 05'.72 S | 144° 27'.64 E |
|       | light buoy to <i>Fl(4)Y.12s</i>      | 38° 05'.72 S | 144° 27'.30 E |
|       | light beacon to <i>Fl(4)Y.10s 3M</i> | 38° 07'.68 S | 144° 33'.43 E |
|       | light beacon to <i>Fl(4)Y.10s 3M</i> | 38° 07'.20 S | 144° 34'.29 E |
|       | light beacon to <i>Fl(4)Y.10s 3M</i> | 38° 06'.74 S | 144° 35'.14 E |
|       | light beacon to <i>Fl(4)Y.10s 3M</i> | 38° 07'.20 S | 144° 35'.55 E |
|       | light beacon to <i>Fl(4)Y.10s 3M</i> | 38° 07'.70 S | 144° 34'.69 E |
|       | light beacon to <i>Fl(4)Y.10s 3M</i> | 38° 08'.14 S | 144° 33'.83 E |
|       | light beacon to <i>Fl(4)Y.12s 3M</i> | 38° 06'.00 S | 144° 40'.69 E |
|       | light beacon to <i>Fl(4)Y.12s 3M</i> | 38° 06'.00 S | 144° 41'.44 E |
|       | light beacon to <i>Fl(4)Y.12s 3M</i> | 38° 06'.03 S | 144° 42'.18 E |
|       | light beacon to <i>Fl(4)Y.12s 3M</i> | 38° 06'.64 S | 144° 42'.17 E |
|       | light beacon to <i>Fl(4)Y.12s 3M</i> | 38° 06'.64 S | 144° 41'.42 E |
|       | light beacon to <i>Fl(4)Y.12s 3M</i> | 38° 06'.62 S | 144° 40'.66 E |
|       | light buoy to <i>Fl(4)Y.10s</i>      | 38° 03'.00 S | 144° 38'.64 E |
|       | light buoy to <i>Fl(4)Y.10s</i>      | 38° 03'.00 S | 144° 39'.30 E |
|       | light buoy to <i>Fl(4)Y.10s</i>      | 38° 03'.54 S | 144° 39'.30 E |
|       | light buoy to <i>Fl(4)Y.10s</i>      | 38° 03'.54 S | 144° 38'.64 E |
|       | light buoy to <i>Fl(4)Y.10s</i>      | 38° 03'.54 S | 144° 37'.96 E |

**Aus 158 [603/2011]**

|       |                                 |              |               |
|-------|---------------------------------|--------------|---------------|
| Amend | light buoy to <i>Fl(4)Y.12s</i> | 38° 18'.18 S | 144° 58'.32 E |
|       | light buoy to <i>Fl(4)Y.12s</i> | 38° 18'.18 S | 144° 58'.63 E |
|       | light buoy to <i>Fl(4)Y.12s</i> | 38° 18'.43 S | 144° 58'.63 E |
|       | light buoy to <i>Fl(4)Y.12s</i> | 38° 18'.43 S | 144° 58'.32 E |
|       | light buoy to <i>Fl(4)Y.12s</i> | 38° 14'.25 S | 144° 48'.86 E |
|       | light buoy to <i>Fl(4)Y.12s</i> | 38° 14'.97 S | 144° 49'.22 E |
|       | light buoy to <i>Fl(4)Y.12s</i> | 38° 14'.62 S | 144° 50'.33 E |
|       | light buoy to <i>Fl(4)Y.12s</i> | 38° 13'.90 S | 144° 49'.98 E |

**693\* AUSTRALIA - VICTORIA - Port Phillip - Balcombe Bay - Depths westwards**  
Port of Melbourne (DHDB 1772338)

**Aus 143 [692/2011]**

|        |                    |             |              |
|--------|--------------------|-------------|--------------|
| Insert | accompanying block | 38° 13'.0 S | 144° 58'.0 E |
|--------|--------------------|-------------|--------------|

**Aus 158 [692/2011]**

|        |                    |             |              |
|--------|--------------------|-------------|--------------|
| Insert | accompanying block | 38° 15'.0 S | 144° 57'.0 E |
|--------|--------------------|-------------|--------------|

**694\* AUSTRALIA - VICTORIA - Western Port - Flinders Bight - Nav aids**

Department of Primary Industries (AA543277, AA543278)

**Aus 150 [959/2010]**

|       |                                   |             |              |
|-------|-----------------------------------|-------------|--------------|
| Amend | light buoy to <i>Fl(4)Y.12s</i>   | 38° 28'.3 S | 145° 02'.6 E |
|       | light buoy to <i>Fl(4)Y.12s</i>   | 38° 27'.8 S | 145° 03'.5 E |
|       | light buoy to <i>Fl(4)Y.12s</i>   | 38° 27'.2 S | 145° 04'.4 E |
|       | light beacon to <i>Fl(4)Y.12s</i> | 38° 26'.6 S | 145° 03'.6 E |
|       | light beacon to <i>Fl(4)Y.12s</i> | 38° 27'.1 S | 145° 02'.9 E |
|       | light beacon to <i>Fl(4)Y.12s</i> | 38° 28'.0 S | 145° 02'.1 E |

**Aus 151 [555/2011]**

|       |                                      |              |               |
|-------|--------------------------------------|--------------|---------------|
| Amend | light buoy to <i>Fl(4)Y.12s</i>      | 38° 28'.29 S | 145° 02'.59 E |
|       | light buoy to <i>Fl(4)Y.12s</i>      | 38° 27'.75 S | 145° 03'.51 E |
|       | light buoy to <i>Fl(4)Y.12s</i>      | 38° 27'.21 S | 145° 04'.44 E |
|       | light beacon to <i>Fl(4)Y.12s 3M</i> | 38° 26'.55 S | 145° 03'.62 E |
|       | light beacon to <i>Fl(4)Y.12s 3M</i> | 38° 27'.11 S | 145° 02'.86 E |
|       | light beacon to <i>Fl(4)Y.12s 3M</i> | 38° 28'.03 S | 145° 02'.13 E |

