

**TEMPORARY AND PRELIMINARY NOTICES**  
**In force on 2 December 2016**

**NEW SOUTH WALES**

**43(T)/2015 AUSTRALIA - NEW SOUTH WALES - Clarence River - Harwood - Obstructions**

Port of Clarence River (Yamba) 002(T)/2015

Underwater obstructions exists in the vicinity of 29° 25'.52 S 153° 16'.06 E.

**Chart temporarily affected - Aus 222**

**680(T)/2015 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Dredging operations; light withdrawn**

*Former Notice* - 627(T)/2015 is cancelled

Port Kembla Port Corporation Notice 2/2015, 3/2105

Dredging operations are in progress at 103 berth (34° 27'.17 S 150° 53'.76 E).

Special purpose buoys, Q.Y, exist in the following positions:

34° 27'.36 S 150° 53'.63 E

34° 27'.82 S 150° 53'.79 E

34° 27'.90 S 150° 54'.58 E

34° 28'.38 S 150° 54'.68 E

34° 28'.27 S 150° 54'.50 E

Spoil will be deposited in an area to the west of No4 Jetty, enclosed by a silt curtain marked by special light buoys, Q.Y.

The rear lead, *F.Bu* (34° 26'.92 S 150° 53'.70 E) has been temporarily withdrawn.

**Chart temporarily affected - Aus 194 - Aus 195**

**939(T)/2015 AUSTRALIA - NEW SOUTH WALES - Hawkesbury River - Mullet Creek - Light buoy**

*Former Notice* - 779(T)/2014 is cancelled

Hornsby Shire Council

A special cylindrical light buoy, *Fl.Y.5s*, exists in position 33° 31'.65 S 151° 14'.16 E.

**Chart temporarily affected - Aus 204 - Aus 217 - AX 00215T**

**1113(T)/2015 AUSTRALIA - NEW SOUTH WALES - Jervis Bay - Captains Point - Lights unlit**

HMAS *Warramunga*

The light, *Oc.WR.5s No1* (35° 06'.66 S 150° 41'.65 E), is unlit.

The light, *Fl.WR.5s No2* (35° 08'.01 S 150° 43'.01 E), is unlit.

**Chart temporarily affected - Aus 193 - AX 00193P - AX 00193T - AXA 0193T**

**50(T)/2016 AUSTRALIA - NEW SOUTH WALES - Cabbage Tree Bay - Scientific instruments**

Sydney Institute of Marine Science

Subsurface scientific instruments exist in positions 33° 48'.03 S 151° 18'.03 E and 33° 47'.92 S 151° 17'.61 E.

**Chart temporarily affected - Aus 197 - Aus 200 - Aus 201 - AX 00200T - AX 00201T**

**52(T)/2016 AUSTRALIA - NEW SOUTH WALES - Cape Baily to Ben Buckler - Scientific instruments**

Sydney Institute of Marine Science

Subsurface scientific instruments exist as follows:

| <i>Position</i>            | <i>Metres below surface</i> |
|----------------------------|-----------------------------|
| 33° 53'.74 S 151° 17'.30 E | 20                          |
| 33° 53'.98 S 151° 17'.71 E | 40                          |
| 33° 54'.23 S 151° 18'.14 E | 57                          |
| 33° 54'.49 S 151° 18'.55 E | 61                          |
| 33° 54'.76 S 151° 19'.01 E | 61                          |

|                            |                |
|----------------------------|----------------|
| 33° 55'.02 S 151° 19'.45 E | 61             |
| 33° 55'.28 S 151° 19'.88 E | 68             |
| 33° 55'.53 S 151° 20'.31 E | 67             |
| 33° 55'.80 S 151° 20'.74 E | 77             |
| 33° 56'.06 S 151° 21'.18 E | 77             |
| 33° 56'.33 S 151° 21'.61 E | 79             |
| 33° 56'.60 S 151° 22'.08 E | 84             |
| 33° 56'.86 S 151° 22'.51 E | 87             |
| 33° 57'.13 S 151° 22'.95 E | 97             |
| 33° 57'.39 S 151° 23'.39 E | 118            |
| 33° 57'.93 S 151° 24'.26 E | On the seabed  |
| 34° 00'.22 S 151° 27'.84 E | On the seabed  |
| 34° 00'.50 S 151° 28'.28 E | On the seabed  |
| 34° 00'.76 S 151° 28'.70 E | On the seabed  |
| 34° 01'.04 S 151° 29'.15 E | On the seabed  |
| 34° 01'.31 S 151° 29'.57 E | On the seabed  |
| 34° 01'.63 S 151° 30'.04 E | On the seabed. |

**Chart temporarily affected - Aus 197 - Aus 200 - Aus 808 - Aus 809 - AX 00200T - AX 00808S - AX 00809S**

**56(T)/2016 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Western Channel - Scientific instruments**  
Port Authority of New South Wales

Scientific instruments marked by a special light buoy, *Fl.Y.5s*, exist in position 33° 50'.48 S 151° 15'.87 E.

**Chart temporarily affected - Aus 200 - Aus 201 - AX 00200T - AX 00201T**

**250(T)/2016 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Darling Harbour - Harbour works**  
Port Authority of New South Wales Notice 6/2016, 7/2016

Harbour works are in progress in an area marked by special light buoys, *Fl.Y.5s*, in the following positions:

|                             |
|-----------------------------|
| 33° 51'.84 S 151° 12'.04 E  |
| 33° 51'.84 S 151° 12'.01 E  |
| 33° 51'.88 S 151° 12'.01 E  |
| 33° 51'.91 S 151° 12'.02 E  |
| 33° 51'.94 S 151° 12'.02 E  |
| 33° 51'.95 S 151° 12'.02 E. |

Anchors have been deployed in positions 33° 51'.82 S 151° 11'.96 E and 33° 51'.96 S 151° 11'.97 E. The anchor wires are marked by a special light buoy where there is less than 5m of water over the wires. Vessels are not to pass between the special buoys and the barge.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 200 - Aus 202**

**400(T)/2016 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Exclusion zone**  
Port Authority of New South Wales

A 50m exclusion zone exists around the northern end of berth 206 (34° 28'.26 S 150° 54'.67 E).

Mariners are not to enter the area without obtaining permission from the Harbour Master or VTIC.

**Chart temporarily affected - Aus 194**

**461(T)/2016 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Shark Island - Light buoys withdrawn**  
Australian Maritime Warfare Centre

Special light buoys, *Fl.Y.5s*, in the following positions have been temporarily withdrawn:

|                            |
|----------------------------|
| 33° 51'.33 S 151° 15'.51 E |
| 33° 51'.37 S 151° 15'.50 E |

33° 51'.57 S 151° 15'.61 E  
33° 51'.58 S 151° 15'.66 E.

**Chart temporarily affected - Aus 200 - Aus 201**

**512(T)/2016 AUSTRALIA - NEW SOUTH WALES - Tweed River - Dredging operations**

Maritime Safety Queensland Notice 235(T)/2016

The dredge *Port Frederick* is conducting dredging operations in the entrance to the Tweed River (28° 10'.18 S 153° 33'.20 E).

Dredge spoil will be deposited in the spoil ground located 500m east of Snapper Rocks (28° 09'.71 S 153° 33'.02 E).

The dredge can be contacted on VHF Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 220**

**603(T)/2016 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Darling Harbour - Cockle Bay - Harbour works**

Port Authority of New South Wales

Works associated with the demolition of the Harbourside jetty and promenade (33° 52'.29 S 151° 11'.98 E) are in progress.

The area is marked by a buoyed floating barrier and special light buoys, *Fl. Y. 5s*.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 202**

**653(T)/2016 AUSTRALIA - NEW SOUTH WALES - Green Cape - Light buoy off station eastwards**

Manly Hydraulics Laboratory

The special light buoy, *Fl(5)Y. 20s* (37° 15'.94 S 150° 11'.62 E), is off station.

**Chart temporarily affected - Aus 806**

**709(T)/2016 AUSTRALIA - NEW SOUTH WALES - Cape Byron - Obstructions eastwards**

HMAS *Gascoyne*

Obstructions exist in positions 28° 36'.20 S 153° 44'.30 E and 28° 36'.95 S 153° 44'.02 E.

**Chart temporarily affected - Aus 813**

**710(T)/2016 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Middle Harbour - The Spit - Harbour works**

NSW Roads and Maritime Services Notice SY1617

Maintenance works on The Spit Bridge (33° 48'.15 S 151° 14'.78 E) are in progress.

Individual bridge spans will be progressively restricted to vessels as the works move from span to span.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 200 - Aus 201**

**767(T)/2016 AUSTRALIA - TASMAN SEA - NEW ZEALAND - Narrabeen to North Island - Cable operations**

Australian Communications and Media Authority , Alcatel-Lucent Submarine Networks

Vessel *Ille De Re* is conducting submarine cable laying operations between the following positions:

33° 43'.50 S 151° 18'.06 E  
33° 43'.32 S 151° 18'.80 E  
33° 43'.37 S 151° 19'.02 E  
33° 43'.61 S 151° 19'.46 E  
33° 43'.62 S 151° 19'.70 E  
33° 43'.50 S 151° 19'.90 E

33° 42'.96 S 151° 20'.30 E  
 33° 42'.81 S 151° 20'.57 E  
 33° 42'.80 S 151° 20'.94 E  
 33° 43'.36 S 151° 22'.59 E  
 33° 44'.87 S 151° 25'.64 E  
 33° 45'.30 S 151° 26'.92 E  
 33° 45'.03 S 151° 28'.09 E  
 33° 45'.53 S 151° 30'.11 E  
 33° 46'.01 S 151° 32'.99 E  
 33° 46'.48 S 151° 38'.59 E  
 33° 46'.20 S 151° 39'.64 E  
 33° 45'.55 S 151° 40'.81 E  
 33° 45'.40 S 151° 42'.74 E  
 33° 46'.63 S 151° 51'.07 E  
 33° 46'.52 S 151° 52'.65 E  
 33° 46'.77 S 151° 58'.65 E  
 33° 46'.68 S 152° 01'.15 E  
 33° 47'.45 S 152° 04'.21 E  
 33° 48'.70 S 152° 05'.92 E  
 33° 51'.90 S 152° 08'.93 E  
 34° 03'.27 S 152° 27'.15 E  
 34° 08'.81 S 152° 43'.61 E  
 34° 20'.52 S 153° 08'.60 E  
 34° 34'.56 S 153° 45'.28 E  
 34° 36'.26 S 154° 05'.78 E  
 34° 39'.89 S 154° 22'.43 E  
 34° 45'.85 S 154° 36'.43 E  
 34° 48'.36 S 154° 50'.53 E  
 34° 49'.41 S 155° 11'.77 E  
 34° 56'.81 S 155° 51'.35 E  
 34° 57'.72 S 156° 14'.44 E  
 34° 54'.46 S 156° 33'.73 E  
 35° 13'.68 S 157° 40'.51 E  
 35° 31'.85 S 159° 23'.40 E  
 35° 58'.83 S 162° 13'.91 E  
 36° 16'.64 S 163° 24'.37 E  
 36° 21'.79 S 167° 45'.93 E  
 36° 18'.52 S 167° 57'.17 E  
 36° 50'.36 S 170° 46'.28 E  
 37° 00'.26 S 171° 00'.93 E  
 37° 11'.38 S 171° 41'.09 E  
 37° 25'.38 S 173° 08'.22 E  
 37° 33'.96 S 173° 32'.17 E  
 37° 38'.26 S 174° 19'.17 E  
 37° 48'.88 S 174° 49'.48 E.

**Chart temporarily affected - Aus 197 - Aus 489 - Aus 809 - Aus 4060 (INT 60) - Aus 4601 (INT 601) - Aus 4602 (INT 602) - Aus 4643 (INT 643)**

**823(P)/2016 AUSTRALIA - NEW SOUTH WALES - Clarence River - Yamba - Shoaling**  
 Port Authority of New South Wales

Shoaler depths than those charted exist in the entrance to Clarence River (29° 25'.6 S 153° 22'.3 E).

Shoaling has extended the 2m bank southeastwards, with a least depth of *1.8m* marking the southern limit in position 29° 25'.04 S 153° 21'.02 E.

*Note:* Chart to be updated in due course.

**Chart which will be affected - Aus 222**

**824(T)/2016 AUSTRALIA - NEW SOUTH WALES - Point Danger - Scientific instrument**  
 NSW Roads and Maritime Services Notice NH 1662, NSW Department of Industry

A scientific instrument marked by a special light buoy, *Fl. Y. 4s*, exists in position 28° 09'.89 S 153° 33'.24 E.

**Chart temporarily affected - Aus 220**

**965(T)/2016 AUSTRALIA - NEW SOUTH WALES - Batemans Bay - Dredging operations**

H Smith

Dredging operations of the Clyde River bar are in progress between positions 35° 43'.21 S 150° 12'.25 E and 35° 42'.17 S 150° 10'.74 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 191**

**966(T)/2016 AUSTRALIA - NEW SOUTH WALES - Twofold Bay - Munganno Point - Berth damaged**

Port Authority of New South Wales Notice PA6/2016, PA8/2016

The Wood Chip Berth (37° 06'.08 S 149° 55'.62 E) has been damaged.

Debris exists in two areas marked by unlit white buoys bounded by the following positions:

37° 06'.02 S 149° 55'.66 E

37° 06'.06 S 149° 55'.65 E

37° 06'.03 S 149° 55'.61 E;

and

37° 06'.09 S 149° 55'.63 E

37° 06'.10 S 149° 55'.65 E

37° 06'.18 S 149° 55'.62 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 192**

**1035(T)/2016 AUSTRALIA - NEW SOUTH WALES - Twofold Bay - Scientific instruments**

Port Authority of New South Wales Notice PA0916, PA1016

Subsurface scientific instruments exist on the seabed as follows:

| <i>Position</i>            | <i>Remarks</i>                    |
|----------------------------|-----------------------------------|
| 37° 04'.59 S 149° 54'.43 E |                                   |
| 37° 04'.87 S 149° 53'.47 E |                                   |
| 37° 05'.14 S 149° 57'.66 E | marked by special light buoy, Q.Y |

**Chart temporarily affected - Aus 192**

**1073(T)/2016 AUSTRALIA - NEW SOUTH WALES - Crowdy Head - Light buoy off station**

Manly Hydraulics Laboratory

The special light buoy, *Fl(5)Y.20s* (31° 48'.83 S 152° 51'.39 E), is off station.

**Chart temporarily affected - Aus 811**

**1120(T)/2016 AUSTRALIA - NEW SOUTH WALES - Botany Bay - Yarra Bay - Scientific instrument**

Port Authority of New South Wales Notice 16/2016

A special spherical light buoy, *Fl(5)Y.20s*, exists in position 33° 59'.2 S 151° 13'.2 E.

