

TEMPORARY AND PRELIMINARY NOTICES
In force on 26 February 2010

NEW SOUTH WALES

317(T)/2006 AUSTRALIA - NEW SOUTH WALES - Batemans Bay - Shoaling; buoy.
Maritime Authority NSW (A187776, A187777).

Shoaling, marked by a special spar buoy, exists inside and to the east of the entrance of the marina, in vicinity of 35° 42'.88 S 150° 11'.39 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 191.

454(T)/2006 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Gore Cove - Shoaling.
Sydney Ports Corp (A192164).

Shoaling, least depth *13.2 metres*, exists in the vicinity of 33° 50'.51 S 151° 11'.24 E.

Tankers are required to maintain a UKC of 10% of draught plus 0.2 metres.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 202 - AU5X200W.

708(T)/2008 AUSTRALIA - NEW SOUTH WALES - Green Cape to Ballina Head - Scientific instruments
Former Notice - 388(T)/2008 is cancelled
Manly Hydraulics Laboratory (AA346009, AA346010)

Special light buoys, *Fl(5)Y.20s*, exist in positions (WGS84 datum):

| | |
|-------------|--------------|
| 28° 49'.4 S | 153° 39'.9 E |
| 30° 21'.4 S | 153° 16'.1 E |
| 31° 49'.5 S | 152° 51'.6 E |
| 33° 46'.3 S | 151° 25'.0 E |
| 34° 28'.5 S | 151° 01'.6 E |
| 35° 42'.2 S | 150° 20'.6 E |
| 37° 18'.1 S | 150° 11'.1 E |

Mariners are not to use these buoys as moorings.

Chart temporarily affected - Aus 195 - Aus 197 - Aus 806 - Aus 807 - Aus 808 - Aus 809 - Aus 810 - Aus 811 - Aus 812 - Aus 813 - AX 0808E - AX 0809E

864(T)/2008 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Obstructions
NSW Maritime (AA354885)

Lost anchors and cables exist in the area bounded by (WGS84 datum):

| | |
|--------------|---------------|
| 34° 25'.70 S | 150° 55'.20 E |
| 34° 25'.70 S | 150° 59'.40 E |
| 34° 22'.00 S | 150° 59'.40 E |
| 34° 22'.00 S | 150° 57'.00 E |

Chart temporarily affected - Aus 195 - Aus 361 - Aus 808 - AX 0808E - AU435150 - AU5XX194

866(T)/2008 AUSTRALIA - NEW SOUTH WALES - Newcastle - Obstructions
NSW Maritime (AA354885)

Lost anchors and cables exist in the area bounded by (WGS84 datum):

| | |
|--------------|---------------|
| 32° 56'.50 S | 151° 48'.00 E |
| 32° 56'.50 S | 151° 56'.50 E |
| 33° 15'.00 S | 151° 47'.00 E |
| 33° 15'.00 S | 151° 38'.50 E |

Chart temporarily affected - Aus 207 - Aus 208 - Aus 361 - Aus 362 - Aus 809 - AX 0809E - AU433151 - AU5XX208

1035(T)/2008 AUSTRALIA - NEW SOUTH WALES - Beecroft Peninsula - Crocodile Head - Light buoy off station

University of New South Wales (AA361285)

The special light buoy, *Fl.Y.5s*, (35° 05'.0 S, 150° 51'.0 E (WGS84 datum)) is off station.

Chart temporarily affected – Aus 193 – Aus 807 – Aus 808 – AX 0808E – AX 60193 – AX 70193 - AU5XX193

1036(T)/2008 AUSTRALIA - NEW SOUTH WALES - Point Long Nose - Offshore works

Former Notices - 105(T)/2008, 865(T)/2008 are cancelled

Cardno (AA362534), Hydrographic Surveys Pty Ltd (AA354450)

Offshore works associated with the construction of the desalination plant are in progress in an area bounded from the coast to 34° 01'.4 S 151° 14'.1 E and 34° 02'.2 S 151° 14'.1 E.

A jack-up drilling rig *Seafox 6*, barges and tugs will be involved in the works.

Lit mooring buoys exist within the area. A lit special buoy, *Fl(5)Y.20s*, exists in position 34° 01'.84 S 151° 13'.86 E.

Vessels not associated with the works should keep 500 metres clear of the area.

Chart temporarily affected – Aus 197 – Aus 198 – Aus 808 – AX 0808E - AU5198X9

496(T)/2009 AUSTRALIA - NEW SOUTH WALES - Shoalhaven Bight - Unexploded ordnance

Department of Defence (AA399927)

Unexploded ordnance exists in positions 34° 56'.60 S 150° 50'.47 E and 34° 57'.99 S 150° 50'.35 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 807 - Aus 808 – AX 0808E - AU435150

658(T)/2009 AUSTRALIA - NEW SOUTH WALES - Port Stephens - Corrie Island - Shoaling

A Calcutt, NSW Maritime (AA409479)

Shoaling exists between positions 32° 40'.35 S 152° 07'.86 E and 32° 40'.26 S 152° 08'.10 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 209 - AU433152

715(T)/2009 AUSTRALIA - NEW SOUTH WALES - Botany Bay - Light buoys moved

Former Notice - 318(T)/2009 is cancelled

Sydney Ports Corporation (AA391264, AA411070)

The following light buoys have been repositioned to:

| <i>Buoy</i> | <i>New position</i> |
|-----------------------------------|-----------------------------|
| No8 (33° 58'.89 S 151° 12'.22 E) | 33° 59'.04 S 151° 12'.39 E |
| No10 (33° 58'.81 S 151° 12'.21 E) | 33° 58'.86 S 151° 12'.27 E |
| No12 (33° 58'.53 S 151° 12'.12 E) | 33° 58'.58 S 151° 12'.19 E |
| No14 (33° 58'.26 S 151° 12'.19 E) | 33° 58'.35 S 151° 12'.16 E |
| No16 (33° 58'.22 S 151° 12'.34 E) | 33° 58'.23 S 151° 11'.85 E. |

Chart temporarily affected – Aus 198 – Aus 199 - AU5198X9

773(T)/2009 AUSTRALIA - NEW SOUTH WALES - Newcastle - Hunter River - South Arm - Harbour works; dredging operations

BHP Billiton (AA414562 - AA414564)

Harbour works and dredging operations are in progress in an area bounded by the following positions (WGS84 datum):

32° 53.47 S 151° 45.83 E
32° 53.42 S 151° 45.85 E
32° 53.34 S 151° 45.75 E
32° 53.24 S 151° 45.57 E
32° 53.19 S 151° 45.47 E
32° 53.15 S 151° 45.32 E
32° 53.17 S 151° 45.31 E

An exclusion zone exists within the area.

The dredge *Boskalis Dredco JV* and support vessels *Gunfleet Sands* and *Big Boss* are onsite and will monitor VHF Ch 14.

Silt curtains have been established.

All hazards to navigation will display appropriate lights and signals.

Chart temporarily affected – Aus 207 – Aus 208 - AU5XX208

1009(T)/2009 AUSTRALIA - NEW SOUTH WALES - Manly - Scientific instruments

Date - Until 28 February 2011

University of Sydney Institute of Marine Science (AA353372, AA353373, AA424523)

Subsurface scientific instruments exist in positions (WGS84 datum):

33° 48'.03 S 151° 18'.03 E
33° 47'.98 S 151° 17'.65 E
33° 47'.99 S 151° 17'.73 E
33° 47'.92 S 151° 17'.61 E
33° 47'.93 S 151° 17'.69 E

Chart temporarily affected - Aus 197 - Aus 200 - Aus 201 – AX 63200 - AU5X200E

1113(T)/2009 AUSTRALIA - NEW SOUTH WALES - Botany Bay - Harbour works

Date - Until 31 March 2011

NSW Maritime Notice SU0807 (AA430317)

Works associated with the expansion of the container terminal at Brotherson Dock are in progress north of a line between positions 33° 58'.43 S 151° 11'.66 E and 33° 58'.19 S 151° 12'.47 E, marked by a silt curtain and special light buoys.

A designated gate marked by port and starboard lateral buoys exist at the western end of the silt curtain.

Access to Penrhyn boat ramp is via 30m wide navigation channel through the works area, marked by special light buoys.

A maximum speed limit of 8 knots applies to all vessels and wash kept to minimum. Anchoring of and drifting by recreational vessels is prohibited. Vessel operators must not enter the works area from the temporary navigation channel and vessels must keep well clear of any service craft, equipment and the actual construction area.

Scientific instruments marked by special light buoys exist in the following positions:

33° 58'.60 S 151° 11'.15 E
33° 57'.82 S 151° 10'.30 E
33° 58'.38 S 151° 11'.88 E
33° 58'.35 S 151° 12'.15 E
33° 57'.25 S 151° 11'.55 E
33° 57'.37 S 151° 11'.63 E
33° 57'.45 S 151° 11'.82 E

For further information visit www.maritime.nsw.gov.au.

Chart temporarily affected – Aus 198 – Aus 199 - AU5198X9

1114(T)/2009 AUSTRALIA - NEW SOUTH WALES - Botany Bay - Pipeline

Date - Until 31 March 2010

NSW Maritime Notice SU0911 (AA430370)

Works associated with Energy Australia's Botany Bay Cable Project are in progress in areas defined by the following positions:

La Perouse

33° 59'.48 S 151° 13'.77 E
33° 59'.53 S 151° 13'.70 E
33° 59'.41 S 151° 13'.58 E
33° 59'.36 S 151° 13'.65 E

Yarra Bay

33° 58'.81 S 151° 13'.72 E
33° 58'.67 S 151° 13'.55 E
33° 58'.67 S 151° 13'.49 E
33° 58'.92 S 151° 13'.45 E
33° 58'.71 S 151° 13'.10 E

The areas are marked by special light buoys every 100m.

All vessels and pontoons will display appropriate lights.

For further information visit www.maritime.nsw.gov.au.

Chart temporarily affected – Aus 198 – Aus 199 - AU5198X9

1115(T)/2009 AUSTRALIA - NEW SOUTH WALES - Botany Bay - Dredging operations; pipeline

Date - Until 31 December 2009

NSW Maritime Notices SU0916, SU0907 (AA430421, AA430422)

Dredging operations and pipe laying works associated with the Sydney Desalination Project are in progress.

Dredging operations exist in an area defined by the following positions:

33° 58'.00 S 151° 10'.28 E
33° 58'.67 S 151° 10'.63 E
33° 58'.82 S 151° 10'.25 E
33° 58'.13 S 151° 09'.88 E.

A floating pipeline marked by special lights exists between the dredge and a floating pontoon (33° 58'.13 S 151° 10'.23 E), marked by a port lateral light buoy. A submerged pipeline exists between the pontoon and a second pontoon (33° 57'.48 S 151° 10'.07 E), marked by a starboard lateral light buoy. A floating pipeline exists from the starboard lateral light buoy to a disposal barge located in an area (construction zone) marked by special light buoys, defined by the following positions:

33° 56'.97 S 151° 10'.02 E
33° 57'.00 S 151° 10'.13 E
33° 57'.27 S 151° 09'.80 E
33° 57'.10 S 151° 09'.80 E.

A 1200m wide access gate is provided for vessels to transit through the works.

All vessels and pontoons involved in the works will display appropriate lights.

Pipe laying operations exist between the construction zone and the following positions:

33° 57'.57 S 151° 09'.83 E
33° 59'.08 S 151° 10'.67 E
33° 59'.67 S 151° 11'.53 E
34° 00'.05 S 151° 11'.93 E
34° 00'.12 S 151° 12'.00 E.

A pipe laying barge and support vessels are onsite.

The area will be marked by special light buoys and vessels are not permitted to enter the area without permission.

For further information visit www.maritime.nsw.gov.au.

Chart temporarily affected – Aus 198 – Aus 199 - AU5198X9

1177(T)/2009 AUSTRALIA - NEW SOUTH WALES - Cowan Creek - Refuge Bay - Raft removed

NSW Maritime (AA433101)

The lit raft (33° 35'.96 S 151° 15'.01 E) has been removed; an unlit mooring buoy exists in situ.

Chart temporarily affected – Aus 204 – Aus 217 - AU5XX204

1234(P)/2009 AUSTRALIA - NEW SOUTH WALES - Cape Solander - Pilot boarding place trial eastwards

Former Notice - 1174(P)/2009 is cancelled

Date - Until 30 April 2010

Sydney Ports Corporation (AA432903)

A six month trial of the operation of a single pilot boarding place for Sydney Harbour and Botany Bay will be in force from 28 October 2009.

Pilot boarding and disembarkation operations at the pilot boarding place for Sydney Harbour will cease on 27 October 2009.

Pilot boarding for Sydney bound vessels will take place at Botany Bay pilot boarding place (34° 01'.2 S 151° 18'.7 E). Masters should note that the limit of compulsory pilotage area remains at the port limit and pilots will not take the conduct of the vessel until it approaches the port limit of Sydney Harbour.

Pilot disembarkation for vessels bound from Sydney will also take place at the Botany Bay pilot boarding place. Masters should note that pilots will hand over the conduct of the vessel as it passes the port limit of Sydney Harbour.

Chart which will be affected - Aus 197 - Aus 808 - AX0808E - AU434151 - AU435151

1235(T)/2009 AUSTRALIA - NEW SOUTH WALES - Clarence River - Harwood - Harbour works

Date - Until 30 April 010

NSW Maritime Notice NC0939 (AA434622)

Harbour works associated with the maintenance of the Harwood bridge (29° 25'.80 S 153° 14'.46 E) are in progress.

The barge *Steel Trader* is onsite and will display appropriate lights and shapes. The barge has deployed anchors marked by special light buoys and will monitor VHF Ch 13 and Ch 16.

Chart temporarily affected - Aus 222 - Aus 812 - Aus 813

1281(T)/2009 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Depth information

Former Notice - 1069(T)/2009 is cancelled

Port Kembla Port Corporation Notice 12/2009 (AA437324)

Available depths as at 30 October 2009:

| <i>Berth</i> | <i>Metres</i> | <i>Remarks</i> |
|------------------|-------------------------------------|--------------------|
| Inner Harbour | 15.2 | |
| North West Basin | 11.7 | |
| * 101 | 11.4 | |
| * 102 | 16.1 | |
| * 103 | 12.0 | |
| * 104 | 15.8 | |
| * 105 | 15.2 (14.9 for vessels overhanging) | |
| 106 | 13.9 | |
| * 107 | 11.9 | |
| 108 | - | Future Development |
| * 109 | 11.8 | |
| * 110 | 10.7 (9.0) | |
| * 111 | 15.5 | |
| * 112 | 12.6 | |
| * 113 | 10.5 | |
| * 201 | 10.3 | To 250m |
| * 201 | 9.6 | To 280m |
| * 201 | 9.5 | To 350m |
| * 202 | 10.7 | |
| * 202 | 10.6 | |
| * 202 | 10.4 | |
| * 203 | 9.7 | |
| * 204 | 4.8 | |
| 205 | 7.0 | |
| * 206 | 11.4 | |

* Indicates new or revised entry.

Chart temporarily affected - Aus 194 - AU5XX194

1438(T)/2009 AUSTRALIA - NEW SOUTH WALES - Georges River - Light beacon removed; light buoy established

NSW Maritime (AA223961, AA223962, AA444947)

The light beacon, *Fl.G.3s* (34° 00'.59 S 151° 08'.03 E), has been removed.

A starboard lateral conical light buoy, *Fl.G.3s*, exists in position 34° 00'.61 S 151° 08'.01 E.

Chart temporarily affected - Aus 198 - AU5198X9

1439(T)/2009 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Homebush Bay - Scientific instruments; piles; silt curtain

Former Notice - 650(T)/2007 is cancelled

Date - Until 30 June 2010

Homebush Bay and Lednez Remediation Projects (AA255104, AA255105, AA255106), Thiess Services Pty Ltd (AA441189, AA441190)

Special conical light buoys exist in the following positions (WGS84 datum):

33° 50'.02 S 151° 04'.80 E
33° 49'.43 S 151° 05'.04 E
33° 49'.79 S 151° 04'.84 E
33° 49'.71 S 151° 04'.88 E
33° 49'.99 S 151° 04'.83 E
33° 49'.90 S 151° 04'.77 E
33° 49'.80 S 151° 04'.85 E
33° 49'.72 S 151° 04'.88 E
33° 49'.98 S 151° 04'.83 E
33° 49'.90 S 151° 04'.78 E.

A containment barrier supported by piles exists between the following positions:

33° 49'.57 S 151° 05'.02 E
33° 49'.42 S 151° 05'.15 E
33° 49'.40 S 151° 05'.13 E
33° 49'.34 S 151° 05'.19 E
33° 49'.37 S 151° 05'.23 E
33° 49'.38 S 151° 05'.23 E
33° 49'.38 S 151° 05'.24 E.

A silt curtain exists in the area surrounding the piles.

Chart temporarily affected - Aus 200 - Aus 203 - AU5X200W

1440(T)/2009 AUSTRALIA - NEW SOUTH WALES - Newcastle - Depth information

Former Notice - 1282(T)/2009 is cancelled
Newcastle Port Corporation (AA445497)

Available depths as at 14 December 2009:

| <i>Berth</i> | <i>Metres</i> |
|--|------------------------------------|
| Western Basin 3 | 11.6 |
| Western Basin 4 | 11.6 |
| * Eastern Basin 1 | 11.2 |
| * Eastern Basin 2 North of Ch 450 | 11.5 |
| * Eastern Basin 2 South of Ch 450 | 11.0 |
| * Dockyard 2 (Dredge) | 4.0 |
| * Channel Berth (formerly Dockyard 4) | 8.3 |
| Dyke 1 | 12.8 |
| * Dyke 2 | 12.6 |
| Dyke 4 | 16.5 |
| Dyke 5 | 16.5 |
| Dyke 6 | 6.3 |
| * Mayfield 4 Ch 50 to 266 | 9.5 |
| * BHP Wharf 6 to Ch 1050 | 7.1 |
| Kooragang 2 | 11.6 |
| Kooragang 2 North Dolphin | 11.0 |
| Kooragang 2 South Dolphin | 11.0 |
| Kooragang 3 | 13.0 |
| Kooragang 4 | 16.5 |
| * Kooragang 5 | 16.3 |
| Kooragang 6 | 16.3 |
| Kooragang Ship Receival KSR | 8.0 |
| Throsby 1 | 9.5 |
| Carrington wharf | To be sounded as and when required |
| Former Tug berth 4 | 6.5 |
| Elgo wharf | To be sounded as and when required |
| <i>Channels</i> | |
| Entrance Approach | 17.7 |
| Entrance Channel (18.0m) | 18.0 |
| Entrance Channel (17.4m) | 17.4 |
| Entrance Channel (16.8m) | 16.8 |
| Entrance Channel (16.2m) | 16.1 |
| Entrance Channel to Horseshoe | 15.2 |
| * Horseshoe | 15.2 |
| Steelworks Channel to Swinging Basin | 15.0 |
| Swinging Basin | 15.0 |
| * Swinging Basin to Mayfield 4 | 9.5 |
| Basin Cutting | 12.8 |
| * Basin Area to Eastern & Western Basin Berths | 12.3 |
| Basin Area to 1 Throsby | 10.0 |
| Stockton Crossing | 3.6 |
| * Indicates revised entry. | |

Chart temporarily affected - Aus 207 - Aus 208 - AU5XX208

48(T)/2010 AUSTRALIA - NEW SOUTH WALES - Jervis Bay - Scientific instruments

Former Notice - 1233(T)/2009 is cancelled
Date - Until 31 March 2010
Geoscience Australia (AA446305)

Subsurface scientific instruments exist in positions 35° 06'.21 S 150° 45'.89 E and 35° 06'.76 S 150° 42'.49 E.

Chart temporarily affected - Aus 193 - Aus 807 - Aus 808 – AX 0808E – AX 60193 – AX 67192 – AX 70193 - AU436150 - AU5XX193

49(T)/2010 AUSTRALIA - NEW SOUTH WALES - Cape Baily to Ben Buckler - Scientific instruments

Former Notice - 1373(T)/2009 is cancelled

Date - Until 30 June 2011

Sydney Institute of Marine Science (AA375220, AA420046)

Subsea moorings (25 metres below the surface) exist in positions (WGS84 datum) as follows:

| | |
|-----------------------------|----------------------------|
| 33° 53'.76 S 151° 17'.30 E | 33° 53'.99 S 151° 17'.30 E |
| 33° 54'.23 S 151° 17'.72 E | 33° 54'.51 S 151° 18'.14 E |
| 33° 54'.76 S 151° 18'.56 E | 33° 55'.02 S 151° 19'.01 E |
| 33° 55'.28 S 151° 19'.45 E | 33° 55'.54 S 151° 19'.89 E |
| 33° 55'.80 S 151° 20'.31 E | 33° 56'.06 S 151° 21'.17 E |
| 33° 56'.32 S 151° 22'.61 E | 33° 56'.60 S 151° 22'.06 E |
| 33° 56'.85 S 151° 22'.50 E | 33° 57'.12 S 151° 22'.95 E |
| 33° 57'.40 S 151° 23'.39 E | 33° 57'.91 S 151° 24'.25 E |
| 33° 58'.65 S 151° 23'.84 E | 33° 58'.20 S 151° 24'.64 E |
| 33° 58'.49 S 151° 25'.08 E | 33° 58'.77 S 151° 25'.57 E |
| 33° 59'.08 S 151° 26'.06 E | 33° 59'.33 S 151° 26'.47 E |
| 33° 59'.97 S 151° 27'.33 E | 34° 00'.21 S 151° 27'.85 E |
| 34° 00'.48 S 151° 28'.27 E | 34° 00'.77 S 151° 28'.74 E |
| 34° 01'.33 S 151° 29'.16 E | 34° 01'.31 S 151° 29'.63 E |
| 34° 01'.59 S 151° 30'.08 E. | |

Chart temporarily affected - Aus 197 - Aus 808 - Aus 809 – AX 0808E – AX 0809E – AX 63200 - AU434151

50(T)/2010 AUSTRALIA - NEW SOUTH WALES - Hastings River - Bar crossing; light discontinued

NSW Maritime Notice NC0954 (AA447802)

The rear leading light (31° 25'.63 S 152° 54'.71 E) has been temporarily discontinued.

The recommended approach into the Hastings River is with the front leading light bearing 250°; mariners should refer to the estuary and river entrances chart note.

Chart temporarily affected - Aus 219

51(T)/2010 AUSTRALIA - TASMAN SEA - Norfolk Island - Wreck

Australian Transport Safety Bureau (AA446984)

A wreck marked by buoys exists in position 29° 03'.27 S 167° 52'.41 E.

Chart temporarily affected - Aus 609 - AU430167

167(T)/2010 AUSTRALIA - NEW SOUTH WALES - Port Jackson - Darling Point - Scientific instrument

Date - Until 31 July 2010

AECOM Australia Pty Ltd (AA443700, AA443800, AA451010, AA451011)

A special cylindrical light buoy, *Fl.Y.4s*, exists in position 33° 51'.93 S 151° 14.17 E (WGS84 datum).