**695\* AUSTRALIA - VICTORIA - Port Welshpool - Lewis Channel - Light beacon established**

Victorian Notice 86/2011 (AA541601, AA543329, AA543330)

**Aus 182 (plan, Port Welshpool) [604/2010]**

|        |                                                                    |               |                |
|--------|--------------------------------------------------------------------|---------------|----------------|
| Insert | starboard lateral light beacon, <i>Fl.G.3s No21</i> , with topmark | 38° 42'.349 S | 146° 27'.174 E |
| Delete | light buoy                                                         | 38° 42'.35 S  | 146° 27'.18 E  |

**Aus 182 (plan, Lewis Channel)**

|            |                                                                              |              |               |
|------------|------------------------------------------------------------------------------|--------------|---------------|
| Substitute | starboard lateral light beacon, <i>Fl.G.3s</i> , with topmark for light buoy | 38° 42'.35 S | 146° 27'.18 E |
|------------|------------------------------------------------------------------------------|--------------|---------------|

**696(T)/2011 AUSTRALIA - NEW SOUTH WALES - North Avoca - Scuttling completed; light buoy removed**

Former Notice - 311(P)/2011 is cancelled

Capability by Design (AA523809), NSW Maritime Notice HB1005 (AA523954)

Cancel this notice on receipt.

**Chart formerly affected – Aus 197 – Aus 204 – Aus 809 – AX 0809E**

**697(T)/2011 AUSTRALIA - NEW SOUTH WALES - Newcastle - Depth information**

Former Notice - 643(T)/2011 is cancelled

Newcastle Port Corporation (AA544080)

Available depths as at 12 July 2011:

| <i>Berth</i>                                        | <i>Metres</i>                      |
|-----------------------------------------------------|------------------------------------|
| Western Basin 3                                     | 11.6                               |
| Western Basin 4                                     | 11.6                               |
| Eastern Basin 1                                     | 11.6                               |
| Eastern Basin 2 North of Ch 450                     | 11.6                               |
| Eastern Basin 2 South of Ch 450                     | 11.0                               |
| Channel Berth                                       | 8.3                                |
| Dyke 1                                              | 12.5                               |
| Dyke 2                                              | 12.8                               |
| Dyke 4                                              | 16.5                               |
| Dyke 5                                              | 16.5                               |
| Dyke 6                                              | 6.3                                |
| Mayfield 4 Ch 27 to 266                             | 12.6                               |
| BHP Wharf 6 to Ch 1050                              | 7.9                                |
| Kooragang 2                                         | 11.4                               |
| Kooragang 2 North Dolphin Ch 182 to 228             | 11.1                               |
| Kooragang 2 South Dolphin Ch -92 to 00              | 10.9                               |
| Kooragang 3                                         | 13.0                               |
| * Kooragang 4                                       | 16.2                               |
| Kooragang 5                                         | 16.5                               |
| Kooragang 6                                         | 16.5                               |
| Kooragang 8                                         | 15.4                               |
| Kooragang 9                                         | 15.4                               |
| Kooragang Ship Receiving KSR                        | 7.5                                |
| Throsby 1                                           | 8.4                                |
| Carrington Wharf                                    | To be sounded as and when required |
| Foreshore Park Berth                                | 5.9                                |
| Elgo Wharf                                          | To be sounded as and when required |
| <i>Channels</i>                                     |                                    |
| Entrance Approach                                   | 17.7                               |
| Entrance Channel (18.0m)                            | 18.0                               |
| Entrance Channel (17.4m)                            | 17.4                               |
| Entrance Channel (16.8m)                            | 16.8                               |
| Entrance Channel (16.2m)                            | 16.2                               |
| Entrance Channel to Horseshoe                       | 15.2                               |
| * Horseshoe                                         | 14.9                               |
| * Steelworks Channel to Swinging Basin              | 14.9                               |
| Swinging Basin                                      | 15.0                               |
| Swinging Basin to Mayfield 4                        | 12.8                               |
| Hunter River South Arm (Kooragang 6 to Kooragang 9) | 15.0                               |
| Basin Cutting                                       | 12.8                               |
| Basin Area to Eastern & Western Basin Berths        | 12.3                               |
| Basin Area to 1 Throsby                             | 10.0                               |
| Stockton Crossing                                   | 3.6                                |

\* Indicates revised entry.

**Chart temporarily affected – Aus 207 – Aus 208**

**698(T)/2011 AUSTRALIA - QUEENSLAND - Point Danger to Point Lookout - Scientific instruments***Former Notice - 605(T)/2011 is cancelled*

Maritime Safety Queensland Notice 600(T)/2011 (AA543503)

Special light buoys, *F(5)Y.20s*, exist in positions:

28° 10'.85 S 153° 34'.56 E

27° 57'.95 S 153° 26'.57 E

27° 29'.29 S 153° 37'.93 E.

Mariners are not to use these buoys as moorings.

