

TEMPORARY AND PRELIMINARY NOTICES
In force on 26 August 2016

NEW SOUTH WALES

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

Port of Clarence River (Yamba) 002(T)/2015 (AA784201)

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680(T)/2015 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Dredging operations; light withdrawn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 (AA813226, AA813823)

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The rear lead, *F.Bu* (34° 26'.92 S 150° 53'.70 E) has been temporarily withdrawn.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

Date - Until 30 July 2016

Hornsby Shire Council (SIRF2015000714)

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* (SIRF2015001297)

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

Date - Until 30 June 2017

Sydney Institute of Marine Science (SIRF2016002502)

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

Date - Until 30 June 2017

Sydney Institute of Marine Science (SIRF2016002502)

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

Date - Until 30 November 2016

Port Authority of New South Wales (SIRF2016002552)

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

Date - Until 30 November 2016

Port Authority of New South Wales Notice 6/2016, 7/2016 (SIRF2016003174, SIRF2016003205)

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 (SIRF2016003890)

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 (SIRF2016004055)

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

Date - Until 31 May 2016

Maritime Safety Queensland Notice 235(T)/2016 (SIRF2016004304)

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 (SIRF2016004621)

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 (SIRF2016004944)

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

Chart temporarily affected - Aus 806

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

Port Authority of New South Wales Notice PA0616 (SIRF2016004991)

The Wood Chip Berth (37° 06'.08 S 149° 55'.62 E) has been damaged and a number of submerged structures may be present.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 192

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

HMAS *Gascoyne* (SIRF2016005224)

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

Date - Until 31 October 2016

NSW Roads and Maritime Services Notice SY1617 (SIRF2016005363)

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 (SIRF2016005212), Alcatel-Lucent Submarine Networks (SIRF2015001549)

Vessel *Ile 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 (DSID 3159953)

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

Date - Until 30 September 2016

NSW Roads and Maritime Services Notice NH 1662 (SIRF2016005568), NSW Department of Industry (SIRF2016005632)

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

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 (AA546594)

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 (AA546595)

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 (AA653574)

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 (AA677081)

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 (AA701888)

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 (AA710432)

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 (AA711818)

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 (AA727566)

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

Date - Until 5 November 2015

Maritime Safety Queensland 91(T)/2014 (AA731108)

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 (AA748392, AA748395)

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 (AA756976)

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 (AA764057, AA766111)

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 (AA766840)

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 (AA774860)

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 (AA790169)

The starboard lateral buoy, *Fl. G. 2-5s No 7* (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 (AA799384)

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 No 2</i>
10° 50'.05 S 142° 22'.24 E	<i>Fl. R 2-5s No 4</i>
10° 50'.31 S 142° 22'.24 E	<i>Fl. R 2-5s No 6</i>

Chart temporarily affected - Aus 294

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

Maritime Safety Queensland Notice 166(T)/2015 (AA811483)

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 (AA813083)

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 (AA817937)

The starboard lateral light buoy, *Fl. G. 3s No 13*, (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

Date - Until 7 July 2016

Maritime Safety Queensland Notice 266(T)/2015 (SIRF2015000930), Maritime Operations (SIRF2015000887)

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 (SIRF2015001584)

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

Date - Until 29 February 2016

Maritime Safety Queensland Notice 337(T)/2015 (SIRF2015001917)

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 (SIRF2015002275)

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 (SIRF2016002616)

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 (SIRF2016002585)

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 (SIRF2016002665)

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 (SIRF2016003143)

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 (SIRF2016003258)

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 (SIRF2016003567)

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

300(T)/2016 AUSTRALIA - QUEENSLAND - Weipa - Humbug Point - Harbour works

Date - Until 11 November 2016

Maritime Safety Queensland Notice 72(T)/2016 (SIRF2016003509)

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.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 4

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

Former Notice - 267(T)/2016 is cancelled

Maritime Safety Queensland Notice 73(T)/2016 (SIRF2016003399)

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 (AA769330)

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

Date - Until 31 December 2016

Maritime Safety Queensland Notice 114/2016 (SIRF2016003808)

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 (SIRF2016003718)

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

Date - Until 28 February 2017

Maritime Safety Queensland Notice 213(T)/2016 (SIRF2016004020)

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 (SIRF2016004130)

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 (SIRF2016004098)

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 (SIRF2016004345)

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

566(T)/2016 AUSTRALIA - QUEENSLAND - Brisbane River - Hamilton Reach - Harbour works

Date - Until 2 July 2016

Maritime Safety Queensland Notice 253/2016, 257/2016 (SIRF2016004451, SIRF2016004506)

Works associated with the demolition of Hamilton Wharf 1, 2 and 3 (27° 26'.54 S 153° 04'.34 E) are in progress.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 238

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

Maritime Safety Queensland Notice 249(T)/2015 (SIRF2016004448)

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 (SIRF2016004265)

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, <i>Fl.R.4s No6</i>
19° 15'.94 S 146° 50'.36 E	port lateral light buoy, <i>Fl.R.2.5s No8</i>

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 (SIRF2016004789)

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 (SIRF2016004741, SIRF2016004817)