**Chart temporarily affected - Aus 196 - Aus 198**

## QUEENSLAND

### **757(T)/2011 AUSTRALIA - QUEENSLAND - Laguna Quays - Lights unlit; light beacons damaged**

*Former Notice* - 444(T)/2010 is cancelled

Maritime Safety Queensland Notice 686(T)/2011

Light beacons marking the entrance to Laguna Quays (20° 36'.03 S 148° 41'.21 E) may be damaged or unlit.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 252**

### **758(T)/2011 AUSTRALIA - QUEENSLAND - Laguna Quays - Shoaling**

*Former Notice* - 1052(T)/2006 is cancelled

Maritime Safety Queensland Notice 685/2011

Shoaling exists within the entrance channel to Laguna Quays (20° 36'.03 S 148° 41'.21 E).

Mariners are advised to seek local knowledge prior to transiting the marina entrance and to navigate with caution in the area.

**Chart temporarily affected - Aus 252**

### **211(T)/2013 AUSTRALIA - QUEENSLAND - Fitzroy River - Wreck**

Maritime Safety Queensland Notice 166(T)/2013

A stranded wreck exists in position 23° 25'.58 S 150° 35'.60 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 819**

### **602(T)/2013 AUSTRALIA - QUEENSLAND - Hinchinbrook Channel - Cardwell - Wreck**

*Former Notice* - 1197(T)/2010 is cancelled

Maritime Safety Queensland Notice 443(T)/2012

A wreck marked by a special light buoy, *Fl.Y.2-5s*, exists in position 18° 14'.71 S 146° 01'.66 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 259 - Aus 828**

### **1061(T)/2013 AUSTRALIA - QUEENSLAND - Townsville - Stuart Creek - Wreck**

Maritime Safety Queensland Notice 816(T)/2013

A wreck marked by a special light buoy, *Fl.Y.2-5s*, exists in position 19° 16'.82 S 146° 49'.83 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 257**

### **1214(T)/2013 AUSTRALIA - QUEENSLAND - Cape Bowling Green - Scientific instrument**

*Former Notice* - 926(T)/2011 is cancelled

Australian Institute of Marine Science

A subsurface scientific instrument, depth 10m, exists in position 19° 18'.25 S 147° 37'.23 E.

**Chart temporarily affected - Aus 826 - Aus 827**

### **1274(T)/2013 AUSTRALIA - QUEENSLAND - Two Islands - Wreck**

Maritime Safety Queensland Notice 933(T)/2013

A wreck exists in position 15° 01'.72 S 145° 28'.01 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 831 - Aus 832**

**269(T)/2014 AUSTRALIA - QUEENSLAND - Bowen - Wreck**

*Former Notice* - 221(T)/2014 is cancelled

Maritime Safety Queensland Notice 144(T)/2014

A stranded wreck marked by a light, *Fl.Y.4s*, exists in position 20° 01'.37 S 148° 15'.58 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 268**

**379(T)/2014 AUSTRALIA - QUEENSLAND - Magnetic Island - Bremner Point - Scientific instrument**

Maritime Safety Queensland 91(T)/2014

A scientific instrument marked by special light buoy, *Fl.Y.3s*, exists in position 19° 09'.32 S 146° 52'.57 E.

**Chart temporarily affected - Aus 256**

**579(T)/2014 AUSTRALIA - QUEENSLAND - Gladstone - Scientific instruments**

Maritime Safety Queensland Notices 260(T)/2014, 298(T)/2014

Special light buoys, *Fl.Y.4s*, exist in the following positions:

23° 46'.39 S 151° 22'.85 E

23° 50'.24 S 151° 27'.14 E

23° 55'.00 S 151° 21'.52 E

23° 57'.43 S 151° 30'.18 E.

Special buoys exist in positions 23° 48'.21 S 151° 12'.52 E and 23° 52'.04 S 151° 24'.38 E.

**Chart temporarily affected - Aus 245 - Aus 246 - Aus 819**

**740(T)/2014 AUSTRALIA - QUEENSLAND - Moreton Bay - Coochiemudlo Island - Wreck**

Maritime Safety Queensland Notice 432(T)/2014

A stranded wreck marked by a special light buoy, *Fl.Y.2-5s*, exists in position 27° 33'.94 S 153° 20'.40 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 236**

**912(T)/2014 AUSTRALIA - QUEENSLAND - Cape Bowling Green - Light buoy off station eastwards**

*Former Notice* - 866(T)/2014 is cancelled

Australian Institute of Marine Science

The isolated danger light buoy, *Fl(2)5s* (19° 18'.12 S 147° 37'.05 E), is off station; a special pillar light buoy, *Fl(2)5s*, exists in situ.

**Chart temporarily affected - Aus 826 - Aus 827**

**925(T)/2014 AUSTRALIA - QUEENSLAND - Townsville - Wreck; light buoy**

Maritime Safety Queensland Notice 555(T)/2014

A dangerous wreck marked by a special light buoy, *Fl.Y.2-5s*, exists in position 19° 14'.67 S 146° 49'.60 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 257**

**1072(T)/2014 AUSTRALIA - QUEENSLAND - Magnetic Island - Scientific instrument**

Maritime Safety Queensland Notice 634(T)/2014

A scientific instrument marked by a special light buoy, *Fl. Y. 4s*, exists in position 19° 08.10 S 146° 56'.20 E.

**Chart temporarily affected - Aus 256**

**190(T)/2015 AUSTRALIA - QUEENSLAND - Townsville - Ross River - Light buoy withdrawn**

Maritime Safety Queensland Notices 035(T)/2015

The starboard lateral buoy, *Fl. G. 2-5s No7* (19° 15'.72 S 146° 50'.49 E), has been temporarily withdrawn.

**Chart temporarily affected - Aus 257**

**376(T)/2015 AUSTRALIA - QUEENSLAND - Red Island Point - Light buoys unlit**

Maritime Safety Queensland Notice 082(T)/2015

The following light buoys are unlit:

| <i>Position</i>            | <i>Remarks</i>        |
|----------------------------|-----------------------|
| 10° 49'.71 S 142° 21'.37 E | <i>Fl. R 2-5s No2</i> |
| 10° 50'.05 S 142° 22'.24 E | <i>Fl. R 2-5s No4</i> |
| 10° 50'.31 S 142° 22'.24 E | <i>Fl. R 2-5s No6</i> |

**Chart temporarily affected - Aus 294**

**638(T)/2015 AUSTRALIA - QUEENSLAND - Shute Bay - Wreck**

Maritime Safety Queensland Notice 166(T)/2015

A wreck marked by a special light buoy, *Fl. Y. 3s*, exists in position 20° 17'.76 S 148° 46'.87 E

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 252 - Aus 253**

**639(T)/2015 AUSTRALIA - CORAL SEA - Bampton Reef - Light buoy off station northwards**

Australian Bureau of Meteorology

The light buoy, *Fl. Y. 2s* (15° 47'.5 S 158° 23'.3 E), is off station.

**Chart temporarily affected - Aus 4604 (INT 604) - AX 04604U**

**743(T)/2015 AUSTRALIA - QUEENSLAND - Lucinda - Light buoy off station; light buoy unlit**

Maritime Safety Queensland Notice 198(T)/2015

The starboard lateral light buoy, *Fl. G. 3s No13*, (18° 29'.59 S 146° 16'.40 E) is off station.

The isolated danger light buoy, *Fl(2) 4s*, (18° 31'.29 S 146° 19'.04 E) is unlit.

**Chart temporarily affected - Aus 259 - Aus 267**

**1005(T)/2015 AUSTRALIA - QUEENSLAND - Boyd Point - Scientific instruments**

Maritime Safety Queensland Notice 266(T)/2015, Maritime Operations

Scientific instruments exist as follows:

| <i>Position</i>            | <i>Remarks</i>                           |
|----------------------------|------------------------------------------|
| 12° 53'.07 S 141° 39'.85 E | special spherical buoy, <i>Fl. Y. 4s</i> |
| 12° 54'.58 S 141° 37'.73 E | special spherical buoy, <i>Fl. Y. 4s</i> |
| 12° 56'.86 S 141° 35'.98 E | special spherical buoy, <i>Fl. Y. 4s</i> |
| 12° 57'.63 S 141° 34'.63 E | special spherical buoy, <i>Fl. Y. 4s</i> |
| 12° 53'.09 S 141° 39'.85 E | special spherical buoy, <i>Fl. Y. 4s</i> |
| 12° 56'.41 S 141° 26'.87 E | special spherical buoy, <i>Fl. Y. 4s</i> |
| 13° 00'.15 S 141° 34'.55 E | special spherical buoy, <i>Fl. Y. 4s</i> |

A 200m exclusion zone exists around each buoy.

**Chart temporarily affected - Aus 301**

**1158(T)/2015 AUSTRALIA - QUEENSLAND - Moreton Bay - Caloundra to Mud Island - AIS trial**

Former Notice - 428(T)/2015 is cancelled

Maritime Safety Queensland Notice 315(T)/2015

Virtual and physical AIS units exist as follows:

| <i>Position</i>            | <i>Remarks</i>         | <i>Type</i> |
|----------------------------|------------------------|-------------|
| 26° 48'.72 S 153° 10'.62 E | Safe water mark        | Physical    |
| 26° 49'.84 S 153° 08'.97 E | Special mark           | Physical    |
| 27° 03'.47 S 153° 17'.88 E | Starboard lateral mark | Virtual     |
| 27° 05'.88 S 153° 19'.37 E | Port lateral mark      | Virtual     |
| 27° 17'.43 S 153° 13'.38 E | Safe water mark        | Virtual     |

**Chart temporarily affected - Aus 235 - Aus 236 - Aus 814 - Aus 815**

**1250(T)/2015 AUSTRALIA - QUEENSLAND - Hamilton Island - Harbour works**

Maritime Safety Queensland Notice 337(T)/2015

Harbour works associated with the extension and reconfiguration of Hamilton Island marina are in progress (20° 20'.84 S 148° 57'.00 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 254**

**1369(T)/2015 AUSTRALIA - QUEENSLAND - Hinchinbrook Island - Missionary Bay - Light buoy withdrawn**

Maritime Safety Queensland Notice 355(T)/2015

The special light buoy, *Fl. Y. 4s* (18° 12'.34 S 146° 09'.36 E), has been temporarily withdrawn.

**Chart temporarily affected - Aus 828**

**67(T)/2016 AUSTRALIA - QUEENSLAND - Karumba - Shoaling**

Maritime Safety Queensland Notice 2(T)/2016

Shoaling exists in the entrance channel between beacon No6 (17° 26'.08 S 140° 44'.22 E) and beacon No12 (17° 26'.65 S 140° 45'.51 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 6**

**73(T)/2016 AUSTRALIA - QUEENSLAND - Townsville - Sea Channel - Light beacon damaged**

Maritime Safety Queensland Notice 376(T)/2015

The light beacon, *Q.R S2* (19° 08'.46 S 146° 53'.39 E), has been damaged; two temporary lights, *Q.R*, exist on the beacon.

Mariners are advised to navigate with caution in the area as the lights may be obscured when approaching the beacon from certain directions.

**Chart temporarily affected - Aus 256 - Aus 827**

**84(T)/2016 AUSTRALIA - TORRES STRAIT - Kai-Maituine Reef - Wreck**

Australian Maritime Safety Authority

A stranded wreck exists in position 10° 15'.20 S 143° 06'.55 E.

**Chart temporarily affected - Aus 839**

**207(T)/2016 AUSTRALIA - QUEENSLAND - Weipa - Cora Bank - Mooring buoys**

Maritime Safety Queensland Notice 51(T)/2016

Mooring buoys exist in the following positions:

12° 40'.12 S 141° 51'.08 E

12° 40'.14 S 141° 51'.15 E  
12° 40'.17 S 141° 51'.23 E  
12° 40'.22 S 141° 51'.36 E  
12° 40'.47 S 141° 51'.59 E.

**Chart temporarily affected - Aus 4**

**258(T)/2016 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Light buoys**

Maritime Safety Queensland Notice 61(T)/2016

Light buoys exist as follows:

| <i>Number</i> | <i>Position</i>            | <i>Characteristics</i> |
|---------------|----------------------------|------------------------|
| UC3           | 25° 09'.12 S 152° 50'.46 E | <i>Fl.G.2.5s</i>       |
| UC1           | 25° 09'.10 S 152° 50'.54 E | <i>Fl.G.2.5s</i>       |
| UC2           | 25° 08'.96 S 152° 50'.45 E | <i>Fl.R.2.5s</i>       |
| S3            | 25° 12'.70 S 152° 54'.75 E | <i>Fl.G.3s</i>         |
| NG1           | 25° 20'.20 S 153° 01'.40 E | <i>Fl.G.3s</i>         |

**Chart temporarily affected - Aus 241 - Aus 817**

**299(T)/2016 AUSTRALIA - QUEENSLAND - Shute Harbour - Wreck**

Maritime Safety Queensland Notice 91(T)/2016

A wreck exists in position 20° 17'.79 S 148° 46'.81 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 252 - Aus 253**

**301(T)/2016 AUSTRALIA - QUEENSLAND - Whitsunday Island - Frith Rock - Wreck**

*Former Notice - 267(T)/2016 is cancelled*

Maritime Safety Queensland Notice 73(T)/2016

A wreck exists in position 20° 18'.65 S 149° 04'.10 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 252 - Aus 253 - Aus 824**

**358(T)/2016 AUSTRALIA - TORRES STRAIT - Darnley Island - Wreck**

Maritime Safety Queensland Notice 571(T)/2014

A stranded wreck exists in position 9° 35'.54 S 143° 47'.00 E.

**Chart temporarily affected - Aus 377 - Aus 840**

**401(T)/2016 AUSTRALIA - QUEENSLAND - Hay Point - Scientific instrument**

*Former Notice - 951(T)/2015 is cancelled*

Maritime Safety Queensland Notice 114/2016

A scientific instrument marked by a special light buoy, *Fl.4s*, exists in position 21° 15'.84 S 149° 18'.11 E.

**Chart temporarily affected - Aus 250**

**410(T)/2016 AUSTRALIA - TORRES STRAIT - Talbot Islands to Deliverance Island - Obstructions**

Maritime Safety Queensland Notice 103(T)/2016

Obstructions exist in positions 9° 29'.08 S 141° 35'.11 E and 9° 18'.03 S 142° 05'.12 E.