**Chart temporarily affected – Aus 230 – Aus 813 – Aus 814****699(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Depth information***Former Notice - 644(T)/2011 is cancelled*

Brisbane Port Corporation (AA544004)

Available depths and under keel clearances (UKC) at 12 July 2011:

| <i>Berth</i>                         | <i>Metres</i>        | <i>Remarks</i> |
|--------------------------------------|----------------------|----------------|
| * Fisherman Islands No10             | 12.8                 |                |
| Fisherman Islands No9                | 13.2                 |                |
| * Fisherman Islands No8              | 13.9                 |                |
| Fisherman Islands No7                | 13.8                 |                |
| * Fisherman Islands No6              | 13.4                 |                |
| * Fisherman Islands No5              | 14.1                 |                |
| * Fisherman Islands No4              | 13.6                 |                |
| * Fisherman Islands No3              | 13.7                 |                |
| * Fisherman Islands No2              | 14.0                 |                |
| Fisherman Islands No1                | 14.1                 |                |
| Fisherman Islands Grain and Woodchip | 13.0                 |                |
| Caltex Fisherman Islands             | 14.3                 |                |
| Fisherman Islands Coal               | 13.5                 |                |
| * Fisherman Islands General Purpose  | 11.4                 |                |
| BP Luggage Point                     | 14.3                 |                |
| Caltex Products                      | 10.0                 |                |
| Cement Australia Co Wharf            | 9.8                  |                |
| BP Products                          | 10.2                 |                |
| * Shell                              | 11.0                 |                |
| * Pacific Terminals                  | 11.0                 |                |
| Incitec North                        | 9.9                  |                |
| Incitec South                        | 10.5                 |                |
| Pinkenba 1                           | 10.4                 |                |
| Pinkenba 2                           | 10.4                 |                |
| Riverside Marina                     | -                    |                |
| * Sugar Terminal                     | 9.8                  |                |
| Cairncross Fitting Out Wharf         | 8.2                  |                |
| Cairncross Breasting Wharf           | 6.7                  |                |
| Brisbane Naval Wharf                 | -                    |                |
| Maritime No3                         | 5.6 (not maintained) |                |
| Maritime No2                         | 8.3                  |                |
| Maritime No1                         | 9.0                  |                |
| Hamilton No4                         | 10.1                 |                |
| Hamilton No1                         | 8.5                  |                |
| Brisbane Cruise Ship Terminal        | 9.4                  |                |

**699(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Depth information (continued)**

|                                       | <i>Metres</i> | <i>UKC/Remarks</i>                 |
|---------------------------------------|---------------|------------------------------------|
| <i>Moreton Bay :</i>                  |               |                                    |
| North East Channel                    | 5.5           | 1.5                                |
| North West Channel                    | 15.0          | 2.3 (280m width)                   |
| North West Bypass Channel             | 9.2           | 1.6                                |
| Spitfire Channel                      | 15.0          | 1.5 (600m width)                   |
| East Knoll Bypass Channel             | 6.9           | 1.4                                |
| East Channel                          | 15.0          | 1.5 (300m width from western side) |
| Main Channel (M8 - M9)                | 10.0          | 1.8                                |
| Entrance Channel (E5 - EBCN)          | 14.7          | 1.5                                |
| <i>Brisbane River :</i>               |               |                                    |
| * Entrance Beacons and Bar Cutting    | 13.6          | 1.46                               |
| * Fisherman Islands Swing Basin       | 13.5          | 1.3                                |
| Pelican Banks Reach to Hamilton Reach | 8.9           | 0.6 / 0.9 (draft/tide)             |
| * Cement Australia Swing Basin        | 8.8           | 0.6 / 0.9 (draft/tide)             |
| * Pinkenba Swing Basin                | 9.0           | 0.6 / 0.9 (draft/tide)             |
| Hamilton Swing Basin                  | 8.6           | 0.6 / 0.9 (draft/tide)             |
| * Indicates new or revised entry.     |               |                                    |

**Chart temporarily affected – Aus 235 – Aus 236 – Aus 237 – Aus 238 – Aus 814 – Aus 815**

**700(T)/2011 AUSTRALIA - QUEENSLAND - Mooloolaba - Dredging operations**

*Date - Until 31 August 2011*

*Maritime Safety Queensland Notice 607(T)/2011 (AA543901)*

The dredge *Navua* and support vessel *Stigma I* are conducting dredging operations at the entrance to Mooloolah River (26° 40'.75 S 153° 07'.90 E).

A floating pipeline which runs along the western breakwall is connected to the dredge.

The dredge will display appropriate lights and shapes and will monitor VHF Ch 12, Ch 16 and Ch 73.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 235**

**701(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone - Tide Island - Wreck salvaged**

*Former Notice - 612(T)/2011 is cancelled*

*Maritime Safety Queensland (AA544342)*

Cancel this notice on receipt.

**Chart formerly affected – Aus 245**

**702(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone - Hamilton Point to Friend Point - Light buoys**

Former Notice - 654(T)/2011 is cancelled

Maritime Safety Queensland Notice 609(T)/2011 (AA543879)