Chart temporarily affected - Aus 200 - Aus 202 - AU5X200E

QUEENSLAND

653(P)/2001 AUSTRALIA - CORAL SEA - Lihou Reef - Shoals. LADS Flight (01/8133). (AH99/179)

A survey has revealed numerous coral pinnacles, of depths less than 5 metres, existing between the charted reefs and the 50 metre isobath.

Along the sunken barrier reef between 17° 30'.0 S 151° 22'.0 E and 17° 40'.0 S 151° 18'.0 E shoals of depth 10 to 15 metres exist.

Mariners should navigate with caution in the area.

A new edition of the chart will be produced in due course.

Chart which will be affected – Aus 614.

671(T)/2006 AUSTRALIA - QUEENSLAND - Skardon River - Shoaling. Maritime Safety Queensland Notice 396(T)/2006 (A196087).

Shoaling exists in the entrance to Skardon River (11° 45'.5 S 142° 00'.0 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 701.

1052(T)/2006 AUSTRALIA - QUEENSLAND - Laguna Quays - Reduced depth. *Former Notice - 703(T)/2005 is cancelled* Maritime Safety Queensland Notice 593(T)/2006 (A207558).

The depth in the entrance channel to Laguna Quays (20° 35'.95 S 148° 41'.48 E) is reduced.

Mariners should contact Laguna Quays Port Control on VHF Ch16 prior to transiting the channel.

Chart temporarily affected - Aus 252.

1090(T)/2006 AUSTRALIA - QUEENSLAND - Brisbane River - Quarries Reach - Lights altered. Maritime Safety Queensland Notice 625(T)/2006 (A209852).

The lights K2873.3 (27° 26'.59 S 153° 06'.65 E) and K2873.31 (27° 26'.48 S 153° 07'.15 E) are altered to *F.Bu (F.Y day)*.

The lights K2873.5 (27° 26'.62 S 153° 06'.60 E) and K2873.51 (27° 26'.60 S 153° 06'.70 E) are altered to *F.R (F.Y day)*.

Chart temporarily affected - Aus 238.

1244(T)/2006 AUSTRALIA - QUEENSLAND - Pioneer Bay - Airlie Beach - Harbour works; light buoys. *Former Notice - 1193(T)/2006 is cancelled* Maritime Safety Queensland Notice 745(T)/2006 (A216005).

Harbour works for marina construction, are in progress in Muddy Bay.

Special light buoys, *Fl. Y.5s*, marking a silt curtain, exist in positions:

20° 16'.028 S 148° 43'.455 E
20° 16'.028 S 148° 43'.512 E
20° 16'.027 S 148° 43'.568 E
20° 16'.027 S 148° 43'.625 E
20° 16'.026 S 148° 43'.683 E
20° 16'.100 S 148° 43'.685 E
20° 16'.173 S 148° 43'.688 E
20° 16'.247 S 148° 43'.690 E
20° 16'.320 S 148° 43'.692 E
20° 16'.394 S 148° 43'.695 E

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 268.

102(T)/2007 AUSTRALIA - QUEENSLAND - Moreton Bay - Spitfire Channel - Light sector partially undefined.

Former Notice - 706(T)/2004 is cancelled

Maritime Safety Queensland Notice 24(T)/2007 (A224712).

M2 beacon Dir WRG. 4M (occas) light K2859.5 (27° 03'.47 S 153° 18'.78 E (WGS 84 datum)) is unreliable.
The port lateral light is unaffected.

Chart temporarily affected - Aus 235 - Aus 236.

694(T)/2007 AUSTRALIA - QUEENSLAND - Moreton Bay - Brisbane River - Depth information and keel clearances

Former Notice - 653(T)/2007 is cancelled

Maritime Safety Queensland 497(T)/2007 (AA270959)

Available depths and under keel clearances (UKC) as at 27 July 2007:

| | <i>Metres</i> | <i>UKC/Remarks</i> |
|---------------------------------------|---------------|------------------------------------|
| Bay: | | |
| North East Channel | 5.5 | Channel not maintained |
| * North West Channel | 15.0 | 1.8 (NW FWY) |
| (over 280m width) | - | 2.35 (NW2-3) |
| | - | 2.1 (NW3-12) |
| Spitfire Channel | 15.0 | 1.5 |
| (over 280m width) | | |
| East Knoll Bypass Channel | 6.9 | 1.4 |
| East Channel | 15.0 | 1.5 |
| (over 300m width) | | |
| Main Channel (M8 - M9) | 10.0 | 1.8 |
| Brisbane River: | | |
| Entrance Beacons and Bar Cutting | 14.0 | 1.46 |
| Fisherman Islands Swing Basin | 14.0 | 1.3 |
| Pelican Banks Reach to Hamilton Reach | 9.1 | 0.6 - 0.9 depending draft and tide |
| Alongside all berths | - | 0.3 |

* Indicates new or revised entry.

Chart temporarily affected – Aus 235 – Aus 236

733(T)/2007 AUSTRALIA - QUEENSLAND - Moreton Bay - Tangalooma Point – Wreck; buoy

Maritime Safety Queensland 511(T)/2007 (AA277143)

A wreck exists in position (WGS 84 datum) 27° 11'.717 S 153° 21'.759 E marked by a unlit white spherical buoy.

Chart temporarily affected – Aus 236

774(T)/2007 AUSTRALIA - QUEENSLAND - Moreton Bay - Scarborough - Shoaling

Maritime Safety Queensland Notice 483(T)/2007 (AA270982)

Mariners are advised that shoaling least depth *1.9m*, has been reported in the western channel close to the marina berths in the vicinity of 27° 11'.64 S 153° 06'.28 E.

Shoaling least depth *1.8m*, has been reported in the southern channel in the vicinity of 27° 11'.65 S 153° 06'.47 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 236

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

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

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

Chart temporarily affected – Aus 238

890(T)/2007 AUSTRALIA - QUEENSLAND - Skardon River - Shoaling

Maritime Safety Queensland Notice 614(T)/2007 (AA285408)

Shoaling, least depth *0m*, exists in approx position 11° 46'.29 S 141° 57'.95 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 701

930(T)/2007 AUSTRALIA - QUEENSLAND - Hook Reef - Beacon destroyed
Maritime Safety Queensland Notice 659(T)/2007 (AA289086)

The east cardinal beacon (19° 48'.80 S 149° 15'.11 E) has been destroyed.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 254 – Aus 825

937(T)/2007 AUSTRALIA - QUEENSLAND - Karumba - Obstruction; buoy
Maritime Safety Queensland Notice 686(T)/2007 (AA290358)

An obstruction, steel pipe which covers and uncovers, marked by a white buoy, exists in position 17° 27'.80S 140° 44'.83 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 6

1132(T)/2007 AUSTRALIA - QUEENSLAND - Brisbane River - Lytton Reach - Mooring blocks; pipeline
Former Notice - 1071(T)/2007 is cancelled
Maritime Safety Queensland Notice 817(T)/2007

Mooring blocks exist in positions 27° 25'.35 S 153° 08'.36 E and 27° 25'.36 S 153° 08'.34 E. A floating pipeline marked by nine lights Q.Y has been established between the mooring blocks and the river bank (27° 25'.41 S 153° 08'.40 E).

Mariners are advised to navigate with caution in the vicinity.

Chart temporarily affected - Aus 237 – Aus 238

111(T)/2008 AUSTRALIA - QUEENSLAND - Heron Island - Scientific instruments
Date - Until 30 June 2011
Australian Institute of Marine Science (AA308016, AA308017)

Subsurface scientific instruments exist in positions:

23° 22'.958 S 151° 59'.215 E
23° 28'.988 S 152° 10'.432 E
23° 30'.740 S 151° 57'.318 E

Chart temporarily affected - Aus 819

114(T)/2008 AUSTRALIA - QUEENSLAND - Cape Bowling Green - Scientific instrument
Date - Until 30 June 2011
Australian Institute of Marine Science (AA308016, AA308017)

A subsurface scientific instrument exists in position 19° 18'.305 S 147° 37'.322 E.

Chart temporarily affected - Aus 826 - Aus 827

116(T)/2008 AUSTRALIA - QUEENSLAND - Thread Shoal to Myrmidon Reef - Scientific instruments
Date - Until 30 June 2011
Australian Institute of Marine Science (AA308016, AA308017)

Subsurface scientific instruments exist in positions:

18° 18'.766 S 147° 09'.073 E
18° 13'.178 S 147° 20'.621 E

Chart temporarily affected - Aus 828

117(T)/2008 AUSTRALIA - QUEENSLAND - Port Douglas - Depth information
Maritime Safety Queensland Notice 886(T)/2007 (AA307483)

Available depths as at 20 December 2007:

Metres
* Outer Channel 1.4

- * Inner Channel 1.7
- * Indicates revised entry.

Chart temporarily affected - Aus 270

118(T)/2008 AUSTRALIA - QUEENSLAND - Lizard Island - Scientific instruments

Date - Until 30 June 2011

Australian Institute of Marine Science (AA308016, AA308017)

Subsurface scientific instruments exist in positions:

14° 35'.649 S 145° 21'.432 E

14° 20'.354 S 145° 20'.625 E

Chart temporarily affected - Aus 832

311(T)/2008 AUSTRALIA - QUEENSLAND - Swains Reef - Scientific instruments

Former Notice - 112(T)/2008 is cancelled

Australian Institute of Marine Science (AA308016, AA308017)

Subsurface scientific instruments exist in positions:

22° 13'.589 S 151° 48'.281 E

20° 51'.512 S 151° 48'.362 E

Chart temporarily affected - Aus 367 - Aus 426

391(T)/2008 AUSTRALIA - QUEENSLAND - Kirra Point - Offshore works

Former Notice - 1130(T)/2007 is cancelled

Maritime Safety Queensland Notice 208(T)/2008 (AA325591)

Offshore works associated with the desalination plant construction are in progress.

A lit platform *Eun Sung 1200* will be anchored within a 600 metre radius of position 28° 08.6 S 153° 30.8 E (WGS84 datum).

Vessels not associated with the works should keep well clear of the platform.

Mariners are advised to navigate with caution in areas adjacent to the works.

Chart temporarily affected - Aus 813 - Aus 814

460(T)/2008 AUSTRALIA - QUEENSLAND - Abbot Point - Light buoy established

Maritime Safety Queensland Notice 237(T)/2008 (AA330654)

A light buoy, Q, exists in position 19° 52'.53 S 148° 05'.04 E.

Chart temporarily affected - Aus 255

463(T)/2008 AUSTRALIA - QUEENSLAND - Lucinda - Light buoy repositioned

Maritime Safety Queensland Notice 231(T)/2008 (AA330646)

No 18 port lateral light buoy (18° 30'.11 S 146° 18'.83 E) has been repositioned to 18° 30'.426 S 146° 19'.125 E.

Chart temporarily affected - Aus 259

657(T)/2008 AUSTRALIA - QUEENSLAND - Bundaberg - Burnett River - Sea Reach - Light beacon destroyed

Maritime Safety Queensland Notice 350(T)/2008 (AA342856)

No 12 light beacon (24° 45'.30 S 152° 24'.44 E) has been destroyed; a port lateral light buoy, *Fl.R.3s*, exists in situ.

Chart temporarily affected - Aus 242

663(T)/2008 AUSTRALIA - QUEENSLAND - Pioneer Bay - Airlie Beach - Dredging operations

Maritime Safety Queensland Notice 370(T)/2008 (AA343748)

Dredging operations are being conducted in Muddy Bay.

An exclusion zone marked by special light buoys, *Fl.Y.5s*, exists in an area bounded by the following positions:

20° 16'.011 S 148° 43'.412 E

20° 16'.009 S 148° 43'.609 E
20° 15'.495 S 148° 43'.603 E
20° 15'.495 S 148° 43'.683 E
20° 16'.523 S 148° 43'.694 E

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 252 - Aus 253 - Aus 268

664(T)/2008 AUSTRALIA - QUEENSLAND - Abbot Point - Scientific instruments

Maritime Safety Queensland Notice 344(T)/2008 (AA342586)

Scientific instruments exist in positions (WGS84 datum) as follows:

19° 49'.12 S 148° 00'.77 E
19° 54'.30 S 148° 00'.03 E
19° 52'.88 S 148° 04'.51 E
19° 50'.91 S 148° 02'.87 E
19° 52'.74 S 147° 58'.29 E
19° 50'.01 S 148° 09'.98 E
19° 56'.05 S 148° 07'.78 E
19° 53'.98 S 148° 09'.54 E

Chart temporarily affected - Aus 255 - Aus 826

710(T)/2008 AUSTRALIA - QUEENSLAND - Moreton Bay - Spitfire Channel - Light buoys established

Former Notice - 649(T)/2008 is cancelled

Maritime Safety Queensland Notice 389/2008 (AA345287)

Starboard lateral conical light buoys, *Fl.G.2-5s*, without topmark, exist in positions 27° 02'.73 S 153° 15'.84 E and 27° 03'.12 S 153° 16'.99 E.

Chart temporarily affected - Aus 235 - Aus 236

750(T)/2008 AUSTRALIA - QUEENSLAND - Moreton Bay - Banana Bank - Light beacon damaged

Maritime Safety Queensland Notice 439(T)/2008 (AA349428)

The west cardinal light beacon (27° 32'.02 S 153° 20'.09 E) has been damaged and the light altered to *Fl(2)6s*.

A west cardinal light buoy, *Q(9)15s*, exists in position 27° 31'.94 S 153° 19'.97 E.

Chart temporarily affected - Aus 236

751(T)/2008 AUSTRALIA - QUEENSLAND - Brisbane River - Fisherman Islands - Harbour works

Maritime Safety Queensland Notice 415(T)/2008 (AA347382)

Works associated with the development of berths 12 and 13 are in progress in position 27° 21'.50 S 153° 10'.85 E. Works will involve the removal of a section of existing rock wall, dredging and construction of a new rock wall.

Mariners are advised to navigate with caution in the area and are to pass the works at slow speeds.

Chart temporarily affected - Aus 237

755(T)/2008 AUSTRALIA - QUEENSLAND - Cassady - Light beacon destroyed

Maritime Safety Queensland Notice 431(T)/2008 (AA348607)

The landfall beacon (18° 36'.93 S 146° 20'.08 E (WGS84 datum)) has been destroyed; a special light buoy, *Fl.Y.2-5s*, exists in situ.

Chart temporarily affected - Aus 371 - Aus 372 - Aus 827 - Aus 828

810(T)/2008 AUSTRALIA - QUEENSLAND - Brisbane River - Depth information

Former Notice - 162(T)/2008 is cancelled

Maritime Safety Queensland Notice 446(T)/2008 (AA350200)

Available depths as at 16 July 2008:

| <i>Berth</i> | <i>Metres</i> | <i>Remarks</i> |
|-------------------------|---------------|----------------|
| * Fisherman Islands No9 | 14.2 | |
| Fisherman Islands No8 | 14.0 | |

| | | |
|--|-------|------------------|
| Fisherman Islands No7 | 14.0 | |
| * Fisherman Islands No6 | 14.1 | |
| * Fisherman Islands No5 | 14.0 | |
| Fisherman Islands No4 | 14.0 | |
| * Fisherman Islands No3 | 14.0 | |
| *Fisherman Islands No2 | 14.0 | |
| Fisherman Islands No1 | 14.0 | |
| * Fisherman Islands Grain and Woodchip | 13.0 | |
| * Caltex Fisherman Islands | 14.3 | |
| * BP Luggage Point | 14.3 | |
| * Fisherman Islands Coal | 13.2 | |
| * Caltex Products | 10.1 | |
| * QCL | 10.0 | |
| * BP Products | 10.9 | |
| * Shell | 11.0 | |
| * Pacific Terminals | 10.7 | |
| *Incitec North | 10.1 | |
| *Incitec South | 10.5 | |
| * Pinkenba 1 | 10.5 | |
| * Pinkenba 2 | 10.5 | |
| Riverside Marina | < 5.0 | |
| Sugar Terminal | 9.7 | |
| Cairncross Fitting Out Wharf | 7.3 | |
| * Cairncross Breasting Wharf | 7.0 | |
| * Maritime No3 | 7.1 | (not maintained) |
| * Maritime No2 | 10.3 | |
| * Maritime No1 | 9.3 | |
| * Hamilton No4 | 10.3 | |
| * Hamilton No3 | 9.8 | |
| * Hamilton No2 | 9.6 | |
| * Hamilton No1 | 10.3 | |
| * Brisbane Cruise Ship Terminal | 9.4 | |

Chart temporarily affected - Aus 237 - Aus 238 - AU5237X8

814(T)/2008 AUSTRALIA - QUEENSLAND - Brisbane River - Bulimba Reach - Newstead - Harbour works
 Maritime Safety Queensland Notice 468(T)/2008 (AA352996)

Harbour works associated with the demolition of the wharf (27° 26'.88 S 153° 02'.83 E) are in progress.

The work area is enclosed by an anchored debris catchment boom, which is marked by yellow flashing lights along its length.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 238 - AU5237X8

819(T)/2008 AUSTRALIA - QUEENSLAND - Airlie Beach - Light buoys established
 Maritime Safety Queensland Notice 452(T)/2008 (AA351934)

A silt curtain exists across the southern entrance to Abel Point Marina, closing the entrance to navigation.

Special light buoys mark the location of the silt curtain in the following positions:

- 20° 16'.070 S 148° 42'.400 E
- 20° 16'.070 S 148° 42'.402 E
- 20° 16'.056 S 148° 42'.401 E

Chart temporarily affected - Aus 252 - Aus 253 - Aus 268 - AU5268P2

835(P)/2008 AUSTRALIA - CORAL SEA - Capel Bank to Nova Bank - Shoaling
 US Notice 27/602/2008 (AA353578)

Shoaling has been reported in the following areas:

| <i>Position</i> | <i>Remarks</i> |
|----------------------|----------------------|
| 22° 05' S 159° 34' E | Depths to 103 metres |
| 22° 50' S 159° 34' E | |
| 22° 50' S 159° 12' E | |
| 22° 05' S 158° 58' E | |
| 23° 00' S 159° 47' E | Depths to 318 metres |
| 23° 30' S 159° 47' E | |

23° 30' S 159° 20' E
23° 00' S 159° 20' E

23° 52' S 159° 42' E
24° 15' S 159° 42' E
24° 15' S 159° 15' E
23° 52' S 159° 15' E

24° 40' S 160° 00' E
25° 40' S 160° 00' E
25° 40' S 159° 25' E
24° 40' S 159° 25' E

Charting action will be considered on receipt of additional data.

Chart which will be affected - Aus 4060 (INT 60) - Aus 4602 (INT 602)

876(T)/2008 AUSTRALIA - QUEENSLAND - Cooktown - Depth information

Former Notice - 785(T)/2007 is cancelled

Maritime Safety Queensland Notice 485(T)/2008 (AA354431)

Available depths as at 6 August 2008:

Metres

* Outer Channel 1.9
* Public Wharf 2.8
* Swing Basin 1.2

* Indicates revised entry.

Chart temporarily affected - Aus 270 - AU5270P6

1044(T)/2008 AUSTRALIA - QUEENSLAND - Abbot Point - Harbour works

Former Notice - 400(T)/2008 is cancelled

Date - Until 31 June 2010

Maritime Safety Queensland Notice 626(T)/2008 (AA362524)

Works associated with the construction of the new berth 2, in the vicinity of 19° 51'.49 S 148° 05'.19 E, are in progress.

The barges *WBIII*, *Rover*, *Steel Ranger* and *SEP Fuji*, MT *Daley* and *Lismore* and workboat *Workboat 29* are onsite and will display the appropriate lights and signals.

All vessels will monitor VHF Ch 14 and Ch 16. Operational communications will be conducted on VHF Ch 72 and mariners are requested to avoid using this channel.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 255 - AU5XX255

1051(T)/2008 AUSTRALIA - QUEENSLAND - Karumba - Light beacon withdrawn

Former Notice - 661(T)/2007 is cancelled

Maritime Safety Queensland Notice 604(T)/2008 (AA361931)

No 3 light beacon (17° 25'.86 S 140° 43'.66 E) has been withdrawn; a starboard lateral light buoy, *Fl.G.4s*, exists in situ.

Chart temporarily affected – Aus 6

1097(T)/2008 AUSTRALIA - QUEENSLAND - Airlie Beach - Muddy Bay - Wreck

Maritime Safety Queensland Notice 643(T)/2008 (AA363786)

A wreck marked by a special light buoy, *Fl.Y.3s*, exists in position 20° 15'.96 S 148° 43'.38 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 252 - Aus 253 - Aus 268 - AU5268P2

1099(T)/2008 AUSTRALIA - QUEENSLAND - Goold Island - Wreck

Former Notice - 875(T)/2008 is cancelled

Maritime Safety Queensland Notice 634(T)/2008 (AA363523), Wreck is FV *Silla*

A wreck marked by an isolated danger light buoy, *Fl(2)4s*, exists in position 18° 10'.314 S 146° 04'.913 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 828 - AU419146

1146(T)/2008 AUSTRALIA - QUEENSLAND - Brisbane River - Quarries Reach to Parker Island Reach - Harbour works

Former Notice - 445(T)/2007 is cancelled

Date - Until 31 August 2010

Maritime Safety Queensland Notice 190(T)/2007, 296(T)/2007, 677(T)/2008 (AA237697, AA243715, AA366844, AA243714)

Harbour works are in progress for the Gateway Bridge development.

A silt curtain and temporary causeway exist from the northern bank of the river to position 27° 26'.62 S 153° 06'.01 E.

A 6 knot no wash speed limit zone marked by special light buoys exists between:

27° 26'.67 S 153° 05'.74 E
27° 26'.45 S 153° 06'.39 E
27° 26'.60 S 153° 06'.50 E
27° 26'.66 S 153° 06'.50 E
27° 26'.89 S 153° 05'.87 E
27° 26'.67 S 153° 05'.74 E

Special light buoys, *Fl. Y.2-5s*, exist in positions:

27° 26'.74 S 153° 05'.79 E
27° 26'.52 S 153° 06'.44 E
27° 26'.60 S 153° 06'.50 E
27° 26'.83 S 153° 05'.83 E

During construction a 3 metre reduction in vertical clearance will exist, with 54 metres in the centre and 50 metres at the edge of the cutting.

Mariners with an air draft of over 45 metres are required to obtain written permission from the Manager Vessel Traffic Management at Brisbane Port Control on 07 33051700 prior to proceeding under the Gateway Bridges.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 238 - AU5237X8

1152(T)/2008 AUSTRALIA - QUEENSLAND - Abbot Point - Depth information

Former Notice - 977(T)/2008 is cancelled

Maritime Safety Queensland Notice 681(T)/2008 (AA366839)

Available depths as at 16 October 2008:

| | <i>Metres</i> |
|---------------------|---------------|
| * Departure Channel | 17 .2 |
| Berth Pocket | 19.1 |

* Indicates revised entry.

Chart temporarily affected – Aus 255 - AU5XX255

1248(T)/2008 AUSTRALIA - QUEENSLAND - Townsville - Ross River - Light buoy

Maritime Safety Queensland Notice 743(T)/2008 (AA371532)

A port lateral light buoy, *Fl. R.2-5s*, has been established in position 19° 15'.875 S 146° 50'.387 E to mark a sandbank that has extended into the Ross River Channel.