**Chart temporarily affected - Aus 841 - Aus 842**

**462(T)/2016 AUSTRALIA - QUEENSLAND - Airlie Beach - Abell Point - Dredging operations**

Maritime Safety Queensland Notice 213(T)/2016

The barge *James Pearce* and support vessel *AJ Coyne II* are conducting dredging operations in the vicinity of position 20° 16'.05 S 148° 42'.52 E.

A floating pipeline exists from the barge to the shore.

The barge will display appropriate lights and shapes and will monitor VHF Ch 9 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 269**

**467(T)/2016 AUSTRALIA - QUEENSLAND - North Gardner Bank - Wreck**

Maritime Safety Queensland Notice 221(T)/2016

A wreck exists in position 24° 55'.51 S 153° 25'.86 E.

Mariners are advised to give the wreck a wide berth and navigate with caution in the area.

**Chart temporarily affected - Aus 816**

**469(T)/2016 AUSTRALIA - QUEENSLAND - Townsville - Harbour works**

Maritime Safety Queensland Notice 219(T)/2016

Harbour works associated with the upgrade to berth 4 (19° 15'.07 S 146° 50'.08 E) are in progress.

Vessels will monitor VHF channels 12 and 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 257**

**513(T)/2016 AUSTRALIA - QUEENSLAND - Townsville - Harbour works**

Maritime Safety Queensland Notice 240(T)/2016

Harbour works are in progress in the vicinity of position 19° 14'.64 S 146° 49'.99 E.

Vessels will monitor VHF Ch 12 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 257**

**568(T)/2016 AUSTRALIA - QUEENSLAND - Gladstone - Calliope River - Harbour works**

Maritime Safety Queensland Notice 249(T)/2015

Harbour works associated with the remediation of the wharf (23° 49'.55 S 151° 12'.97 E) are in progress.

Scaffolding marked by yellow lights exists around the outer piles (23° 49'.54 S 151° 13'.01 E)

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 245 - Aus 271**

**571(T)/2016 AUSTRALIA - QUEENSLAND - Townsville - Ross River Channel - Depths; nav aids**

UKHO

Depths in the Ross River Channel (19° 15'.85 S 146° 50'.42 E) are not consistent with charted information.

Nav aids exist as follows:

| <i>Position</i>              | <i>Remarks</i>                                                              |
|------------------------------|-----------------------------------------------------------------------------|
| 19° 15'.800 S 146° 50'.461 E | port lateral cylindrical light buoy, <i>Fl.R.4s</i> , without topmark       |
| 19° 15'.815 S 146° 50'.471 E | special light beacon, <i>Fl.Y.2.5s</i> , without topmark                    |
| 19° 15'.981 S 146° 50'.288 E | port lateral cylindrical light buoy, <i>Fl.R.2.5s No8</i> , without topmark |

Nav aids have been removed as follows:

| <i>Position</i> | <i>Remarks</i> |
|-----------------|----------------|
|-----------------|----------------|

19° 15'.82 S 146° 50'.47 E      port lateral light beacon, *Fl.R.4s No6*  
19° 15'.94 S 146° 50'.36 E      port lateral light buoy, *Fl.R.2-5s No8*

A block update for Aus 257 will be issued on receipt of survey data.

**Chart temporarily affected - Aus 257**

**605(T)/2016    AUSTRALIA - QUEENSLAND - Bundaberg - Middle Reach - Shoaling**  
Maritime Safety Queensland

Shoaling, with a least depth of *0.7m*, exists in the vicinity of position 24° 45'.27 S 152° 23'.82 E.

**Chart temporarily affected - Aus 242**

**606(T)/2016    AUSTRALIA - QUEENSLAND - Bunker Group - Lady Musgrave Island - Foul ground westwards**  
Maritime Safety Queensland    Notice 277(T)/2016

A foul ground exists in position 23° 57'.34 S 152° 06'.91E.

**Chart temporarily affected - Aus 490 - Aus 818 - Aus 819**

**659(T)/2016    AUSTRALIA - QUEENSLAND - Abbot Point - Scientific instruments**  
Maritime Safety Queensland    Notices 287, 288(T)/2016

Subsurface scientific instruments exist in the following positions:

19° 54'.28 S 148° 08'.51 E  
19° 50'.66 S 148° 00'.46 E  
19° 53'.53 S 147° 56'.21 E  
19° 50'.50 S 147° 54'.35 E  
19° 44'.15 S 148° 21'.56 E  
19° 52'.30 S 148° 06'.29 E.

**Chart temporarily affected - Aus 255 - Aus 268 - Aus 825 - Aus 826**

**660(T)/2016    AUSTRALIA - QUEENSLAND - Cape Upstart - Light buoy unlit**  
Maritime Safety Queensland    Notice 289(T)/2016

The west cardinal light buoy, *Q(9)15s* (19° 43'.07 S 147° 45'.25 E), is unlit.

**Chart temporarily affected - Aus 826**

**661(T)/2016    AUSTRALIA - QUEENSLAND - Fitzroy River - South Channel - Scientific instrument**  
Maritime Safety Queensland    Notice 285(T)/2016

A special buoy exists in position 23° 30'.23 S 150° 45'.33 E.

**Chart temporarily affected - Aus 819**

**664(T)/2016    AUSTRALIA - QUEENSLAND - Great Sandy Strait - Mary River - Heath Reach - Scientific instrument**  
Maritime Safety Queensland    Notice 286(T)/2016

A special buoy exists in position 25° 30'.10 S 152° 47'.22 E.

**Chart temporarily affected - Aus 241**

**665(T)/2016    AUSTRALIA - QUEENSLAND - Hay Point - Light unlit**  
Maritime Safety Queensland    Notice 302(T)/2016

The light, *Dir.Iso.WRG.4s 11m* (21° 17'.33 S 149° 17'.94 E), is unlit.

**Chart temporarily affected - Aus 249 - Aus 250 - Aus 823**

**666(T)/2016    AUSTRALIA - QUEENSLAND - Moreton Bay - Manly Boat Harbour - Shoaling**

Maritime Safety Queensland Notice 301(T)/2016

Shoaling, with a least depth of *1.8m*, exists within the entrance to Manly Boat Harbour (27° 27'.13 S 153° 11'.51 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 236**

**670(T)/2016 AUSTRALIA - QUEENSLAND - Rosslyn Bay - Dredging operations**

Maritime Safety Queensland Notice 306(T)/2016

The dredge *Darwin* is conducting dredging operations in the harbour (23° 09'.65 S 150° 47'.30 E).

The dredge will monitor VHF Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 247**

**672(T)/2016 AUSTRALIA - QUEENSLAND - Townsville - Light buoys withdrawn**

Maritime Safety Queensland Notice 291(T)/2016

The special light buoys, *Fl.Y.4s*, in positions 19° 14'.58 S 146° 50'.37 E and 19° 14'.61 S 146° 50'.35 E have been temporarily withdrawn.

**Chart temporarily affected - Aus 257**

**714(T)/2016 AUSTRALIA - QUEENSLAND - Pumicestone Channel - Scientific instruments**

Maritime Safety Queensland

Subsurface scientific instruments exist on the seabed in positions 27° 00'.21 S 153° 05'.70 E and 27° 05'.22 S 153° 09'.32 E.

**Chart temporarily affected - Aus 235 - Aus 236**

**769(T)/2016 AUSTRALIA - QUEENSLAND - Great Keppel Island - Light buoys**

Maritime Safety Queensland Notice 323(T)/2016

Light buoys exist as follows:

| <i>Position</i>            | <i>Remarks</i>   |
|----------------------------|------------------|
| 23° 10'.14 S 150° 55'.60 E | <i>Fl.G.2.5s</i> |
| 23° 10'.12 S 150° 55'.69 E | <i>Fl.R.2.5s</i> |

**Chart temporarily affected - Aus 247**

**833(T)/2016 AUSTRALIA - QUEENSLAND - Thursday Island - Port Kennedy - Dolphin damaged**

Maritime Safety Queensland Notice 332(T)/2016

The dolphin has collapsed and an isolated danger light buoy, *Fl(2)4s*, exists in position 10° 35'.20 S 142° 13'.27 E.

Mariners are advised to navigate with caution in the area and a 50m clearance from the buoy should be given to avoid collision with the dolphin at low tide.

**Chart temporarily affected - Aus 293 - Aus 299**

**884(T)/2016 AUSTRALIA - QUEENSLAND - Bowen - Stone Island - Light beacon destroyed**

Maritime Safety Queensland Notice 343(T)/2016

The isolated danger light beacon, *Iso.2s N2* (20° 01'.27 S 148° 16'.97 E), has been destroyed. A virtual isolated danger mark, *STONE IS.ISO DANG N2*, exists in situ.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 268**

**926(T)/2016 AUSTRALIA - QUEENSLAND - Cooktown - Obstruction**

Maritime Safety Queensland Notice 363/2016

An underwater obstruction, least depth 2.1m, exists in the vicinity of position 15° 27'.257 S 145° 15'.326 E.

**Chart temporarily affected - Aus 270**

**927(T)/2016 AUSTRALIA - QUEENSLAND - Gladstone - Harbour works**

Maritime Safety Queensland Notice 360(T)/2016

The barge *M1201* and support vessel MT *Hammerhead* are conducting harbour works at the GLNG MOF outfall pipeline (23° 47'.73 S 151° 12'.91 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 245 - Aus 271**

**930(T)/2016 AUSTRALIA - QUEENSLAND - Moreton Bay - Waterloo Bay - Dredging operations**

Maritime Safety Queensland Notice 350(T)/2016

The dredge *Ken Harvey* and support vessels are conducting dredging operations in Waterloo Bay (27° 28'.0 S 153° 13'.3 E).

Vessels involved in the works will monitor VHF Ch 13 and Ch 16 and display appropriate shapes and lights.

The dredge will deploy six anchors marked by buoys. Vessels must contact the dredge on VHF Ch 13 when passing to arrange safe passage.

Lit orange mooring buoys, Q, exist in positions 27° 27'.20 S 153° 12'.87 E and 27° 27'.25 S 153° 12'.99 E. The barges will be moored in these positions when not in use.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 236**

**968(T)/2016 AUSTRALIA - QUEENSLAND - Bowen - Harbour works**

Maritime Safety Queensland Notice 380(T)/2016

Harbour works including construction and diving operations are in progress between positions 20° 01'.35 S 148° 15'.39 E and 20° 01'.15 S 148° 15'.40 E.

Barges *PMG 122*, *PMG Swordfish* and vessel *Titan* are on site and will monitor VHF Ch 12 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 268**

**970(T)/2016 AUSTRALIA - QUEENSLAND - Gold Coast Seaway - Light buoy repositioned**

Maritime Safety Queensland Notice 359(T)/2016

Due to dredging operations the east cardinal light buoy, *F(3)8s* (27° 56'.18 S 153° 25'.32 E), has been repositioned to 27° 56'.14 S 153° 25'.38 E.

**Chart temporarily affected - Aus 230**

**971(P)/2016 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Shoaling**

Maritime Safety Queensland

Latest survey shows shoaler depths than those charted may exist in the area of Ship Channel (25° 10'.0 S 152° 52'.3 E) and Great Sandy Strait (25° 19'.5 S 153° 00'.7 E).

Charts will updated in due course.

**Chart which will be affected - Aus 241 - Aus 817**

**974(T)/2016 AUSTRALIA - QUEENSLAND - Townsville - Dredging operations**

Maritime Safety Queensland Notice 372(T)/2016

The dredge *Brisbane* is conducting dredging operations in Sea Channel, Platypus Channel and Inner & Outer Harbour.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 256 - Aus 257 - Aus 827**

**1037(T)/2016 AUSTRALIA - QUEENSLAND - Brisbane River - Hamilton Reach - Scientific instruments**

*Former Notice - 969(T)/2016 is cancelled*

Maritime Safety Queensland Notice 404(T)/2016

Scientific instruments marked by special light buoys, *Fl. Y. 5s*, exist in the following positions:

27° 26'.37 S 153° 03'.28 E

27° 26'.39 S 153° 03'.44 E

27° 26'.44 S 153° 03'.09 E

27° 26'.44 S 153° 03'.88 E.

**Chart temporarily affected - Aus 238**

**1038(T)/2016 AUSTRALIA - QUEENSLAND - Weipa - Humbug Point to Hey Point - Harbour works**

*Former Notice - 300(T)/2016 is cancelled*

Maritime Safety Queensland Notice 72(T)/2016, 384(T)/2016

Harbour works are in progress at Hey Point (12° 43'.80 S 141° 53'.60 E) and Humbug Point Wharf (12° 40'.11 S 141° 51'.77 E).

An exclusion zone exists in an area bounded by the following positions:

12° 40'.10 S 141° 51'.71 E

12° 40'.14 S 141° 51'.63 E

12° 40'.00 S 141° 51'.49 E

12° 39'.91 S 141° 51'.59 E.

Light beacons, *Q*, exist in the following positions:

12° 42'.3 S 141° 53'.0 E

12° 43'.1 S 141° 53'.1 E

12° 43'.7 S 141° 53'.6 E

12° 44'.7 S 141° 53'.7 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 4**

**1121(T)/2016 AUSTRALIA - QUEENSLAND - Cairns - Dredging operations**

Maritime Safety Queensland

Dredging operations are in progress at the naval base (16° 56'.20 S 145° 46'.73 E).

Anchor wires marked by special light buoys, *Fl. Y. 4s*, may exist across the entrance to the naval base.

**Chart temporarily affected - Aus 263 - Aus 264**

**1122(T)/2016 AUSTRALIA - QUEENSLAND - Moreton Bay - Spitfire Channel - Light buoy**

Maritime Safety Queensland Notice 406(T)/2016

A starboard lateral pillar light buoy, *Fl. G. 2.5s*, exists in position 27° 02'.90 S 153° 16'.30 E.

**Chart temporarily affected - Aus 235 - Aus 236**

**1153(T)/2016 AUSTRALIA - QUEENSLAND - Burleigh Head - Scientific instruments**

*Former Notice - 768(T)/2016 is cancelled*

Maritime Safety Queensland Notice 440(T)/2016

Special light buoys, *Fl(5)Y. 20s*, exist in positions 28° 06'.42 S 153° 28'.38 E and 28° 05'.96 S 153° 29'.07 E.

**Chart temporarily affected - Aus 814**

**1154(T)/2016 AUSTRALIA - QUEENSLAND - Gladstone - Clinton Channel - Diving operations**  
Maritime Safety Queensland Notice 450(T)/2016

Diving operations are in progress in an area bounded by the following positions:

23° 48'.49S 151° 14'.11 E  
23° 49'.04S 151° 14'.63 E  
23° 49'.15S 151° 14'.74 E  
23° 49'.37S 151° 15'.07 E  
23° 49'.02S 151° 14'.77 E  
23° 48'.54S 151° 14'.23 E.