Light buoys exist in the following positions:

| <i>Number</i> | <i>Position</i>            | <i>Characteristic</i> |
|---------------|----------------------------|-----------------------|
| PIC1          | 23° 47'.28 S 151° 12'.25 E | Fl.G.2.5s             |
| PIC2          | 23° 47'.59 S 151° 12'.41 E | Fl.R.2.5s             |
| PIC3          | 23° 47'.16 S 151° 12'.11 E | Fl.G.2.5s             |
| PIC4          | 23° 47'.37 S 151° 12'.18 E | Fl.R.2.5s             |
| PIC5          | 23° 46'.95 S 151° 11'.98 E | Fl.G.2.5s             |
| PIC6          | 23° 47'.11 S 151° 11'.85 E | Fl.R.2.5s             |
| PIC7          | 23° 46'.85 S 151° 11'.79 E | Fl.Y.2.5s             |
| PIC8          | 23° 46'.86 S 151° 11'.53 E | Fl.R.2.5s             |
| PIC9          | 23° 46'.76 S 151° 11'.64 E | Fl.G.2.5s             |
| PIC10         | 23° 46'.61 S 151° 11'.25 E | Fl.R.2.5s             |
| PIC11         | 23° 46'.52 S 151° 11'.42 E | Fl.G.2.5s             |
| PIC12         | 23° 46'.28 S 151° 11'.06 E | Fl.R.2.5s             |
| PIC13         | 23° 46'.21 S 151° 11'.19 E | Fl.G.2.5s             |
| PIC14         | 23° 46'.05 S 151° 10'.91 E | Fl.R.2.5s             |
| PIC15         | 23° 45'.95 S 151° 11'.11 E | Fl.G.2.5s             |
| PIC16         | 23° 45'.73 S 151° 10'.69 E | Fl.R.2.5s             |
| PIC17         | 23° 45'.68 S 151° 10'.91 E | Fl.G.2.5s             |
| PIC18         | 23° 45'.44 S 151° 10'.50 E | Fl.R.2.5s             |
| PIC19         | 23° 45'.40 S 151° 10'.65 E | Fl.Y.2.5s             |
| PIC20         | 23° 45'.09 S 151° 10'.29 E | Fl.Y.2.5s             |
| PIC21         | 23° 45'.18 S 151° 10'.49 E | Fl.G.2.5s             |

**Chart temporarily affected – Aus 245****703(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone - North Passage Island - Obstructions**

Date - Until 23 August 2011

Maritime Safety Queensland Notice 617(T)/2011 (AA544160)

Obstructions, marked by light buoys Q.Y, exist between positions 23° 46'.25 S 151° 11'.34 E and 23° 46'.12 S 151° 11'.11 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 245****704(T)/2011 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Live firing completed**

Former Notice - 471(T)/2011 is cancelled

Maritime Safety Queensland Notice 270(T)/2011 (AA525800)

Cancel this notice on receipt.

**Chart formerly affected – Aus 248 – Aus 367 – Aus 820 – Aus 822 – AX 0367E – AX 0820E – AX 0822E****705(T)/2011 AUSTRALIA - QUEENSLAND - Hay Point - Harbour works**

Date - Until 15 August 2011

Maritime Safety Queensland Notice 619(T)/2011 (AA54122)

Jack-up barges *SEP Fuji* and *SEP Desley Anne* and support vessels *Torres Star*, *D10* and *Black Panther* are conducting remediation works at Hay Point Services Berth No 1 (21° 15'.79 S 149° 18'.76 E).

Vessels will monitor VHF Ch 14 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 249 – Aus 250 – AX 0249E**

15 July 2011

**706(T)/2011 AUSTRALIA - QUEENSLAND - Hay Point - Drilling operations***Date - Until 29 July 2011*

Maritime Safety Queensland Notice 611(T)/2011 (AA543910)

Drilling operations are in progress at DBCT berths 1 (21° 15'.01 S 149° 18'.36 E) and 2 (21° 15'.27 S 149° 18'.52 E).

The vessel *Abyss Dive* is onsite and will monitor VHF Ch 14 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 249 – Aus 250**

**707(T)/2011 AUSTRALIA - QUEENSLAND - Townsville - Ross River - Scientific instruments***Date - Until 12 August 2011*

Maritime Safety Queensland Notice 602(T)/2011 (AA543512)

Isolated danger light buoys, *F(2)10s*, exist in positions 19° 15'.29 S 146° 51'.64 E and 19° 15'.67 S 146° 50'.61 E.

**Chart temporarily affected – Aus 256 – Aus 257**

**708(T)/2011 AUSTRALIA - QUEENSLAND - Rollingstone Creek - Light buoy re-established***Former Notice - 319(T)/2011 is cancelled*

Maritime Safety Queensland Notice 624/2011 (AA544100)

Cancel this notice on receipt.

**Chart formerly affected – Aus 827**

**709(P)/2011 PAPUA NEW GUINEA - Eastern Fields - Reef delineation***Date - On or about 15 July 2011*

LADS Flight (AA543779)

Mariners are advised that a survey being undertaken within the Eastern Fields region (10° 05'.0 S 145° 35'.0 E) indicates that the dangers are not in their charted positions. The whole reef system is out of position by up to 1000m in a non-uniform direction.

**Chart which will be affected – Aus 377 – Aus 379 – AX 60377**

**710(T)/2011 PAPUA NEW GUINEA - Port Moresby to Kerema Bay - Seismic survey completed***Former Notice - 322(T)/2011 is cancelled*

National Maritime Safety Authority PNG Notice 6/2011 (AA512484)

Cancel this notice on receipt.

**Chart formerly affected – Aus 377 – Aus 379 – Aus 505 – Aus 621 – AX 60377**

**711(T)/2011 AUSTRALIA - NORTHERN TERRITORY - Darwin - Frances Bay - Wreck**

Darwin Port Corporation Notice 45/2011 (AA544025)

A wreck, marked by white and yellow floats, exists in position 12° 28'.16 S 130° 51'.39 E.