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

Date - Until 31 January 2017

Maritime Safety Queensland Notices 287, 288(T)/2016 (SIRF2016004930, SIRF2016004924)

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 (SIRF2016004922)

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 (SIRF2016004932)

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

Chart temporarily affected - Aus 819

663(T)/2016 AUSTRALIA - QUEENSLAND - Gold Coast - The Broadwater - Wreck
Maritime Safety Queensland Notice 300(T)/2016 (SIRF2016005023)

A wreck exists in position 27° 57'.88 S 153° 25'.42 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 230

664(T)/2016 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Mary River - Heath Reach - Scientific instrument
Maritime Safety Queensland Notice 286(T)/2016 (SIRF2016004931)

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 (SIRF2016005064)

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 (SIRF2016005067)

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
Date - Until 30 September 2016
Maritime Safety Queensland Notice 306(T)/2016 (SIRF2016005158)

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 (SIRF2016004920)

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

Date - Until 12 August 2016

Maritime Safety Queensland (SIRF2016005072)

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

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

Date - Until 2 August 2016

Maritime Safety Queensland Notice 322(T)/2016 (SIRF2016005477)

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

28° 05'.96 S 153° 29'.07 E

28° 06'.42 S 153° 28'.38 E

28° 06'.59 S 153° 28'.47 E

28° 06'.91 S 153° 28'.69 E.

Chart temporarily affected - Aus 814

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

Maritime Safety Queensland Notice 323(T)/2016 (SIRF2016005547)

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 (SIRF2016005619)

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 (SIRF2016005858)

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

887(T)/2016 AUSTRALIA - QUEENSLAND - Mooloolaba - Dredging

Maritime Safety Queensland Notice 344(T)/2016 (SIRF2016005881)

The dredge *Navua* is conducting dredging operations in the entrance channel (26° 40'.75 S 153° 07'.90 E).

The dredge will display appropriate lights and shapes and will monitor VHF Ch 12, Ch 16 and Ch 73. A floating pipeline exists from the dredge.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 235

888(T)/2016 AUSTRALIA - QUEENSLAND - Moreton Bay - Rous Channel - Shoaling; light buoys repositioned

Former Notice - 785(T)/2014 is cancelled

Maritime Safety Queensland Notice 476/2014, 335/2016 (AA759701, SIRF2016005760)

Shoaling, with depths less than 0.5m, exists within Rous Channel between No1 light buoy (27° 22'.74 S 153° 25'.89 E) and No9 light buoy (27° 23'.09 S 153° 23'.91 E). Light buoys have been repositioned to mark the new channel.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236

891(T)/2016 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Triangular Islands - Military exercise

Date - Until 6 September 2016

Maritime Safety Queensland Notice 347(T)/2016 (SIRF20160019143)

Underwater demolitions will be conducted in the Shoalwater Bay training area during the period 21 August to 5 September 2016.

A marine danger area extends to all waters within a 3M radius of position 22° 23'.58 S 150° 30'.40 E.

There will be safe anchorages available at Freshwater, Port Clinton, West Water Port Clinton, South Arm Port Clinton, Pearl Bay, Island Head Creek and Supply Bay Townshend Island.

Mariners are advised to keep clear of this area throughout the above times.

Chart temporarily affected - Aus 260 - Aus 367 - Aus 822

892(T)/2016 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Live firing

Date - Until 15 September 2016

Maritime Safety Queensland Notice 348(T)/2016 (SIRF2016005909)

Live firing will be conducted in the Shoalwater Bay training area during the period 14 August to 14 September 2016.

A marine danger area extends to all internal waters bounded by the following positions:

22° 35'.87 S 150° 28'.80 E
22° 40'.00 S 150° 38'.00 E
22° 38'.18 S 150° 43'.15 E
22° 37'.35 S 150° 44'.31 E
22° 27'.02 S 150° 34'.98 E
22° 24'.33 S 150° 26'.87 E
22° 23'.84 S 150° 18'.02 E
22° 24'.75 S 150° 17'.35 E.

All waters, creeks, beaches and other areas within the declared marine danger area are not available for access.

There will be safe anchorages available at Freshwater, Port Clinton, West Water Port Clinton, South Arm Port Clinton, Pearl Bay, Island Head Creek and Supply Bay Townshend Island.

Mariners are advised to keep clear of this area throughout the above times.

Chart temporarily affected - Aus 248 - Aus 260 - Aus 261 - Aus 367 - Aus 820 - Aus 822

924(T)/2016 AUSTRALIA - QUEENSLAND - Brisbane River - Hamilton Reach - Harbour works

Maritime Safety Queensland Notice 351(T)/2016 (SIRF2016006030)

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 and buoys exists in the area.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 238

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

Maritime Safety Queensland Notice 363/2016 (SIRF2016006212)

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

Date - Until 13 September 2016

Maritime Safety Queensland Notice 360(T)/2016 (SIRF2016006194)

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

928(T)/2016 AUSTRALIA - QUEENSLAND - Hay Point - Diving operations

Date - Until 10 September 2016

Maritime Safety Queensland Notice 355(T)/2016 (SIRF2016006054)

Diving operations are in progress in the vicinity of the spoil ground (21° 13'.2 S 149° 17'.3 E).