MV *Revision* is on site and will display appropriate lights and shapes and will monitor VHF Ch 13, Ch 14 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 244 - Aus 245 - Aus 271**

**1180(T)/2016 AUSTRALIA - QUEENSLAND - Brisbane River - Dredging operations**  
Maritime Safety Queensland Notice 459(T)/2016

The dredge *Brisbane* is conducting dredging operations in the Port of Brisbane from the entrance beacons (27° 18'.59 S 153° 12'.57 E) to the upstream end of Hamilton Reach (27° 26'.47 S 153° 03'.70 E).

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

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 236 - Aus 237 - Aus 238**

**1181(T)/2016 AUSTRALIA - QUEENSLAND - Brisbane River - Hamilton Reach - Harbour works; light beacon withdrawn**

*Former Notice* - 1036(T)/2016 is cancelled  
Maritime Safety Queensland Notice 351(T)/2016, 365/2016

Works involving the construction of a new lead light and demolition of wharves are in progress between positions 27° 26'.50 S 153° 02'.81 E and 27° 26'.42 S 153° 03'.85 E.

Tugs and barges are on site and will display appropriate shapes and will monitor VHF Ch 12 and Ch 13.

A silt curtain exist in the area.

A 6 knot speed limit is in force for all vessels.

The starboard lateral light beacon, *Fl.G.2.5s* (27° 26'.42 S 153° 03'.85 E), has been removed.

Light buoys exist as follows:

| <i>Position</i>            | <i>Remarks</i>                              |
|----------------------------|---------------------------------------------|
| 27° 26'.43 S 153° 03'.78 E | special cylindrical, Q.Y                    |
| 27° 26'.42 S 153° 03'.50 E | special cylindrical, Q.Y                    |
| 27° 26'.40 S 153° 03'.25 E | special cylindrical, Q.Y                    |
| 27° 26'.47 S 153° 02'.99 E | starboard lateral conical, <i>Fl.G.2.5s</i> |
| 27° 26'.55 S 153° 03'.85 E | port lateral cylindrical, <i>Fl.R.2.5s</i>  |
| 27° 26'.46 S 153° 03'.87 E | starboard lateral conical, <i>Fl.G.2.5s</i> |

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 238**

**1182(T)/2016 AUSTRALIA - QUEENSLAND - Gardner Bank - Wreck**  
Maritime Safety Queensland Notice 463(T)/2016

A wreck exists in position 25° 07'.85 S 153° 27'.38 E. Floating nets exist near the surface.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 816**

**1183(T)/2016 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Dayman Point - Wreck**  
Maritime Safety Queensland Notice 464(T)/2016

A wreck marked by a special light buoy, *Fl. Y. 3s*, exists in position 25° 16'.18 S 152° 54'.31 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 241 - Aus 817**

**1205(T)/2016 AUSTRALIA - QUEENSLAND - Brisbane River - Fisherman Islands - Harbour works**  
Maritime Safety Queensland Notice 469(T)/2016

Harbour works are in progress at the Coal Wharf. A safe clearance of 30m exists around the wharf and the extent is marked by a special light buoy, *Q. Y.*, in position 27° 23'.33 S 153° 09'.50 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 237**

**1207(T)/2016 AUSTRALIA - QUEENSLAND - Moreton Bay - Mud Island - Scientific instrument**  
Maritime Safety Queensland Notice 478/2016

A scientific instrument exists on the seabed, with least depth *7m*, in position 27° 20'.62 S 153° 13'.23 E.

**Chart temporarily affected - Aus 236**

## NORTHERN TERRITORY

### **223(T)/2009 AUSTRALIA - TIMOR SEA - Sahul Banks - Navaid; racon non operational**

*Former Notice* - 671(T)/2008 is cancelled

Modec Management Services

A lit riser turret mooring exists in position 10° 52'.50 S 126° 34'.19 E. The racon is non operational.

**Chart temporarily affected - Aus 312 - Aus 4721 (INT 721) - AX 0312F - AX 4721F**

### **790(T)/2014 AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm - Bladin Point - Harbour works**

*Former Notice* - 697(T)/2014 is cancelled

Darwin Port Corporation Notice 98(T)/2014

Works associated with the construction of the product loading jetty are in progress in an area bounded by the following positions:

12° 30'.51 S 130° 54'.25 E

12° 30'.38 S 130° 55'.11 E

12° 30'.57 S 130° 55'.28 E

12° 30'.90 S 130° 54'.64 E

12° 30'.66 S 130° 54'.26 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 26 - Aus 28 - AX 00026T**

### **1038(T)/2014 INDIAN OCEAN - Mid-Indian Ocean Basin - Light buoy off station**

*Former Notice* - 801(T)/2014 is cancelled

Australian Bureau of Meteorology

The light buoy (13° 59'.0 S 110° 00'.0 E) is drifting and currently in position 12° 52'.52 S 77° 37'.82 E (13 October 2014).

**Chart temporarily affected - Aus 4708 (INT 708) - Aus 4714 (INT 714) - Aus 4723 (INT 723) - AX 04708U - AX 04714U - AX 04723U**

### **1193(T)/2014 AUSTRALIA - NORTHERN TERRITORY - East Vernon Island - Obstruction**

Department of Transport NT

An obstruction exists in position 12° 04'.07 S 131° 03'.48 E.

**Chart temporarily affected - Aus 20**

### **143(T)/2015 AUSTRALIA - NORTHERN TERRITORY - Darwin - Middle Ground - Obstruction**

Darwin Port Corporation Notice 75(T)/2013

An obstruction exists within a 50m radius of position 12° 23'.75 S 130° 46'.43 E.

Mariners are advised not to anchor within the area.

**Chart temporarily affected - Aus 26 - AX 00026T**

### **454(T)/2015 INDIAN OCEAN - Sumatera - Scientific instruments westwards**

*Former Notice* - 304(T)/2014 is cancelled

JAMSTEC

Scientific instruments, Triton buoys, exist as follows:

| Number | Position |
|--------|----------|
|--------|----------|

|    |                          |
|----|--------------------------|
| 17 | 4° 57'.05 S 94° 58'.44 E |
|----|--------------------------|

|    |                          |
|----|--------------------------|
| 18 | 1° 37'.06 S 89° 59'.02 E |
|----|--------------------------|

|    |                           |
|----|---------------------------|
| 19 | 8° 00'.03 S 95° 02'.41 E. |
|----|---------------------------|

**Chart temporarily affected - Aus 4070 (INT 70) - Aus 4071 (INT 71)**

**893(T)/2015 AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm - Scientific instruments**  
Northern Territory Government Notice 97(T)/2015

Special light buoys, Q.Y, exist as follows;

12° 29'.66 S 130° 55'.36 E  
12° 30'.48 S 130° 53'.15 E  
12° 30'.73 S 130° 54'.29 E  
12° 30'.11 S 130° 55'.59 E  
12° 30'.32 S 130° 55'.41 E  
12° 30'.51 S 130° 55'.95 E  
12° 31'.09 S 130° 55'.95 E  
12° 31'.97 S 130° 56'.39 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 26 - Aus 28 - AX 00026T**

**894(T)/2015 AUSTRALIA - NORTHERN TERRITORY - East Arm - Lights**  
Department of Transport NT Notice 96(T)/2015

Lights, Q.Y, exist in the following positions:

12° 30'.636 S 130° 54'.439 E  
12° 30'.607 S 130° 54'.491 E  
12° 30'.604 S 130° 54'.503 E  
12° 30'.603 S 130° 54'.529 E  
12° 30'.598 S 130° 54'.542 E  
12° 30'.607 S 130° 54'.601 E  
12° 30'.591 S 130° 54'.696 E  
12° 30'.557 S 130° 54'.762 E  
12° 30'.554 S 130° 54'.779 E  
12° 30'.549 S 130° 54'.806 E  
12° 30'.545 S 130° 54'.827 E  
12° 30'.553 S 130° 54'.908 E.

**Chart temporarily affected - Aus 28**

**679(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm - Harbour works**

*Former Notice - 412(T)/2016 is cancelled*

Department of Transport NT Notice 67(T)/2016

Harbour works are in progress in the vicinity of position 12° 29'.32 S 130° 54'.10 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 28**

**719(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Darwin - Sadgroves Creek - Light beacon unlit**

Department of Transport NT Notice 70(T)/2016

The port lateral light beacon, Q.R (12° 26'.64 S 130° 51'.54 E), is unlit.

**Chart temporarily affected - Aus 24 - Aus 26**

**773(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Medina Inlet - Light buoy unlit**

Department of Transport NT Notice 1(T)/2016

The starboard lateral light buoy, F.I.G.4s (11° 51'.64 S 130° 35'.07 E), is unlit.

**Chart temporarily affected - Aus 23 - Aus 722**

**1040(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Darwin - Sadgroves Creek - Light beacon unlit**

Department of Transport NT Notice 85(T)/2016

The port lateral light beacon, F.(2)R.4s (12° 26'.59 S 130° 51'.54 E), is unlit.

**Chart temporarily affected - Aus 24**

**1047(T)/2016 INDIAN OCEAN - Southeast Indian Ridge - Underwater operations**  
Australian Maritime Safety Authority NAVAREAX 55/2016

The vessel *Fugro Equator* is conducting underwater operations in an area bounded by the following positions:

35° 36'.0 S 84° 18'.0 E  
40° 02'.0 S 84° 18'.0 E  
40° 02'.0 S 92° 04'.0 E  
35° 36'.0 S 92° 04'.0 E.

Mariners are advised to navigate with caution in the area. 25M clearance requested.

**Chart temporarily affected - Aus 4070 (INT 70) - Aus 4074 (INT 74) - Aus 4710 (INT 710) - Aus 4714 (INT 714)**

## WESTERN AUSTRALIA

### **228(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Bunbury - Leschenault Estuary - Shoaling**

*Former Notice* - 1058(T)/2012 is cancelled

Department of Transport WA

Shoaling exists inside the northern groyne of The Cut entrance channel (33° 18'.2 S 115° 40'.3 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 115**

### **271(T)/2013 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Obstruction**

Dampier Port Authority Notice 9/2013

An obstruction exists in position 20° 38'.8 S 116° 32'.2 E.

**Chart temporarily affected - Aus 57 - Aus 741 - Aus 742**

### **851(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Dampier Archipelago - Roly Rock - Obstruction eastwards**

TAMS

A length of cable exists on the seabed between the following positions:

20° 30'.09 S 116° 27'.99 E

20° 30'.66 S 116° 26'.38 E.

**Chart temporarily affected - Aus 57 - Aus 327 - Aus 741 - Aus 742**

### **1078(P)/2015 AUSTRALIA - WESTERN AUSTRALIA - East Holothuria Reef - Shoaling**

HMAS Mermaid

Depths less than 6m have been reported in the vicinity of position 13° 33'.6 S 126° 10'.8 E.

Mariners are advised to navigate with caution in the area.

**Chart which will be affected - Aus 318 - Aus 319 - Aus 727 - Aus 728 - AX 00318S - AX 00319S - AX 00319U**

### **1123(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Light beacons; tug mooring**

*Former Notice* - 1083(T)/2015 is cancelled

BHP Billiton Petroleum Pty Ltd

Light beacons have been established in the following positions:

20° 19'.726 S 118° 35'.207 E SC01 Fl.G.2s

20° 19'.703 S 118° 35'.238 E SC02 Fl.R.2s

20° 19'.817 S 118° 35'.326 E SC03 Fl.G.2s

20° 19'.789 S 118° 35'.350 E SC04 Fl.R.2s

A tug mooring barge exists in position 20° 19'.88 S 118° 35'.43 E.

Chart will be updated on receipt of survey data.

**Chart temporarily affected - Aus 54**

### **1214(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Port Walcott - Drilling operations**

Hagstorm Drilling

The jack up barges *Sealift 2* and *Sealift 5*, and support vessels, are conducting drilling operations in an area 500m either side of the following positions:

20° 30'.00 S 117° 09'.50 E

20° 31'.37 S 117° 09'.85 E

20° 34'.21 S 117° 06'.94 E

20° 35'.09 S 117° 06'.39 E

20° 36'.28 S 117° 05'.99 E

20° 37'.00 S 117° 05'.93 E

All vessels will display appropriate lights and shapes and monitor VHF Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 55 - Aus 57 - Aus 326 - Aus 327 - Aus 740 - Aus 741**

**1323(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instruments northwestwards**

*Former Notice - 970(T)/2015 is cancelled*

MetOcean Engineers

Scientific instruments exist as follows:

| <i>Position</i>            | <i>Remarks</i>                         |
|----------------------------|----------------------------------------|
| 19° 47'.21 S 114° 34'.76 E | subsurface                             |
| 20° 26'.46 S 114° 58'.70 E | orange spherical light buoy, Q(5)Y.20s |

**Chart temporarily affected - Aus 328**

**1393(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Scientific instrument**

Pilbara Ports Authority Notice 22/2015

A special light buoy, Q.Y, exists in position 20° 00'.33 S 118° 26'.30 E.

**Chart temporarily affected - Aus 53 - Aus 739 - Aus 740**

**88(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Ashburton Road - Mooring buoys**

*Former Notice - 1384(T)/2015 is cancelled*

Chevron Australia Pty Ltd

Lit mooring buoys, *Fl.Y.4s*, exist in the following positions:

|                             |
|-----------------------------|
| 21° 39'.69 S 115° 01'.29 E  |
| 21° 39'.50 S 115° 01'.18 E  |
| 21° 39'.22 S 115° 01'.38 E  |
| 21° 38'.93 S 115° 01'.96 E. |

**Chart temporarily affected - Aus 64 - Aus 69 - Aus 743**

**154(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Mullaloo - Light buoy**

Department of Transport WA

An orange spherical light buoy, *Fl(5)Y.20s*, exists in position 31° 47'.13 S 115° 43'.84 E.

**Chart temporarily affected - Aus 754**

**214(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Bluff Point - Fish aggregating devices**

Department of Transport WA

Special spherical buoys exist in the following positions:

|                             |
|-----------------------------|
| 27° 35'.73 S 114° 05'.49 E  |
| 27° 42'.81 S 114° 05'.83 E  |
| 27° 52'.43 S 114° 04'.00 E. |

**Chart temporarily affected - Aus 332**

**216(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Scientific instruments**

Pilbara Ports Authority Notice D4(T)/2016

Scientific instruments marked by special light buoys, *Fl.3s*, exist in the following positions:

|                             |
|-----------------------------|
| 20° 35'.09 S 116° 40'.50 E  |
| 20° 38'.20 S 116° 43'.97 E  |
| 20° 36'.69 S 116° 45'.12 E. |

**Chart temporarily affected - Aus 58 - Aus 59 - Aus 60**

**476(P)/2016 AUSTRALIA - WESTERN AUSTRALIA - Flinders Bay - Shoaling**  
LADS Flight

Shoaler depths than those charted may exist in the area of Flinders Bay and outlying islands (34° 22'.5 S 115° 13'.0 E).