A 50m exclusion zone exists around the wreck.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 24 – Aus 26 – Aus 28 – AX 72026**

**712(T)/2011 AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm - Mooring buoy***Date - Until 16 December 2011*

Darwin Port Corporation Notice 44(T)/2011 (AA543959, AA544255)

A lit yellow mooring buoy, *Fl.Y.2-5s*, exists in the position 12° 29'.75 S 130° 53'.93 E.**Chart temporarily affected – Aus 26 – Aus 28 – AX 72026****713(T)/2011 AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm - Mooring buoys***Date - Until 31 August 2011*

Darwin Port Corporation Notice 42(T)/2011 (AA543959, AA544255)

Lit yellow mooring buoys, *Fl.1-5s*, exist in the following positions:

12° 29'.36 S 130° 54'.03 E

12° 29'.41 S 130° 54'.06 E

12° 29'.47 S 130° 54'.08 E

12° 29'.52 S 130° 54'.13 E.

**Chart temporarily affected – Aus 26 – Aus 28 – AX 72026****714(T)/2011 AUSTRALIA - TIMOR SEA - Sahul Bank - Oilfield infrastructure removal completed***Former Notice - 618(T)/2011 is cancelled*

PTTEP Australasia (AA537752, AA537753)

Cancel this notice on receipt.

**Chart formerly affected – Aus 314****715(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Tanner Island - Light relit***Former Notice - 664(T)/2011 is cancelled*

Australian Maritime Safety Authority (AA543539)

Cancel this notice on receipt.

**Chart formerly affected – Aus 40 – Aus 323 – Aus 732 – Aus 733****716(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - James Price Point - Survey operations***Date - Until 1 November 2011*

Department of Transport Notice 90/2011 (AA543556)

Jack-up barge *Aran 120* and support vessels *Fantasea Ammari*, *Wauri* and *Sea Wanderer* are conducting drilling operations in the area bounded by the following positions:

17°29'.74 S 122°08'.46 E

17°29'.23 S 122°04'.94 E

17°33'.39 S 122°06'.14 E

17°33'.40 S 122°08'.70 E.

Mariners should not pass within 100m of the barge.

Vessels associated with the operations will display appropriate lights and shapes and support vessels can be contacted on VHF Ch 12 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 324**

**717(P)/2011 AUSTRALIA - WESTERN AUSTRALIA - Varanus Island - Chart error***Date - On or about 12 August 2011*

Australian Hydrographic Service (AA543913)

Users of Seafarer Viewer are advised that chart Aus 62 has a positional error in the southern portion of the chart, with the worst error at position 20° 50'.0 S 115° 35'.0 E with a difference of -0.024'/-0.042'. The chart file will be rectified in the August update.

**Chart which will be affected – Aus 62****718(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Pipeline infrastructure***Date - Until 10 December 2011*

Chevron Australia Pty Ltd (AA544352)

Works associated with pipeline infrastructure installation are in progress. An exclusion zone exists within an area bounded by the following positions (WGS84 datum):

20° 41'.40 S 115° 23'.71 E

20° 41'.79 S 115° 24'.68 E

20° 40'.55 S 115° 24'.08 E

20° 41'.00 S 115° 25'.03 E.

MV *Carlisle* is onsite and will display appropriate lights and shapes and will monitor VHF Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 327 – Aus 328 – Aus 742****719(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Onslow - Scientific instrument recovered***Former Notice - 437(T)/2011 is cancelled*

Department of Transport WA (AA543617)

Cancel this notice on receipt.

**Chart formerly affected – Aus 64****720(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Bunbury - Scientific instrument***Date - Until 16 August 2011*

Wave Solutions (AA543552 - AA543554, AA543544, AA544000)

A scientific instrument, marked by a special spherical buoy, exists in position 33° 13'.30 S 115° 35'.89 E.

**Chart temporarily affected – Aus 115****721(T)/2011 AUSTRALIA - SOUTH AUSTRALIA - Point Riley - Scientific instrument***Date - Until 20 August 2011*

South Australian Research and Development Institute (AA543564)

A subsurface scientific instrument exists in position 35° 51'.13 S 137° 28'.56 E.

**Chart temporarily affected – Aus 777 – Aus 778**

**722(T)/2011 AUSTRALIA - SOUTH AUSTRALIA - Great Sandy Point to Ochre Point - Scientific instruments**

Date - Until 19 August 2011

Department of Transport, Energy and Infrastructure SA Notice 24/2011 (AA544143)

Scientific instruments marked spherical pink and white buoys exist as follows:

| <i>Duration</i>           | <i>Position</i>                                    | <i>Remarks</i>           |
|---------------------------|----------------------------------------------------|--------------------------|
| 11 to 29 July 2011        | 3M offshore between 34° 59'.0 S and 35° 12'.0 S    | 61 instruments deployed  |
| 18 July to 5 August 2011  | 3M offshore between 34° 48'.0 S and 34° 59'.5 S    | 61 instruments deployed  |
|                           | 4.5-12.5M offshore in a transect at 34° 49'.0 S    | 4 instruments deployed   |
| 25 July to 19 August 2011 | <6M offshore between 34° 35'.0 S and 34° 50'.0 S   | 61 instruments deployed  |
|                           | 4-15M offshore between 34° 31'.5 S and 34° 46'.0 S | 17 instruments deployed. |

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 125 – Aus 130 – Aus 137 – Aus 138 – Aus 781****723(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - Great Ship Channel - Shoaling**

Victorian Notice 89(T)/2011 (AA543561)

Shoaling, with a least depth of 16.7m, exists in position 38° 18'.04 S 144° 37'.69 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 144 – Aus 158****724(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - Sorrento - Harbour works**

Date - Until 28 October 2011

Victorian Notice 65(T)/2011 (AA543562)

Harbour works are in progress in position 38° 19'.98 S 144° 44'.44 E.