Vessel *Delphi* is on site and will monitor VHF Ch 10 and Ch 16.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 249 - Aus 250

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

Maritime Safety Queensland Notice 350(T)/2016 (SIRF2016006031)

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

NORTHERN TERRITORY

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

Former Notice - 671(T)/2008 is cancelled

Modec Management Services (AA384494)

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

910(T)/2012 AUSTRALIA - NORTHERN TERRITORY - Darwin - Cossack Creek - Obstruction

Darwin Port Corporation Notice 103/2012 (AA622006)

An obstruction exists in position 12° 31'.37 S 130 54'.08 E.

Chart temporarily affected - Aus 28

919(T)/2013 AUSTRALIA - NORTHERN TERRITORY - Darwin - Weed Reef to Elizabeth River - Scientific instruments

Former Notices - 410(T)/2013, 654(T)/2013 are cancelled

Darwin Port Corporation Notice 145(T)/2013 (AA692841)

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

12° 29'.39 S 130° 48'.12 E.

12° 29'.84 S 130° 52'.40 E

12° 30'.19 S 130° 53'.85 E

12° 32'.88 S 130° 50'.75 E.

Special conical light buoys, *Fl. Y. 6s*, exist in the following positions:

12° 29'.82 S 130° 53'.10 E

12° 29'.94 S 130° 52'.46 E

12° 31'.77 S 130° 56'.14 E

12° 32'.91 S 130° 52'.51 E.

Chart temporarily affected - Aus 24 - Aus 26 - Aus 27 - Aus 28 - AX 00026T

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 (AA754265)

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 (AA770345)

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 (AA777840)

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 (AA670992, AA788527)

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 (AA801793)

Scientific instruments, Triton buoys, exist as follows:

<i>Number</i>	<i>Position</i>
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 (SIRF2015000387)

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 Notice96(T)/2015 (SIRF2015000386)

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

414(T)/2016 AUSTRALIA - NORTHERN TERRITORY - WESTERN AUSTRALIA - Darwin to Port Hedland - Cable operations

Gulf Agency Company (Australia) (SIRF2016003797, SIRF2016003815)

Vessel *Ile De Batz* is conducting submarine cable laying operations between the following positions:

12° 26'.45 S 130° 49'.90 E

12° 26'.25 S 130° 47'.13 E
12° 20'.22 S 130° 42'.01 E
12° 15'.51 S 130° 35'.19 E
11° 59'.41 S 129° 56'.50 E
11° 27'.77 S 128° 06'.96 E
11° 18'.97 S 127° 26'.54 E
11° 19'.51 S 127° 23'.00 E
11° 22'.59 S 127° 19'.86 E
11° 22'.43 S 127° 12'.28 E
11° 20'.95 S 126° 57'.34 E
11° 21'.20 S 126° 39'.65 E
11° 23'.05 S 126° 35'.51 E
12° 07'.50 S 125° 51'.43 E
12° 32'.38 S 125° 23'.61 E
13° 27'.28 S 124° 34'.67 E
13° 37'.52 S 124° 07'.82 E
13° 46'.89 S 123° 21'.13 E
13° 45'.40 S 123° 18'.93 E
13° 46'.08 S 123° 12'.28 E
13° 59'.67 S 123° 03'.42 E
13° 53'.36 S 122° 17'.97 E
13° 57'.51 S 122° 03'.00 E
14° 10'.51 S 122° 00'.97 E
14° 33'.42 S 121° 38'.45 E
14° 53'.73 S 121° 25'.26 E
14° 58'.18 S 121° 15'.11 E
15° 01'.61 S 120° 34'.67 E
15° 20'.85 S 120° 03'.23 E
16° 35'.45 S 118° 34'.91 E
17° 10'.18 S 118° 05'.58 E
17° 20'.20 S 118° 01'.05 E
17° 38'.33 S 118° 00'.29 E
17° 47'.89 S 118° 03'.01 E
18° 27'.14 S 118° 32'.98 E
19° 31'.34 S 118° 37'.50 E
19° 34'.02 S 118° 35'.83 E
19° 56'.00 S 118° 37'.95 E
20° 12'.22 S 118° 41'.03 E
20° 18'.51 S 118° 36'.87 E.

Mariners are advised that a 1M clearance around the vessel is requested and to navigate with caution in the area.

Chart temporarily affected - Aus 24 - Aus 26 - Aus 29 - Aus 43 - Aus 52 - Aus 53 - Aus 309 - Aus 311 - Aus 312 - Aus 314 - Aus 315 - Aus 316 - Aus 319 - Aus 320 - Aus 322 - Aus 326 - Aus 722 - Aus 739 - Aus 740 - Aus 4721 (INT 721) - Aus 4722 (INT 722)

583(T)/2016 INDIAN OCEAN - Southeast Indian Ridge - Underwater operations

Australian Maritime Safety Authority NAVAREAX 33/2016 (SIRF2016004477)

The vessels *Fugro Equator*, *Fugro Discovery* and *Dong Hai Jui* are conducting underwater operations in an area bounded by the following positions:

35° 36'.0 S 85° 04'.0 E
40° 02'.0 S 85° 04'.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)

676(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Darwin - Fishermans Wharf - Light unlit

Department of Transport NT Notice 65(T)/2016 (SIRF2016004857)

The light, *F.Bu* (12° 27'.56 S 130° 51'.06 E), is unlit.