Chart temporarily affected - Aus256 - Aus257 - AU5XX257

84(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Rous Channel - Shoaling

Former Notice - 1090(T)/2008 is cancelled

Maritime Safety Queensland Notice 831(T)/2008 (AA378659)

Shoaling exists within Rous Channel.

No3 light buoy (27° 23'.14 S 153° 25'.78 E) has been repositioned to 27° 23'.05 S 153° 25'.33 E.

No7 light buoy (27° 23'.00 S 153° 24'.87 E) has been repositioned to 27° 22'.85 S 153° 24'.93 E.

No5 light buoy (27° 23'.20 S 153° 25'.37 E) has been withdrawn.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236

87(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Wynnum - Shoaling

Maritime Safety Queensland Notice 4(T)/2009 (AA379642)

Shoaling, with least depth *0.8 m*, exists within the entrance channel to Wynnum Creek between the starboard entrance beacon (27° 26'.01 S 153° 10'.68 E) and the seaward end of the southern breakwater (27° 26'.10 S 153° 10'.58 E). Shoaling also exists on the southern side of the channel along the length of the southern breakwater.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236 - AU5237X8

94(T)/2009 AUSTRALIA - QUEENSLAND - Cape Upstart - Wreck northwards

Former Notice - 461(T)/2008 is cancelled

Maritime Safety Queensland Notice 812(T)/2008 (AA376703), wreck is *SV Challenger*

A wreck exists in position 19° 26'.84 S 147° 46'.33 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 826 - Aus 827 - AU320147

166(T)/2009 AUSTRALIA - QUEENSLAND - Karamea Bank - Wreck

Maritime Safety Queensland Notice 30(T)/2009 (AA381837)

A wreck exists in position 22° 39'.17 S 151° 32'.70 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 367 – Aus 820 - AU323151

170(T)/2009 AUSTRALIA - QUEENSLAND - Rocky Point - Light beacon withdrawn

Maritime Safety Queensland Notice 43(T)/2009 (AA382154)

The north cardinal light beacon, Q, (17° 21'.60 S 146° 01'.90 E) has been temporarily withdrawn.

Chart temporarily affected – Aus 829 - AU418146

214(T)/2009 AUSTRALIA - QUEENSLAND - Airlie Beach - Muddy Bay - Wreck

Maritime Safety Queensland Notice 65(T)/2009 (AA384396)

A wreck marked by a special light buoy, *Fl.Y.3s*, exists in position 20° 15'.84 S 148° 43'.22 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 252 - Aus 253 - Aus 268 - AU5268P2

321(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Manly - Light beacon established

Maritime Safety Queensland Notice 146(T)/2009 (AA390824)

The special beacon (27° 27'.35 S 153° 11'.42 E) has been temporarily altered to a starboard lateral light beacon, *Fl.G.3s*.

Chart temporarily affected - Aus 236 - AU5237X8

329(T)/2009 AUSTRALIA - QUEENSLAND - Surprise Rock - Light beacon destroyed

Maritime Safety Queensland Notice 125(T)/2009 (AA389353)

The isolated danger beacon (20° 21'.3S 149° 01'.6 E) has been destroyed.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 252 - Aus 253 - Aus 824 - AU421149

377(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Skirmish Passage - Wreck

Former Notice - 1069(T)/2007 is cancelled

Maritime Safety Queensland Notice 72/2009 (AA384344, AA395948)

A wreck exists in position 26° 59'.63 S 153° 10'.88 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 235 - Aus 236

380(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Bramble Bay - Bridge construction

Former Notices - 347(T)/2008 and 546(T)/2008 are cancelled

Date - Until 30 June 2011

Maritime Safety Queensland Notice 171(T)/2008, 164(T)/2009, 166(T)/2009 (AA323151, AA395818, AA396377)

Construction of the Houghton Highway Bridge is in progress in position 27° 17'.01 S 153° 03'.89 E (WGS84 datum).

A falsework bridge exists to the east of the existing bridge. The seaward limit of the falsework bridge will be marked by lights, Q.Y.

Nav aids exist as follows:

| <i>Position</i> | <i>Remarks</i> |
|----------------------------|--------------------------------------|
| 27° 15'.84 S 153° 04'.62 E | port beacon |
| 27° 15'.95 S 153° 04'.75 E | starboard buoy |
| 27° 15'.97 S 153° 04'.74 E | port buoy |
| 27° 16'.56 S 153° 04'.29 E | lit starboard buoy, <i>Fl.G.2.5s</i> |
| 27° 16'.60 S 153° 04'.26 E | lit port buoy, <i>Fl.R.2.5s</i> |
| 27° 16'.57 S 153° 04'.11 E | lit starboard buoy, <i>Fl.G.2.5s</i> |
| 27° 16'.59 S 153° 04'.09 E | lit port buoy, <i>Fl.R.2.5s</i> |

Mariners should navigate with caution in the area.

Chart temporarily affected - Aus 236 - Aus 814

429(T)/2009 AUSTRALIA - QUEENSLAND - Cape Moreton - Obstruction southeastwards

Maritime Safety Queensland Notice 170(T)/2009 (AA396927)

An obstruction marked by buoys exists in position 27° 07'.12 S 153° 31'.54 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236 - Aus 364 - Aus 814

430(T)/2009 AUSTRALIA - QUEENSLAND - Cape Moreton - Obstructions

Australian Maritime Safety Authority (AA397869), Maritime Safety Queensland Notice 202(T)/2009 (AA397906)

Underwater obstructions exist within 0.5M of the following positions (WGS84 datum):

27° 00'.7 S 153° 35'.3 E
27° 01'.7 S 153° 36'.0 E
27° 02'.2 S 153° 35'.7 E

Mariners are advised to avoid the area.

Chart temporarily affected - Aus 235 - Aus 364 - Aus 365 - Aus 814

446(T)/2009 AUSTRALIA - QUEENSLAND - Upolu Reef - Obstructions

Date - Until 31 July 2010

Maritime Safety Queensland Notice 183(T)/2009 (AA397149)

An obstruction exists in the vicinity of position 16° 41'.43 S 145° 52'.12 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 830 - AU417145

511(T)/2009 AUSTRALIA - QUEENSLAND - Cairns - Depth information

Former Notice - 1313(T)/2008 is cancelled

Maritime Safety Queensland Notice 218(T)/2009 (AA399740)

Available depths as of 9 April 2009:

| | <i>Metres</i> | <i>Remarks</i> |
|----------------------------|---------------|-----------------------------------|
| Entrance Channel | 8.3 | |
| Crystal Swing Basin at: | | |
| 360 metre diameter | 6.8 | |
| 380 metre diameter | 6.4 | |
| Swing Basin at: | | |
| 310 metre diameter | 8.7 | |
| 320 metre diameter | 7.8 | |
| * Marlin Marina | 3.3 | |
| Berths: | | |
| No 1 | 8.4 | |
| No 2 | 8.5 | |
| No 3 | 8.4 | |
| No 4 | 8.4 | |
| No 5 | 8.2 | |
| No 6 | 8.1 | between 500 metres and 550 metres |
| No 6 | 7.7 | between 550 metres and 600 metres |
| No 7 | 9.9 | |
| No 8 | 10.0 | |
| No 10 | 9.3 | |
| No 12 | 10.5 | |
| * Smiths Creek 1 | 4.7 | |
| * Indicates revised entry. | | |

Chart temporarily affected - Aus 262 - Aus 263 - Aus 264 - Aus 830 – AX 63262 - AU417145 - AU5262X4

620(P)/2009 AUSTRALIA - QUEENSLAND - Caloundra - Rock outcrop

Maritime Safety Queensland Notice 294(T)/2009 (AA405382)

A rock outcrop is reported to exist between positions 26° 45'.04 S 153° 10'.64 E and 26° 45'.32 S 153° 10'.76 E, with least depth 14.4m LAT.

Mariners are advised to navigate with caution in the area.

Chart which will be affected - Aus 235

661(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Redland Bay - Light beacon destroyed

Maritime Safety Queensland Notice 340(T)/2009 (AA409168)

The south cardinal light beacon (27° 36'.75 S 153° 19'.01 E) has been destroyed; a south cardinal light buoy, Q(6) & LFI.15s, exists in situ.

Chart temporarily affected - Aus 236

662(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Cleveland Point - Light beacon unlit

Maritime Safety Queensland Notice 339(T)/2009 (AA409170)

The light beacon (27° 30'.47 S 153° 17'.62 E) is unlit.

Chart temporarily affected - Aus 236

663(T)/2009 AUSTRALIA - QUEENSLAND - Pumicestone Channel - Light buoy off station

Maritime Safety Queensland Notice 331(T)/2009 (AA408565)

The port lateral light buoy, FL.R.2.5s (26° 48'.54 S 153° 07'.93 E), is off station.

Chart temporarily affected - Aus 235

665(T)/2009 AUSTRALIA - QUEENSLAND - Saumarez Reefs - South West Cay - Wreck

Maritime Safety Queensland Notice 328(T)/2009 (AA408566)

A wreck exists in position 21° 51'.3 S 153° 31'.4 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 426 - Aus 612

667(T)/2009 AUSTRALIA - QUEENSLAND - Airlie Beach - Abel Point - Wreck
Maritime Safety Queensland Notice 332(T)/2009 (AA408578)

A wreck marked by a special light buoy exists in position 20° 15'.60 S 148° 42'.45 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 252 - Aus 253 - Aus 268 - AU5268P2

720(T)/2009 AUSTRALIA - QUEENSLAND - Brisbane River - Town Reach - Kangaroo Point - Wreck
Maritime Safety Queensland Notice 343(T)/2009 (AA409122)

A wreck exists in position 27° 27'.93 S 153° 02'.04 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 238 - AU5237X8

721(T)/2009 AUSTRALIA - QUEENSLAND - Gladstone - Calliope River - Scientific instruments
Date - Until 30 April 2010
Maritime Safety Queensland Notice 371(T)/2009 (AA411214)

Scientific instruments marked by special light buoys, Q.Y, exist in positions:

23° 49'.46 S 151° 12'.97 E

23° 50'.00 S 151° 12'.25 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 245 - AU5244X5

724(T)/2009 AUSTRALIA - QUEENSLAND - Mackay - Harbour works
Maritime Safety Queensland Notice 378(T)/2009 (AA411761)

Demolition works in the vicinity of Loves Jetty (21° 06'.55 S 149° 13'.58 E) are in progress.

The barge *Sheerlegs* and support vessel *Louisianne* are onsite and will monitor VHF Ch 16.

Mariners are advised to navigate with caution in the vicinity.

Chart temporarily affected – Aus 250 - AU5250P1

726(T)/2009 AUSTRALIA - QUEENSLAND - Double Island - Scientific instrument
Former Notice - 216(T)/2009 is cancelled
Maritime Safety Queensland Notice 383(T)/2009 (AA412011)

A special light buoy, *F(5)Y.20s*, exists in position 16° 43'.97 S 145° 42'.68 E.

Mariners are not to use this buoy as a mooring.

Chart temporarily affected – Aus 830 - AU417145

729(T)/2009 AUSTRALIA - QUEENSLAND - Albatross Bay - Scientific instruments
Former Notice - 218(T)/2009 is cancelled
Maritime Safety Queensland Notice 383(T)/2009 (AA412011)

A special light buoy, *F(5)Y.20s*, exists in position 12° 41'.27 S 141° 41'.10 E.

Mariners are not to use this buoy as a mooring.

Chart temporarily affected – Aus 4 – Aus 701 - AU413141

777(T)/2009 AUSTRALIA - QUEENSLAND - Southport - Harbour works
Former Notice - 79(T)/2009 is cancelled
Maritime Safety Queensland Notice 18(T)/2009 (AA380382)

Harbour works associated with the construction of a new pier facility (27° 57'.95 S 153° 25'.15 E) are in progress.

The work site will be marked by special light buoys, *Fl. Y.2-5s*, in positions:

27° 57'.92 S 153° 25'.15 E
27° 57'.86 S 153° 25'.11 E
27° 57'.93 S 153° 25'.19 E
27° 57'.83 S 153° 25'.14 E

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 230

786(T)/2009 AUSTRALIA - QUEENSLAND - Mourilyan - Depth information

Former Notice - 628(T)/2009 is cancelled
Maritime Safety Queensland Notice 417(T)/2009 (AA414655)

Available depths as at 29 June 2009:

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

*Indicates revised entry.

Shoaling for a distance of 200m to seaward of the berth pocket can develop over time.

Chart temporarily affected – Aus 258 - AU5258P1

787(T)/2009 AUSTRALIA - QUEENSLAND - Cape Flattery - Wreck

Maritime Safety Queensland Notice 398(T)/2009 (AA414185)

A wreck exists in position 14° 57'.19 S 145° 19'.86 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 831 – Aus 832 - AU415145

836(T)/2009 AUSTRALIA - QUEENSLAND - Gold Coast Seaway - Shoaling

Former Notice - 774(T)/2009 is cancelled
Maritime Safety Queensland Notice 447(T)/2009 (AA417664)

An area of shoal water located approximately 250m east northeast of the seaway south wall continues to move northward across the line of the centre line leads (255°).

The shoal area has a least depth of approximately 3.6m LAT and use of the centre line leads should be avoided at low tide by deep draft vessels. Breaking waves may be experienced at this location during the ebb tide or when seas rise above 1.5m.

Deepest water (over 4.1m) is found when navigating the seaway using the southern approach leads (291°).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 230

837(T)/2009 AUSTRALIA - QUEENSLAND - Gold Coast Seaway - Shoaling

Maritime Safety Queensland 448(T)/2009 (AA417665)

Shoaling with a least depth of, 2.9m LAT exists in the North channel in the vicinity of 27° 55'.8 S 153° 25'.1 E. Deeper water to 3.4m is found on the eastern side of the channel.

Shoaling with a least depth of, 4.1m LAT exists in the South channel in the vicinity of 27° 56'.3 S 153° 25'.4 E.

Chart temporarily affected - Aus 230

845(T)/2009 AUSTRALIA - QUEENSLAND - Black Island - Light beacon destroyed

Maritime Safety Queensland Notice 446(T)/2008 (AA417751, AA418222)

Special light beacon (20° 04'.56 S 148° 53'.58 S) has been destroyed; a special light buoy, *Fl. Y.2-5s*, exists in situ.

Mariners are advised to navigate with caution.

Chart temporarily affected - Aus 252 - Aus 254 - AU5254P2

900(T)/2009 AUSTRALIA - QUEENSLAND - Keppel Bay - Mud Island to Centre Bank - Scientific instruments

Former Notice - 508(T)/2009 is cancelled

Maritime Safety Queensland Notice 476(T)/2009 (AA418907)

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

23° 32'.05 S 150° 51'.00 E
23° 30'.69 S 150° 56'.33 E
23° 26'.14 S 150° 57'.34 E

Chart temporarily affected – Aus 247 – Aus 265 - AU424150

959(T)/2009 AUSTRALIA - QUEENSLAND - Gladstone - South Channel - Scientific instrument

Maritime Safety Queensland Notice 520(T)/2009 (AA421784)

A special light buoy, *Fl(5)Y. 20s*, exists in position 23° 53'.77 S 151° 30'.25 E.

Mariners are not to use this buoy as a mooring.

Chart temporarily affected - Aus 246 - Aus 819 - AU424151

960(T)/2009 AUSTRALIA - QUEENSLAND - Gladstone - Targinie Channel - Light buoy withdrawn

Maritime Safety Queensland Notice 484(T)/2009 (AA420605)

T10 light buoy (23° 47'.53 S 151° 11'.43 E) has been temporarily withdrawn.

Chart temporarily affected - Aus 244 - Aus 245 - AU5244X5

964(T)/2009 AUSTRALIA - QUEENSLAND - Hay Point - Depth information

Maritime Safety Queensland Notice 514(T)/2009 (AA422706)

The available depth for the navigation channel in Hay Point tug harbour is *5.1m (LAT)*.

Lesser depths exist close to the outer edge of the channel and at the southern end of the tug berths.

Chart temporarily affected - Aus 249 - Aus 250 - AX 0249E - AU5250P2

965(T)/2009 AUSTRALIA - QUEENSLAND - Hay Point - Depth information

Former Notice - 168(T)/2009 is cancelled

Maritime Safety Queensland Notice 542(T)/2009 (AA423447)

Available depths as at 13 August 2009:

| | <i>Metres</i> |
|------------------|---------------|
| * HPS Berth No 1 | 16.3 |
| HPS Berth No 2 | 16.5 |
| DBCT Berth No 1 | 18.0 |
| DBCT Berth No 2 | 18.1 |
| DBCT Berth No 3 | 18.7 |
| DBCT Berth No 4 | 18.6 |

* Indicates revised entry.

Chart temporarily affected - Aus 249 - Aus 250 - AX 0249E - AU5250P2

966(T)/2009 AUSTRALIA - QUEENSLAND - Mackay - Depth information

Former Notice - 564(T)/2009 is cancelled

Maritime Safety Queensland Notice 519(T)/2009 (AA421785)

Available depths as at 31 July 2009:

| | <i>Metres</i> |
|-----------------------------------|---------------|
| Entrance Transit (Eastern Bank) | 8.6 |
| Entrance Channel | 9.0 |
| Swing Basin (Inwards) | 8.6 |
| Swing Basin (Outwards) | 8.6 |
| * Berth No 1 | 10.8 |
| * Berth No 3 | 12.9 |
| * Composite Nos 3/4 Panamax Berth | 12.9 |
| * Berth No 4 | 10.0 |

* Berth No 5 12.3

* Caution: Lesser depths may occur in berthing boxes but are not considered to have an impact on shipping.

Chart temporarily affected - Aus 250 - AU5250P1

968(T)/2009 AUSTRALIA - QUEENSLAND - Arlington Reef - Wreck
Maritime Safety Queensland Notice 480(T)/2009 (AA420619)

A wreck marked by a special light buoy, *Fl. Y.2-5s*, exists in position 16° 41'.88 S 145° 57'.19 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 830 – AX 6027S - AU417145

1019(T)/2009 AUSTRALIA - QUEENSLAND - Port Alma - Depth information

Former Notice - 623(T)/2009 is cancelled
Maritime Safety Queensland Notice 559(T)/2009

Available depths as at 18 August 2009:

| <i>Berth</i> | <i>Metres</i> |
|-------------------|---------------|
| Balacava Leads | 7.6 |
| Kazatch Leads | 7.0 |
| Eupatoria Leads | 7.9 |
| Shell Point Leads | 7.0 |
| Swing Basin | 5.8 |
| Berth No 1 | 9.2 |
| Berth No 2 | 9.2 |
| Berth No 3 | 9.2 |

* Indicates revised entry.

Chart temporarily affected - Aus 265 - AU5247P1

1025(T)/2009 AUSTRALIA - QUEENSLAND - Thursday Island - Depth information

Former Notice - 448(T)/2009 is cancelled
Maritime Safety Queensland Notice 561(T)/2009 (AA424096)

Available depths as at 19 August 2009:

| | <i>Metres</i> |
|-----------------|--|
| * Hovell Bar | 3.6 |
| Main Wharf | 3.1 (a sounding of 3.1m has been recorded approximately 60m south of Main Wharf. 4.1m alongside wharf) |
| Caltex Wharf | 4.1 |
| Engineers Wharf | 3.5 |
| Inner Harbour | 4.6 |
| Boat Channel | 4.8 |

* Indicates revised entry.

Chart temporarily affected - Aus 293 - Aus 299 - AU5XX299

1117(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - North Stradbroke Island - Amity - Harbour works

Former Notice - 719(T)/2009 is cancelled
Date - Until 31 December 2009
Maritime Safety Queensland Notice 282(T)/2009, 315(T)/2009, 605(T)/2009 (AA405402, AA411788, AA428787)

Construction works on the boat ramp (27° 24'.02 S 153° 26'.23 E) are in progress.

The boat ramp is closed to all vessels during this period.

Chart temporarily affected – Aus 236

1119(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Manly - Harbour works; dredging operations

Former Notice - 434(T)/2009 is cancelled
Date - Until 31 December 2009
Maritime Safety Queensland Notice 140(T)/2009, 319(T)/2009, 621(T)/2009 (AA390773, AA408563, AA429669)

Harbour works and dredging operations associated with the marina redevelopment are in progress in Manly Boat Harbour (27° 27'.22 S 153° 11'.40 E).

The dredge *Ken Harvey*, MT *Sealion*, MT *Turtle* and two spoil barges are onsite and will display appropriate lights and signals.

The dredge has deployed six anchors, marked by light buoys, Q.Y.

Lit mooring buoys, Q.Y, exist in positions 27° 26'.74 S 153° 12'.05 E and 27° 26'.70 S 153° 12'.14 E.

The starboard light beacon, *Fl.G.3s* (27° 27'.29 S 153° 11'.50 E), has been withdrawn.

The western internal channel is closed for the duration of the works. Vessels requiring access to and from the harbour must use the eastern internal entrance.

Vessels transiting the channel during daylight hours, Monday to Friday, are to contact the dredge on VHF Ch 13 to request the mooring wires be lowered.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 236 - AU5237X8

1128(T)/2009 AUSTRALIA - QUEENSLAND - Bundaberg - Town Reach - Obstruction

Maritime Safety Queensland Notice 608(T)/2009 (AA428783)

An obstruction exists in position 24° 51'.74 S 152° 21'.30 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 242 - AU5XX242

1133(T)/2009 AUSTRALIA - QUEENSLAND - Townsville - Ross Creek - Light beacons withdrawn; light buoys established

Maritime Safety Queensland Notice 624(T)/2009 (AA429766)

Light beacons *Fl.R.3s* (19° 15'.03 S 146° 49'.80 E) and *Fl.G.3s* (19° 15'.01 S 146° 49'.77 E) have been withdrawn; a port lateral light buoy, *Fl.R.3s*, and a starboard lateral light buoy, *Fl.G.3s*, exist in situ.

Chart temporarily affected – Aus 257 - AU5XX257

1135(T)/2009 AUSTRALIA - QUEENSLAND - Port Douglas - Light beacon withdrawn; light buoy established

Maritime Safety Queensland Notice 625(T)/2009 (AA429773)

No 7 light beacon (16° 28'.98 S 145° 27'.57 E) has been withdrawn; a yellow light buoy, *Fl.G.2-5s*, exists in situ.

Chart temporarily affected – Aus 270 - AU5270P1

1136(T)/2009 AUSTRALIA - QUEENSLAND - Cooktown - Light buoy repositioned; light buoy established

Former Notice - 1077(T)/2009 is cancelled

Maritime Safety Queensland Notice 637(T)/2009 (AA430661)

No1 light buoy has been repositioned to 15° 27'.20 S 145° 15'.34 E. No2 port lateral light beacon (15° 27'.24 S 145° 15'.36 E) has been withdrawn; a port lateral light buoy, *Fl.R.2-5s*, exists in position 15° 27'.22 S 145° 15'.34 E.