During this period the jetty will be closed to vessels.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 143 – Aus 158**

## HYDROGRAPHIC REPORTS

| <i>Locality</i>                              | <i>Report</i>            | <i>Ship/Authority</i> | <i>Observer</i> |
|----------------------------------------------|--------------------------|-----------------------|-----------------|
| WA-<br>Cape Londonderry<br><br>Parmelia Bank | Rock<br><br>Light beacon | HMAS <i>Farncomb</i>  | A Campbell      |

**NAVIGATION WARNINGS**

*The following radio messages have been received during the period to 15 July 2011. 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**

188 Spencer Gulf DW1 buoy in position 34° 04'·00 S 136° 59'·38 E off station.  
 189 Drill rig *Maersk Discoverer* in position 19° 13'·92 S 114° 25'·56 E. 2·5M clearance requested.  
 190 Two lit mooring buoys within 1·5M of position 20° 12'·2 S 114° 47'·9 E.  
 191 Cancelled.  
 192 Drill rig *Atwood Osprey* in position 20° 31'·19 S 114° 49'·43 E. 2·5M clearance requested.  
 193 Cancelled.  
 194 Cancelled.  
 195 Cancelled.

**NAVAREA X WARNINGS**

012 Cancelled.  
 013 Cancelled.  
 014 Cancelled.

**Navigational warnings in force as at 150001UTC JUL 11.****Auscoast**

**2011** 149 154 166 169 171 176 179 183 185 186 187 188 189 190 192

**Navarea X**

**2011** 006

**Summary of mobile drilling rigs as at 150001UTC JUL 11.**

| <i>Name</i>       | <i>Position</i>            |
|-------------------|----------------------------|
| Ocean America     | 13° 12'·58 S 122° 37'·20 E |
| Stena Clyde       | 19° 18'·60 S 116° 33'·70 E |
| Ocean Patriot     | 11° 57'·33 S 124° 36'·30 E |
| Ensco 109         | 20° 04'·42 S 115° 17'·83 E |
| Atwood Eagle      | 20° 14'·16 S 115° 01'·73 E |
| Maersk Discoverer | 19° 13'·92 S 114° 25'·56 E |
| Atwood Osprey     | 20° 31'·19 S 114° 49'·43 E |
| Nan Hai 6         | 21° 26'·00 S 114° 02'·00 E |
| Transocean Legend | 20° 28'·79 S 113° 54'·35 E |