Chart temporarily affected - Aus 24 - Aus 26 - 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 (SIRF2016004942)

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

718(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Darwin - Middle Passage - Light buoy unlit
Department of Transport NT Notice 71(T)/2016 (SIRF2016005171)

The starboard lateral light buoy, *Iso.G.2s No3* (12° 21'.19 S 130° 43'.42 E), is unlit.

Chart temporarily affected - Aus 26

719(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Darwin - Sadgroves Creek - Light beacon unlit
Department of Transport NT Notice 70(T)/2016 (SIRF2016005170)

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 (SIRF2016005328)

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

Chart temporarily affected - Aus 23 - Aus 722

836(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Melville Island - Seismic survey northwards
Date - Until 3 October 2016
ConocoPhillips Australia (SIRF2016005623)

Survey vessel *Ramform Sovereign*, with a 6000m towed array, and support vessels *No Limit* and *Thor Freyja* are conducting a survey in the area bounded by the following positions:

10° 30'.65 S 130° 11'.39 E
9° 34'.37 S 130° 53'.55 E
9° 08'.24 S 130° 18'.33 E
10° 04'.36 S 129° 36'.07 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 310 - Aus 4721 (INT 721)

935(T)/2016 AUSTRALIA - NORTHERN TERRITORY - Military exercise including live firing
Date - Until 25 September 2016
Department of Defence (SIRF2016005961)

The North Australia Exercise Area (NAXA) will be activated for military exercises including live firing from 10 September to 24 September 2016 in an area bounded by:

12° 49'.33 S 130° 46'.65 E, 15° 05'.73 S 129° 54'.35 E, thence the minor arc of a circle of 170M radius centred on Darwin DME (12° 25'.40 S 130° 54'.38 E), to 11° 35'.8 S 128° 08'.38 E, 12° 18'.20 S 130° 29'.90 E, thence the minor arc of a circle of 25 NM radius centred on Darwin DME, to 12° 49'.33 S 130° 46'.65 E
and
12° 18'.88 S 131° 19'.05 E, thence the minor arc of a circle of 25 NM radius centred on Darwin DME, to 12° 00'.28 S 130° 54'.88 E, 9° 54'.73 S 130° 52'.12 E, thence the minor arc of a circle of 150 NM radius centred on Darwin DME, to 11° 41'.02 S 133° 20'.67 E, 12° 18'.88 S 131° 19'.05 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 20 - Aus 25 - Aus 26 - Aus 29 - Aus 309 - Aus 310 - Aus 315 - Aus 316 - Aus 318 - Aus 714 - Aus 719 - Aus 720 - Aus 721 - Aus 722 - Aus 725 - Aus 726 - Aus 4721 (INT 721)

936(T)/2016 AUSTRALIA - TIMOR SEA - Flat Top Bank - Tide gauge southwards

HMAS *Melville* (SIRF2016006178), Australian Maritime Safety Authority Auscoast Warning 242/2016 (SIRF2016006137)

A tide gauge, marked by poly floats, exists in position 12° 40'.41 S 129° 10'.97 E.

Mariners are advised to navigate with caution in the area. 0·5M clearance requested.

Chart temporarily affected - Aus 316

WESTERN AUSTRALIA

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

Former Notice - 1058(T)/2012 is cancelled

Department of Transport WA (AA653972)

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 (AA655652)

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

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

74(T)/2015 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instrument

Date - Until 15 December 2015

Chevron Australia Pty Ltd (AA783895)

Lit yellow buoy, *Fl. Y. 10s*, exist in position 20° 47'.66 S 115° 29'.24 E.

Chart temporarily affected - Aus 62 - Aus 66

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

Date - Until 1 August 2016

TAMS (AA823328)

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 (SIRF2015000997)

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

Date - Until 15 November 2015

BHP Billiton Petroleum Pty Ltd (SIRF2015000807)

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

Date - Until 29 November 2015

Hagstorm Drilling (SIRF2015001550, SIRF2015001671)

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

Date - Until 30 December 2016

MetOcean Engineers (SIRF2015002228)

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

Date - Until 12 December 2016

Pilbara Ports Authority Notice 22/2015 (SIRF2015002338)

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

87(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Ashburton Road - Anchorages; pilot boarding place; recommended track; pilotage area

Former Notice - 1073(T)/2015 is cancelled

Date - Until 1 October 2016

Chevron Australia Pty Ltd (SIRF2015001174), UKHO (AA853445)

Temporary anchorages with a 400m radius swinging circle exist as follows:

<i>Anchorage desig</i>	<i>Position</i>
A1	21° 30'.24 S 115° 02'.32 E
A2	21° 30'.73 S 115° 02'.31 E
A3	21° 31'.20 S 115° 02'.30 E
A4	21° 32'.31 S 114° 57'.45 E
A5	21° 32'.32 S 114° 57'.94 E
A6	21° 32'.78 S 114° 57'.45 E
A7	21° 32'.78 S 114° 57'.94 E
A8	21° 32'.32 S 114° 58'.43 E
A9	21° 32'.79 S 114° 58'.43 E

A temporary pilot boarding place exists in position 21° 35'.84 S 115° 00'.50 E.