Charts will updated in due course.

**Chart which will be affected - Aus 116 - Aus 335 - Aus 336 - Aus 756 - Aus 757**

**478(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Perth - Scientific instruments westwards**  
CSIRO

Subsurface scientific instruments exist as follows:

| <i>Position</i>            | <i>Remarks</i>         |
|----------------------------|------------------------|
| 31° 38'.80 S 115° 11'.75 E | 20m below the surface  |
| 31° 43'.30 S 115° 24'.00 E | 40m below the surface  |
| 31° 43'.66 S 115° 02'.30 E | 20m below the surface  |
| 31° 46'.23 S 114° 56'.60 E | 300m below the surface |
| 31° 59'.00 S 115° 14'.00 E | 20m below the surface  |
| 31° 59'.38 S 115° 23'.13 E | 20m below the surface  |
| 32° 00'.00 S 115° 24'.00 E | 20m below the surface  |

**Chart temporarily affected - Aus 754**

**480(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Scientific instrument**  
MetOcean Engineers

A subsurface scientific instrument exists 200m below the surface in position 19° 32'.00 S 115° 48'.01 E.

**Chart temporarily affected - Aus 327**

**522(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Light buoy northwestwards**  
*Far Sirius*

A light buoy, *Fl.5s*, exists in position 19° 55'.51 S 115° 08'.07 E. A 2M clearance is requested.

**Chart temporarily affected - Aus 328**

**577(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Goeree Shoal to Browse Island - Scientific instruments**  
MetOcean Engineers

Scientific instruments exist as follows:

| <i>Position</i>            | <i>Remarks</i>                       |
|----------------------------|--------------------------------------|
| 12° 56'.77 S 124° 25'.27 E | special pillar light buoy, Q(5)Y.20s |
| 12° 57'.31 S 124° 25'.21 E | special pillar light buoy, Q(5)Y.20s |
| 12° 58'.53 S 124° 26'.82 E | 10m below the surface                |
| 13° 01'.80 S 124° 18'.24 E | 173m below the surface               |
| 13° 05'.75 S 124° 09'.32 E | 186m below the surface               |
| 13° 14'.52 S 123° 55'.94 E | 194m below the surface               |
| 13° 27'.62 S 123° 39'.73 E | 203m below the surface               |
| 13° 35'.02 S 123° 31'.93 E | 228m below the surface               |
| 13° 37'.24 S 123° 29'.57 E | 264m below the surface               |
| 13° 45'.54 S 123° 20'.78 E | 10m below the surface                |

**Chart temporarily affected - Aus 319**

**582(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Success Bank - Obstructions**  
Department of Transport WA Notice 73/2015

Obstructions, 1m above the seabed, exist in the following positions:

32° 04'.81 S 115° 40'.33 E  
32° 04'.60 S 115° 40'.09 E  
32° 04'.26 S 115° 40'.01 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 112 - Aus 117**

**682(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Port Walcott - Bass Pass - Light buoy unreliable**

Department of Transport WA Notice 31/2016

The west cardinal light buoy, Q(9)15s No60 (20° 27'.44 S 117° 27'.20 E), is unreliable.

**Chart temporarily affected - Aus 55 - Aus 740**

**731(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Scientific instruments southwestwards**

Former Notice - 701(T)/2015 is cancelled

A McCarthy, MetOcean Engineers

Subsurface scientific instruments exist 80m below the surface in the following positions:

19° 56'.34 S 115° 23'.38 E

19° 56'.46 S 115° 23'.29 E.

**Chart temporarily affected - Aus 327 - Aus 328**

**776(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Pipeline operations northwestwards**

Former Notice - 417(T)/2016 is cancelled

Wilhelmsen Ships Service Pty Ltd

Vessels *Pacific Rover*, *Pacific Responder* and *Pacific Viper* are conducting pipeline installation works in the vicinity of position 13° 49'.25 S 123° 15'.27 E.

Lit mooring buoys, *Fl. Y. 5s*, exist in the following positions:

13° 43'.64 S 123° 16'.63 E

13° 43'.64 S 123° 17'.74 E

13° 43'.64 S 123° 18'.87 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 319 - Aus 320**

**777(P)/2016 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Conzinc Island to Mermaid Strait - Shoaling**

Pilbara Ports Authority

Shoaling, with least depth 9.0m (20° 32'.40 S 116° 45'.01 E), exists in the southern section of the spoil ground.

Shoaling exists which has extended the 10m bank southeastwards, with least depths as follows:

| Depth | Position                    |
|-------|-----------------------------|
| 9.8m  | 20° 37'.82 S 116° 40'.30 E  |
| 10m   | 20° 37'.72 S 116° 40'.49 E  |
| 9.9m  | 20° 37'.56 S 116° 40'.62 E  |
| 10m   | 20° 37'.40 S 116° 40'.96 E  |
| 10m   | 20° 37'.10 S 116° 41'.15 E  |
| 9.9m  | 20° 37'.01 S 116° 41'.17 E. |

Shoaling has extended the 10m bank westwards, with a depth of 9.9m marking the western limit in position 20° 37'.74 S 116° 41'.14 E.

Shoaling with least depths exist as follows:

| Depth | Position                    |
|-------|-----------------------------|
| 4.8m  | 20° 37'.72 S 116° 36'.78 E  |
| 7.9m  | 20° 38'.77 S 116° 27'.53 E. |

*Note:* Charts to be updated in due course.

**Chart which will be affected - Aus 57 - Aus 58 - Aus 60 - Aus 741 - Aus 742**

**841(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Light buoy established**

Department of Transport WA Notice 82/2016

A special spar light buoy, *Fl. Y. 4s*, exists in position 32° 02'.26 S 115° 44'.56 E.

**Chart temporarily affected - Aus 112 - Aus 113**

**843(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Mandurah - Harbour works**

Department of Transport WA Notice 72/2016

Construction works for the new Mandurah traffic bridge and demolition of the existing bridge (32° 32'.11 S 115° 43'.07 E) are in progress.

During the works, alterations and intermittent closures of the bridge navigation spans will occur, with the anchor points of the barge at times encroaching into the navigable channel. The anchors will be marked by special buoys.

An exclusion zone, marked by special light buoys, exists around the barge *Swiber 122*.

All vessels will display appropriate lights and shapes and monitor VHF Ch 74.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 116**

**846(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rottnest Island - Point Clune - Light buoy off station**

Department of Transport WA Notice 75/2016

The port lateral light buoy, *Fl.R.3s* (31° 59'.12 S 115° 31'.37 E), is off station.

**Chart temporarily affected - Aus 112**

**939(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Finucane Island to Weerde Island - Scientific instruments northwards**

Pilbara Ports Authority Notice PH7(T)/2016

Special light buoys, Q.Y, exist in positions 20° 16'.10 S 118° 33'.95 E and 20° 16'.57 S 118° 28'.52 E.

**Chart temporarily affected - Aus 52 - Aus 53 - Aus 54 - Aus 739 - Aus 740**

**940(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Five Fathom Bank - Scientific instrument**

Carnegie Wave Energy Ltd

A subsurface scientific instrument exists in position 32° 14'.88 S 115° 35'.41 E.

**Chart temporarily affected - Aus 754 - Aus 755**

**941(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Dredging operations**

Pilbara Ports Authority Notice PH8(T)/2016

The dredge *Juan Sebastian De Elcano* and support vessels *Reliance* and *Go Puriya* are conducting dredging operations in the inner harbour, swing basin, berth pockets and the main shipping channel.

Information about the operations and associated vessels can be obtained by contacting Port Hedland VTS on VHF Ch 12 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 52 - Aus 53 - Aus 54**

**988(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Carnarvon - Teggs Channel - Obstruction**

Department of Transport WA Notice 85/2016

An obstruction exists in position 24° 54'.40 S 113° 38'.38 E.

**Chart temporarily affected - Aus 73**

**989(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Exmouth - Harbour works**

Department of Transport WA Notice 89/2016

Harbour works associated with the upgrade of the service wharf and modification of the southern breakwater are in progress in Exmouth Boat Harbour (21° 57'.39 S 114° 08'.54 E).

Works will be in an area marked by special light buoys, Q.Y. Unlit piles exist in the works area.

The barge *Semp* and support vessels are on site.

The port lateral light beacon, *Fl.R.3s* (21° 57'.43 S 114° 08'.54 E), has been temporarily removed and replaced with a port buoy.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 72**

**990(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Swan River - Wreck**

Department of Transport WA Notice 84/2016

A wreck exists in position 32° 02'.14 S 115° 45'.73 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 112 - Aus 113**

**991(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Jurien Bay - Dredging operations**

Department of Transport WA Notice 88/2016

The dredge *Cooper II* is conducting dredging operations in the entrance to Jurien Boat Harbour (30° 17'.3 S 115° 02'.4 E).

A pipeline marked by orange buoys and lights is connected to the dredge.

The dredge will display appropriate lights and shapes.

Mariners are required to contact the dredge on VHF Ch 16 and Ch 21 or 27 MHz Ch 88 and Ch 91 prior to passing the dredge and are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 84**

**1042(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Subsea works northwestwards**

Former Notice - 613(T)/2016 is cancelled

McDermott Australia

Vessels *Loch Seaforth*, *LV108* and *DLV 2000* and support vessels are conducting subsea operations in an area bounded by the following positions:

14° 00'.0 S 123° 05'.0 E

14° 00'.0 S 123° 20'.0 E

13° 44'.0 S 123° 20'.0 E

13° 44'.0 S 123° 05'.0 E.

Mariners are advised to navigate with caution in the area. 2.5M clearance requested.

**Chart temporarily affected - Aus 319 - Aus 320 - Aus 322 - Aus 4721 (INT 721) - Aus 4722 (INT 722)**

**1043(P)/2016 AUSTRALIA - WESTERN AUSTRALIA - Hall Point to Raft Point - Shoaling**

HMAS *Benalla*

Latest survey shows shoaler depths than those charted may exist between Hall Point (15° 40'.30 S 124° 22'.16 E), Mulgudna Island (16° 03'.19 S 124° 18'.41 E) and Raft Point (16° 04'.03 S 124° 26'.84 E).

Charts will updated in due course.

**Chart which will be affected - Aus 320 - Aus 323 - Aus 730 - Aus 732**

**1083(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instrument**

Chevron Australia Pty Ltd

A special buoy, *Fl.Y.10s*, exists in position 20° 47'.66 S 115° 29'.24 E.

**Chart temporarily affected - Aus 65 - Aus 66**

**1086(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Rio Tinto Channel - Dredging operations**

Pilbara Ports Authority Notice D18(T)/2016

The dredge *Juan Sebastian De Elcano*, support vessel *Reliance* and survey vessel *Alert* are conducting dredging and survey operations in Rio Tinto Channel and berths (20° 35'.0 S 116° 41'.8 E).

Vessels will monitor VHF Ch 11 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 58 - Aus 59 - Aus 60**

**1089(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Muiron Islands - Subsea works northwestwards**

Quadrant Energy

Vessel *SapuraKencana Constructor* is conducting subsea operations in an area bounded by the following positions:

21° 25'.07 S 114° 03'.71 E

21° 25'.07 S 114° 06'.30 E

21° 19'.91 S 114° 06'.30 E

21° 19'.91 S 114° 03'.71 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 328 - Aus 329 - Aus 744 - Aus 4723 (INT 723) - Aus 4725 (INT 725)**

**1091(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Hunt Point - Dredging operations**

Former Notice - 996(T)/2016 is cancelled

Pilbara Ports Authority Notice PH9(T)/2016, PH13/2016

Vessel *Daintree* is conducting survey operations and the dredge *FT3*, barges and support vessels *Quenda* and *Wiabuna* are conducting dredging operations in the vicinity of position 20° 18'.20 S 118° 34'.36 E.

Vessels will monitor VHF Ch 12 and Ch 16.

Special buoys exist in the following positions:

20° 18'.32 S 118° 34'.48 E

20° 18'.31 S 118° 34'.41 E

20° 18'.28 S 118° 34'.35 E

20° 18'.39 S 118° 34'.30 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 52 - Aus 53 - Aus 54**

**1092(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Port Walcott - Outer North Channel - Tide gauge**

Australian Maritime Safety Authority Auscoast Warning 288/2016

A tide gauge marked by a special light buoy, *Q*, exists in position 20° 24'.95 S 117° 23'.35 E.

**Chart temporarily affected - Aus 55 - Aus 326 - Aus 740**

**1095(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Thevenard Island - Well plug and abandonment works**

Pilbara Ports Authority Notice A12(T)/2016, Department of Transport WA Notice 107/2016

Jack-up rig *Ensco 107* is conducting well plug and abandonment works at the following locations:

| Platform     | Position                   |
|--------------|----------------------------|
| Australind-1 | 21° 24'.82 S 115° 02'.38 E |
| Saladin A    | 21° 26'.42 S 115° 03'.25 E |
| Saladin B    | 21° 26'.74 S 115° 02'.44 E |
| Saladin C    | 21° 28'.77 S 115° 00'.50 E |

|            |                            |
|------------|----------------------------|
| Yammaderry | 21° 29'.37 S 114° 59'.41 E |
| Cowle      | 21° 31'.33 S 114° 58'.18 E |
| Skate      | 21° 35'.82 S 114° 58'.81 E |
| Roller C   | 21° 36'.94 S 114° 56'.55 E |
| Roller B   | 21° 38'.17 S 114° 55'.43 E |
| Roller A   | 21° 38'.41 S 114° 54'.41 E |

All vessels will display appropriate lights and shapes and monitor VHF Ch 14 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 64 - Aus 328 - Aus 743 - Aus 744 - Aus 4723 (INT 723) - Aus 4725 (INT 725)**

**1127(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Scientific instruments**

Pilbara Ports Authority Notice PH14(T)/2016

Subsurface scientific instruments exist in the following positions:

20° 14'.41 S 118° 35'.38 E  
 20° 18'.34 S 118° 34'.49 E  
 20° 19'.06 S 118° 34'.40 E  
 20° 19'.49 S 118° 34'.40 E  
 20° 19'.85 S 118° 35'.10 E.

**Chart temporarily affected - Aus 52 - Aus 53 - Aus 54**

**1129(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Safety Bay - Dredging operations**

Department of Transport WA Notice 120/2016

The dredge *Swan V* is conducting dredging operations in Safety Bay (32° 18'.5 S 115° 43'.1 E).