Chart temporarily affected – Aus 270 - AU5270P6

1137(T)/2009 AUSTRALIA - TORRES STRAIT - Stephens Islet - Wreck northwards

Auscoast Warnings 215/2009, 216/2009 (AA429085, AA430163), Australian Maritime Safety Authority (AA429037)

A wreck, *FV Poseidon*, marked by a wreck light buoy, *Al.Oc.BuY*, exists in position 9° 23'.38 S 143° 34'.42 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 376 – Aus 377 – Aus 840 – AX 60377 - AU410143

1187(T)/2009 AUSTRALIA - QUEENSLAND - Arkwright Point - Scientific instrument

Former Notice - 1093(T)/2008 is cancelled

Maritime Safety Queensland Notice 660(T)/2009 (AA431903)

A special light buoy, *Fl(5)Y.20s*, exists in position 26° 33'.95 S 153° 10'.90 E (WGS84 datum).

Mariners are not to use the buoy as a mooring.

Chart temporarily affected – Aus 365

1188(T)/2009 AUSTRALIA - QUEENSLAND - Gladstone - North Passage Island - Scientific instruments

Date - Until 14 February 2010

Maritime Safety Queensland Notice 645(T)/2009 (AA431934)

Subsurface scientific instruments exist in positions 23° 46'.00 S 151° 10'.45 E and 23° 45'.70 S 151° 10'.75 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 245 – Aus 819 - AU424151 - AU5244X5

1236(T)/2009 AUSTRALIA - QUEENSLAND - Point Danger to Point Lookout - Scientific instruments

Former Notice - 717(T)/2009 is cancelled

Maritime Safety Queensland Notice 692(T)/2009 (AA434918)

Special light buoys, *Fl(5)Y.20s*, exist in positions (WGS84 datum):

28° 10'.84 S 153° 34'.58 E

27° 58'.01 S 153° 26'.52 E

27° 28'.13 S 153° 37'.55 E.

Mariners are not to use these buoys as moorings.

Chart temporarily affected - Aus 230 - Aus 813 - Aus 814

1238(T)/2009 AUSTRALIA - QUEENSLAND - Brisbane River - Lytton Reach - Harbour works

Maritime Safety Queensland Notice 699(T)/2009 (AA434984)

Harbour works associated with the refurbishment of Shell Oil Wharf (27° 25'.43 S 153° 07'.80 E) are in progress.

Barges, support vessels and divers are onsite.

Temporary mooring and fendering arrangements will be in place during the works. Further information on the works and berthing arrangements can be obtained through Brisbane Harbour on VHF Ch 12 or (07) 3305 1700.

Chart temporarily affected - Aus 238 - AU5237X8

Chart temporarily affected - Aus 248 - Aus 260 - Aus 261 - Aus 367 - Aus 822 – AX 0260E – AX 0367E – AX 0822E – AX 60260 – AX 67261 - AU423150 - AU5261P2

1243(T)/2009 AUSTRALIA - QUEENSLAND - Hay Point - Scientific instruments

Date - Until 31 October 2010

Maritime Safety Queensland Notice 707(T)/2009 (AA435460)

Scientific instruments marked by surface floats exist in positions 21° 15'.18 S 149° 15'.83 E and 21° 16'.04 S 149° 18'.09 E.

Chart temporarily affected - Aus 249 - Aus 250 - Aus 823 - AX0249E - AX0823E - AU422149 - AU5250P2

1244(T)/2009 AUSTRALIA - QUEENSLAND - Nares Rock - Light unlit

Maritime Safety Queensland Notice 700(T)/2009 (AA435157)

The light, *Fl(2)5s* (19° 46'.21 S 148° 21'.55 E), is unlit.

Chart temporarily affected - Aus 825 - Aus 826 - AU320148

1283(T)/2009 AUSTRALIA - QUEENSLAND - Gladstone - Scientific instruments

Maritime Safety Queensland Notice 712(T)/2009 (AA435652)

Scientific instruments marked by special conical light buoys, *Q.Y*, exist in the vicinity of:

| <i>Position</i> | <i>Remarks</i> |
|----------------------------|-------------------------|
| 23° 48'.56 S 151° 12'.87 E | 18 structures deployed |
| 23° 48'.99 S 151° 17'.63 E | 18 structures deployed |
| 23° 46'.08 S 151° 18'.20 E | 72 structures deployed. |

The extent of the areas will be marked by white poly-floats.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 244 - Aus 245 - Aus 819 - AU424151 - AU5244X5

1288(T)/2009 AUSTRALIA - QUEENSLAND - Allingham - Light removed

Maritime Safety Queensland Notice 716(T)/2009 (AA436363)

The light, *Fl.2.5s* (18° 42'.41 S 146° 17'.89 E), has been temporarily removed.

Chart temporarily affected - Aus 827 - Aus 828 - AU419146

1323(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Deception Bay - Wreck

Maritime Safety Queensland Notice 751(T)/2009 (AA438766)

A stranded wreck marked by a special light buoy, *Fl.Y.2.5s*, exists in position 27° 09'.48 S 153° 03'.31 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236

1327(T)/2009 AUSTRALIA - QUEENSLAND - Weipa - Depth information

Former Notice - 1103(T)/2008 is cancelled

Maritime Safety Queensland Notice 759(T)/2009 (AA439470)

Available depths as at 16 November 2009:

| | <i>Metres</i> |
|---------------------------|---------------|
| South Channel | 11.1 |
| Departure Channel | 11.1 |
| Cora Bank South Channel | 7.3 |
| * Humbug Point Approaches | 8.5 |
| Humbug Point Berth | 9.5 |
| * Evans Landing | 9.4 |
| Lorim Point East | 12.3 |
| Lorim Point West | 12.3 |

* Indicates revised entry

Chart temporarily affected - Aus 4 - AU5XX4P1

1377(T)/2009 AUSTRALIA - QUEENSLAND - Brisbane River - Kangaroo Point - Harbour works

Date - Until 31 May 2010

Maritime Safety Queensland Notice 792(T)/2009 (AA442272)

Harbour works are in progress in position 27° 27'.99 S 153° 02'.26 E.

A silt curtain marked by flashing yellow lights exists in the vicinity.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 238 - AU5237X8

1378(T)/2009 AUSTRALIA - QUEENSLAND - Moreton Bay - Scarborough - Dredging operations

Date - Until 17 February 2010

Maritime Safety Queensland Notice 769(T)/2009 (AA440184)

Dredging operations are in progress in Scarborough Harbour in an area marked by light buoys, *Fl.R.3s*, bounded by the following positions:

- 27° 11'.57 S 153° 06'.39 E
- 27° 11'.56 S 153° 06'.49 E
- 27° 11'.59 S 153° 06'.54 E.

The dredges *Auckland*, *Westpark* and *Soundcem* are onsite and will display appropriate lights and shapes and will monitor VHF Ch 12.

Vessels transiting the harbour should do so by using the recognised harbour fairways that are situated south of the old pile mooring area. Vessels should not attempt to use the direct route located north of the old pile moorings, when travelling between the boat ramp and harbour entrance.

Mariners are advised to navigate with caution in the area.

| | |
|----------------------------|-----------------------------|
| 23° 46'.94 S 151° 12'.22 E | 23° 46'.98 S 151° 12'.17 E |
| 23° 47'.00 S 151° 12'.15 E | 23° 46'.95 S 151° 12'.05 E |
| 23° 46'.97 S 151° 12'.08 E | 23° 47'.01 S 151° 12'.10 E |
| 23° 47'.03 S 151° 12'.13 E | 23° 47'.04 S 151° 12'.15 E |
| 23° 47'.04 S 151° 12'.20 E | 23° 47'.06 S 151° 12'.23 E |
| 23° 47'.47 S 151° 12'.75 E | 23° 47'.51 S 151° 12'.73 E |
| 23° 47'.55 S 151° 12'.70 E | 23° 47'.51 S 151° 12'.79 E |
| 23° 47'.55 S 151° 12'.80 E | 23° 47'.55 S 151° 12'.77 E |
| 23° 47'.57 S 151° 12'.80 E | 23° 47'.58 S 151° 12'.76 E |
| 23° 47'.61 S 151° 12'.79 E | 23° 47'.60 S 151° 12'.81 E |
| 23° 47'.63 S 151° 12'.83 E | 23° 47'.66 S 151° 12'.85 E |
| 23° 47'.71 S 151° 12'.88 E | 23° 47'.44 S 151° 12'.76 E |
| 23° 47'.57 S 151° 12'.70 E | 23° 47'.47 S 151° 12'.80 E |
| 23° 47'.60 S 151° 12'.75 E | 23° 47'.54 S 151° 12'.82 E |
| 23° 47'.58 S 151° 12'.75 E | 23° 47'.59 S 151° 12'.83 E |
| 23° 47'.62 S 151° 12'.78 E | 23° 47'.62 S 151° 12'.86 E |
| 23° 47'.65 S 151° 12'.76 E | 23° 47'.62 S 151° 12'.88 E |
| 23° 47'.68 S 151° 12'.84 E | 23° 47'.47 S 151° 12'.74 E |
| 23° 47'.73 S 151° 12'.89 E | 23° 47'.55 S 151° 12'.75 E |
| | 23° 47'.66 S 151° 12'.82 E. |

All vessels will display appropriate shapes and lights and will monitor VHF Ch 13 and Ch 16.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 245 - AU5244X5

1448(T)/2009 AUSTRALIA - QUEENSLAND - Gladstone - Scientific instruments

Date - Until 1 March 2010

Maritime Safety Queensland Notice 819(T)/2009 (AA444934)

Special light buoys exist in the following positions:

| | |
|----------------------------|----------------------------|
| 23° 33'.73 S 151° 01'.18 E | 23° 43'.12 S 151° 08'.27 E |
| 23° 44'.69 S 151° 09'.68 E | 23° 42'.30 S 151° 08'.26 E |
| 23° 40'.89 S 151° 07'.61 E | 23° 39'.28 S 151° 05'.64 E |
| 23° 37'.00 S 151° 02'.64 E | 23° 43'.99 S 151° 09'.26 E |
| 23° 43'.08 S 151° 08'.78 E | 23° 44'.38 S 151° 10'.78 E |
| 23° 47'.48 S 151° 10'.73 E | 23° 47'.26 S 151° 12'.00 E |
| 23° 46'.02 S 151° 09'.54 E | 23° 45'.89 S 151° 10'.80 E |
| 23° 46'.64 S 151° 09'.30 E | 23° 46'.83 S 151° 11'.13 E |
| 23° 46'.35 S 151° 10'.95 E | 23° 45'.48 S 151° 10'.63 E |
| 23° 45'.07 S 151° 10'.31 E | 23° 47'.17 S 151° 11'.54 E |
| 23° 47'.60 S 151° 12'.52 E | 23° 47'.74 S 151° 13'.01 E |
| 23° 48'.09 S 151° 11'.12 E | 23° 48'.46 S 151° 10'.25 E |
| 23° 49'.18 S 151° 13'.28 E | 23° 49'.15 S 151° 14'.30 E |
| 23° 48'.68 S 151° 13'.60 E | 23° 48'.51 S 151° 12'.95 E |
| 23° 49'.98 S 151° 15'.68 E | 23° 50'.65 S 151° 20'.65 E |
| 23° 47'.81 S 151° 13'.61 E | 23° 46'.67 S 151° 15'.76 E |
| 23° 48'.63 S 151° 15'.42 E | 23° 48'.27 S 151° 17'.72 E |
| 23° 46'.99 S 151° 18'.40 E | 23° 49'.54 S 151° 18'.42 E |
| 23° 47'.86 S 151° 14'.12 E | 23° 47'.72 S 151° 16'.53 E |
| 23° 48'.09 S 151° 19'.15 E | 23° 51'.29 S 151° 19'.17 E |
| 23° 52'.58 S 151° 19'.79 E | 23° 51'.18 S 151° 17'.93 E |
| 23° 51'.06 S 151° 17'.21 E | 23° 51'.58 S 151° 18'.15 E |
| 23° 57'.67 S 151° 23'.26 E | 23° 55'.19 S 151° 21'.57 E |
| 23° 56'.78 S 151° 21'.43 E | 23° 45'.18 S 151° 18'.96 E |
| 23° 52'.89 S 151° 22'.65 E | 23° 57'.42 S 151° 29'.05 E |
| 24° 00'.83 S 151° 30'.55 E | 23° 59'.77 S 151° 27'.70 E |

Pink poly-floats exist in the following positions:

| | |
|----------------------------|----------------------------|
| 23° 44'.41 S 151° 11'.35 E | 23° 44'.20 S 151° 11'.87 E |
| 23° 43'.95 S 151° 12'.42 E | 23° 43'.79 S 151° 13'.02 E |
| 23° 43'.47 S 151° 13'.54 E | 23° 48'.58 S 151° 10'.13 E |
| 23° 48'.64 S 151° 10'.00 E | 23° 48'.48 S 151° 09'.97 E |
| 23° 48'.47 S 151° 09'.79 E | 23° 48'.54 S 151° 09'.81 E |
| 23° 48'.63 S 151° 09'.86 E | 23° 48'.75 S 151° 09'.82 E |
| 23° 48'.78 S 151° 09'.76 E | 23° 49'.15 S 151° 12'.16 E |
| 23° 49'.22 S 151° 12'.69 E | 23° 48'.82 S 151° 11'.97 E |
| 23° 51'.33 S 151° 10'.68 E | 23° 50'.96 S 151° 11'.12 E |
| 23° 50'.35 S 151° 11'.92 E | 23° 49'.56 S 151° 13'.05 E |
| 23° 49'.96 S 151° 13'.23 E | 23° 50'.40 S 151° 13'.04 E |
| 23° 50'.69 S 151° 12'.63 E | 23° 51'.13 S 151° 12'.53 E |
| 23° 51'.79 S 151° 11'.93 E | 23° 51'.58 S 151° 12'.29 E |

| | |
|----------------------------|----------------------------|
| 23° 52'.17 S 151° 11'.29 E | 23° 53'.40 S 151° 11'.38 E |
| 23° 54'.10 S 151° 11'.02 E | 23° 52'.73 S 151° 11'.72 E |
| 23° 50'.89 S 151° 14'.07 E | 23° 50'.61 S 151° 14'.42 E |
| 23° 51'.12 S 151° 14'.47 E | 23° 50'.92 S 151° 13'.48 E |
| 23° 51'.39 S 151° 14'.20 E | 23° 51'.60 S 151° 13'.89 E |
| 23° 50'.12 S 151° 15'.11 E | 23° 50'.28 S 151° 14'.99 E |
| 23° 50'.13 S 151° 14'.65 E | 23° 50'.37 S 151° 14'.34 E |
| 23° 50'.54 S 151° 13'.99 E | 23° 50'.91 S 151° 13'.89 E |
| 23° 49'.96 S 151° 14'.95 E | 23° 49'.80 S 151° 14'.87 E |
| 23° 49'.63 S 151° 14'.68 E | 23° 52'.82 S 151° 18'.89 E |
| 23° 52'.87 S 151° 19'.00 E | 23° 52'.62 S 151° 19'.33 E |
| 23° 54'.70 S 151° 18'.14 E | 23° 52'.71 S 151° 18'.68 E |
| 23° 53'.23 S 151° 18'.83 E | 23° 53'.68 S 151° 18'.65 E |
| 23° 54'.00 S 151° 18'.31 E | 23° 53'.93 S 151° 18'.69 E |
| 23° 53'.90 S 151° 18'.93 E | 23° 52'.21 S 151° 18'.20 E |
| 23° 51'.89 S 151° 18'.19 E | 23° 53'.52 S 151° 18'.10 E |
| 23° 53'.99 S 151° 18'.10 E | 23° 54'.34 S 151° 18'.26 E |
| 23° 52'.54 S 151° 18'.22 E | 23° 53'.01 S 151° 18'.17 E |
| 23° 53'.06 S 151° 17'.67 E | 23° 52'.88 S 151° 17'.58 E |
| 23° 52'.63 S 151° 17'.56 E | 23° 53'.37 S 151° 17'.78 E |
| 23° 53'.52 S 151° 17'.57 E | 23° 53'.72 S 151° 17'.59 E |
| 23° 53'.94 S 151° 17'.18 E | 23° 53'.13 S 151° 17'.96 E |
| 23° 55'.11 S 151° 17'.97 E | 23° 55'.52 S 151° 17'.67 E |
| 23° 55'.94 S 151° 17'.57 E | 23° 56'.38 S 151° 17'.78 E |
| 23° 56'.45 S 151° 18'.10 E | 23° 56'.99 S 151° 18'.73 E |
| 23° 57'.24 S 151° 18'.79 E | 23° 57'.14 S 151° 18'.97 E |
| 23° 56'.71 S 151° 18'.12 E | 23° 56'.89 S 151° 18'.31 E |
| 23° 57'.11 S 151° 18'.55 E | 23° 56'.94 S 151° 19'.53 E |
| 23° 57'.03 S 151° 20'.06 E | 23° 57'.48 S 151° 20'.32 E |
| 23° 57'.98 S 151° 20'.17 E | 23° 53'.06 S 151° 19'.11 E |
| 23° 53'.23 S 151° 19'.20 E | 23° 53'.44 S 151° 19'.19 E |
| 23° 53'.65 S 151° 19'.24 E | 23° 53'.85 S 151° 19'.27 E |
| 23° 54'.04 S 151° 19'.40 E | 23° 54'.22 S 151° 19'.54 E |
| 23° 54'.36 S 151° 19'.65 E | 23° 54'.49 S 151° 19'.80 E |
| 23° 54'.62 S 151° 19'.88 E | 23° 54'.54 S 151° 19'.93 E |
| 23° 54'.70 S 151° 19'.99 E | 23° 57'.23 S 151° 21'.61 E |
| 23° 57'.50 S 151° 21'.10 E | 23° 58'.52 S 151° 20'.10 E |
| 23° 58'.23 S 151° 20'.76 E | 23° 58'.68 S 151° 19'.39 E |
| 23° 58'.96 S 151° 19'.11 E | 24° 00'.25 S 151° 25'.50 E |
| 23° 59'.97 S 151° 25'.39 E | 23° 59'.94 S 151° 25'.06 E |
| 24° 00'.41 S 151° 25'.18 E | 24° 00'.21 S 151° 24'.90 E |
| 24° 00'.16 S 151° 24'.57 E | 24° 02'.23 S 151° 27'.90 E |
| 24° 02'.44 S 151° 28'.14 E | 24° 02'.65 S 151° 28'.33 E |
| 24° 02'.85 S 151° 28'.55 E | 24° 03'.20 S 151° 28'.51 E |
| 24° 03'.54 S 151° 28'.68 E | |

Chart temporarily affected - Aus 244 - Aus 245 - Aus 246 - Aus 247 - AU424151 - AU5244X5

1449(T)/2009 AUSTRALIA - QUEENSLAND - Percy Isles - Middle Island - Scientific instrument

Date - Until 31 March 2010

Maritime Safety Queensland Notice 811(T)/2009 (AA443483)

A special light beacon, *Fl.Y.3s*, exists in position 21° 39'.19 S 150° 14'.62 E.

Chart temporarily affected - Aus 822 - Aus 823 - AX 0822E - AX 0823E - AU322150

1451(T)/2009 AUSTRALIA - QUEENSLAND - Shute Bay - Obstructions

Maritime Safety Queensland Notice 800(T)/2009 (AA443468)

Obstructions exist in positions 20° 17'.52 S 148° 46'.90 E and 20° 17'.50 S 148° 46'.90 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 252 - Aus 253 - AU421148

54(T)/2010 AUSTRALIA - QUEENSLAND - Moreton Bay - Redcliffe - Scientific instrument southeastwards

Former Notice - 1239(T)/2009 is cancelled

Maritime Safety Queensland Notice 5(T)/2010 (AA447758)

A special light buoy, *F(5)Y.20s*, exists in position 27° 15'.14 S 153° 12'.00 E (WGS84 datum).

Mariners are not to use the buoy as a mooring.

Chart temporarily affected - Aus 236 - AU428153

56(T)/2010 AUSTRALIA - QUEENSLAND - Bundaberg - Depth information

Former Notice - 1014(T)/2009 is cancelled

Maritime Safety Queensland Notice 18(T)/2010 (AA448309)

Available depths as at 13 January 2010:

| | <i>Metres</i> |
|--------------|---------------|
| Sea Reach | 9.5 |
| Middle Reach | 9.5 |
| Inner Reach | 9.5 |
| Swing Basin | 8.0 |
| * Oil Berth | 9.1 |
| * BST Berth | 10.7 |

The deep draught departure channel from the BST berth to Middle Reach has a depth of 9.1m.

* Indicates revised entry.

Chart temporarily affected - Aus 242 - Aus 243 - AU5XX242

59(P)/2010 AUSTRALIA - QUEENSLAND - Hay Point - Anchorages established

Date - On or about 24 December 2009

Maritime Safety Queensland Notices 857/2009, 858/2009 (AA447784, AA447785)

Anchorages exist as follows:

| <i>Anchorage desig</i> | <i>Position</i> | <i>Radius of swinging circle in metres</i> |
|------------------------|----------------------------|--|
| OS42 | 21° 14'.50 S 149° 32'.50 E | 1390 |
| OS43 | 21° 14'.50 S 149° 34'.20 E | 1390 |
| OS44 | 21° 14'.50 S 149° 42'.00 E | 1390 |
| OS45 | 21° 14'.60 S 149° 44'.30 E | 1850 |
| OS46 | 21° 14'.60 S 149° 46'.55 E | 1850 |
| OS47 | 21° 14'.60 S 149° 48'.80 E | 1850 |
| OS48 | 21° 14'.60 S 149° 51'.05 E | 1850 |
| OS49 | 21° 14'.60 S 149° 53'.30 E | 1850 |
| OS50 | 21° 12'.65 S 149° 52'.30 E | 1850 |
| OS51 | 21° 10'.47 S 149° 52'.30 E | 1850 |
| OS52 | 21° 08'.41 S 149° 49'.40 E | 1850 |
| OS53 | 21° 08'.41 S 149° 51'.60 E | 1850 |
| OS54 | 21° 06'.32 S 149° 46'.60 E | 1850 |
| OS55 | 21° 06'.32 S 149° 48'.80 E | 1850 |
| OS56 | 21° 06'.32 S 149° 51'.00 E | 1850 |
| OS57 | 21° 04'.25 S 149° 43'.70 E | 1850 |
| OS58 | 21° 04'.25 S 149° 45'.90 E | 1850 |
| OS59 | 21° 04'.25 S 149° 48'.10 E | 1850 |
| N21 | 21° 10'.00 S 149° 21'.00 E | 795 |
| N22 | 21° 10'.00 S 149° 22'.00 E | 795 |
| N23 | 21° 10'.00 S 149° 23'.00 E | 795 |
| N24 | 21° 10'.00 S 149° 24'.00 E | 795 |
| N25 | 21° 10'.00 S 149° 25'.00 E | 795 |
| N26 | 21° 10'.00 S 149° 26'.00 E | 795 |
| N27 | 21° 10'.00 S 149° 27'.00 E | 795 |
| N28 | 21° 10'.00 S 149° 28'.00 E | 795 |
| N29 | 21° 10'.00 S 149° 29'.00 E | 795 |

Note: charts will be updated in due course.