A temporary recommended track bearing 142° - 322° exists between positions 21° 32'.78 S 114° 57'.94 E and 21° 35'.84 S 115° 00'.50 E.

A temporary compulsory pilotage area exists south of a line between positions 21° 37'.00 S 114° 56'.78 E and 21° 37'.00 S 115° 04'.56 E within the port limit.

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

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

Former Notice - 1384(T)/2015 is cancelled

Chevron Australia Pty Ltd (SIRF2015000253, SIRF2015002352)

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

Date - Until 31 December 2016

Department of Transport WA (SIRF2016002918)

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

Date - Until 5 March 2017

Department of Transport WA (SIRF2016003016)

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 (SIRF2016003122)

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

273(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Pipeline

Date - Until 1 August 2016

Pilbara Ports Authority Notice PH2(T)/2016 (SIRF2016003325)

A pipeline exists between positions 20° 18'.34 S 118° 34'.18 E and 20° 18'.36 S 118° 34'.19 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 52 - Aus 54

422(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Hunt Point - Silt curtain

Pilbara Ports Authority Notice PH3(T)/2016 (SIRF2016003836)

A silt curtain marked by three special light buoys, *Fl.Y.5s*, exists between the following positions:

20° 18'.24 S 118° 34'.30 E

20° 18'.27 S 118° 34'.29 E

20° 18'.31 S 118° 34'.27 E.

Chart temporarily affected - Aus 54

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

LADS Flight (DSID 3075528)

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 (SIRF2016004002)

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
Date - Until 31 July 2016
MetOcean Engineers (SIRF2015004064)

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

Chart temporarily affected - Aus 327

520(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Drill rig northwestwards
Date - Until 30 September 2016
Woodside Energy Ltd (SIRF2016004317)

Drill rig *Ocean Apex* is conducting drilling operations in position 19° 54'.82 S 115° 07'.94 E.

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

522(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Light buoy northwestwards
Far Sirius (SIRF2016004335)

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

574(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Bunbury - McKenna Point - Wave energy farm
Date - Until 31 October 2016
Department of Transport WA Notice 47/2016 (SIRF2016004574)

A wave energy farm consisting of 30 special light buoys, *Fl.Y.3-5s*, exists in an area bounded by the following positions:

33° 18'.12 S 115° 38'.34 E
33° 18'.20 S 115° 38'.40 E
33° 18'.30 S 115° 38'.22 E
33° 18'.25 S 115° 38'.18 E.

Chart temporarily affected - Aus 115

577(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Goeree Shoal to Browse Island - Scientific instruments
Date - Until 30 April 2017
MetOcean Engineers (SIRF2016004386)

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 (SIRF2016004581)

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

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

MODU *ENSCO 5006* (SIRF2016004823)

Drill rig *ENSCO 5006* is conducting drilling operations in position 13° 54'.29 S 123° 09'.87 E.

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

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

Date - Until 10 November 2016

McDermott Australia (SIRF2016004859)

Vessels *Loch Seaforth*, *LV108* and *DLV 2000* 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)

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

Department of Transport WA Notice 31/2016 (SIRF2016004578)

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

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

Quadrant Energy (SIRF2016005221)

Drill rig *Ocean Monarch* is conducting drilling operations in position 18° 52'.95 S 118° 52'.26 E.

Chart temporarily affected - Aus 325 - Aus 326 - Aus 4722 (INT 722)

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

Date - Until 4 January 2017

Woodside Energy Ltd (SIRF2016005337)

Drill rig *Atwood Osprey* is conducting drilling operations in position 19° 45'.74 S 115° 53'.41 E.

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

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

Former Notice - 701(T)/2015 is cancelled

A McCarthy (SIRF2016005356), MetOcean Engineers (SIRF2016005371)

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

Date - Until 31 December 2016

Wilhelmsen Ships Service Pty Ltd (SIRF2015001629, SIRF2016003826, SIRF2016003862, SIRF2016005400)

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 (DSID 3155228)

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

782(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Pipeline operations southwestwards

Woodside Energy Ltd (SIRF2016005533)

Vessel *Nor Australis* is conducting pipeline works in an area bounded by the following positions:

19° 54'.71 S 115° 23'.06 E

19° 55'.70 S 115° 19'.50 E

20° 01'.16 S 115° 11'.06 E

20° 02'.75 S 115° 12'.00 E

19° 56'.30 S 115° 24'.00 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 327 - Aus 328

841(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Light buoy established
Department of Transport WA Notice 82/2016 (SIRF2016005788)

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 (SIRF2016005690)

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 (SIRF2016005622)

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

Chart temporarily affected - Aus 112

899(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Drill rig northwestwards
Date - Until 11 September 2016
Quadrant Energy (SIRF2016005910)

Drill rig *Noble Tom Prosser* is conducting drilling operations in position 20° 32'.12 S 115° 14'.94 E.