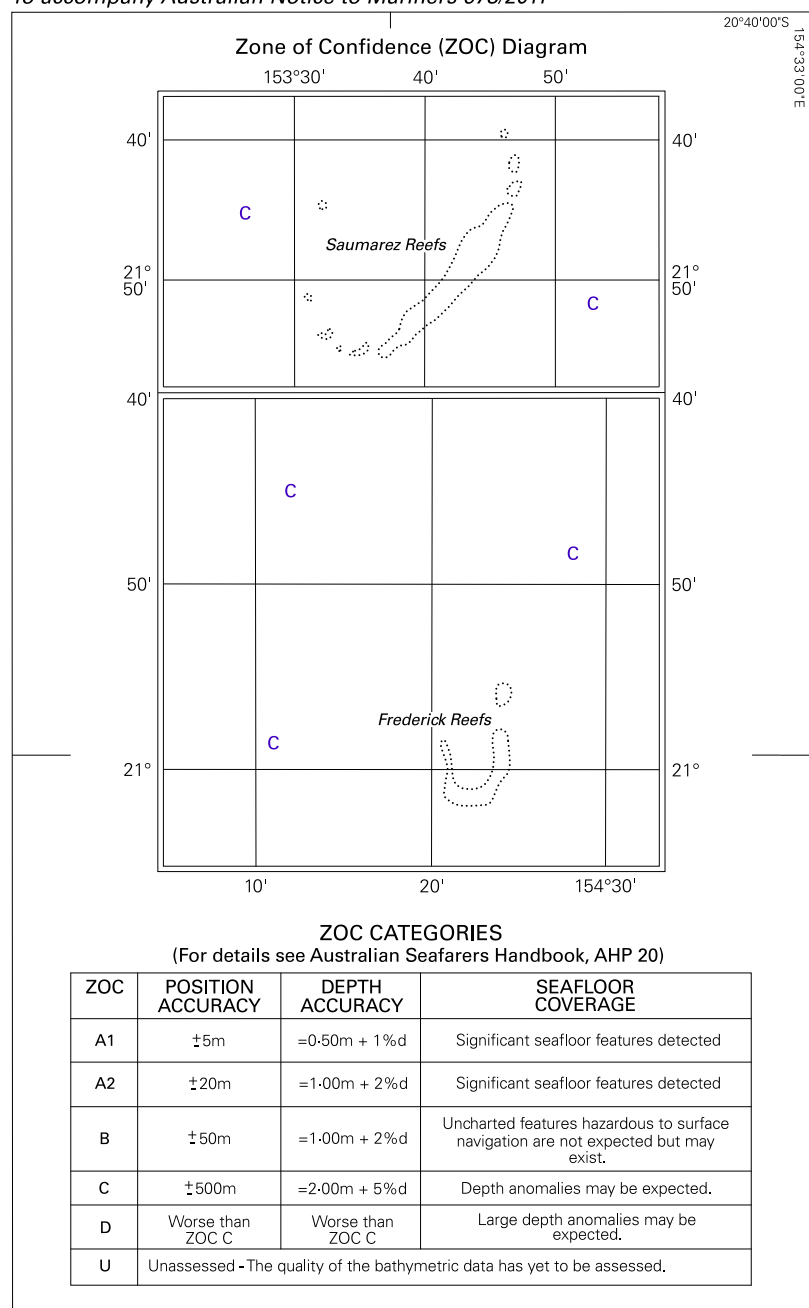
**NAVAREA XIV WARNINGS**

067 Cancelled.  
 068 Cancelled.  
 069 Cancelled.  
 070 Cancelled.

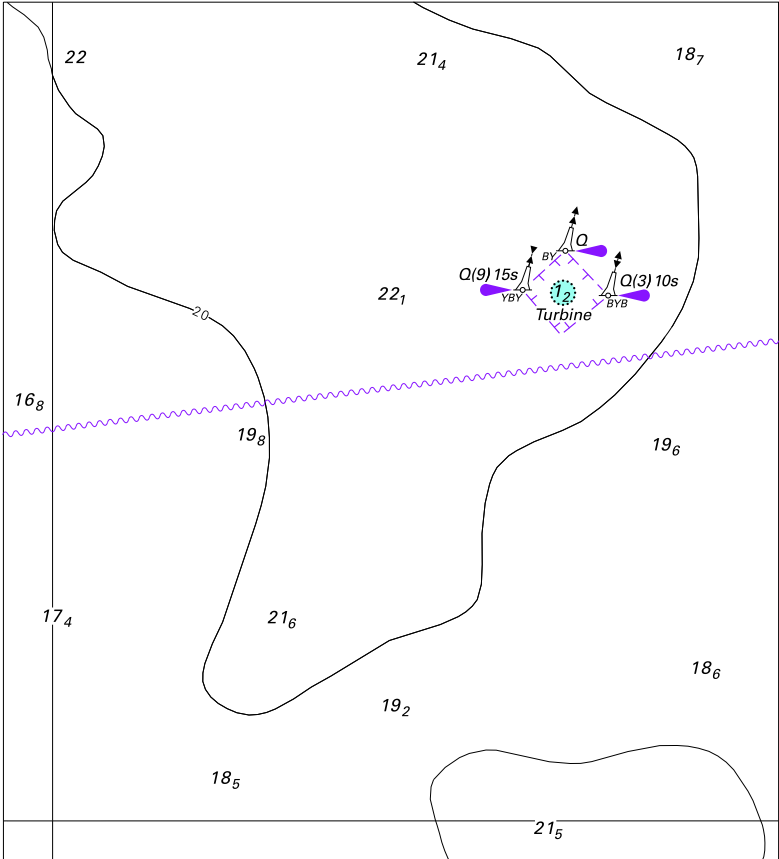
**Navarea XIV warnings in force as at 150001UTC JUL 11.**

**2011** 066

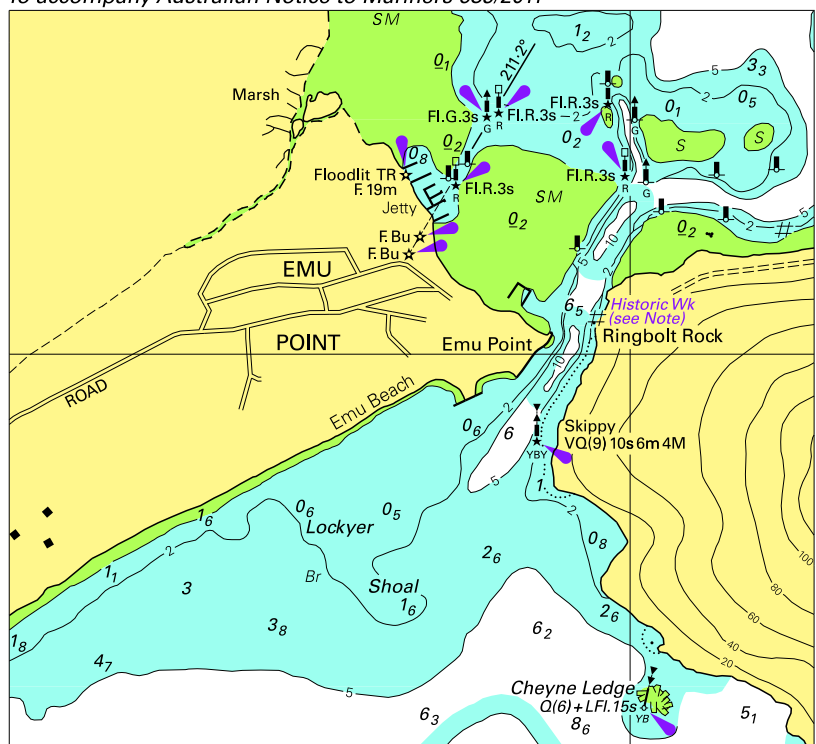
To accompany Australian Notice to Mariners 678/2011



To accompany Australian Notice to Mariners 687/2011

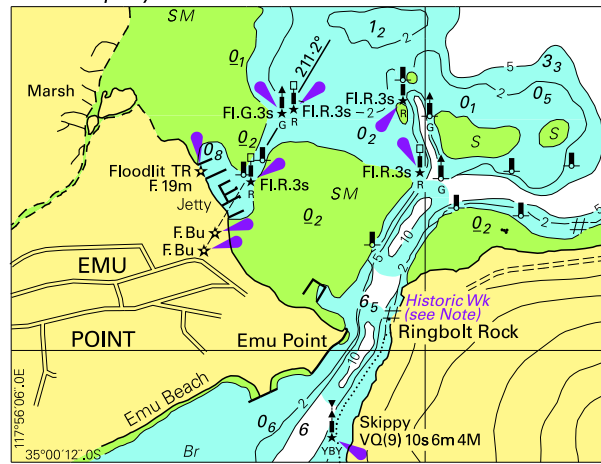


To accompany Australian Notice to Mariners 689/2011



Block for chart Aus 110 © Commonwealth of Australia 2011 (97.2 x 106.4 mm)