Chart which will be affected - Aus 249 - Aus 823 – AX 0249E – AX 0823E - AU422149

62(T)/2010 AUSTRALIA - QUEENSLAND - Townsville - Ross River - Harbour works

Former Notice - 1192(T)/2009 is cancelled

Maritime Safety Queensland Notices 648(T)/2009, 849(T)/2009 (AA432006, AA447012)

Abutment works for the Townsville Port Access Road Bridge are in progress.

A port lateral light buoy, *Fl.R.2-5s*, exists in position 19° 16'.16 S 146° 50'.13 E, which marks the extremity of the works.

A starboard lateral light buoy, *Fl.G.2-5s*, exists in position 19° 16'.13 S 146° 50'.13 E, which marks the abutment rock walls that are being constructed.

A silt curtain will enclose the reclamation works in preparation for the construction of the rock wall and bridge embankment. The works are expected to protrude approximately 50m into the river from the eastern bank and will be lit by flashing lights.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 257 - AU5XX257

63(T)/2010 AUSTRALIA - QUEENSLAND - Townsville - Depth information

Former Notice - 1286(T)/2009 is cancelled

Maritime Safety Queensland Notice 711(T)/2009 (AA447013)

Available depths as at 22 December 2009:

| | <i>Metres</i> | <i>Remarks</i> |
|--------------------------|---------------|---|
| Sea Channel | 11.8 | |
| * Platypus Channel | 11.8 | |
| Outer Harbour: | | |
| Arrival Channel | 7.6 | West of a line from dolphin across end of berth pocket to edge of arrival channel |
| * Departure Channel | 11.9 | |
| Inner Harbour: | | |
| Harbour | 12.0 | |
| Berths: | | |
| * No 1 | 11.9 | |
| * No 2 | 12.2 | |
| * No 3 | 12.1 | |
| * No 4 | 10.3 | |
| * No 7 | 11.1 | |
| * No 8 | 9.9 | |
| * No 9 | 12.0 | |
| No 10 | 9.6 | To seaward dolphin |
| * No 11 | 12.3 | |
| CB Marine | 1.9 | |
| Between No 7 and No 8 | 10.4 | Seaward of zero mark at No 7 |
| * Between No 9 and No 10 | 10.6 | Seaward of zero mark at No 10 |
| * Ross River Channel | 2.1 | |
| Ross Creek | - | No declared depth |

* Indicates revised entry.

Chart temporarily affected - Aus 256 - Aus 257 - AU5XX257

65(T)/2010 AUSTRALIA - TORRES STRAIT - Madge Reef - Light beacon unlit

Maritime Safety Queensland Notice 11(T)/2010 (AA448142)

The light beacon (10° 35'.22 S 142° 14'.36 E (WGS84 datum)) is unlit.

Chart temporarily affected - Aus 293 - Aus 299 - AU311142 - AU5XX299

66(T)/2010 AUSTRALIA - QUEENSLAND - Weipa - Albatross Bay - Obstruction

Maritime Safety Queensland Notice 860(T)/2009 (AA447000)

A lost anchor exists in anchorage A in position 12° 43'.5 S 141° 39'.0 E.

Chart temporarily affected - Aus 4

67(T)/2010 AUSTRALIA - QUEENSLAND - Karumba - Shoaling; light buoys established

Former Notice - 1195(T)/2009 is cancelled

Maritime Safety Queensland Notice 853(T)/2009 (AA447001)

Shoaling exists in the entrance channel.

The channel realignment is marked by special light buoys, *Fl. Y.2-5s*, in the following positions:

17° 26'.74 S 140° 45'.23 E

17° 26'.62 S 140° 45'.02 E

17° 26'.44 S 140° 44'.91 E.

Chart temporarily affected - Aus 6

123(T)/2010 AUSTRALIA - QUEENSLAND - Point Danger to Point Lookout - Scientific instruments

Former Notice - 1236(T)/2009 is cancelled

Maritime Safety Queensland Notice 44(T)/2010 (AA451166)

Special light buoys, *Fl(5)Y.20s*, exist in positions (WGS84 datum):

28° 10'.84 S 153° 34'.58 E

27° 58'.01 S 153° 26'.52 E

27° 29'.53 S 153° 37'.76 E.

Mariners are not to use these buoys as moorings.

Chart temporarily affected - Aus 230 - Aus 813 - Aus 814

124(T)/2010 AUSTRALIA - QUEENSLAND - Moreton Bay - Ship to ship transfer

Date - Until 26 April 2010

Maritime Safety Queensland Notice 59(T)/2010 (AA451723)

Ship to ship transfer of LPG will be conducted at STS1 anchorage (27° 17'.15 S 153° 16'.56 E). An exclusion zone (1850 metres radius) exists around transfer operations.

Brisbane Harbour will promulgate the commencement and completion of the transfer operations on VHF Ch 12.

Chart temporarily affected - Aus 236 - AU428153

125(T)/2010 AUSTRALIA - QUEENSLAND - Moreton Bay - Pelican Banks - Light beacon destroyed; light buoys established

Maritime Safety Queensland Notice 46(T)/2010 (AA451535)

The starboard lateral light beacon, *Fl.G.2.5s* (27° 33'.90 S 153° 24'.26 E), has been destroyed; a starboard lateral light buoy, *Fl.G.2.5s* exists in situ.

Chart temporarily affected - Aus 236 - AU428153

127(T)/2010 AUSTRALIA - QUEENSLAND - Brisbane River - Old Bar Cutting - Light beacon destroyed; light buoy established

Maritime Safety Queensland Notice 50(T)/2010 (AA451536)

No1 starboard lateral light beacon (27° 20'.08 S 153° 10'.09 E) has been destroyed; a starboard lateral light buoy, *Fl.G.2.5s* exists in situ.

Chart temporarily affected - Aus 236 - Aus 237 - AU428153 - AU5237X8

128(T)/2010 AUSTRALIA - QUEENSLAND - Moreton Bay - Redcliffe - Scientific instrument southeastwards

Former Notice - 54(T)/2010 is cancelled

Maritime Safety Queensland Notice 44(T)/2010 (AA451166)

A special light buoy, *Fl(5)Y.20s*, exists in position 27° 15'.10 S 153° 11'.94 E (WGS84 datum).

Mariners are not to use the buoy as a mooring.

Chart temporarily affected - Aus 236 - AU428153

132(T)/2010 AUSTRALIA - QUEENSLAND - Lisa Jane Shoals - Scientific instrument

Former Notice - 1305(T)/2008 is cancelled

Maritime Safety Queensland Notice 44(T)/2010 (AA451166)

A special light buoy, *Fl(5)Y.20s*, exists in position 23° 18'.38 S 151° 04'.51 E.

Mariners are not to use this buoy as a mooring.

Chart temporarily affected - Aus 247 - Aus 819 - Aus 820 - AU424151

134(T)/2010 AUSTRALIA - QUEENSLAND - Cape Cleveland - Scientific instrument

Former Notice - 1198(T)/2008 is cancelled

Maritime Safety Queensland Notice 44(T)/2010 (AA451166)

A special light buoy, *Fl(5)Y.20s*, exists in position 19° 09'.63 S 147° 03'.50 E.

Mariners are not to use this buoy as a mooring.

Chart temporarily affected - Aus 256 - Aus 827 - AU320147

135(T)/2010 AUSTRALIA - QUEENSLAND - Mourilyan Harbour - Harbour works

Date - Until 27 August 2010

Maritime Safety Queensland Notice 51(T)/2010 (AA451605)

Harbour works associated with construction of a breakwater, boat ramp and floating walkway are in progress (17° 36'.05 S 146° 07'.50 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 258 - AU5258P1

136(T)/2010 AUSTRALIA - QUEENSLAND - Cairns - Trinity Inlet - Harbour works

Date - Until 30 April 2010

Maritime Safety Queensland Notice 34(T)/2010 (AA451274)

Works associated with wharf fender repairs are in progress at berths No7 (16° 55'.86 S 145° 46'.81 E) and No8 (16° 55'.90 S 145° 46'.80 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 263 - AU5262X4

168(T)/2010 AUSTRALIA - QUEENSLAND - Point Lookout - Wreck northwestwards

Maritime Safety Queensland Notice 116(T)/2010 (AA453469)

A wreck exists in position 27° 23'.75 S 153° 30'.74 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236 - Aus 814 - AU428153

169(T)/2010 AUSTRALIA - QUEENSLAND - Moreton Bay - Russell Island - Wreck

Maritime Safety Queensland Notice 128(T)/2010 (AA453970)

A wreck exists in position 27° 38'.69 S 153° 22'.76 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 236

170(T)/2010 AUSTRALIA - QUEENSLAND - Gladstone - Obstructions

Maritime Safety Queensland Notice 79(T)/2010 (AA452385)

Anchorage E2 (23° 51'.0 S 151° 35'.6 E) and N12 (23° 51'.0 S 151° 27'.8 E) are closed due to lost anchors.

Chart temporarily affected - Aus 246 - Aus 819 - AU424151

171(T)/2010 AUSTRALIA - QUEENSLAND - Gladstone - Boyne River - Light beacons destroyed

Maritime Safety Queensland Notice 105(T)/2010 (AA453117)

The light beacons at the entrance to Boyne River (23° 55'.85 S 151° 21'.55 E), have been damaged or destroyed.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 246 - AU424151

172(T)/2010 AUSTRALIA - QUEENSLAND - Gladstone - Auckland Channel - Light buoy withdrawn

Maritime Safety Queensland Notice 75(T)/2010 (AA453140)

A6 light buoy (23° 50'.17 S 151° 16'.55 E) has been temporarily withdrawn.

Chart temporarily affected - Aus 244 - Aus 245 - AU5244X5

174(T)/2010 AUSTRALIA - QUEENSLAND - Great Keppel Island - Light beacon destroyed

Maritime Safety Queensland Notice 107(T)/2010 (AA453346)

The isolated danger light beacon (23° 09'.18 S 150° 56'.31 E (WGS84 datum)) has been destroyed.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 366 - Aus 367 - Aus 819 - Aus 820 – AX 0367E – AX 0820E - AU424150

175(T)/2010 AUSTRALIA - QUEENSLAND - Coral Point - Light beacon destroyed

Maritime Safety Queensland Notice 89(T)/2010 (AA452874)

The light beacon, *Fl.G.2.5s* (21° 22'.10 S 149° 18'.75 E), has been destroyed; a starboard lateral light buoy, *Fl.G.3s*, exists in situ.

Chart temporarily affected - Aus 249 - Aus 823 – AX 0249E – AX 0823E - AU422149

176(T)/2010 AUSTRALIA - QUEENSLAND - Hay Point to Bailey Islet - Scientific instruments

Former Notice - 133(T)/2010 is cancelled

Maritime Safety Queensland Notice 99(T)/2010 (AA452865)

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

21° 16'.32 S 149° 18'.70 E

21° 02'.37 S 149° 32'.75 E.

Mariners are not to use these buoys as moorings.

Chart temporarily affected - Aus 249 - Aus 250 - Aus 823 - Aus 824 – AX 0249E – AX 0823E - AU422149 - AU5250P2

220(T)/2010 AUSTRALIA - QUEENSLAND - Gladstone - Depth information

Former Notice - 130(T)/2010 is cancelled

Maritime Safety Queensland Notice 145(T)/2010 (AA455193)

Available depths as at 24 November 2009:

| <i>Metres</i> | <i>Remarks</i> |
|------------------------------------|----------------|
| Sea Channels: | |
| * Wild Cattle Cutting | 16.1 |
| Boyne Island Cutting | 16.3 |
| Boyne Island Extension Channel | 9.0 |
| * Golding Cutting | 16.1 |
| South Bypass Channel | 7.4 |
| * Gatcombe Channel | 16.3 |
| Gatcombe Bypass Channel | 13.4 |
| Inner Channels: | |
| Auckland Channel | 15.8 |
| Auckland Bypass Channel | 6.8 |
| Clinton Channel | 16.0 |
| Clinton Bypass Channel | 10.6 |
| Clinton Swing Basin | 10.9 |
| Targinie Channel | 10.6 |
| Targinie Swing Basin East | 10.9 |
| Targinie Swing Basin West | 8.9 |
| Berths: | |
| Boyne Smelter Wharf | 15.0 |
| South Trees East Wharf | 13.8 |
| South Trees West Wharf | 13.0 |
| Barney Point Wharf (east approach) | 13.5 |
| Barney Point Wharf (west approach) | 11.5 |
| Barney Point Wharf | 15.0 |
| Auckland Point No 1 Wharf | 11.3 |
| Auckland Point No 2 Wharf | 11.3 |
| Auckland Point No 3 Wharf | 11.4 |
| Auckland Point No 4 Wharf | 11.3 |
| Clinton No 1 Wharf | 19.2 |
| Clinton No 2 Wharf | 18.4 |
| Clinton No 3 Wharf | 18.6 |
| Clinton No 4 Wharf | 19.1 |
| Fishermans Landing Wharf No 1 | 13.6 |
| Fishermans Landing Wharf No 2 | 13.3 |
| Fishermans Landing Wharf No 4 | 11.4 |
| Fishermans Landing Wharf No 5 | 11.4 |

* Indicates revised entry.

Chart temporarily affected - Aus 244 - Aus 245 - Aus 246 - AU424151 - AU5244X5

221(T)/2010 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Live firing

Date - Until 14 March 2010

Maritime Safety Queensland Notice 95(T)/2010 (AA452866)

Live firing activities will be conducted in the Shoalwater Bay training area during the period 7 March to 13 March 2010.

A marine danger area extends to all waters within a 3M radius of position 22° 23'.0 S 150° 30'.3 E.

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

Chart temporarily affected - Aus 260 - Aus 367 - Aus 822 – AX 0260E – AX 0367E – AX 0822E – AX 60260 - AU423150

222(T)/2010 AUSTRALIA - QUEENSLAND - Freshwater Point to Slade Island - Scientific instruments

Date - Until 31 October 2010

Maritime Safety Queensland Notices 171/2010, 172/2010 (AA455890, AA455891)

Special light buoys, Q. Y, exist in positions:

21° 24'.90 S 149° 20'.17 E

21° 19'.15 S 149° 19'.45 E

21° 10'.64 S 149° 15'.97 E

21° 05'.69 S 149° 14'.61 E.

Chart temporarily affected - Aus 249 - Aus 250 - Aus 823 – AX 0249E – AX 0823E - AU422149 - AU5250P1

226(T)/2010 AUSTRALIA - QUEENSLAND - Halifax Bay - Light buoys established

Date - Until 12 April 2010

Maritime Safety Queensland Notice 131(T)/2010 (AA455251)

Special light buoys, Q, exist in the following positions:

19° 08'.77 S 146° 39'.69 E

19° 09'.21 S 146° 38'.21 E

19° 08'.37 S 146° 45'.25 E

19° 07'.11 S 146° 35'.62 E

18° 57'.89 S 146° 25'.43 E.

Chart temporarily affected - Aus 256 - Aus 827 - AU419146 - AU420146

228(T)/2010 AUSTRALIA - QUEENSLAND - Karumba - Depth information

Former Notice - 512(T)/2009 is cancelled

Maritime Safety Queensland Notices 505(T)/2008, 138(T)/2010 (AA354877, AA455280)

Available depths as at 15 February 2010:

| <i>Berth</i> | <i>Metres</i> |
|----------------------------------|---------------|
| * Entrance Channel | 3.2 |
| Mobil/Trinity Wharf | 6.3 |
| Raptis Wharf | 5.3 |
| Ruby Marine Wharf | 5.3 |
| Gulf Freight Services Wharf | 6.2 |
| Karumba Cold Stores Wharf | 6.2 |
| Seaswift/Shell Wharf | 6.2 |
| Karumba Livestock Loading Wharf | 5.4 |
| Gulf Freight Services Ramp/Wharf | 4.6 |
| Pasminco Export Wharf | 4.2 |

* Indicates revised entry.

Chart temporarily affected - Aus 6

NORTHERN TERRITORY

950(T)/2004 AUSTRALIA - NORTHERN TERRITORY - Troubadour Shoals - Scientific instruments.

*Former Notice - 849(T)/2002 is cancelled
MetOcean (A113058).*

Scientific instruments, marked by white floats, exist in positions (WGS 84) as follows:

11° 32'.76 S 128° 14'.54 E
11° 32'.46 S 128° 14'.43 E
11° 09'.78 S 128° 10'.90 E
11° 09'.88 S 128° 10'.70 E
10° 25'.46 S 128° 13'.59 E
10° 25'.49 S 128° 13'.32 E
9° 49'.63 S 128° 10'.18 E
9° 49'.62 S 128° 09'.92 E
9° 38'.27 S 128° 07'.50 E
9° 38'.27 S 128° 07'.19 E

* Indicates new or revised position.

Mariners are not to use the buoys as a mooring.

Chart temporarily affected - Aus 309 - Aus 311 - Aus 315 - AX 70309.

476(T)/2006 AUSTRALIA - TIMOR SEA - Sahul Banks - Bayu-Undan - Scientific instruments.

*Former Notice - 840(T)/2005 is cancelled
MetOcean (A192369).*

Scientific instruments, marked by special light buoys, *Fl(5)Y.20s*, exist in positions:

11° 04'.61 S 126° 35'.40 E
11° 04'.95 S 126° 35'.90 E

Chart temporarily affected - Aus 312.

662(T)/2007 AUSTRALIA - NORTHERN TERRITORY - Darwin - Depth information

*Former Notice - 1134(T)/2006 is cancelled
Darwin Port Corp Notice 19/2006 (A200619)*

Available depths as at July 2007:

| <i>Berths</i> | <i>Metres</i> |
|-------------------|---------------|
| East Arm 0-300m | 12.2 |
| East Arm 300-600m | 12.5 |
| East Arm BLB | 11.6 |

Available depths as at December 2004:

| | |
|-------------------------|------|
| No 1 Iron Ore | 11.7 |
| No 2 Fort Hill East | 9.1 |
| No 2 Fort Hill West | 10.2 |
| No 3 Stokes Hill East | 6.6 |
| No 3 Stokes Hill West | 6.4 |
| No 4 Stokes Hill East | 3.1 |
| No 4 Stokes Hill Middle | 2.8 |
| No 4 Stokes Hill West | 4.3 |

* Indicates new or revised entry.

Chart temporarily affected – Aus 28

982(T)/2008 AUSTRALIA - TIMOR SEA - Osborn Passage - Drilling operations

*Former Notice - 467(T)/2008 is cancelled
Date - Until 28 February 2009
Coogee Resources (AA360753, AA353657, AA360912)*

Drill rig *West Atlas* is undertaking drilling operations for the Montara Development.

Construction vessels will be on site from September 2008.

A production platform marked by two fixed white lights will be established in position 12° 40'.34 S 124° 32'.37 E

A FPSO will be established in position 12° 39'.59 S 124° 32'.68 E.

Subsea moorings will be established in positions:

12° 30'.08 S 124° 25'.09 E

12° 31'.50 S 124° 27'.56 E

12° 32'.49 S 124° 26'.63 E

Unlit mooring buoys exist in positions 12° 40'.66 S 124° 32'.68 E and 12° 41'.96 S 124° 32'.31 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 314 - Aus 319 - Aus 4721 (INT 721) - Aus 4722 (INT 722) - AU313124

222(T)/2009 AUSTRALIA - NORTHERN TERRITORY - Darwin - Cullen Bay - Light buoy off station
Darwin Port Corporation (AA384605)

The port lateral light buoy, Q.R, (12° 27'.11S 130° 48'.84 E) is off station.

Chart temporarily affected - Aus 24 - AU5XXX24

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

Former Notice - 671(T)/2008 is cancelled

Modem 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 - AX 0312F - AX 4721F - Aus 4721(INT 721) - AU311126

790(P)/2009 AUSTRALIA - NORTHERN TERRITORY - Melville Island - Cape Gambier - Reef delineation

Former Notice - 882(P)/2006 is cancelled

HMAS *Mermaid* (AA202844)

The drying edge of the reef to west of Cape Gambier has been found to lie 200m to 300m SW of charted position.

Mariners are advised to navigate with caution in the area.

Chart which will be affected – Aus 20

69(T)/2010 AUSTRALIA - TIMOR SEA - Seismic survey

Date - Until 31 March 2010

Petroleum Geo-Services (AA448210, AA448211)

MV *Beaufort Explorer* with a 8500m towed array is conducting a survey in the area bounded by the following positions (WGS84 datum):

13° 35'.0 S 128° 00'.0 E

12° 55'.0 S 129° 25'.0 E

10° 55'.0 S 129° 35'.0 E

10° 45'.0 S 135° 10'.0 E

8° 55'.0 S 133° 25'.0 E

9° 50'.0 S 128° 05'.0 E

12° 15'.0 S 122° 50'.0 E.

Chart temporarily affected - Aus 308 - Aus 309 - Aus 310 - Aus 311 - Aus 312 - Aus 313 - Aus 314 - Aus 315 - Aus 316 - Aus 317 - Aus 318 - Aus 321 - Aus 322 - Aus 442 - Aus 721 - Aus 725 - Aus 4720 (INT 720) - Aus 4721 (INT 721) - Aus 4722 (INT 722) – AX 0309F – AX 0310F – AX 0311F – AX 0312F – AX 0313F – AX 0314F – AX 0315F – AX 0317F – AX 0321F – AX 0322F – AX 4720F – AX 4721F – AX 4722F – AX 72309 - AU130120 - AU310127 - AU310128 - AU310130 - AU311125 - AU311126 - AU311127 - AU311128 - AU311130 - AU311131 - AU311132 - AU312122 - AU312123 - AU312124 - AU312125 - AU312126 - AU312127 - AU312128 - AU313121 - AU313123 - AU313124 - AU313125 - AU313126 - AU313127 - AU313128 - AU314124 - AU314125 - AU314127 - AU314128 - AU411129 - AU412129 - AU413129 - AU414126

WESTERN AUSTRALIA

523(T)/2004 WESTERN AUSTRALIA - Dampier Archipelago - Scientific instruments northwestwards.
Former Notice - 307(T)/2004 is cancelled
MetOc (A90105).

Scientific instruments exist as follows:

| <i>Position</i> | <i>Remarks</i> |
|----------------------------|------------------|
| 19° 35'.95 S 116° 07'.44 E | <i>Fl. Y. 5s</i> |
| 19° 35'.85 S 116° 07'.43 E | <i>Fl. Y. 5s</i> |

Chart temporarily affected - Aus 327 - Aus 415.

800(P)/2005 INDIAN OCEAN - Cocos Islands - Light beacon.

Date - On or about 30 June 2006
Former Notice - 641(P)/2004 is cancelled
CI Ports (A157789).

A light beacon, the front lead for the amended shipping entrance leading line 194.3°, will be established in position 12° 06'.328 S 96° 51'.789 E.

A special spar light buoy, *Iso. Y. 2s*, exists in situ.

Chart which will be affected - Aus 607.

729(T)2006 WESTERN AUSTRALIA - Albany - Light beacon; light buoy.

List of Lights Vol K/2006 - 1803.7
Albany Port Authority (A198134).

The No 7 light beacon has been removed; a starboard lateral spar light buoy, *Fl.G. 1.5s*, exists in situ.

Chart temporarily affected - Aus 109.

1135(T)/2006 INDIAN OCEAN - Scientific instruments.

UKHO (A210240, A210241).