A floating and submerged pipeline marked by orange light buoys is connected to the dredge.

The dredge will display appropriate lights and shapes.

Mariners are required to contact the dredge on VHF Ch 73, UHF Ch 15 or Marine 27 MHz Ch 90 prior to passing the dredge and are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 116**

**1158(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Bedout Island - Drill rig northwestwards**

Quadrant Energy , MODU *Ocean Monarch*

Drill rig *Ocean Monarch* is conducting drilling operations in position 18° 43'.35 S 118° 43'.38 E.

**Chart temporarily affected - Aus 326 - Aus 4722 (INT 722)**

**1160(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Drill rig northwestwards**

MODU *ENSCO 5006*

Drill rig *ENSCO 5006* is conducting drilling operations in position 13° 52'.76 S 123° 19'.07 E.

**Chart temporarily affected - Aus 319 - Aus 320 - Aus 4721 (INT 721) - Aus 4722 (INT 722)**

**1162(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Onslow - Beadon Creek - Scientific instruments**

*Former Notice - 1090(T)/2016 is cancelled*

Department of Transport WA Notice 108/2016

Scientific instruments marked by orange buoys exist in the following positions:

21° 38'.37 S 115° 07'.97 E  
 21° 38'.53 S 115° 07'.92 E  
 21° 38'.67 S 115° 07'.92 E  
 21° 38'.73 S 115° 07'.89 E  
 21° 38'.87 S 115° 07'.94 E  
 21° 39'.21 S 115° 07'.92 E.

**Chart temporarily affected - Aus 69**

**1163(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Subsea operations southwestwards**  
Technip

MV *Deep Orient* and support vessels *Miclyn Monarch 1*, *Westsea 98*, *Mermaid Searcher* and *Bhagwan Stallion* will commence subsea operations on 10 November 2016 in position 19° 54'.18 S 115° 16'.67 E.

**Chart temporarily affected - Aus 328 - Aus 4723 (INT 723)**

**1164(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Drill rig eastwards**

*Former Notice - 728(T)/2016 is cancelled*

Woodside Energy Ltd , MODU *Atwood Osprey*

Drill rig *Atwood Osprey* is conducting drilling operations in position 19° 45'.47 S 115° 47'.12 E.

**Chart temporarily affected - Aus 327 - Aus 4723 (INT 723)**

**1189(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Survey operations southwestwards**

Blue Ocean Monitoring

An AUV is operating in an area bounded by the following positions:

19° 53'.07 S 115° 19'.44 E  
19° 58'.02 S 115° 19'.08 E  
19° 58'.54 S 115° 26'.71 E  
19° 53'.62 S 115° 27'.06 E.

**Chart temporarily affected - Aus 327 - Aus 328 - Aus 4723 (INT 723)**

**1211(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Seismic survey westwards**

*Former Notice - 1188(T)/2016 is cancelled*

Schlumberger

Survey vessel, *Amazon Conqueror*, with an 8000m towed array is conducting a survey in an area bounded by the following positions:

21° 34'.61 S 114° 21'.62 E  
21° 39'.92 S 114° 15'.08 E  
21° 39'.91 S 113° 01'.86 E  
21° 30'.01 S 112° 59'.98 E  
21° 20'.08 S 113° 00'.12 E  
20° 29'.75 S 113° 34'.93 E  
19° 59'.95 S 113° 35'.07 E  
19° 34'.99 S 113° 54'.92 E  
19° 40'.19 S 115° 05'.63 E  
20° 29'.84 S 114° 56'.78 E  
20° 58'.63 S 114° 56'.82 E  
20° 58'.66 S 114° 53'.86 E  
21° 04'.92 S 114° 53'.79 E  
21° 04'.91 S 114° 47'.32 E  
21° 29'.29 S 114° 43'.25 E.

Mariners are advised to navigate with caution in the area. 6.5M clearance requested.

**Chart temporarily affected - Aus 328 - Aus 329 - Aus 743 - Aus 744 - Aus 4060 (INT 60) - Aus 4070 (INT 70) - Aus 4071 (INT 71) - Aus 4708 (INT 708) - Aus 4723 (INT 723) - Aus 4725 (INT 725)**

**1214(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Busselton - Port Geographe Marina - Seagrass wrack; dredging operations**

*Former Notice - 1085(T)/2016 is cancelled*

Department of Transport WA Notice 103/2016

Mobile seagrass wrack, which may reduce depths, exists in the entrance to Port Geographe Marina.

The dredge *Mudlark I* is conducting dredging operations in the approach channel and entrance channel to the marina (33° 37'.79 S 115° 23'.24 E). A floating pipeline marked by special lights exists from the dredge.

The dredge and pipeline may obstruct the channel during operations and in these instances mariners traversing the area are

requested to contact the dredge prior to passing.

The dredge will display appropriate lights and shapes and will monitor VHF Ch 16 or Marine 27 MHz Ch 88.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 116**

**1215(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Onslow - Dredging operations**

Department of Transport WA Notice 135/2016

Dredging operations are in progress in the vicinity of the Salt Export Facility (21° 37'.5 S 115° 05'.8 E), shipping channel (21° 35'.7 S 115° 05'.0 E) and spoil ground (21° 34'.5 S 115° 05'.5 E).

Vessels 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 64 - Aus 69**

**1216(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Drill rig northeastwards**

MODU *Ocean Apex*, Woodside Energy Ltd

Drill rig *Ocean Apex* is conducting drilling operations in position 19° 43'.00 S 115° 48'.92 E.

**Chart temporarily affected - Aus 327 - Aus 4723 (INT 723)**

## **SOUTH AUSTRALIA**

### **720(T)/2008 AUSTRALIA - SOUTH AUSTRALIA - Port Adelaide - Shoaling**

*Former Notice* - 240(T)/2006 is cancelled

Department for Transport, Energy and Infrastructure Notice 38/2007

Silting has resulted in width restrictions being imposed in the main channel of the Port Adelaide River between No 40 beacon (34° 47'.86 S 138° 30'.79 E) and No 41 beacon (34° 48'.52 S 138° 30'.77 E).

Mariners should avoid the western side of the main channel and navigate with caution in this part of the River as the available navigable channel is now only 90 metres wide measured from the eastern edge.

Mariners intending to transit this section should contact the Manager Marine Operations, Flinders Ports Pty Ltd on (08) 8447 0622 to confirm maximum widths.

**Chart temporarily affected - Aus 137**

### **1099(T)/2014 AUSTRALIA - SOUTH AUSTRALIA - Whyalla - Light beacon destroyed**

Department of Planning, Transport and Infrastructure SA Notice 42/2014

No4 port lateral light beacon, *F.R* (33° 01'.66 S 137° 36'.71 E), has been destroyed; a port lateral light buoy, *F.R*, exists in situ.

**Chart temporarily affected - Aus 135**

### **853(T)/2015 AUSTRALIA - SOUTH AUSTRALIA - Port Adelaide - Light beacon damaged; light buoy established**

Department of Planning, Transport and Infrastructure SA Notice 17/2015

The starboard lateral light beacon, *Fl.G.2s No3*, (34°47'.08 S 138°23'.64 E) is damaged; a special light buoy, *Fl.3s*, exists in situ.

**Chart temporarily affected - Aus 130 - Aus 138**

### **322(T)/2016 AUSTRALIA - SOUTH AUSTRALIA - Thevenard - Yatala Channel - Light beacon destroyed**

Department of Planning, Transport and Infrastructure SA Notice 4/2016

The port lateral light beacon, *Fl.R.2s No8* (32° 11'.07 S 133° 36'.46 E), has been destroyed; a special light buoy, *Q.Y*, exists in situ.

**Chart temporarily affected - Aus 122**

### **483(T)/2016 AUSTRALIA - SOUTH AUSTRALIA - Whyalla - Light beacon destroyed**

*Former Notice* - 323(T)/2016 is cancelled

Department of Planning, Transport and Infrastructure SA Notice 3/2016, 9/2016

The starboard lateral light beacon, *F.G No11* (33° 02'.06 S 137° 35'.95 E) has been destroyed; a special light buoy, *Fl.Y.3s*, exists in situ.

**Chart temporarily affected - Aus 135**

### **619(T)/2016 AUSTRALIA - SOUTH AUSTRALIA - Fleurieu Peninsula - Haycock Point - Hulk; prohibited area**

*Former Notice* - 938(T)/2014 is cancelled

Department of Planning, Transport and Infrastructure SA Notices 37/2014, 15/2016

A stranded hulk exists in position 35° 25'.23 S 138° 18'.33 E.

A prohibited area, marked by special buoys, exists in an area bounded by the following positions:

35° 25'.15 S 138° 18'.28 E

35° 25'.17 S 138° 18'.42 E

35° 25'.32 S 138° 18'.39 E

35° 25'.29 S 138° 18'.26 E.

**Chart temporarily affected - Aus 485 - Aus 780**

**620(T)/2016 AUSTRALIA - SOUTH AUSTRALIA - Port Pirie - Harbour works**

Department of Planning, Transport and Infrastructure SA Notice 12/2016

Works are in progress in the vicinity of position 33° 10'.20 S 138° 00'.81 E.

An exclusion zone marked by special buoys exists in the area.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 136**

**1000(T)/2016 AUSTRALIA - SOUTH AUSTRALIA - Glenelg - Shoaling; dredging operations**

Department of Planning, Transport and Infrastructure SA Notice 23/2016

Shoaling exists in the entrance channel to Holdfast Shores (34° 58'.42 S 138° 30'.51 E) and Adelaide Shores (34° 57'.39 S 138° 30'.19 E).

Dredging operations are in progress in the areas.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 125**

**1048(T)/2016 AUSTRALIA - SOUTH AUSTRALIA - Port Adelaide - Obstruction westwards**

Department of Planning, Transport and Infrastructure SA Notice 29/2016

An obstruction exists on the seabed in position 34° 48'.62 S 138° 18'.07 E.

Mariners are advised to navigate with caution in the area. 0.5M clearance requested.

**Chart temporarily affected - Aus 130 - Aus 485 - Aus 781**

**1220(T)/2016 AUSTRALIA - SOUTH AUSTRALIA - Port Adelaide - North Haven - Dredging operations**

Department of Planning, Transport and Infrastructure SA Notice 37/2016

Significant shoaling exists and dredging operations are in progress in the entrance channel to Gulf Point Marina (34° 47'.7 S 138° 28'.9 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 130 - Aus 137**

**1221(T)/2016 AUSTRALIA - SOUTH AUSTRALIA - Port Adelaide - Light beacon destroyed**

Department of Planning, Transport and Infrastructure SA Notice 34/2016

The light beacon, *F.Bu & Fl.Bu.2s* (34° 46'.74 S 138° 21'.81 E), has been destroyed; a special light buoy, *Fl.Y*, exists in situ.

**Chart temporarily affected - Aus 130 - Aus 138**

## VICTORIA

### **514(T)/2008 AUSTRALIA - VICTORIA - Western Port - Phillip Island - Shoaling northwards**

Victorian Notice 64(T)/2008

Shoaling, least depth *13.4 metres*, exists at position 38° 25'.53 S 145° 13'.90 E extending 100 metres into the shipping channel .

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 150 - Aus 151**

### **434(T)/2014 AUSTRALIA - BASS STRAIT - Light unlit**

AMSA

The light, *Mo(U)15s* (38° 11'.23 S 148° 23'.23 E), is unlit.

**Chart temporarily affected - Aus 357 - Aus 4644 (INT 644)**

### **563(T)/2015 AUSTRALIA - VICTORIA - Port Welshpool - Lewis Channel - Shoaling**

Victorian Notice 088/2015

Shoaling, with a least depth of *1.8m* exists within Lewis Channel between No19 light beacon (38° 42'.47 S 146° 26'.76 E) and No21 light beacon (38° 42'.35 S 146° 27'.17 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 182**

### **703(T)/2015 AUSTRALIA - VICTORIA - Port Phillip - Yarra River - Holden Dock - Harbour works**

Victorian Notices 110(T)/2015

Harbour works are in progress at Holden Dock (37° 49'.44 S 144° 54'.09 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 154**

### **705(T)/2015 AUSTRALIA - VICTORIA - Port Phillip - Maribyrnong River - Harbour works**

Victorian Notices 115(T)/2015

Harbour works are in progress at Maribyrnong Berth 1 (37° 49'.06 S 144° 54'.38 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 154**

### **812(T)/2015 AUSTRALIA - VICTORIA - Port Phillip - Geelong - Point Richards Channel - Shoaling**

Victorian Regional Channels Authority

An *8.1m* shoal exists in position 38° 07'.336 S 144° 33'.131 E.

**Chart temporarily affected - Aus 157**

### **1271(T)/2015 AUSTRALIA - VICTORIA - Cape Reamur - Exclusion zone; light buoy**

Victorian Notice 199/2015, 217/2015

A south cardinal light buoy, *Q(6)+LFl.15s*, exists in position 38° 23'.99 S 142° 10'.36 E.

An exclusion zone of 150m radius exists around the south cardinal buoy for works associated with the installation of a wave generator.

**Chart temporarily affected - Aus 349 - AX 00349S**

**1401(T)/2015 AUSTRALIA - BASS STRAIT - King Island - Scientific instruments**  
Marine and Safety Tasmania Notice M173/2015

Scientific instruments marked by orange buoys exist in the following positions:

39° 56'.59 S 143° 40'.72 E

39° 57'.27 S 143° 40'.87 E

40° 00'.58 S 143° 49'.48 E

**Chart temporarily affected - Aus 487 - Aus 789 - AX 00487S**

**223(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Mornington - Light unlit**  
Parks Victoria Notice 29(T)/2016

The light, Q(2)G.5s (38° 12'.69 S 145° 02'.11 E), is unlit.

**Chart temporarily affected - Aus 143**

**326(T)/2016 AUSTRALIA - VICTORIA - Shoal Inlet - Wreck**  
Gippsland Ports Notice 66/2016

A stranded wreck exists in position 38° 40'.73 S 146° 50'.44 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 181**

**525(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Great Ship Channel - Shoaling**  
*Former Notice - 485(T)/2016 is cancelled*  
Port of Melbourne Corporation Notice 129(T)/2016

Shoaling, with a least depth of 16.4m, exists in position 38° 18'.04 S 144° 37'.71 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 144 - Aus 158**

**621(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Mornington - Light beacon destroyed**  
Parks Victoria Notice 137(T)/2016

The special beacon, Fl.Y.5s (38° 12'.66 S 145° 02'.16 E) has been destroyed.