To accompany Australian Notice to Mariners 689/2011

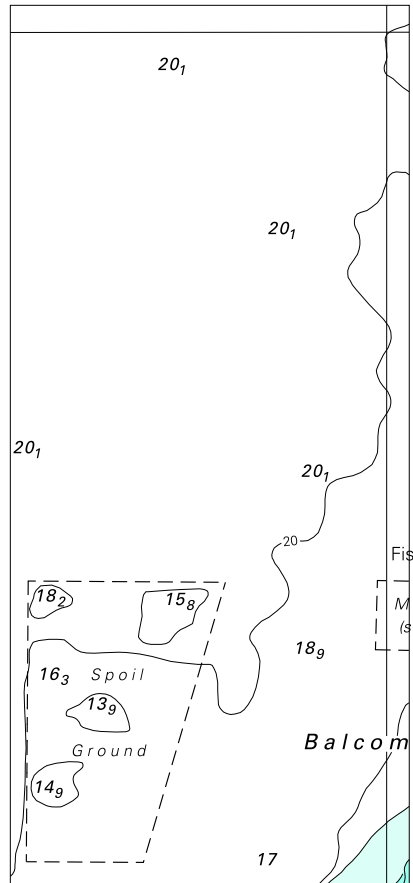


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Block for chart Aus 110 Plan

(60.3x79.1mm)

To accompany Australian Notice to Mariners 693/2011

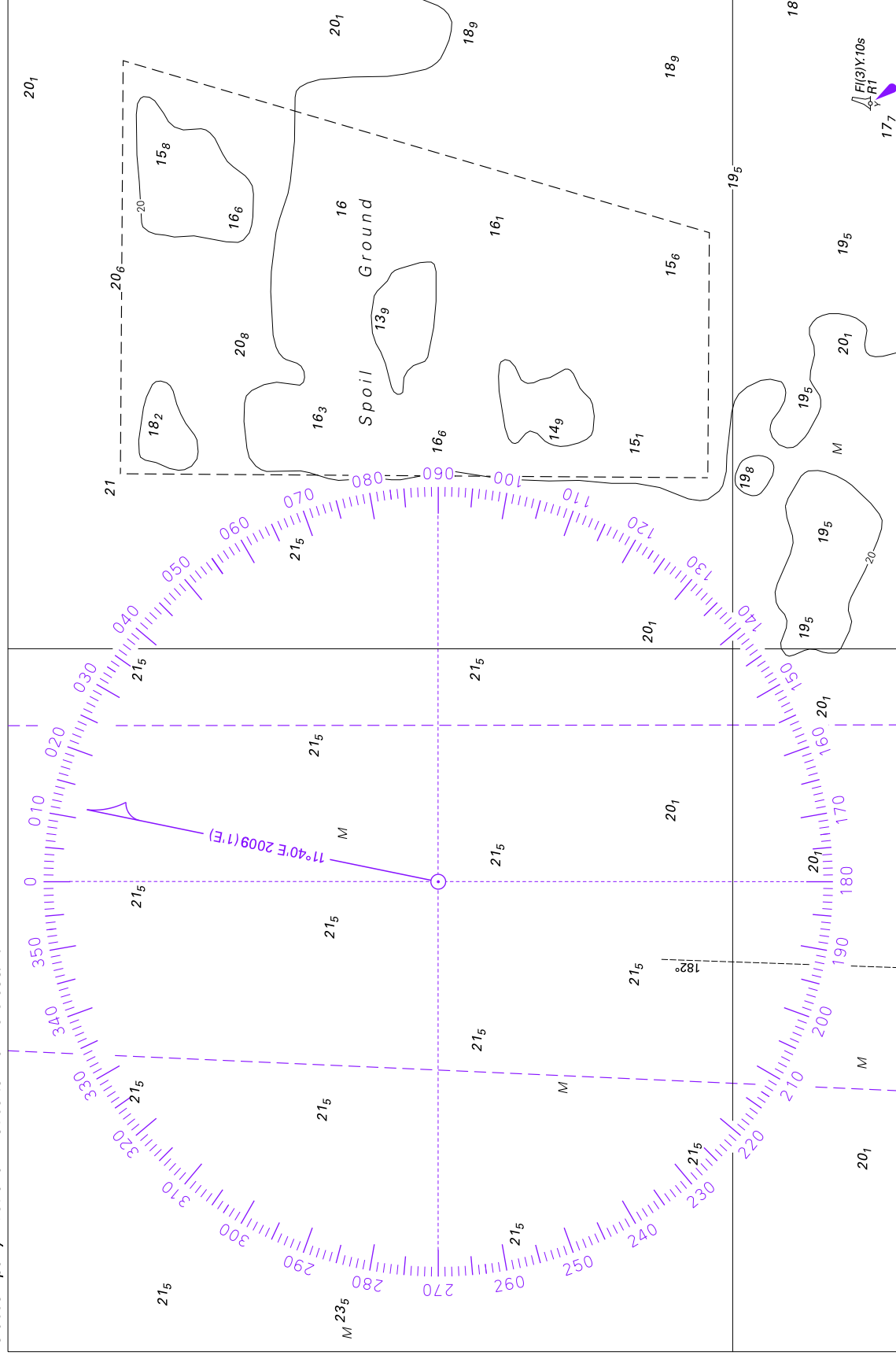


Block for Aus143

(52-8x116-2mm)

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To accompany Australian Notice to Mariners 693/2011



Block for Aus158

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(227.5 x 149.8mm)