Scientific instruments exist in positions:

| |
|------------------------|
| 1° 31'.2 N 90° 06'.8 E |
| 0° 02'.3 N 89° 52'.8 E |
| 1° 34'.2 N 80° 33'.5 E |
| 0° 01'.1 N 80° 31'.7 E |
| 1° 30'.3 S 80° 32'.4 E |

5M clearance is requested.

Chart temporarily affected - Aus 4071.

893(T)/2007 AUSTRALIA - WESTERN AUSTRALIA - Broome - Red Bluff - Wreck

Broome Port Authority (AA286647), Wreck is MV *Ida Lloyd*.

A wreck exists in position 17° 51'.0 S 122° 12'.1 E.

Chart temporarily affected - Aus 50

1034(T)/2007 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Depth information

Former Notice - 705(T)/2007 is cancelled
Dampier Port Authority Notice 48/2007 (AA295909)

Available depths as at 7 November 2007:

| | <i>Metres</i> |
|-------------------------|---------------|
| East Intercourse Island | 20.0 |
| Ell Layby berth | 19.3 |
| PPT1 | 17.2 |
| PPT2 | 18.0 |
| PPT3 | 18.0 |
| PPT4 | 18.0 |
| PPT5 | 18.0 |

| | |
|---------------------------------------|-----|
| Service Wharf | 6.7 |
| * Mermaid Mariner Supply Base Channel | 5.4 |
| * Berthing pocket | 7.2 |
| * Indicates revised entry. | |

Chart temporarily affected - Aus 57 - Aus 58 - Aus 59

218(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Mermaid Sound - Anchorages
Port of Dampier Notice 2/2008 (AA313317)

The Supply Vessel and Small Craft Anchorage centred on 20° 35'.413 S 116° 44'.545 E (WGS84 Datum) has been temporarily revoked.

Vessels awaiting Dampier Cargo Wharf berth allocation are to use a Supply Vessel and Small Craft Anchorage within the following positions:

20° 35'.924 S 116° 44'.638 E
20° 35'.262 S 116° 44'.066 E
20° 34'.980 S 116° 43'.811 E
20° 35'.257 S 116° 43'.445 E
20° 35'.545 S 116° 43'.709 E
20° 36'.164 S 116° 44'.338 E

Vessels awaiting berth allocation at either King Bay Supply Base or Mermaid Marine Supply Base will use the Philip Point Anchorage, within the following positions:

20° 36'.525 S 116° 43'.944 E
20° 37'.155 S 116° 44'.622 E
20° 37'.589 S 116° 43'.961 E

All vessels using this anchorage should ensure that a minimum of 100 metres distance from the Naval Buoy (20° 37'.533 S 116° 44'.516 E) is maintained.

PIE3 Anchorage been amended as follows:

20° 35'.285 S 116° 41'.987 E
20° 36'.192 S 116° 42'.683 E
20° 36'.688 S 116° 41'.711 E

Approval to use this anchorage must be sought from Dampier Port Communications on VHF 11.

Chart temporarily affected - Aus 57 - Aus 58 - Aus 59

259(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Light buoy established
Dampier Port Authority Notice 5/2008 (AA316219)

A special pillar light buoy, *Fl.Y.3s*, exists in position 20° 34'.56 S 116° 45'.39 E.

Chart temporarily affected - Aus 58 - Aus 59

260(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Dampier – Mermaid Sound – Harbour works; exclusion zone
Dampier Port Authority Notices 3/2008 & 6/2008 (AA316310, AA316886, AA316887)

Harbour works are in progress in the vicinity of Holden Point (20° 36'.2 S 116° 45'.5 E) for the Pluto Project.

An exclusion zone exists around Holden Point with radius 0.5M from point 20° 36'.199 S 116° 45'.498 E.

All vessels other than those which have been approved and are associated with the project are required to stay clear of the area.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 57 - Aus 58 - Aus 59

470(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Rous Head - Obstruction; submarine pipeline; light buoys

Former Notice - 175(T)/2007 is cancelled
Fremantle Ports Notice 5/2008 (AA329704, AA329863)

A subsurface power generating structure exists within an exclusion zone marked by cardinal pillar light buoys with topmarks in positions:

| <i>Position (WGS84 datum)</i> | <i>Remarks</i> |
|-------------------------------|----------------|
|-------------------------------|----------------|

32° 02'.72 S 115° 43'.73 E north cardinal Q
32° 02'.83 S 115° 43'.73 E south cardinal Q(6)+LFl.15s
32° 02'.77 S 115° 43'.79 E east cardinal Q(3)10s
32° 02'.77 S 115° 43'.67 E west cardinal Q(9)15s

A special spherical light buoy, Q(5)Y.20s, exists in position 32° 02'.76 S 115° 43'.72 E.

A submerged pipeline connects the structure to the shore in position 32° 02'.76 S 115° 43'.92 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 112 - Aus 113 – AX 63112

616(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Esperance - Depth information
Esperance Port Authority (AA340362)

Available depths as of 26 May 2008:

| <i>Location</i> | <i>Metres</i> |
|------------------|---------------|
| Berth No 1 and 2 | 13.6 |
| Berth No 3 | 18.6 |
| Entrance Channel | 18.0 |

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 119

764(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Emu Point - Light
Albany Port Authority (AA348244)

The light (34° 59'.95 S 117° 56'.75 E (WGS84 datum)) is temporarily altered to *F.Bu*.

Chart temporarily affected - Aus 110 - Aus 118 - Aus 759

827(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Lights established
Port Hedland Port Authority Notice 14/2008 (AA352255)

Temporary leading lights, *F.Bu* bearing 007°, exist in positions 20° 19'.058 S 118° 34'.555 E and 20° 18'.906 S 118° 34'.576 E. They mark the edge of the shallow area 9.3 metres.

Chart temporarily affected - Aus 54

946(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Geraldton - Depth information
Geraldton Port Authority (AA358403, AA358405)

Available depths as at 27 September 2007:

| <i>Berth</i> | <i>Metres</i> |
|---|---------------|
| No 1 | 9.8 |
| No 2 | 9.8 |
| No 3 | 12.5 |
| No 4 | 12.6 |
| No 5 | 13.3 |
| No 6 | 12.3 |
| <i>Channel</i> | |
| Harbour Basin | 12.4 |
| Inside western breakwater beacon 20 to 22 | 12.8 |
| Beacon 20 | 13.1 |
| Beacon 16 to 20 | 13.5 |
| Beacon 4 to 14 | 14.0 |
| Beacon 2 | 14.8 |

Chart temporarily affected - Aus 81

1052(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Yampi Sound - Parakeet Channel - Comber Rock - Buoy off station
Department for Planning and Infrastructure (AA362535)

The isolated danger buoy (16° 06'.44 S 123° 39'.61 E (WGS84 datum)) is off station.

Chart temporarily affected – Aus 40 – Aus 732 – Aus 733

1254(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Scientific instruments

Former Notice - 74(T)/2008 is cancelled
MetOcean Engineers (AA370839, AA371914)

Scientific instruments exist as follows:

| <i>Position (WGS84 datum)</i> | <i>Remarks</i> |
|-------------------------------|----------------|
| 20° 15'.54 S 118° 33'.81 E | 5 poly floats |
| 20° 13'.60 S 118° 30'.63 E | 5 poly floats |
| 20° 10'.62 S 118° 30'.50 E | 5 poly floats |
| 20° 08'.07 S 118° 23'.87 E | 5 poly floats |
| 20° 08'.05 S 118° 24'.15 E | 5 poly floats |
| 20° 08'.02 S 118° 24'.10 E | Fl(5)Y.20s |
| 20° 07'.88 S 118° 23'.89 E | 5 poly floats |
| 20° 07'.84 S 118° 24'.26 E | Fl(5)Y.20s |
| 20° 07'.83 S 118° 24'.20 E | 5 poly floats |

Chart temporarily affected - Aus52 - Aus53 - Aus54 - Aus739 - Aus740

1255(T)/2008 AUSTRALIA - WESTERN AUSTRALIA - Glomar Shoal - Scientific instruments northwards

Former Notice - 1032(T)/2007 is cancelled
MetOcean Engineers (AA371914)

Scientific instruments exist as follows:

| <i>Position (WGS 84 datum)</i> | <i>Remarks</i> |
|--------------------------------|----------------|
| 18° 45'.87 S 117° 02'.55 E | Fl(5)Y.20s |
| 19° 31'.43 S 117° 03'.15 E | Fl(5)Y.20s |

Chart temporarily affected - Aus327

100(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Scientific instrument northwestwards

Former Notice - 672(T)/2008 is cancelled
Date - Until 28 February 2009
Shell Development (Australia) Pty Ltd (AA378754)

A scientific instrument exists in position 13° 30'.92 S 123° 20'.08 E.

Chart temporarily affected - Aus 319 – AX 0319F - AU314123

273(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Anchorages

Fremantle Ports Notice 1(T)/2009 (AA387280)

Anchorages with a 500 metre radius swinging circle exist as follows:

| <i>Desig</i> | <i>Position</i> |
|--------------|----------------------------|
| O1 | 31° 53'.23 S 115° 38'.91 E |
| O2 | 31° 54'.04 S 115° 39'.25 E |
| O3 | 31° 54'.49 S 115° 40'.14 E |
| O4 | 31° 55'.07 S 115° 39'.07 E |
| O5 | 31° 55'.58 S 115° 39'.88 E |
| O6 | 31° 55'.94 S 115° 38'.94 E |
| O7 | 31° 56'.44 S 115° 39'.79 E |

Chart temporarily affected – Aus 112 – Aus 754 – AX 0754E – AX 63112 – AX 66002

331(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Harbour works

Date - Until 28 February 2010
Port Hedland Port Authority Notice 3/2009 (AA390591)

Works associated with the construction of the new Utah Point berth facility are in progress.

The area bounded by the following positions (WGS84 datum) is prohibited to all recreation vessels and is restricted to authorized vessels only:

| | |
|--------------|---------------|
| 20° 18'.82 S | 118° 34'.12 E |
| 20° 18'.82 S | 118° 34'.16 E |
| 20° 19'.00 S | 118° 34'.17 E |
| 20° 19'.00 S | 118° 34'.06 E |

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

332(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Dredging operations
Port Hedland Port Authority Notice 4/2009 (AA390589)

The dredge *DN150* and barges *Soundcem 2* and *Soundcem 3* are conducting dredging operations in an area bounded by the following positions (WGS84 datum):

20° 19.00 S 118° 34'.06 E
20° 19.00 S 118° 34'.17 E
20° 19.51 S 118° 34'.42 E
20° 19.53 S 118° 34'.08 E

The dredge *Leonardo da Vinci* will be onsite from early April.

Mariners are advised to navigate with caution in the area.

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

333(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - King George Sound - North Channel to Barker Bay - Scientific instruments

Date - Until 31 May 2010
Albany Port Authority Notice 2(T)/2009 (AA391679)

Scientific instruments marked by special light buoys, Q(4)Y.5s, exist in positions (WGS84 datum):

35° 02'.80 S 117° 55'.36 E
35° 02'.26 S 118° 01'.51 E.

Chart temporarily affected - Aus 109 - Aus 110 - Aus 118 - AU5XX109

451(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Geraldton - Light buoy off station
Geraldton Port Authority (AA397386)

The port lateral light buoy, *Fl(4)R.10s* (28° 42'.70 S 114° 34'.50 E (WGS84 datum)), is currently in position 28° 42'.64 S 114° 34'.55 E.

Vessels passing close to the south of the light buoy will have a least depth of 8.1m

Chart temporarily affected - Aus 81 - Aus 751

453(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Kwinana - Light unlit
Fremantle Ports Notice 5(T)/2009 (AA398201)

The light K1777.15 (32° 12'.57 S 115° 46'.09 E) is unlit.

Chart temporarily affected - Aus 114 - Aus 117 - AX 70117 - AU5111X4

518(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Geographe Bay - Scientific instrument

Former Notice - 1260(T)/2006 is cancelled
Department for Planning and Infrastructure WA (AA400740)

A scientific instrument exists in position 33° 36'.7 S 115° 13'.7 E (WGS84 datum).

Chart temporarily affected - Aus 334 - Aus 335 - Aus 755 - Aus 756 - AX 0334E - AX 0755E - AU434115

570(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Geraldton - Champion Bay - Light buoy withdrawn
Geraldton Port Authority (AA402991)

The isolated danger light buoy (28° 43'.88 S 114° 33'.25 E) has been withdrawn; a special buoy exists in situ.

Chart temporarily affected - Aus 81

677(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Light established
Port Hedland Port Authority Notice 6/2009 (AA408186)

A light, *Q.Bu*, exists in position 20° 18'.97 S 118° 34'.04 E.

Chart temporarily affected - Aus 54 - AU5XXX54

679(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Scientific instruments
MetOcean Engineers (AA407165)

Scientific instruments exist as follows:

| <i>Position</i> | <i>Remarks</i> |
|----------------------------|-----------------------------|
| 19° 51'.96 S 115° 17'.10 E | subsurface |
| 19° 52'.00 S 115° 15'.99 E | subsurface |
| 19° 53'.01 S 115° 16'.54 E | subsurface |
| 19° 56'.12 S 115° 22'.85 E | subsurface |
| 19° 56'.59 S 115° 22'.87 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 19° 56'.60 S 115° 23'.00 E | 5 poly floats |

Chart temporarily affected - Aus 328 - AU320115

792(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Perth Canyon - Scientific instruments westwards
Date - Until 1 November 2012
CSIRO (AA414960)

Subsurface scientific instruments, suspended 20m below the surface, exist in positions:

| | |
|----------------------------|----------------------------|
| 31° 55'.30 S 115° 00'.60 E | 32° 03'.20 S 115° 04'.96 E |
| 31° 59'.00 S 115° 14'.00 E | 31° 46'.23 S 114° 56'.60 E |
| 31° 43'.16 S 115° 01'.80 E | 31° 41'.60 S 115° 07'.00 E |
| 31° 38'.80 S 115° 11'.75 E | 31° 37'.60 S 115° 14'.75 E |

Chart temporarily affected – Aus 334 – Aus 754 – AX 0334E – AX 0754E – AX 66002 - AU332114 - AU432115 - AU433115

793(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Depth information
Former Notice - 128(T)/2008 is cancelled
Fremantle Ports Notice 6(T)/2009 (AA414237)

Available depths as at 19 June 2009:

| <i>Berth</i> | <i>Metres</i> |
|--------------|---------------|
| No 1 | 11.0 |
| No 2 | 11.0 |
| * No 4 | 12.4 |
| No 5 | 12.4 |
| No 6 | 12.4 |
| * No 7 | 12.9 |
| * No 8 | 13.0 |
| * No 9 | 13.0 |
| * No 10 | 10.0 |
| * No 11 | 10.2 |
| No 12 | 10.8 |
| C | 10.4 |
| D | 11.0 |
| E | 10.5 |
| F | 10.4 |
| G | 10.5 |
| H | 10.3 |

* Indicates new or revised entry.

Note: Victoria Quay berths A and B are no longer used for commercial operations.

Maximum draft of vessels using inner harbour berths must be obtained by contacting the Harbour Master's office.

Chart temporarily affected – Aus 113 - AU5XX113

849(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Broome - Gantheaume Bay - Obstruction, light buoy
Date - Until 31 July 2009
Port of Broome Port Authority 8/2009 (AA417682)

A special light buoy, *Fl.2s*, marking a chain cable extending 750m from the buoy, has been established in position 17° 52' S 122° 06' E (WGS datum)

Chart temporarily affected - Aus 50 - Aus 324

911(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Obstruction
Date - Until 31 January 2010
Port of Dampier Notice 22/2009 (AA420011)

An obstruction is marked by two special light buoys, Q, in positions:

20° 32'.00 S 116° 44'.50 E
20° 31'.51 S 116° 45'.03 E

Chart temporarily affected – Aus 57 – Aus 58 – Aus 741

914(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - North West Cape - Scientific instruments

Woods Hole Group (AA418777)

Bottom mounted scientific instruments exist in the following positions:

21° 39'.00 S 114° 59'.82 E
21° 26'.64 S 114° 51'.96 E

Scientific instruments exist 30m below the surface in the following positions:

19° 51'.30 S 113° 10'.96 E
20° 27'.90 S 113° 48'.90 E
20° 56'.34 S 114° 18'.06 E
20° 59'.88 S 114° 22'.68 E
21° 07'.02 S 114° 30'.96 E
21° 17'.22 S 114° 41'.34 E

Chart temporarily affected – Aus 64 – Aus 328 – Aus 329 – Aus 415 – Aus 416 – Aus 743 – Aus 744 – AX 0415F - AU321114 - AU422114

976(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Esperance - Light beacon destroyed

Department for Planning and Infrastructure WA (AA423375, AA423376)

No 2 port lateral light beacon (33° 51'.98 S 121° 54'.45 E) has been destroyed; a special light buoy, *Fl.Y.2s*, exists in situ.

Chart temporarily affected - Aus 119 - AU5119P1

1079(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Broome - Electronic navigation aid trial

Date - Until 30 June 2010

Broome Port Authority Notice 16/2009 (AA427722, AA427723, AA427543, AA427544)

A trial of Synthetic and Virtual Aids to Navigation (AtoN) is currently being conducted within the Port of Broome. Nine AtoN have been formulated and are being transmitted by the Port of Broome AIS Base Station in accordance with the table below. Full details of the trial and requests for feedback are contained in Port of Broome local marine notice 16/2009. This local marine notice is on the Port of Broome website www.broomeport.com.

Broome Port Authority AIS Base Station located in position 18° 00'.16 S 122° 12'.55 E.

| <i>MMSI</i> | <i>Type</i> | <i>Message</i> | <i>Position (WGS84 datum)</i> | <i>Remarks</i> |
|-------------|-------------|-----------------------------|-------------------------------|--|
| 995031014 | Synthetic | Escape Rocks buoy | 17° 59'.70 S 122° 09'.51 E | Established over existing Escape Rocks buoy, but buoy is not fitted with Message 6 capability. |
| 995036001 | Virtual | Nab Rock marker | 17° 59'.42 S 122° 10'.58 E | Established on dangerous contour seaward of Nab Rock. |
| 995036002 | Virtual | 130 / 210 marker | 18° 01'.22 S 122° 12'.48 E | Established in Roebuck Deep to indicate 130 entry heading aim point and 210 departure heading aim point. |
| 995036003 | Virtual | Entrance Point marker | 18° 00'.68 S 122° 12'.50 E | Established on the fringing reef at Entrance Point. |
| 995036004 | Virtual | East Channel 010/190 marker | 18° 00'.61 S 122° 13'.02 E | Established as an aim point for entry and departure when using the channel to the east of Channel Rock beacon. |
| 995031015 | Synthetic | Channel Rock beacon | 18° 00'.59 S 122° 12'.94 E | Established over existing Channel Rock beacon, but beacon is not fitted with Message 6 capability. |
| 995031016 | Synthetic | East Cardinal buoy | 18° 00'.43 S 122° 12'.92 E | Established over existing East Cardinal buoy, but buoy is not fitted with Message 6 capability. |
| 995031017 | Synthetic | Middle Ground buoy | 18° 00'.37 S 122° 13'.26 E | Established over existing Middle Ground buoy, but buoy is not fitted with Message 6 capability. |
| 995036005 | Virtual | 030 entry marker | 18° 00'.01 S 122° 13'.22 E | Established as an aim point when transiting the channel west of Channel Rock beacon. |

Chart temporarily affected - Aus 50 - Aus 51 - Aus 324 - AU418122

1080(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Depth information

Former Notice - 104(T)/2009 is cancelled
Port Hedland Port Authority Notices 5/2009, 7/2009 (AA427575, AA427579)

Available depths as at 15 June 2009:

| Berth | Metres |
|--------------------------------------|--------|
| * PHPA berth 1 | 12.0 |
| PHPA berth 2 | 11.2 |
| PHPA berth 3 | 12.2 |
| BHP Billiton Nelson Point berth A | 18.0 |
| BHP Billiton Nelson Point berth B | 17.2 |
| BHP Billiton Finucane Island berth C | 17.9 |
| BHP Billiton Finucane Island berth D | 18.3 |
| Anderson Point berth 1 | 19.1 |
| * Anderson Point berth 2 | 19.6 |

* Indicates revised entry.

Chart temporarily affected - Aus 52 - Aus 54 - AU5XXX52

1248(P)/2009 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Light beacons to be established

Former Notice - 1198(P)/2009 is cancelled
Date - Until 2 November 2009
Dampier Port Authority Notice 28/2009 (AA433535, AA435183)

Light beacons will be established in the following positions:

| | |
|------|----------------------------|
| HP5 | 20° 32'.91 S 116° 42'.65 E |
| HP7 | 20° 33'.49 S 116° 42'.78 E |
| HPR1 | 20° 33'.23 S 116° 42'.56 E |
| HP21 | 20° 36'.40 S 116° 45'.30 E |
| HP22 | 20° 36'.52 S 116° 45'.41 E |

The light beacons will be temporarily lit by *Fl.5s* lights.

Chart which will be affected - Aus 57 - Aus 58 - Aus 59 - AU5XXX58

1293(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank to Dampier - Scientific instruments

Former Notice - 1029(T)/2009 is cancelled
Date - Until 28 February 2010
MetOcean Engineers (AA436305)

Scientific instruments exist as follows:

| Position (WGS84 datum) | Remarks |
|----------------------------|-----------------------------|
| 20° 01'.99 S 115° 25'.37 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 20° 02'.06 S 115° 25'.24 E | 5 poly-floats |
| 20° 14'.17 S 116° 19'.07 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 20° 14'.30 S 116° 19'.02 E | 5 poly-floats |
| 20° 18'.42 S 116° 33'.00 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 20° 18'.55 S 116° 32'.98 E | 5 poly-floats |
| 20° 22'.31 S 116° 46'.57 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 20° 22'.35 S 116° 46'.47 E | 5 poly-floats |
| 20° 33'.90 S 116° 44'.03 E | 5 poly-floats |
| 20° 33'.91 S 116° 44'.06 E | lit buoy, <i>Fl(5)Y.20s</i> |

Chart temporarily affected - Aus 57 - Aus 58 - Aus 59 - Aus 327 - Aus 328 - Aus 741 - Aus 742 - AU421115 - AU421116 - AU5XXX58

1296(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Exmouth Plateau - Obstruction

Date - Until 31 October 2010
HESS Exploration Australia (AA435937)

A suspended wellhead, least depth *1059m*, exists in position 20° 03'.86 S 113° 35'.99 E (WGS84 datum).

Chart temporarily affected - Aus 329 - Aus 415 - Aus 416 - AX 0415F - AX 4708F - Aus 4708 (INT 708) - AU130090

1329(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - North Rankin - Scientific instruments

Former Notice - 1256(T)/2008 is cancelled
Date - Until 31 May 2010
MetOcean Engineers (AA438335)

Special light buoys, *Fl(5)Y.20s*, exist in position 18° 45'.00 S 117° 02'.30 E and 19° 31'.43 S 117° 03'.21 E (WGS84 datum).