**Chart temporarily affected - Aus 143**

**622(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Sorrento - Light unlit**  
Parks Victoria Notice 146(T)/2016

The light, F (38° 20'.13 S 144° 44'.73 E), is unlit.

**Chart temporarily affected - Aus 143 - Aus 158**

**735(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Portarlington - Harbour works**  
*Former Notice - 486(T)/2016 is cancelled*  
Parks Victoria Notice 115(T)/2016, 174(T)/2016

Harbour works are in progress and exclusion zones marked by special light buoys, Fl.Y.5s, exist in areas bounded by the following positions:

38° 06'.76 S 144° 39'.39 E

38° 06'.70 S 144° 39'.41 E

38° 06'.60 S 144° 39'.25 E

38° 06'.57 S 144° 39'.26 E

38° 06'.60 S 144° 39'.48 E

38° 06'.67 S 144° 39'.50 E

38° 06'.77 S 144° 39'.47 E;

and

38° 06'.74 S 144° 39'.27 E

38° 06'.69 S 144° 39'.28 E

38° 06'.67 S 144° 39'.13 E

38° 06'.72 S 144° 39'.13 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 143 - Aus 157**

**787(T)/2016 AUSTRALIA - VICTORIA - Lakes Entrance - Reeve Channel - Light buoy off station**

Gippsland Ports Notice 199(T)/2016

The starboard lateral light buoy, *Fl.G.5s No3A* (37° 52'.90 S 147° 57'.04 E), is off station.

**Chart temporarily affected - Aus 182**

**850(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Swanson Dock - Harbour works**

Port of Melbourne Corporation Notice 212(T)/2016

Harbour works are in progress at Swanson Dock East (37° 48'.80 S 144° 54'.88 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 154**

**905(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Mud Islands - Light buoy off station**

Parks Victoria Notice 223(T)/2016

The special light buoy, *Fl(4)Y.12s* (38° 14'.98 S 144° 49'.22 E), is off station.

**Chart temporarily affected - Aus 143 - Aus 158**

**907(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Clifton Springs - Harbour works**

Parks Victoria Notice 226(T)/2016

Harbour works associated with the construction of a boat ramp (38° 09'.32 S 144° 33'.18 E) are in progress.

The area is marked by unlit buoys.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 157**

**908(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Bird Rock - Light beacon unlit**

Parks Victoria Notice 228(T)/2016

The south cardinal light beacon, *Q(6)+LFl.15s* (38° 05'.81 S 144° 26'.33 E) is unlit.

**Chart temporarily affected - Aus 157**

**1001(T)/2016 AUSTRALIA - VICTORIA - Lakes Entrance - Dredging operations**

Gippsland Ports Notice 260(T)/2016

The dredge *Pelican* is conducting dredging operations on the entrance bar to Lakes Entrance (37° 53'.54 S 147° 58'.52 E).

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

Mariners are required to contact the dredge on VHF Ch 16 prior to passing the dredge and are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 182**

**1002(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Port Lonsdale - Light beacon unlit**

Parks Victoria Notice 249(T)/2016

The special light beacon, *Fl.Y.5s* (38° 16'.87 S 144° 37'.74 E), is unlit.

**Chart temporarily affected - Aus 144 - Aus 158**

**1003(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Webb Dock - Light beacon altered**

Port of Melbourne Corporation Notice 237(T)/2016

The starboard lateral light beacon, *F.G & Fl.G.5s No81* (37° 51'.06 S 144° 54'.75 E), has been temporarily altered to *Fl.G.5s*.

**Chart temporarily affected - Aus 154**

**1004(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Corio Bay - Light beacon unlit**

Parks Victoria Notice 242(T)/2016

The port lateral light beacon, *Q.R* (38° 05'.76 S 144° 24'.77 E), is unlit.

**Chart temporarily affected - Aus 157**

**1005(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Portarlington - Light buoys**

Parks Victoria Notice 238(T)/2016

Light buoys exist as follows:

| <i>Position</i>            | <i>Remarks</i>                    |
|----------------------------|-----------------------------------|
| 38° 06'.62 S 144° 39'.26 E | Port lateral, <i>Fl.R.6s</i>      |
| 38° 06'.64 S 144° 39'.23 E | Starboard lateral, <i>Fl.G.6s</i> |

**Chart temporarily affected - Aus 157**

**1007(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Altona - Dredging operations**

Parks Victoria Notice 261(T)/2016

Dredging operations are in progress in the boat harbour (37° 52'.01 S 144° 50'.98 E).

All hazards to navigation will be marked by flashing yellow lights.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 155**

**1053(P)/2016 AUSTRALIA - VICTORIA - The Narrows - Shoaling**

Farren Group

Shoaling which has extended the 2m bank northwestwards exists with least depths as follows:

| <i>Depth</i> | <i>Position</i>            |
|--------------|----------------------------|
| <i>-0.3m</i> | 38° 32'.33 S 145° 21'.21 E |
| <i>0.8m</i>  | 38° 32'.35 S 145° 21'.05 E |
| <i>0.9m</i>  | 38° 32'.22 S 145° 21'.13 E |
| <i>1.4m</i>  | 38° 32'.17 S 145° 21'.28 E |

*Note:* Chart to be updated in due course.

**Chart which will be affected - Aus 150**

**1130(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Patterson River - Dredging operations**

Parks Victoria Notice 294(T)/2016

Dredging operations are in progress in the entrance to Patterson River (38° 04'.41 S 145° 07'.17 E).

All hazards to navigation will display appropriate lights and shapes.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 143**

**1165(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Rye - Buoy off station**

Parks Victoria Notice 292(T)/2016

The port lateral buoy (38° 22'.10 S 144° 49'.31 E) is off station.

**Chart temporarily affected - Aus 158**

**1166(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Geelong - Barge**

Parks Victoria Notice 302(T)/2016

A barge is moored in position 38° 08'.57 S 144° 21'.76 E.

Submerged cables marked by special buoys exist between the pier and the barge.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 153**

**1191(T)/2016 AUSTRALIA - VICTORIA - Cape Otway - Seismic survey westwards**

Australian Maritime Safety Authority Auscoast 315/16

Vessel *Polarcus Amani* is conducting a survey in an area bounded by the following positions:

39° 13'.0 S 142° 56'.0 E

39° 13'.0 S 143° 20'.0 E

38° 47'.0 S 143° 20'.0 E

38° 47'.0 S 142° 56'.0 E.

**Chart temporarily affected - Aus 349 - Aus 487 - Aus 787 - Aus 4728 (INT 728)**

**1192(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Geelong - Rippleside Pier - Harbour works**

*Former Notice - 1006(T)/2016 is cancelled*

Victorian Regional Channels Authority Notice 316/2016

Harbour works associated with the construction of the new Balmoral Quay are in progress, which involves demolition and construction of Rippleside Pier (38° 07'.57 S 144° 21'.60 E).

A 15m exclusion zone exists around the pier.

Mariners are advised to keep clear and navigate with caution in the area.

**Chart temporarily affected - Aus 153**

**1193(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Sorrento - Dredging operations**

Parks Victoria Notice 313(T)/2016

Dredging operations are in progress in the vicinity of position 38° 20'.08 S 144° 44'.63 E.

All hazards to navigation will display appropriate lights and shapes.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 143**

**1222(T)/2016 AUSTRALIA - VICTORIA - Lakes Entrance - Reeve Channel - Light beacon destroyed**

Gippsland Ports Notice 293(T)/2016

The starboard lateral light beacon, Q.G (37° 52'.87 S 147° 57'.25 E), has been destroyed; a starboard lateral light buoy, Q.G, exists in situ.

**Chart temporarily affected - Aus 182**

**1223(T)/2016 AUSTRALIA - VICTORIA - Western Port - Stony Point - Shoaling southeastwards**

LINX Cargo Care Group Notice 331/2016

Shoaling, with depths less than *13.7 metres*, exists in the vicinity of position 38° 22'.68 S 145° 14'.78 E extending 80 metres into the shipping channel.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 150 - Aus 151**

## TASMANIA

### **576(T)/2012 AUSTRALIA - TASMANIA - Frederick Henry Bay - Scientific instruments**

*Former Notice* - 1229(T)/2011 is cancelled

Marine and Safety Tasmania

Scientific instruments marked by special conical light buoys exist as follows:

| <i>Position</i>          | <i>Characteristic</i> |
|--------------------------|-----------------------|
| 42° 56'.2 S 147° 37'.2 E | <i>Iso.4s</i>         |
| 42° 58'.2 S 147° 34'.0 E | <i>Oc.3s.</i>         |

**Chart temporarily affected - Aus 171 - Aus 796**

### **1103(T)/2014 AUSTRALIA - TASMANIA - Mercury Passage - Obstructions**

*Former Notice* - 1046(T)/2014 is cancelled

Marine and Safety Tasmania Notice M108/2014

Obstructions, 2m above the seabed, exist in an area bounded by the following positions:

42° 38'.92 S 148° 00'.76 E  
42° 38'.92 S 148° 00'.93 E  
42° 38'.78 S 148° 00'.93 E  
42° 38'.78 S 148° 00'.76 E.

Anchoring is prohibited in the area.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 170 - Aus 766 - Aus 797**

### **601(T)/2015 AUSTRALIA - TASMANIA - Franklin Sound - Lady Barron - Shoaling; light unreliable**

*Former Notice* - 201(T)/2014 is cancelled

Marine and Safety Tasmania Notice M074/2015

Mariners are advised that shoaling exists along the centre line of the lead lights, *F.WRG.48m 10M* (40° 12'.45 S 148° 14.76 E). The lights should not be relied upon for safe navigation.

Mariners should seek local knowledge prior to transiting through and are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 179 - Aus 800**

### **166(T)/2016 AUSTRALIA - TASMANIA - Cape Barren Island - Scientific instruments**

*Former Notice* - 1074(T)/2013 is cancelled

Institute for Marine and Antarctic Studies

Subsurface scientific instruments exist >30m below the surface in the following positions:

40° 27'.58 S 148° 33'.81 E  
40° 27'.71 S 148° 34'.35 E  
40° 27'.84 S 148° 34'.89 E  
40° 28'.11 S 148° 35'.96 E  
40° 28'.37 S 148° 37'.04 E  
40° 28'.64 S 148° 38'.12 E  
40° 28'.77 S 148° 38'.65 E  
40° 28'.90 S 148° 39'.19 E  
40° 29'.03 S 148° 39'.73 E  
40° 29'.16 S 148° 40'.27 E  
40° 29'.30 S 148° 40'.81 E  
40° 30'.48 S 148° 45'.65 E  
40° 30'.09 S 148° 44'.04 E  
40° 31'.27 S 148° 48'.89 E.

**Chart temporarily affected - Aus 487 - Aus 798 - Aus 800**

### **169(T)/2016 AUSTRALIA - TASMANIA - Macquarie Harbour - Scientific instruments**

*Former Notice* - 329(T)/2015 is cancelled

Institute for Marine and Antarctic Studies

Subsurface scientific instruments, marked by subsurface buoys 3m above the seabed, exist in the following positions:

42° 22'.59 S 145° 31'.90 E  
42° 23'.78 S 145° 28'.02 E.

**Chart temporarily affected - Aus 177**

**170(T)/2016 AUSTRALIA - TASMANIA - Maria Island - Scientific instruments**

*Former Notice* - 122(T)/2013 is cancelled

Sydney Institute of Marine Science

Subsurface scientific instruments exist on the seabed in the following positions:

42° 40'.08 S 147° 58'.04 E  
42° 39'.99 S 147° 58'.60 E  
42° 39'.91 S 147° 59'.16 E  
42° 39'.82 S 147° 59'.72 E  
42° 39'.74 S 148° 00'.28 E.

Subsurface scientific instruments exist 30m below the surface in the following positions:

42° 39'.08 S 148° 10'.40 E  
42° 39'.28 S 148° 10'.92 E  
42° 39'.48 S 148° 11'.44 E  
42° 39'.68 S 148° 11'.96 E  
42° 39'.88 S 148° 12'.49 E  
42° 40'.08 S 148° 13'.01 E  
42° 40'.28 S 148° 13'.53 E  
42° 40'.48 S 148° 14'.05 E  
42° 40'.68 S 148° 14'.57 E  
42° 40'.88 S 148° 15'.10 E  
42° 41'.08 S 148° 15'.62 E  
42° 41'.28 S 148° 16'.14 E  
42° 41'.48 S 148° 16'.66 E  
42° 41'.68 S 148° 17'.18 E  
42° 41'.88 S 148° 17'.71 E  
42° 42'.08 S 148° 18'.23 E  
42° 42'.28 S 148° 18'.75 E  
42° 42'.48 S 148° 19'.27 E  
42° 42'.68 S 148° 19'.79 E  
42° 42'.87 S 148° 20'.32 E  
42° 43'.07 S 148° 20'.84 E  
42° 43'.26 S 148° 21'.26 E.

**Chart temporarily affected - Aus 170 - Aus 766 - Aus 797**

**372(T)/2016 AUSTRALIA - TASMANIA - North West Bay - Mooring area**

Marine and Safety Tasmania Notice M40/2016

A mooring area, marked by special light buoys, exists in an area bounded by the following positions:

43° 02'.75 S 147° 17'.91 E  
43° 02'.66 S 147° 18'.04 E  
43° 02'.74 S 147° 18'.15 E  
43° 02'.82 S 147° 18'.00 E.

Mariners are advised to navigate with caution and to keep outside the area.

**Chart temporarily affected - Aus 171 - Aus 174**

**587(T)/2016 AUSTRALIA - TASMANIA - Hobart - Sullivans Cove - Light**

*Former Notice* - 433(T)/2016 is cancelled

Marine and Safety Tasmania Notice M53/2016

A light, *Fl.Y.4s*, exists in position 42° 53'.059 S 147° 19'.986 E.