Chart temporarily affected - Aus 328 - Aus 742 - Aus 4723 (INT 723) - Aus 4725 (INT 725)

900(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Direction Bank to Rottnest Island - Military exercise
Date - Until 17 September 2016
Department of Defence (SIRF2016005703)

Diving operations with a submersible will be conducted as follows:

<i>Date</i>	<i>Position</i>
27/8/16 - 29/8/16	31° 45'.00 S 115° 11'.59 E
30/8/16 - 31/8/16	31° 49'.43 S 115° 01'.06 E
2/9/16 - 9/9/16	32° 08'.00 S 115° 15'.40 E
12/9/16 - 16/9/16	32° 08'.00 S 115° 15'.40 E

An exclusion zone with a 0.5M radius exists for each position.

Support vessel *MV Stoker* and *MV Besant* will be on site and display appropriate lights and shapes.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 754

901(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Drilling and piling operations
Date - Until 15 October 2016
Woodside Energy Ltd (SIRF2016005693)

MV Southern Ocean is conducting drilling and piling operations in the area bounded by the following positions:
19° 36'.0 S 115° 55'.0 E

19° 49'.0 S 115° 37'.0 E
19° 53'.0 S 115° 40'.0 E
19° 40'.0 S 115° 58'.0 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 327

902(T)/2016 AUSTRALIA - WESTERN AUSTRALIA - Rowley Shoals to Exmouth Plateau - Seismic survey

Date - Until 7 November 2016

Scope Resources (SIRF201600593)

MV *BGP Explorer*, with a 10000m towed array, and support vessel are conducting a seismic survey in an area bounded by the following positions:

20° 04'.0 S 119° 30'.0 E
16° 20'.0 S 119° 30'.0 E
16° 20'.0 S 116° 30'.0 E
17° 20'.0 S 115° 08'.0 E
17° 20'.0 S 111° 50'.0 E
19° 06'.0 S 110° 24'.0 E
20° 23'.0 S 110° 24'.0 E
20° 23'.0 S 112° 40'.0 E
22° 17'.0 S 112° 40'.0 E
22° 17'.0 S 113° 35'.0 E
21° 35'.0 S 114° 10'.0 E
21° 04'.0 S 115° 02'.0 E
20° 10'.0 S 115° 26'.0 E
19° 50'.0 S 117° 32'.0 E.

Mariners are advised to navigate with caution in the area. 6M clearance requested.

Chart temporarily affected - Aus 53 - Aus 325 - Aus 326 - Aus 327 - Aus 328 - Aus 329 - Aus 739 - Aus 740 - Aus 741 - Aus 742 - Aus 743 - Aus 744 - Aus 745 - Aus 4722 (INT 722) - Aus 4723 (INT 723) - Aus 4725 (INT 725)

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

Date - Until 31 October 2016

Pilbara Ports Authority Notice PH7(T)/2016 (SIRF2016006024)

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

Date - Until 30 September 2016

Carnegie Wave Energy Ltd (SIRF2016005847)

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

Date - Until 14 October 2016

Pilbara Ports Authority Notice PH8(T)/2016 (SIRF2016006188)

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

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

Date - Until 7 November 2016

Pilbara Ports Authority Notice PH9(T)/2016 (SIRF2016006216)

Vessels *Azimuth* and *Daintree* are conducting survey operations in the vicinity of position 20° 18'.20 S 118° 34'.36 E and the spoil ground in position 20° 18'.20 S 118° 34'.36 E until 2 September 2016.

On the 7 September 2016 the dredge *FT3*, barges and support vessels *Quenda* and *Wiabuna* will be 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.

Mariners are advised to navigate with caution in the area.

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

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 (AA346443)

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 (AA773250)

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 (AA824647)

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 (SIRF2016003397)

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 (SIRF2016003396, SIRF2016003990)

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 (AA751067, AA751219, AA766339), (SIRF2016004734)

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

Date - Until 30 November 2016

Department of Planning, Transport and Infrastructure SA Notice 12/2016 (SIRF2016004718)

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

VICTORIA

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

Victorian Notice 64(T)/2008 (AA333884)

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 (AA735003)

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 (AA807181)

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

Date - Until 30 September 2016

Victorian Notices 110(T)/2015 (AA814621)

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

Date - Until 30 September 2016

Victorian Notices 115(T)/2015 (AA815542)

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 (AA822074)

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

Date - Until 30 June 2017

Victorian Notice 199/2015, 217/2015 (SIRF2015001706, SIRF2015002034)

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

Date - Until 30 June 2016

Marine and Safety Tasmania Notice M173/2015 (SIRF2015002301)

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 (SIRF2016002955)

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 (SIRF2016003374)

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 (SIRF2016004175)

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 (SIRF2016004385)

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 (SIRF2016004457)

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

Date - Until 31 December 2016

Parks Victoria Notice 115(T)/2016, 174(T)/2016 (SIRF2016003974, SIRF2016005189)

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

739(T)/2016 AUSTRALIA - VICTORIA - The Narrows - San Remo - Dredging operations

Date - Until 15 July 2016

Parks Victoria Notice 172(T)/2016 (SIRF2016005185)

Dredging operations are in progress in the vicinity of position 38° 31'.22 S 145° 21'.89 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 150

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

Gippsland Ports Notice 199(T)/2016 (SIRF2016005514)

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

792(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Rye - Beacon destroyed

Parks Victoria Notice 178(T)/2016 (SIRF2016005219)

The port lateral beacon (38° 22'.10 S 144° 49'.31 E) has been destroyed.