Chart temporarily affected - Aus 327 - Aus 415 - Aus 741 – Aus 4722 (INT 722) - AX 0415F – AX 4722F - AU130090

1335(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - North West Cape - Scientific instruments northwestwards
Former Notice - 108(T)/2009 is cancelled
MetOcean Engineers (AA438335)

Scientific instruments exist as follows:

| <i>Position (WGS84 datum)</i> | <i>Remarks</i> |
|-------------------------------|---------------------------------------|
| 21° 30'.80 S 114° 00'.85 E | special buoy with 5 white poly-floats |
| 21° 30'.93 S 114° 00'.91 E | lit buoy, <i>Fl(5)Y.20s</i> |

Chart temporarily affected - Aus 328 - Aus 329 - Aus 415 - Aus 416 - Aus 744 - Aus 4708 (INT 708) – AX 0415F – AX 4708F - AU130090 - AU422114

1337(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Alkimos Reef - Scientific instrument
Date - Until 30 April 2010
Cardo Lawson Treloar (AA439271)

A special light buoy, *Fl(5)Y.20s*, exists in position 31° 37'.71 S 115° 38'.08 E.

Chart temporarily affected - Aus 334 - Aus 754 – AX 0334E – AX 0754E – AX 66002 - AU432115

1392(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Muiron Islands - Light buoy established northwestwards
BHP Billiton Petroleum Pty Ltd (AA441619)

A special cylindrical light buoy, *Fl.Y.5s*, exists in position 21° 31'.2 S 114° 09'.6 E (WGS84 datum).

Chart temporarily affected - Aus 328 - Aus 329 - Aus 744 - AU422114

1393(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Success Channel to Parmelia Channel - Nav aids altered

Date - Until 31 January 2010
Fremantle Ports Notice 12(T)/2009 (AA441825)

Nav aids have been altered as follows;

| | <i>Position</i> | <i>Remarks</i> |
|------|----------------------------|-----------------|
| No1 | 32° 03'.73 S 115° 41'.20 E | VQ.G |
| No2 | 32° 04'.26 S 115° 41'.31 E | <i>Iso.G.2s</i> |
| No3 | 32° 04'.64 S 115° 41'.40 E | <i>Iso.G.2s</i> |
| No4 | 32° 05'.01 S 115° 41'.49 E | <i>Iso.G.2s</i> |
| No5 | 32° 05'.40 S 115° 41'.58 E | <i>Iso.G.2s</i> |
| No6 | 32° 05'.76 S 115° 41'.66 E | <i>Iso.G.2s</i> |
| No7 | 32° 06'.12 S 115° 41'.73 E | VQ.G |
| No8 | 32° 06'.74 S 115° 41'.87 E | VQ.G |
| No9 | 32° 07'.12 S 115° 41'.97 E | <i>Iso.G.2s</i> |
| No10 | 32° 07'.46 S 115° 42'.04 E | <i>Iso.G.2s</i> |
| No11 | 32° 07'.79 S 115° 42'.12 E | <i>Iso.G.2s</i> |
| No12 | 32° 08'.16 S 115° 42'.19 E | VQ.G |
| A | 32° 03'.71 S 115° 41'.30 E | VQ.R |
| B | 32° 04'.25 S 115° 41'.42 E | <i>Iso.R.2s</i> |
| C | 32° 04'.62 S 115° 41'.51 E | <i>Iso.R.2s</i> |
| D | 32° 04'.99 S 115° 41'.59 E | <i>Iso.R.2s</i> |
| E | 32° 05'.38 S 115° 41'.68 E | <i>Iso.R.2s</i> |
| F | 32° 05'.74 S 115° 41'.76 E | <i>Iso.R.2s</i> |
| G | 32° 06'.10 S 115° 41'.86 E | VQ.R |
| H | 32° 06'.73 S 115° 42'.00 E | VQ.R |
| J | 32° 07'.10 S 115° 42'.06 E | <i>Iso.R.2s</i> |
| K | 32° 07'.42 S 115° 42'.14 E | <i>Iso.R.2s</i> |
| L | 32° 07'.77 S 115° 42'.22 E | <i>Iso.R.2s</i> |
| M | 32° 08'.14 S 115° 42'.32 E | VQ.R |

Chart temporarily affected - Aus 112 - Aus 113 - Aus 114 - Aus 117 – AX 63112 – AX 70117 - AU5111X4 - AU5XX113

1458(T)/2009 INDIAN OCEAN - Sumatera - Scientific instruments westwards
Former Notice - 568(T)/2009 is cancelled
JAMSTEC (AA443477)

Scientific instruments, Triton buoys, exist as follows:

| <i>Number</i> | <i>Position</i> |
|---------------|-----------------|
|---------------|-----------------|

17 4° 56'.91 S 94° 58'.35 E
18 1° 39'.59 S 89° 59'.69 E
19 7° 59'.97 S 95° 02'.60 E

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

1460(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Scientific instrument

Former Notice - 99(T)/2009 is cancelled

Date - Until 30 November 2010

MetOcean Engineers (AA444797)

A subsurface scientific instrument exists in position 13° 52'.49 S 123° 13'.78 E.

Chart temporarily affected - Aus 319 - Aus 320 - AU314123 – AX 0319F

1462(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Scott Reef to James Price Point - Scientific instruments

Date - Until 31 December 2010

Fugro Survey Pty Ltd (AA445251 - AA445256)

Scientific instruments exist as follows:

| <i>Position</i> | <i>Remarks</i> |
|----------------------------|----------------|
| 14° 56'.49 S 121° 45'.08 E | subsurface |
| 14° 56'.64 S 121° 44'.94 E | subsurface |
| 14° 59'.99 S 121° 46'.90 E | subsurface |
| 15° 00'.14 S 121° 46'.78 E | subsurface |
| 15° 03'.22 S 121° 47'.78 E | subsurface |
| 15° 03'.43 S 121° 47'.52 E | lit buoy |
| 15° 03'.68 S 121° 47'.68 E | subsurface |
| 15° 06'.01 S 121° 45'.45 E | subsurface |
| 15° 06'.07 S 121° 45'.44 E | lit buoy |
| 15° 16'.32 S 121° 39'.64 E | lit buoy |
| 15° 25'.75 S 121° 34'.57 E | lit buoy |
| 15° 37'.38 S 121° 33'.86 E | lit buoy |
| 15° 54'.51 S 121° 32'.71 E | lit buoy |
| 16° 02'.60 S 121° 36'.95 E | lit buoy |
| 16° 13'.24 S 121° 38'.81 E | lit buoy |
| 16° 21'.49 S 121° 40'.77 E | lit buoy |
| 16° 21'.55 S 121° 40'.59 E | lit buoy |
| 16° 40'.16 S 121° 44'.88 E | lit buoy |
| 16° 47'.64 S 121° 44'.63 E | lit buoy |
| 17° 08'.58 S 121° 37'.58 E | lit buoy |
| 17° 23'.81 S 121° 48'.39 E | lit buoy |
| 17° 29'.40 S 122° 04'.66 E | lit buoy |
| 17° 29'.45 S 121° 55'.32 E | lit buoy |
| 17° 30'.26 S 122° 05'.84 E | lit buoy |
| 17° 31'.03 S 121° 51'.55 E | lit buoy |
| 17° 31'.19 S 122° 07'.52 E | lit buoy |
| 17° 31'.20 S 122° 08'.53 E | lit buoy |
| 17° 31'.26 S 122° 07'.45 E | lit buoy |
| 17° 31'.26 S 122° 07'.59 E | lit buoy |
| 17° 31'.75 S 122° 07'.51 E | lit buoy |

Chart temporarily affected - Aus 322 - Aus 323 - Aus 324 - Aus 415 - AU315121 - AU318121 – AX 0322F – AX 0415F

1464(T)/2009 AUSTRALIA - WESTERN AUSTRALIA - Bessieres Island - FPSO off station northwestwards

BHP Billiton Petroleum Pty Ltd (AA445247)

The FPSO Griffin Venture (21° 13'.25 S 114° 38'.90 E (WGS84 datum)) is off station.

Chart temporarily affected - Aus 328 - Aus 415 - Aus 416 - Aus 744 - Aus 4708 (INT 708) - AU130090 - AU422114 – AX 0415F – AX 4708F

73(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Dredging operations

Former Notice - 1081(T)/2009 is cancelled

Date - Until 28 February 2010

Dampier Port Authority Notices 37/2009, 1/2010 (AA447009, AA447789)

The dredge *Leonardo Da Vinci* and support vessel *BKM 101* are conducting dredging operations in the area bounded by the following positions (WGS84 datum):

20° 33'.72 S 116° 43'.13 E

20° 33'.78 S 116° 42'.91 E
20° 35'.06 S 116° 44'.08 E
20° 34'.97 S 116° 44'.23 E.

The plough-barge, MT *Cape Mac* and support vessels will continue operating in the Pluto Channel.

All vessels involved in the operations will monitor VHF Ch 11 and Ch 16.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 57 - Aus 58 - Aus 59 - AU5XXX58

75(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Town Point - Harbour works; exclusion zone

Date - Until 30 June 2011

Department of Transport WA Notice 99/2009 (AA447736)

Works associated with the installation of temporary intake and outfall pipelines are in progress in the following area:

| <i>Position</i> | <i>Remarks</i> |
|---------------------------|------------------|
| 20° 47'.2 S 115° 27'.7 E | |
| 20° 47'.5 S 115° 28'.3 E | lit special buoy |
| 20° 47'.7 S 115° 28'.2 E | lit special buoy |
| 20° 47'.4 S 115° 27'.5 E. | |

An exclusion zone exists within the area.

A barge and support vessels are on site and will display appropriate lights and shapes. Support vessels will monitor VHF Ch 10 and Ch 16.

Chart temporarily affected - Aus 62 - Aus 742 - AU421115

76(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instruments

Date - Until 31 December 2011

Department of Transport WA Notice 103A/2009 (AA446956)

Scientific instruments marked by special light buoys, *Fl(5)Y.20s*, exist in the following positions (WGS84 datum):

20° 46'.79 S 115° 29'.29 E
20° 47'.04 S 115° 29'.78 E
20° 47'.39 S 115° 29'.94 E
20° 48'.58 S 115° 28'.59 E
20° 49'.01 S 115° 30'.83 E
20° 49'.53 S 115° 29'.20 E
20° 49'.95 S 115° 30'.35 E
20° 53'.06 S 115° 30'.78 E
20° 54'.36 S 115° 32'.25 E.

Chart temporarily affected - Aus 62 - Aus 742 - Aus 743 - AU421115

77(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Thevenard Island to Ashburton Road - Scientific instruments

Former Notice - 1333(T)/2009 is cancelled

Date - Until 31 December 2010

MetOcean Engineers (AA447760)

Scientific instruments exist as follows:

| <i>Position (WGS84 datum)</i> | <i>Remarks</i> |
|-------------------------------|-----------------------------|
| 21° 21'.86 S 114° 51'.20 E | 5 poly floats |
| 21° 22'.08 S 114° 50'.91 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 21° 22'.08 S 114° 51'.00 E | 5 poly floats |
| 21° 29'.15 S 115° 00'.86 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 21° 29'.21 S 115° 00'.94 E | 5 poly floats |
| 21° 30'.12 S 115° 02'.92 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 21° 31'.40 S 114° 54'.90 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 21° 35'.13 S 114° 56'.38 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 21° 35'.17 S 114° 56'.38 E | 5 poly floats |
| 21° 36'.30 S 115° 04'.94 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 21° 36'.30 S 115° 04'.75 E | 5 poly floats |
| 21° 39'.32 S 115° 00'.77 E | lit buoy, <i>Fl(5)Y.20s</i> |

Chart temporarily affected - Aus 64 - Aus 328 - Aus 743 - Aus 744 - AU422114 - AU422115

79(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Thevenard Island to Exmouth Plateau - Scientific instruments

Date - Until 31 January 2011

Department of Transport WA Notice 1/2010 (AA447883, AA446614, AA446615)

Scientific instruments exist as follows:

| Position | Remarks |
|----------------------------|---|
| 19° 55'.44 S 113° 14'.28 E | subsurface |
| 19° 55'.56 S 113° 13'.74 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 20° 35'.94 S 114° 43'.44 E | subsurface |
| 20° 36'.48 S 114° 44'.88 E | subsurface |
| 20° 37'.56 S 114° 47'.94 E | subsurface |
| 20° 45'.48 S 114° 55'.92 E | subsurface |
| 21° 08'.34 S 115° 18'.30 E | lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats |
| 21° 20'.52 S 115° 03'.30 E | lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats |
| 20° 59'.28 S 115° 09'.78 E | lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats |
| 21° 02'.04 S 115° 10'.56 E | lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats |
| 21° 12'.30 S 115° 09'.00 E | lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats |

Chart temporarily affected - Aus 63 - Aus 64 - Aus 328 - Aus 415 - Aus 416 - Aus 742 - Aus 743 - AX 0415F - AU321114 - AU422115

82(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Alkimos Reef - Harbour works; exclusion zone

Date - Until 31 August 2010

Department of Transport WA Notice 70/2009 (AA447737)

Works associated with the construction of an outfall pipeline are in progress in the following area:

31° 36'.66 S 115° 39'.63 E
31° 37'.91 S 115° 36'.30 E
31° 38'.41 S 115° 36'.56 E
31° 37'.21 S 115° 39'.76 E.

An exclusion zone marked by special spar light buoys exists within the area.

Support vessels are on site to direct vessel traffic and can be contacted on VHF Ch 16.

Chart temporarily affected - Aus 334 - Aus 754 - AX 0334E - AX 0754E - AX 66002 - AU432115

83(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Harbour works

Former Notice - 975(T)/2009 is cancelled

Fremantle Ports 13(T)/2009 (AA446096)

Works associated with the construction of the new seawall are in progress.

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

| Position | Remarks |
|--------------------------------|--|
| 32° 02'.41 S 115° 44'.44 E | |
| 32° 02'.34 S 115° 44'.41 E | |
| (a) 32° 02'.37 S 115° 44'.15 E | A lit (<i>Fl.Y.2s</i>) floating pipeline exists between positions (a) to (d) |
| (b) 32° 02'.07 S 115° 43'.91 E | |
| (c) 32° 02'.10 S 115° 43'.79 E | |
| (d) 32° 02'.43 S 115° 44'.04 E | |
| 32° 02'.71 S 115° 43'.83 E | |
| 32° 02'.81 S 115° 43'.87 E. | |

A 50m exclusion zone exists around all dredges and support vessels operating within Port of Fremantle waters and 30m while at berth.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 112 - Aus 113 - AX 63112 - AU5XX113

85(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Binningup - Offshore works; exclusion zone

Date - Until 13 January 2012

Department of Transport WA Notice 2/2010 (AA448304)

Works associated with the installation of submarine pipelines are in progress in the following area:

33° 07'.53 S 115° 41'.39 E (WGS84 datum)
33° 07'.52 S 115° 40'.51 E
33° 08'.07 S 115° 40'.50 E
33° 08'.08 S 115° 41'.38 E.

An exclusion zone marked by special light buoys exists within the area.

A barge and support vessels are on site and can be contacted on VHF Ch 12 and Ch 16.

Chart temporarily affected - Aus 115 - Aus 334 - Aus 335 - Aus 755 – AX 0334E – AX 0755E - AU434115

137(P)/2010 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Pipeline established

Former Notice - 1330(P)/2009 is cancelled

Woodside Energy (AA439328 - AA439330, AA439357, AA439358)

A pipeline has been laid between:

| <i>Position (WGS84 datum)</i> | <i>Remarks</i> |
|-------------------------------|--|
| 20° 36'.296 S 116° 45'.475 E | |
| 20° 35'.481 S 116° 44'.727 E | |
| 20° 35'.481 S 116° 44'.727 E | |
| 20° 35'.122 S 116° 44'.671 E | |
| 20° 33'.078 S 116° 45'.640 E | |
| 20° 33'.078 S 116° 45'.640 E | |
| 20° 31'.876 S 116° 45'.735 E | |
| 20° 30'.541 S 116° 46'.337 E | |
| 20° 26'.767 S 116° 46'.547 E | |
| 20° 24'.479 S 116° 45'.944 E | |
| 20° 18'.962 S 116° 40'.113 E | |
| 20° 17'.185 S 116° 32'.153 E | For positions beyond this point see pipeline as charted on Aus 741, 742, 327, 328, 415, 416. |

A 0.5M exclusion zone exists on each side of the pipeline from the shore crossing to position 20° 24'.48 S 116° 45'.94 E.

New editions of Aus 57, 58 and 59 will be published on completion of dredging of the new shipping channel mid 2010.

Chart which will be affected - Aus 57 - Aus 58 - Aus 59

138(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Regnard Bay - Scientific instrument

Department of Transport Notice WA 15/2010 (AA451865)

A special light buoy, *Fl(5)Y.20s*, exists in position 20° 49'.32 S 116° 21'.28 E (WGS84 datum).

Chart temporarily affected - Aus 327 - Aus 742 - AU421116

139(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instruments

Date - Until 31 January 2012

Department for Transport WA Notice 9A/2010 (AA451302)

Scientific instruments marked by special light buoys, *Fl(5)Y.20s*, exist in the following positions:

20° 47'.8 S 115° 28'.3 E
20° 48'.3 S 115° 28'.9 E
20° 49'.4 S 115° 30'.6 E.

Chart temporarily affected - Aus 62 - Aus 742 - Aus 743 - AU421115

140(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Onslow - Drilling operations

Date - Until 30 June 2010

Department for Transport WA Notice 10A/2010 (AA451323)

Jack-up barges and support vessels are conducting drilling operations in an area bounded by the following positions:

21° 40'.18 S 114° 59'.15 E
21° 40'.16 S 114° 57'.16 E
21° 30'.95 S 114° 47'.42 E
21° 23'.57 S 114° 46'.56 E
21° 20'.63 S 114° 49'.77 E
21° 27'.96 S 115° 02'.35 E
21° 28'.01 S 115° 07'.22 E
21° 32'.99 S 115° 05'.99 E
21° 38'.29 S 115° 05'.77 E.

Mariners are advised to navigate with caution in the area and keep 50m clear of the barges.

Chart temporarily affected - Aus 64 - Aus 743 - Aus 744 - AU422114

142(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Obstruction

Date - Until 31 May 2010
Department for Transport WA Notice 7/2010 (AA451310)

An air curtain exist in the in the entrance to Rous Head Harbour (32° 03'.22 S 115° 43'.69 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 112 - Aus 113 - Aus 117 – AX 63112 – AX 70117 - AU5XX113

179(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Scientific instruments

Former Notice - 1459(T)/2009 is cancelled
MetOcean Engineers (AA452527)

Scientific instruments exist as follows:

| Position | Remarks |
|----------------------------|-----------------------------|
| 13° 44'.69 S 123° 20'.98 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 13° 44'.59 S 123° 21'.40 E | subsurface |
| 13° 47'.28 S 123° 23'.72 E | lit buoy, <i>Fl(5)Y.20s</i> |

Chart temporarily affected - Aus 319 – AX 0319F - AU314123

180(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Lacepede Channel to Cape Boileau - Scientific instruments

Former Notice - 71(T)/2010 is cancelled
Date - Until 31 July 2010
MetOcean Engineers (AA447760)

Scientific instruments exist as follows (WGS84 datum):

| Position | Remarks |
|----------------------------|-----------------------------|
| 17° 13'.93 S 122° 05'.06 E | subsurface |
| 17° 28'.27 S 122° 05'.03 E | subsurface |
| 17° 30'.07 S 121° 53'.45 E | subsurface |
| 17° 30'.81 S 121° 53'.88 E | lit buoy, <i>Fl(5)Y.20s</i> |
| 17° 43'.53 S 122° 02'.03 E | subsurface |

Chart temporarily affected - Aus 323 - Aus 324 - AU418122

181(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Mermaid Sound - Light buoy withdrawn; light buoy established

Former Notice - 72(T)/2010 is cancelled
Dampier Port Authority Notices 6/2010 (AA453979)

The light buoy (20° 25'.45 S 116° 42'.95 E (WGS84 datum)) has been withdrawn; a special pillar light buoy, Q. Y, exists in situ. The AIS and racon remain non operational.

Chart temporarily affected - Aus 57 - Aus 58 - Aus 741 - AU5XXX58

182(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - North Muiron Island to Locker Island - Scientific instruments

Date - Until 31 August 2010
MetOcean Engineers (AA454046)

Subsurface scientific instruments exist in the following positions (WGS84 datum):

| |
|-----------------------------|
| 21° 33'.23 S 114° 15'.25 E |
| 21° 32'.60 S 114° 24'.10 E |
| 21° 34'.30 S 114° 29'.66 E |
| 21° 36'.30 S 114° 32'.35 E |
| 21° 39'.19 S 114° 38'.65 E |
| 21° 40'.20 S 114° 42'.01 E |
| 21° 43'.10 S 114° 49'.39 E. |

Chart temporarily affected - Aus 328 - Aus 329 - Aus 743 - Aus 744 - AU422114

230(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Back fill operations

Date - Until 30 April 2010
Dampier Port Authority Notice 7/2010 (AA455521)

The dredge *Nile River* and support vessel *First Class* are conducting back fill operations on the Pluto pipeline trench between the following positions (WGS84 datum):

| |
|----------------------------|
| 20° 36'.30 S 116° 45'.48 E |
|----------------------------|

20° 35'.17 S 116° 44'.71 E
20° 33'.08 S 116° 45'.64 E
20° 32'.00 S 116° 45'.67 E
20° 30'.34 S 116° 46'.33 E
20° 26'.77 S 116° 46'.51 E
20° 24'.48 S 116° 45'.89 E
20° 19'.01 S 116° 39'.89 E
20° 17'.19 S 116° 32'.15 E.

Survey operations are being conducted by vessel *Baudin*.

Vessels will monitor VHF Ch 11 and Ch 16.

Chart temporarily affected - Aus 57 - Aus 58 - Aus 59 - Aus 741 - Aus 742 - AU421116 - AU5XXX58

231(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Exmouth Plateau - Seismic survey

Date - Until 1 April 2010

RPS Australia and South East Asia (AA450399)

SSV *Western Geco* with a 6000m towed array, will be conducting a survey in the area bounded by the following positions:

19° 09'.93 S 113° 14'.29 E
19° 09'.92 S 113° 45'.08 E
19° 19'.92 S 113° 45'.08 E
19° 19'.92 S 113° 20'.08 E
19° 14'.94 S 113° 23'.19 E.

Chart temporarily affected - Aus 415 – AX 0415F – AX 4708F - Aus 4708(INT708) - AU130090

232(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Rottnest Island - Military exercise

Date - Until 7 March 2010

Department of Defence (AA453548)

A 1000m restricted zone exists around the following area from 3 March to 6 March 2010:

31° 54'.0 S 115° 22'.0 E
31° 57'.0 S 115° 22'.0 E
31° 57'.0 S 115° 23'.8 E
31° 54'.0 S 115° 23'.8 E.

MV *Seahorse* is in the vicinity and will promulgate regular warnings on VHF Ch 16.

Chart temporarily affected - Aus 334 - Aus 754 – AX 0334E – AX 0754E – AX 66002 - AU432115

233(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Rottnest Island - Scientific instruments

Former Notice - 141(T)/2010 is cancelled

Date - Until 19 March 2010

Curtin University (AA455698)

Subsurface scientific instruments exist in positions 31° 51'.0 S 115° 17'.9 E and 31° 48'.4 S 115° 17'.2 E.