**Chart temporarily affected - Aus 172**

**627(T)/2016 AUSTRALIA - TASMANIA - Pipe Clay Head to Pitt Water - Scientific instruments**

*Former Notice* - 309(T)/2014 is cancelled

Subsurface scientific instruments exist in the following positions:

42° 48'.25 S 147° 29'.91 E  
42° 48'.29 S 147° 31'.42 E  
42° 48'.43 S 147° 30'.02 E  
42° 49'.18 S 147° 34'.71 E  
42° 50'.70 S 147° 33'.57 E  
42° 50'.74 S 147° 35'.11 E  
42° 50'.90 S 147° 36'.91 E  
42° 51'.05 S 147° 32'.08 E  
42° 51'.33 S 147° 35'.89 E  
42° 51'.69 S 147° 34'.85 E  
42° 51'.82 S 147° 30'.92 E  
42° 51'.82 S 147° 33'.36 E  
42° 52'.35 S 147° 32'.10 E  
42° 52'.70 S 147° 36'.29 E  
42° 52'.94 S 147° 34'.16 E  
42° 53'.24 S 147° 31'.16 E  
42° 53'.79 S 147° 32'.67 E  
42° 53'.88 S 147° 37'.33 E  
42° 54'.20 S 147° 35'.44 E  
42° 54'.37 S 147° 30'.53 E  
42° 54'.47 S 147° 40'.80 E  
42° 54'.67 S 147° 33'.87 E  
42° 54'.92 S 147° 40'.78 E  
42° 55'.13 S 147° 31'.80 E  
42° 55'.36 S 147° 40'.76 E  
42° 55'.81 S 147° 40'.74 E  
42° 56'.99 S 147° 39'.68 E  
42° 57'.04 S 147° 38'.01 E  
42° 57'.15 S 147° 39'.22 E  
42° 57'.15 S 147° 37'.41 E  
42° 57'.28 S 147° 36'.79 E  
42° 57'.40 S 147° 36'.20 E  
42° 57'.51 S 147° 35'.59 E  
42° 57'.62 S 147° 34'.99 E  
42° 57'.73 S 147° 34'.44 E  
42° 57'.86 S 147° 33'.85 E  
42° 57'.96 S 147° 33'.30 E.

**Chart temporarily affected - Aus 171 - Aus 796**

**799(T)/2016 AUSTRALIA - TASMANIA - River Tamar - Loch Lea - Light beacon damaged**

*Former Notice* - 691(T)/2016 is cancelled

Marine and Safety Tasmania Notice M103/2016

The port lateral light beacon, *Fl.R.3s 3M No22* (41° 20'.64 S 147° 01'.97 E), is damaged and unlit; a port lateral pillar light buoy, *Fl.R.3s*, exists in position 41° 20'.65 S 147° 01'.98 E.

**Chart temporarily affected - Aus 168**

**855(T)/2016 AUSTRALIA - TASMANIA - Devonport - Mersey River - Obstruction**

Marine and Safety Tasmania Notice M135/2016

An underwater obstruction, marked by an orange buoy, exists in the vicinity of the old Mersey Yacht Club pontoon (41° 11'.39 S 146° 22'.15 E).

**Chart temporarily affected - Aus 164**

**944(T)/2016 AUSTRALIA - TASMANIA - Devonport - Light beacon destroyed**

*Former Notice* - 686(T)/2016 is cancelled

Marine and Safety Tasmania Notice M92/2016, M144/2016

The port lateral light beacon, *Fl.R.1.5s* (41° 11'.17 S 146° 21'.94 E), has been destroyed; a special light buoy, *Fl.Y.5s*, exists in situ.

**Chart temporarily affected - Aus 164**

**945(T)/2016 AUSTRALIA - TASMANIA - Hobart - Sullivans Cove - Harbour works**

*Former Notice - 912(T)/2016 is cancelled*

Marine and Safety Tasmania Notice M140/2016

Harbour works are in progress in the vicinity of Princes Wharf No 3 berth (42° 53'.15 S 147° 20'.20 E).

Special buoys exist in the following positions:

42° 53'.155 S 147° 20'.244 E

42° 53'.154 S 147° 20'.227 E

42° 53'.153 S 147° 20'.209 E

42° 53'.153 S 147° 20'.191 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 172**

**1009(T)/2016 AUSTRALIA - TASMANIA - Bruny Island - Adventure Bay - Scientific instruments southeastwards**

Marine and Safety Tasmania Notice M139/2016

Subsurface scientific instruments marked by orange buoys exist in the following positions:

43° 22'.66 S 147° 35'.69 E

43° 23'.33 S 147° 35'.60 E

43° 18'.59 S 147° 22'.73 E

43° 18'.16 S 147° 22'.78 E

43° 22'.40 S 147° 36'.01 E.

**Chart temporarily affected - Aus 173 - Aus 795 - Aus 796**

**1010(T)/2016 AUSTRALIA - TASMANIA - Eddystone Point - Scientific instruments southeastwards**

Marine and Safety Tasmania Notice M139/2016

Four subsurface scientific instruments marked by orange buoys exist in the vicinity of each of the following positions:

41° 01'.97 S 148° 30'.58 E

41° 02'.28 S 148° 21'.52 E.

**Chart temporarily affected - Aus 767 - Aus 798**

**1011(T)/2016 AUSTRALIA - TASMANIA - Flying Cloud Point - Scientific instruments westwards**

Marine and Safety Tasmania Notice M139/2016

Four subsurface scientific instruments marked by orange buoys exist in the vicinity of each of the following positions:

43° 27'.50 S 145° 58'.12 E

43° 27'.92 S 145° 54'.42 E.

**Chart temporarily affected - Aus 793**

**1055(T)/2016 AUSTRALIA - TASMANIA - Recherche Bay - Scientific instrument**

Marine and Safety Tasmania Notice M158/2016

A special spherical light buoy, *F(5)Y.20s*, exists in position 43° 34'.41 S 146° 56'.90 E.

**Chart temporarily affected - Aus 173 - Aus 174 - Aus 794 - Aus 795**

**1056(T)/2016 AUSTRALIA - TASMANIA - River Derwent - Tasman Bridge - Works**

Marine and Safety Tasmania Notice M160/2016

Works on the Tasman Bridge are in progress, starting under the eastern secondary span (42° 51'.88 S 147° 20'.77 E) progressing eastwards.

Spans subject to maintenance will be marked by special buoys and vessels will be unable to transit that span.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 171 - Aus 172**

**1057(T)/2016 AUSTRALIA - TASMANIA - Storm Bay - Scientific instrument**  
Marine and Safety Tasmania Notice M155/2016

A special light buoy exists in position 43° 06'.85 S 147° 25'.54 E.

**Chart temporarily affected - Aus 171 - Aus 173 - Aus 795 - Aus 796**

**1194(T)/2016 AUSTRALIA - TASMANIA - Macquarie Harbour - Strahan - Harbour works**  
Marine and Safety Tasmania Notice M187/2016

Works associated with the remediation of the wharf (42° 09'.21 S 145° 19'.75 E) are in progress.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 177**

**1225(T)/2016 AUSTRALIA - TASMANIA - River Tamar - Moriarty Reach - Scientific instruments**  
*Former Notice - 1195(T)/2016 is cancelled*  
Marine and Safety Tasmania Notice M194/2016

A marine current turbine exists on the surface within a 50m radius of position 41° 12'.27 S 146° 54'.95 E.

A subsurface scientific instrument, marked by a special buoy, exists in position 41° 12'.35 S 146° 54'.86 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 168**

## PAPUA NEW GUINEA and SOUTH PACIFIC

**164(T)/2013 PAPUA NEW GUINEA - Nuakata Passage - Oreore Channel - Light beacon destroyed**  
National Maritime Safety Authority PNG Notice 2(T)/2013

The port lateral light beacon, Q.R (10° 13'.69 S 150° 52'.77 E), has been destroyed.

**Chart temporarily affected - Aus 628**

**424(T)/2015 PACIFIC OCEAN - Scientific instruments**  
JAMSTEC

Scientific instruments, Triton buoys, exist as follows:

| Number | Position                   |
|--------|----------------------------|
| 4      | 0° 01'.05 N 156° 02'.53 E  |
| 5      | 2° 01'.03 S 155° 57'.47 E  |
| 9      | 0° 03'.58 N 147° 00'.65 E. |

**Chart temporarily affected - Aus 4604 (INT 604) - Aus 4622 (INT 622) - AX 04604U**

**78(T)/2016 PAPUA NEW GUINEA - Bougainville Island - Lights unlit**

*Former Notice* - 279(T)/2014 is cancelled

National Maritime Safety Authority PNG Notices 22/2011, 46/2011, 52/2011, 34/2015, 35/2015, 37/2015)

The following lights are unlit:

| Location                  | Position                   |
|---------------------------|----------------------------|
| Otua Island (K4886)       | 6° 27'.50 S 155° 58'.40 E  |
| Takanupe Island (K4884.4) | 6° 08'.86 S 155° 34'.31 E  |
| Cape Laverdy (K4884)      | 5° 32'.49 S 155° 03'.88 E. |

**Chart temporarily affected - Aus 399 - Aus 683 - Aus 4622 (INT 622)**

**143(T)/2016 PAPUA NEW GUINEA - Port Moresby - Wrecks**

National Maritime Safety Authority PNG Notice 5(T)/2016

Stranded wrecks exist in position 9° 26'.80 S 147° 08'.45 E.

**Chart temporarily affected - Aus 621 - Aus 622**

**144(P)/2016 PAPUA NEW GUINEA - Port Moresby - Harbour works; horizontal datum error**

Australian Geospatial-Intelligence Organisation

Mariners are advised that new port infrastructure is under construction within Port Moresby including Fairfax Harbour. The coastline is in error by up to 50 metres. The Australian Hydrographic Service will update charts in due course. Mariners are advised to exercise caution when navigating these areas.

**Chart which will be affected - Aus 622**

**975(T)/2016 PAPUA NEW GUINEA - Buka Passage - Light unlit**

*Former Notice* - 607(T)/2016 is cancelled

National Maritime Safety Authority PNG Notice 24(T)/2016

The light, Fl.10s 137m 16M (5° 27'.63 S 154° 38'.06 E), is unlit.

**Chart temporarily affected - Aus 397 - Aus 399 - Aus 684 - Aus 4060 (INT 60) - Aus 4604 (INT 604) - Aus 4622 (INT 622)**

**979(T)/2016 PAPUA NEW GUINEA - Huon Gulf - Lae to Tami Islands - Survey operations**

National Maritime Safety Authority PNG Notice 45(T)/2016

Survey vessel *Harbour Surveyor* and an AUV are conducting survey operations in an area bounded by the following positions:

|                         |
|-------------------------|
| 6° 45'.4 S 147° 58'.0 E |
| 6° 45'.6 S 147° 02'.5 E |

6° 44'.1 S 147° 02'.5 E  
6° 44'.4 S 147° 01'.4 E  
6° 47'.2 S 146° 57'.7 E  
6° 47'.2 S 147° 01'.0 E  
6° 46'.2 S 147° 01'.0 E  
6° 46'.2 S 147° 59'.2 E.

**Chart temporarily affected - Aus 523 - Aus 642 - Aus 643**

**982(T)/2016 PAPUA NEW GUINEA - Rabaul - Light unlit**  
National Maritime Safety Authority PNG Notice 43(T)/2016

The light, *Fl.2s 28m 9M* (4° 11'.94 S 152° 10'.13 E), is unlit.

**Chart temporarily affected - Aus 680**

**1039(T)/2016 PAPUA NEW GUINEA - Port Moresby - Fairfax Harbour - Dredging operations; harbour works**  
*Former Notice - 981(T)/2016 is cancelled*  
National Maritime Safety Authority PNG Notice 44(T)/2016, 49(T)/2016

Dredging operations, land reclamation and harbour works are in progress in Fairfax Harbour (9° 25'.82 S 147° 06'.72 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 621 - Aus 622**

**1123(T)/2016 PAPUA NEW GUINEA - Gulf of Papua to Uluma Reef - Survey operations**  
National Maritime Safety Authority PNG Notice 54(T)/2016, Australian Maritime Safety Authority NAVX 63/2016, Searcher Seismic Pty Ltd

MV *Duke* and BGP *Explorer* are conducting survey operations in an area bounded by the following positions:

9° 59'.27 S 147° 33'.17 E  
8° 07'.81 S 145° 35'.18 E  
7° 56'.37 S 143° 55'.17 E  
9° 40'.80 S 144° 31'.33 E  
12° 15'.00 S 146° 20'.00 E  
12° 15'.00 S 150° 49'.00 E  
10° 47'.50 S 150° 49'.00 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 377 - Aus 378 - Aus 379 - Aus 502 - Aus 505 - Aus 506 - Aus 507 - Aus 508 - Aus 621 - Aus 623 - Aus 625 - Aus 647 - Aus 840 - Aus 4620 (INT 620) - Aus 4621 (INT 621) - Aus 4622 (INT 622)**

EAST TIMOR

NIL

## MISCELLANEOUS

### 1132(T)/2016 NEW ZEALAND - AUSTRALIA - Survey operations

EGS Survey Pty Ltd

MV *Geo Resolution* is conducting survey operations between the following positions:

27° 42'.55 S 168° 49'.07 E  
28° 40'.91 S 169° 31'.98 E  
28° 59'.05 S 170° 12'.05 E  
29° 23'.95 S 170° 36'.26 E  
30° 15'.65 S 170° 55'.88 E  
30° 41'.80 S 171° 20'.84 E  
30° 49'.27 S 171° 37'.65 E  
32° 05'.90 S 173° 14'.44 E  
32° 43'.78 S 174° 16'.63 E  
33° 24'.55 S 174° 51'.27 E  
33° 56'.95 S 175° 00'.96 E  
34° 13'.39 S 174° 57'.96 E  
35° 30'.00 S 175° 05'.16 E  
35° 58'.81 S 174° 51'.30 E  
36° 04'.30 S 174° 35'.58 E.

MV *Geo Resolution* and MV *Arana* are conducting survey operations between the following positions:

26° 19'.66 S 170° 57'.23 E  
26° 42'.09 S 170° 10'.83 E  
28° 36'.93 S 167° 35'.54 E  
28° 53'.50 S 167° 07'.00 E  
31° 35'.41 S 163° 51'.66 E  
32° 28'.49 S 160° 36'.17 E  
32° 49'.46 S 158° 21'.93 E  
33° 37'.23 S 156° 39'.12 E  
34° 12'.37 S 154° 42'.79 E  
34° 17'.55 S 154° 29'.99 E  
34° 25'.78 S 154° 21'.44 E  
34° 32'.41 S 154° 10'.14 E  
34° 41'.74 S 154° 00'.60 E  
34° 50'.22 S 153° 48'.75 E  
34° 52'.90 S 153° 37'.47 E  
34° 50'.61 S 153° 13'.75 E  
34° 44'.56 S 152° 31'.72 E  
34° 33'.29 S 151° 55'.13 E  
34° 26'.77 S 151° 45'.18 E  
34° 22'.07 S 151° 41'.63 E  
34° 18'.02 S 151° 35'.20 E  
34° 10'.41 S 151° 26'.58 E  
33° 58'.00 S 151° 20'.74 E  
33° 55'.81 S 151° 16'.11 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 197 - Aus 198 - Aus 489 - Aus 609 - Aus 808 - Aus 4060 (INT 60) - Aus 4601 (INT 601) - Aus 4602 (INT 602) - Aus 4643 (INT 643)**