Chart temporarily affected - Aus 158

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

Date - Until 30 September 2016

Port of Melbourne Corporation Notice 212(T)/2016 (SIRF2016005598)

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

851(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - Webb Dock - Harbour works; dredging operations; nav aids

Former Notice - 791(T)/2016 is cancelled

Port of Melbourne Corporation Notice 134(T)/2015, 159(T)/2015, 194(T)/2015, 228(T)/2015, 101(T)/2016, 139(T)/2016, 202(T)/2016, 203(T)/2016 (SIRF2015000179, SIRF2015000564, SIRF2015001540, SIRF2015001263, SIRF2015002189, SIRF2016003761, SIRF2016004407, SIRF2016005553, SIRF2016005554)

Vessels *Go Lesath* and *DPU 4* are conducting demolition works, including diving operations in an area bounded by the following positions:

37° 50'.63 S 144° 54'.28 E
37° 50'.66 S 144° 54'.33 E
37° 50'.64 S 144° 54'.35 E
37° 50'.71 S 144° 54'.41 E
37° 50'.92 S 144° 54'.54 E
37° 50'.95 S 144° 54'.43 E.

A silt curtain marked by special light buoys, Q.Y, exists between the following positions:

37° 50'.63 S 144° 54'.28 E
37° 50'.66 S 144° 54'.33 E
37° 50'.75 S 144° 54'.38 E
37° 50'.90 S 144° 54'.43 E.

A light, *Fl. Y. 2s 4m 2M*, exists in position 37° 50'.84 S 144° 54'.36 E.

Harbour works are also in progress on the eastern side of Webb Dock and the berths 3E (37° 50'.60 S 144° 54'.45 E), 4E (37° 50'.73 S 144° 54'.54 E) and 5E (37° 50'.87 S 144° 54'.65 E) are temporarily unavailable for access. The dredge *Machiavelli*, tugs *PT Mary* and *PT May* and support vessels are conducting dredging operations in the area. Vessels will monitor VHF Ch 12.

Light buoys exist as follows:

<i>Position</i>	<i>Description</i>
37° 51'.05 S 144° 54'.53 E	<i>Fl. G. 2.5s No23</i>
37° 50'.99 S 144° 54'.57 E	<i>VQ(4)R. 4s No82</i>

Light beacons, *VQ(4)Y. 4s*, exist in the following positions:

37° 50'.96 S 144° 54'.94 E
37° 50'.90 S 144° 55'.05 E
37° 51'.01 S 144° 54'.98 E
37° 50'.95 S 144° 55'.09 E
37° 50'.97 S 144° 54'.42 E
37° 50'.98 S 144° 54'.47 E
37° 50'.89 S 144° 54'.45 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154

852(T)/2016 AUSTRALIA - VICTORIA - Western Port - Tankerton - Dredging operations

Date - Until 16 August 2016

Parks Victoria Notice 220(T)/2016 (SIRF2016005686)

Dredging operations are in progress in the vicinity of 38° 23'.00 S 145° 16'.23 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 151

904(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Davey Point - Light beacon destroyed

Parks Victoria Notice 218(T)/2016 (SIRF2016005652)

The west cardinal light beacon, *VQ(9)10s* (38° 09'.65 S 145° 05'.20 E), has been destroyed.

Chart temporarily affected - Aus 143

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

Parks Victoria Notice 223(T)/2016 (SIRF2016005780)

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

906(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Martha Point - Light buoy off station

Parks Victoria Notice 216(T)/2016 (SIRF2016005650)

The special light buoy, *Fl(3)Y. 10s* (38° 16'.65 S 144° 58'.51 E), is off station.

Chart temporarily affected - Aus 143 - Aus 158

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

Date - Until 1 December 2016

Parks Victoria Notice 226(T)/2016 (SIRF2016005925)

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 (SIRF2016005940)

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

Chart temporarily affected - Aus 157

909(T)/2016 AUSTRALIA - VICTORIA - Shoal Inlet - Light unlit
Maritime Safety Victoria Notice 215/2016 (SIRF2016005631)

The light, *Fl.2s* (38° 40'.47 S 146° 50'.13 E), is unlit.

Chart temporarily affected - Aus 181 - Aus 357 - Aus 487

910(T)/2016 AUSTRALIA - VICTORIA - Western Port - Sandy Point - Buoy off station
Parks Victoria Notice 217(T)/2016 (SIRF2016005651)

The port lateral buoy (38° 23'.85 S 145° 14'.18 E) is off station.

Chart temporarily affected - Aus 150 - Aus 151

943(T)/2016 AUSTRALIA - VICTORIA - Port Phillip - Fisherman Point - Light beacon unlit
Parks Victoria Notice 232(T)/2016 (SIRF2016005985)

The west cardinal light beacon, *VQ(9)10s* (38° 13'.42 S 145° 01'.58 E), is unlit.

Chart temporarily affected - Aus 143

TASMANIA

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

Former Notice - 1229(T)/2011 is cancelled

Date - Until 20 September 2013

Marine and Safety Tasmania (AA602526)

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

<i>Position</i>	<i>Characteristic</i>
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42° 56'.2 S 147° 37'.2 E	<i>Iso. 4s</i>
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42° 58'.2 S 147° 34'.0 E	<i>Oc. 3s.</i>
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Chart temporarily affected - Aus 171 - Aus 796

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

Former Notice - 1046(T)/2014 is cancelled

Date - Until 28 February 2016

Marine and Safety Tasmania Notice M108/2014 (AA774240)

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 (AA808896)

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 (SIRF2016002847)

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

Date - Until 31 December 2016

Institute for Marine and Antarctic Studies (AA797461, SIRF2016002911)

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

Date - Until 30 June 2017

Sydney Institute of Marine Science (SIRF2016002846)

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

Date - Until 24 September 2016

Marine and Safety Tasmania Notice M40/2016 (SIRF2016003745)

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 (SIRF2016004341, SIRF2016004528)

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

Date - Until 30 September 2016

University of Tasmania (SIRF2016004670)

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 (SIRF2016005248)

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 (SIRF2016005789)

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 (SIRF2016005060, SIRF2016006078)

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

Date - Until 31 December 2016

Marine and Safety Tasmania Notice M140/2016 (SIRF2016005968)

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

946(T)/2016 AUSTRALIA - TASMANIA - Storm Bay - Scientific instrument

Date - Until 22 October 2016

Marine and Safety Tasmania Notice M146/2016 (SIRF2016006083)

A subsurface scientific instrument exists in position 43° 05'.90 S 147° 31'.88 E.

Chart temporarily affected - Aus 171 - Aus 796

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 (AA650413)

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 (AA801793)

Scientific instruments, Triton buoys, exist as follows:

<i>Number</i>	<i>Position</i>
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

748(T)/2015 PAPUA NEW GUINEA - Dampier Strait - Nessup Channel - Light buoy off station
National Maritime Safety Authority PNG Notice 19/2015 (AA817425)

The port lateral light buoy, *Fl.R.2s*, (5° 53'.27 S 148° 08'.70 E) is off station.

Chart temporarily affected - Aus 673

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) (AA535709, AA565338, AA569723, SIRF2015002381, SIRF2015002389)

The following lights are unlit:

<i>Location</i>	<i>Position</i>
Otua Island (K4886)	6° 27'.50 S 155° 58'.40 E
Takanupei 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)

79(T)/2016 PAPUA NEW GUINEA - Cape Nelson - Daia Point - Light unlit
National Maritime Safety Authority PNG Notice 3(T)/2016 (SIRF2016002621)

The light, *Fl.6s 19m 10M* (8° 59'.50 S 149° 08'.33 E), is unlit.

Chart temporarily affected - Aus 520 - Aus 4620 (INT 620) - Aus 4621 (INT 621) - AX 04620U - AX 04621S - AX 04621U

143(T)/2016 PAPUA NEW GUINEA - Port Moresby - Wrecks
National Maritime Safety Authority PNG Notice 5(T)/2016 (SIRF2016002698)

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 (SIRF2016002697)

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

607(T)/2016 PAPUA NEW GUINEA - Buka Passage - Lights unlit

Former Notice - 251(T)/2015 is cancelled

National Maritime Safety Authority PNG Notice 05/2015, 24(T)/2016 (AA793426, SIRF2016004491)

The following lights are unlit;

<i>Position</i>	<i>Remarks</i>
5° 24'.39 S 154° 42'.69 E	<i>Fl.2·5s 7m 10M</i>
5° 27'.63 S 154° 38'.06 E	<i>Fl.10s 137m 16M</i>

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

772(T)/2016 PAPUA NEW GUINEA - Hibwa Island - Light beacon unlit

National Maritime Safety Authority PNG Notice 28(T)/2016 (SIRF2016005502)

The light beacon, *Fl(3)12s 7m 10M* (10° 14'.82 S 150° 59'.75 E), is unlit.

Chart temporarily affected - Aus 508 - Aus 628

932(T)/2016 PAPUA NEW GUINEA - Dampier Strait - Nessup Channel - Light buoy off station

National Maritime Safety Authority PNG Notice 31(T)/2016 (SIRF2016005992)

The starboard lateral light buoy, *Fl.G.2s* (5° 53'.93 S 148° 09'.06 E), is off station.

Chart temporarily affected - Aus 673

933(T)/2016 PAPUA NEW GUINEA - Yule Island - Light unlit

National Maritime Safety Authority PNG Notice 32(T)/2016 (SIRF2016005992)

The light, *Fl(3)15s 8M* (8° 49'.66 S 146° 32'.06 E), is unlit.

Chart temporarily affected - Aus 379 - Aus 4603 (INT 603) - Aus 4620 (INT 620)

EAST TIMOR

968(T)/2015 EAST TIMOR - Dili Bay - Obstruction
HMAS Huon (SIRF2015000697)

An above water obstruction exists in position 8° 33'.02 S 125° 34'.37 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 901

MISCELLANEOUS