Chart temporarily affected - Aus 754 – AX 0754E – AX 66002 - AU432115

SOUTH AUSTRALIA

173(T)/2008 AUSTRALIA - SOUTH AUSTRALIA - Wallaroo - Light beacon destroyed
Department for Transport, Energy and Infrastructure SA Notice 2/2008 (AA310757)

No 1 light beacon K1974.4 (33° 54'.4 S 137° 33'.8 E) has been destroyed.

Chart temporarily affected - Aus 777

265(T)/2008 AUSTRALIA - SOUTH AUSTRALIA - Port Augusta - Bluff Reach - Light beacon destroyed
Former Notice - 172(T)/2008 is cancelled
Department for Transport, Energy and Infrastructure SA Notice 3/2008 (AA310768)

No 9 light beacon K1952 (32° 39'.0 S 137° 46'.2 E) has been destroyed; light buoy Q(9) 15s has been established in situ.

Chart temporarily affected - Aus 344 - Aus 778

268(T)/2008 AUSTRALIA - SOUTH AUSTRALIA - Wirrina Cove - Shoaling
Department for Transport, Energy and Infrastructure SA Notice 9/2008 (AA315237, AA315236)

Shoaling, least depth 1.6 m, exists in position 35° 30'.04 S 138° 14'.42 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 125

415(T)/2008 AUSTRALIA - SOUTH AUSTRALIA - Port Augusta - Two Hummock Point - Light beacon altered
Department for Transport, Energy and Infrastructure Notice 19/2008 (AA324384)

No 4 light beacon (32° 44'.88 S 137° 48'.96 E (WGS84 datum)) has been altered to Q(3)10s.

Chart temporarily affected - Aus 344 - Aus 778

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

830(T)/2008 AUSTRALIA - SOUTH AUSTRALIA - Barker Inlet - Shoaling
Former Notice - 484(T)/2006 is cancelled
Department for Transport, Energy and Infrastructure SA (AA192234)

Shoaling exists in position 34° 44'.309 S 138° 28'.689 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 130 - Aus 780 - Aus 781

1161(T)/2008 AUSTRALIA - SOUTH AUSTRALIA - Glenelg - Shoaling
Former Notice - 989(T)/2008 is cancelled
Department for Transport, Energy and Infrastructure SA Notice 51/2008 (AA367158, AA367331)

Shoaling exists in the approach channel to Glenelg Harbor.

Light buoys have been established to mark the channel into the harbor:

| <i>Position (WGS84 datum)</i> | <i>Remarks</i> |
|-------------------------------|----------------|
| 34° 58'.438 S 138° 30'.496 E | F.G |

34° 58'.426 S 138° 30'.495 E F.G
 34° 58'.406 S 138° 30'.456 E Fl.G.3s
 34° 58'.375 S 138° 30'.467 E Fl.R.5s
 34° 58'.396 S 138° 30'.511 E Fl.R.3s
 34° 58'.432 S 138° 30'.536 E F.R

Light K2086.2 (34° 58'.526 S 138° 30'.618 E) is unlit.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 125

1208(T)/2008 AUSTRALIA - SOUTH AUSTRALIA - Neptune Islands - Scientific instrument

Date - Until 30 April 2009

Department for Transport, Energy and Infrastructure SA Notice 57/2008 (AA368452, AA369108)

A scientific instrument marked by a special buoy exists in position 35° 16'.21 S 135° 41'.10 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 343 – AX 0343E

176(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Wallaroo - Depth information

Former Notice - 1172(T)/2006 is cancelled

Department for Transport, Energy and Infrastructure SA Notice 38/2006 (AA213542)

Available depths as at 12 September 2006:

Metres (LAT)

* No 1 South Berth 8.7

* No 2 North Berth 8.7

* Indicates new or revised entry.

Chart temporarily affected – Aus 777

335(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Port Stanvac - Scientific instrument

Date - Until 31 March 2010

Department for Transport, Energy and Infrastructure SA Notice 13/2009 (AA390604)

A scientific instrument marked by a special light buoy, Fl.Y.3s, exists in position 35° 05'.54 S 138° 27'.95 E (WGS84 datum).

Chart temporarily affected - Aus 125 - Aus 780 - Aus 781

455(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Point Lowly - Light unreliable

Flinders Ports (AA398661)

The light K1948 (32° 59'.98 S 137° 47'.13 E (WGS84 datum)) is unreliable.

Chart temporarily affected - Aus 136 - Aus 444 - Aus 778

456(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Largs Bay - Light buoy off station

Department for Environment and Heritage (AA397712)

The special light buoy, Fl.Y.5s (34° 49'.29 S 138° 25'.06 E (WGS84 datum)), is off station.

Chart temporarily affected - Aus 130 - Aus 138 - Aus 780 - Aus 781 - AU435138 - AU5137X8

458(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Glenelg - Restricted area; light buoys

Former Notice - 490(T)/2002 is cancelled

Department for Transport, Energy and Infrastructure SA (AA398751)

A restricted area, marked by light buoys, exists bounded by the following:

| Position (WGS84 datum) | Remarks |
|----------------------------|------------------------------------|
| 34° 58'.02 S 138° 30'.51 E | |
| 34° 58'.02 S 138° 30'.19 E | west cardinal light buoy, Q(9) 15s |
| 34° 58'.23 S 138° 30'.29 E | west cardinal light buoy, Q(9) 15s |
| 34° 58'.46 S 138° 30'.56 E | |

Chart temporarily affected - Aus 125 - Aus 781

520(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Murray River - Dredging operations; exclusion zone

Date - Until 31 October 2009

Department for Transport, Energy and Infrastructure SA Notice 20/2009 (AA399745)

Dredging operations are in progress in the entrance to Murray River.

An exclusion zone, marked by special buoys, exists in position 35° 33'.57 S 138° 52'.67 E. Vessels are not permitted to enter this buoyed zone.

The dredge displays appropriate lights and shapes.

Chart temporarily affected - Aus 347

572(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Port Stanvac - Pipeline

Department for Transport, Energy and Infrastructure SA Notice 26/2009 (AA402614)

A pipeline is being laid in the area bounded by (WGS84 datum):

35° 07'.49 S 138° 28'.13 E

35° 07'.53 S 138° 27'.71 E

35° 07'.63 S 138° 27'.73 E

35° 07'.60 S 138° 28'.16 E

Vessels associated with the works will display appropriate lights and shapes.

All vessels are required to keep a distance of at least 100m from any vessels working within the above area.

Chart temporarily affected – Aus 125 – Aus 780 – Aus 781

633(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Port Adelaide - Depth information

Department for Transport, Energy and Infrastructure SA Notice 27/2009 (AA406196)

Available depths as at 15 May 2009:

Metres

Inner Harbor Berth M 10.3

Outer Harbor Berth 7 13.5

Outer Harbor Berth 8 15.5

Chart temporarily affected - Aus 137 - AU5137X8

921(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Port Willunga - Light buoy off station

Department of Environment and Heritage SA (AA420053)

The light buoy, *Fl.5s* (35° 15'.13 S 138° 27'.58 E (WGS84 datum)), is off station.

Chart temporarily affected – Aus 780

1082(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - Whidbey Isles to Kangaroo Island - Scientific instruments

Former Notice - 334(T)/2009 is cancelled

Date - Until 30 April 2010

South Australian Research and Development Institute (AA390585, AA390586, AA427162)

Subsurface scientific instruments exist as follows:

Position (WGS84 datum)

Removed

34° 55'.68 S 135° 00'.60 E Apr - Sep 09, Jan 10

35° 14'.21 S 136° 41'.68 E Oct 09

35° 16'.14 S 135° 41'.22 E Apr - Sep 09

35° 30'.00 S 136° 36'.00 E Apr 09 - Jan 10

36° 30'.96 S 136° 14'.58 E Apr - Jun 09, Oct - Nov 09

36° 31'.20 S 136° 51'.30 E

Chart temporarily affected - Aus 342 - Aus 343 - Aus 345 - Aus 346 - Aus 444 - AX 0343E - AU336135

1396(T)/2009 AUSTRALIA - SOUTH AUSTRALIA - North Neptunes - Scientific instruments

Date - Until 31 December 2010

South Australian Research and Development Institute (AA442608)

Subsurface scientific instruments exist in positions (WGS84 datum):

35° 13'.73 S 136° 04'.40 E
35° 13'.79 S 136° 04'.19 E
35° 13'.90 S 136° 04'.35 E

Chart temporarily affected - Aus 343 - Aus 345 – AX 0343E

87(T)/2010 AUSTRALIA - SOUTH AUSTRALIA - Port Stanvac - Offshore works

Former Notice - 1201(T)/2009 is cancelled

Date - Until 31 January 2011

Department for Transport, Energy and Infrastructure SA Notices 43/2009, 58/2009 (AA431916, AA447769)

Installation of infrastructure for a desalination plant are in progress in an area bounded by the following positions (WGS84 datum):

35° 06'.10 S 138° 27'.85 E
35° 05'.74 S 138° 28'.06 E
35° 05'.99 S 138° 28'.69 E
35° 06'.36 S 138° 28'.42 E.

The boundary is marked by special light buoys.

All vessels associated with the works will display appropriate lights and shapes.

Unauthorised vessels are prohibited from entering the area.

Chart temporarily affected - Aus 125 - Aus 780 - Aus 781

236(T)/2010 AUSTRALIA - SOUTH AUSTRALIA - Barker Inlet - Shoaling

Department for Transport, Energy and Infrastructure SA Notice 8/2010 (AA455661)

Shoaling, marked by a starboard lateral buoy, exists in position 34° 45'.12 S 138° 30'.99 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 130 - AU435138

VICTORIA

458(T)/2007 AUSTRALIA - VICTORIA - Ninety Mile Beach - Obstructions

Victorian Notice 51(T)/2007 (A242065)

Suspended well heads, least depth unknown, exist in the vicinity of 38° 37'.65 S 146° 53'.75 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 357A

796(T)/2007 AUSTRALIA - VICTORIA - Port Phillip - South Channel - Obstruction

Victorian Notice 103(T)/2007 (AA282029)

An obstruction marked by 3 special light buoys, *Fl. Y. 3s*, exists in position 38° 18'.36 S 144° 46'.47 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 143 – Aus 158

797(T)/2007 AUSTRALIA - VICTORIA - Port Phillip - South Channel - Obstruction

Victorian Notice 99(T)/2007 (AA280895)

An obstruction marked by an isolated danger light buoy, *Fl. (2). 8s*, exists in position 38° 19'.08 S 144° 49'.61 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 143 – Aus 158

799(T)/2007 AUSTRALIA - VICTORIA - Lakes Entrance - Scientific instrument

Victorian Notice 102(T)/2007 (AA281315)

A scientific instrument, *Fl(5)Y* exists in position 37° 54'.62 S 147° 58'.82 (WGS84).

Chart temporarily affected – Aus 357A

897(T)/2007 AUSTRALIA - VICTORIA – Port Phillip - Port Melbourne - Webb Dock - Shoaling

Victorian Notice 116(T)/2007 (AA287501)

Shoaling, least depth 6.1m, exists at the northern end of the Webb Dock 7m maintained depth area in the vicinity of 37° 50'.43 S 144° 54'.29

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 154

997(T)/2007 AUSTRALIA - VICTORIA - Port Phillip - Station Pier - Shoaling

Victorian Notice 124(T)/2007 (AA292404)

Shoaling, least depth 8.5m, exists east of a line between:

37° 50'.61 S 144° 55'.95 E

37° 50'.74 S 144° 55'.95 E

37° 50'.75 S 144° 55'.98 E

Shoaling, least depth 9.5m, exists east of a line between:

37° 50'.74 S 144° 55'.95 E

37° 50'.94 S 144° 55'.88 E

37° 50'.95 S 144° 55'.91 E

Shoaling, least depth 10.0m, exists east of a line between:

37° 50'.94 S 144° 55'.88 E

37° 50'.99 S 144° 55'.83 E

37° 51'.14 S 144° 55'.79 E

Shoaling, least depth 9.8m, exists west of a line between:

37° 51'.10 S 144° 55'.63 E

37° 51'.06 S 144° 55'.63 E

37° 50'.99 S 144° 55'.58 E

Station Pier Inner West 8.0

Chart temporarily affected - Aus 154 - AU5XX154

465(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - Geelong - Depth information

Former Notice - 952(T)/2006 is cancelled

Victorian Notice 31(T)/2005, 104(T)/2005 (AA131863, AA203894)

Available depths as at 1 March 2005:

| <i>Berth</i> | <i>Metres</i> |
|-----------------------------------|---------------|
| * Bulk Grain Pier 1 | 9.0 |
| * Bulk Grain Pier 2 | 11.0 |
| Point Wilson Jetty North | 8.6 |
| * Point Henry Pier Alcoa | 11.6 |
| * Indicates new or revised entry. | |

A 7.6m shoal patch exists 125 metres southwest of the Point Richards Channel No 14 beacon (38° 07'.30 S 144° 33'.12 E).

Chart temporarily affected - Aus 153 - Aus 157 - AU5XX153

582(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - Geelong - Corio Quay - Harbour works

Former Notice - 466(T)/2009 is cancelled

Date - Until 20 December 2009

Victorian Notice 61(T)/2009 (AA402622)

Works associated with the construction of the new Corio Quay No 4 berth facility are in progress.

The barge *Jub* and support vessels *Taurus* and *Taree* are conducting piling operations.

All hazards to navigation will display Q. Y lights.

All vessels are required to keep a distance of at least 200m from the area.

Chart temporarily affected – Aus 153 – Aus 157 - AU5XX153

741(T)/2009 AUSTRALIA - VICTORIA - Lakes Entrance - Cunninghame Arm - Harbour works

Date - Until 6 September 2009

Victorian Notice 74/2009 (AA412225)

Harbour works are in progress at the jetty (37° 52'.95 S 147° 58'.90 E).

A barge and associated vessels will be onsite.

During the works berths will be restricted or unavailable.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus182

800(T)/2009 AUSTRALIA - VICTORIA - Port Albert - Shoaling

Victorian Notice 63(T)/2009 (AA414814)

Shoaling exists between positions 38° 45'.13 S 146° 42'.66 E and 38° 44'.73 S 146° 40'.32 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 181 – Aus 182 - AU439146

926(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - Swanson Dock - Harbour works

Date - Until 30 June 2010

Victorian Notice 101(T)/2009 (AA419769)

A barge and associated vessels will be conducting harbour works (37° 48'.85 S 144° 54'.81 E).

Vessels manoeuvring in the dock must maintain a minimum clearance of 50m from the work units. Vessels berthing or unberthing may approach to within 20m of the work units.

Further information can be obtained from Melbourne VTS on VHF Ch 12.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected – Aus 154 - AU5XX154

928(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - Rosebud - Harbour works

*Former Notices - 738(T)/2009, 852(T)/2009 are cancelled
Parks Victoria (AA419961)*

Works associated with the refurbishment of the jetty (38° 21'.10 S 144° 54'.46 E) are in progress.

A barge and workboat will be on site. All vessels will display appropriate lights and signals.

The light (38° 20'.99 S 144° 54'.44 E) has been repositioned to 38° 21'.19 S 144° 54'.42 E.

Chart temporarily affected – Aus 143 – Aus 158 - AU439144

1036(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - River Yarra - Harbour works

*Date - Until 24 May 2010
Victorian Notice 116(T)/2009 (AA424855)*

Works are in progress at West Gate Bridge (37° 49'.77 S 144° 53'.89 E) resulting in a reduction in the permissible air draught of transiting vessels.

Restrictions apply from 13 September to 5 October 2009 between 2100 and 0500 and from 5 October 2009 to 23 May 2010 between 0600 and 1400.

Vessels with air draught greater than 47.5m are not permitted to transit.

Vessels with air draught 43.5m to 47.5m are permitted to transit subject to evacuation of all personnel from the gantry or platforms.

Vessels with air draught 39.5m to 43.5m no restrictions apply, however notice is to be provided to construction crew for vessels transiting the West Gate Bridge.

Incoming vessels report to Melbourne VTS on passing breakwater pier and departing vessels report to Melbourne VTS on departing from berths upstream of the West Gate Bridge.

Melbourne VTS will relay the notice to the West Gate Bridge gantry master. Updated information about the operation can be obtained from Melbourne VTS on VHF Ch 12.

Chart temporarily affected - Aus 154 - AU5XX154

1037(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - River Yarra - Harbour works

*Date - Until 30 November 2009
Victorian Notice 117(T)/2009 (AA425236)*

Works associated with the upgrade to Mobil Bunker Jetty (37° 49'.57 S 144° 53'.98 E) are in progress.

The barge *31 Pile Barge* and support vessel *Warneet* are on site and divers may be operating in the vicinity of the works.

The barge and support vessel can be contacted on 0411 016 795.

Further information can be obtained from Melbourne VTS on VHF Ch 12.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154 - AU5XX154

1089(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - Williamstown - Harbour works

*Date - Until 30 September 2009
Victorian Notice 121(T)/2009 (AA427815)*

Harbour works are in progress at the Royal Yacht Club (37° 51'.54 S 144° 54'.55 E).

A barge and associated vessels are onsite and will display the appropriate lights and shapes.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154 - Aus 155 - AU438144 - AU5XX154

1252(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - River Yarra - South Wharf - Harbour works

Date - Until 18 December 2009

Victorian Notice 139(T)/2009 (AA435322)

Works associated with the rehabilitation of the wharf face between South Warf 25 (37° 49'.23 S 144° 55'.87 E) and 26 (37° 49'.20 S 144° 55'.61 E) are in progress.

Diving operations are being undertaken from the barge *Easterly*.

From 23 November the jack-up barge *Jub No 2* will conduct pile driving operations for the installation of a floating safety boom.

The barge can be contacted on VHF Ch 12 and mobile 0411 555 925.

Updated information can be obtained from Melbourne VTS on VHF Ch 12.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154 - AU5XX154

1300(T)/2009 AUSTRALIA - VICTORIA - Anderson Inlet - Shoaling

Victorian Notice 150/2009 (AA436349)

Shoaling exists in the outer entrance channel of the Anderson Inlet entrance bar.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 801 - AU439145

1301(T)/2009 AUSTRALIA - VICTORIA - Barry Beach - Shoaling

Former Notice - 1002(T)/2004 is cancelled

Victorian Notice 149/2009 (AA436347)

Shoaling, with a least depth of 5m, exists in the Barry Beach Channel (38° 43'.00 S 146° 22'.77 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 181 - Aus 182 - AU439146

1302(T)/2009 AUSTRALIA - VICTORIA - Port Welshpool - Middle Ground Channel - Beacon destroyed

Gippsland Ports (AA433895 - AA433897)

No2 port lateral beacon (38° 42'.36 S 146° 29'.15 E (WGS84 datum)) has been destroyed; a port lateral cylindrical buoy has been established in situ.

Chart temporarily affected - Aus 181 - AU439146

1303(T)/2009 AUSTRALIA - VICTORIA - Port Albert - Harbour works

Victorian Notice 151/2009 (AA436348)

Demolition and construction works are in progress at the boat harbour jetty (38° 40'.41 S 146° 41'.73 E (WGS84 datum)).

A pile driving barge and support vessel are on site and anchors will be deployed.

Diving operations are also in progress.

Two *Fl. Y. 5s* lights have been attached to the jetty structure.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 181 - Aus 182 - AU439146

1344(T)/2009 AUSTRALIA - VICTORIA - Port Melbourne - Port Phillip - Dredging operations

Date - Until 30 April 2011

Victorian Notice 156(T)/2009 (AA439003)

A dredge and barge are conducting dredging operations in the Port of Melbourne at the following locations:

Port Melbourne Channel leading to Station Pier (37° 51'.6 S 144° 55'.7 E) and

Station Pier berths and swing basin (37° 50'.8 S 144° 55'.8 E)

Ann St Pier (37° 51'.6 S 144° 54'.6 E)
Webb Dock (37° 50'.7 S 144° 54'.4 E)
Maribyrnong River (37° 49'.0. S 144° 54'.3 E)
River Yarra berths and approaches (37° 49'.1 S 144° 55'.2 E).

The dredge material will be deposited at the Port of Melbourne spoil ground (38° 00'.5 S 144° 53'.0 E).

Updated information on the daily dredging schedule can be obtained from Melbourne VTS on VHF Ch 12.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154 - Aus 155 - AU5XX154

1346(T)/2009 AUSTRALIA - VICTORIA - Western Port - Wonthaggi - Scientific instrument

Date - Until 30 April 2011

Cardno Lawson Treloar (AA439271)

A special light buoy, *Fl(5)Y.20s*, exists in position 38° 36'.16 S 145° 30'.84 E.

Chart temporarily affected - Aus 150 - Aus 801 - AU439145

1401(T)/2009 AUSTRALIA - VICTORIA - Warrnambool - Pipeline southeastwards

Santos Ltd (AA442130)

Pipelay vessel *Seven Navica* and support vessel *Rockwater 2* are conducting pipe laying activities between the following positions (WGS84 datum):

38° 47'.23 S 142° 41'.88 E

38° 43'.00 S 142° 36'.72 E

38° 40'.81 S 142° 38'.42 E

38° 38'.18 S 142° 41'.15 E.

A 500m safety zone exists around the *Seven Navica*.

Chart temporarily affected - Aus 349

1405(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - Point Richards - Harbour works

Date - Until 30 December 2009

Victorian Notice 160/2009 (AA441626)

Harbour works associated with the construction of a rock groyne in position 38° 06'.47 S 144° 37'.90 E are in progress.

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

Dredging operations are in progress for an access channel to the boat ramp. The dredge will be marked by flashing yellow lights and the dredge pipeline will be marked by light buoys.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 143 - Aus 157 - AU439144

1466(T)/2009 AUSTRALIA - BASS STRAIT - Drilling operations

Former Notice - 850(T)/2009 is cancelled

Date - Until 31 January 2010

Origin Energy CSG Ltd (AA417748, AA445117)

The drill rig *Kan Tan IV* will be conducting drilling operations at well *Rockhopper-1* (39° 37'.50 S 145° 26'.35 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 487 - AU340145

1467(T)/2009 AUSTRALIA - VICTORIA - Barwon River - Lights trial

Former Notice - 1036(T)/2007 is cancelled

Victorian Notice 139(T)/2007 (AA295030)

Trial leading lights, 317°, exist as follows:

| <i>Position (WGS84 datum)</i> | <i>Remarks</i> |
|-------------------------------|--------------------|
| 38° 16'. 97 S 144° 29'. 97 E | Front <i>Fl.4s</i> |
| 38° 16'. 95 S 144° 29'. 94 E | Rear <i>F.Bu</i> |

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 143 - AU439144

1468(T)/2009 AUSTRALIA - VICTORIA - Barwon River - Bridge construction; exclusion zones; light buoys established

Former Notice - 1205(T)/2009 is cancelled
Date - Until 30 November 2010
Victorian Notice 133(T)/2009 (AA431931)

An exclusion zone exists around bridge construction works at the entrance to Barwon River.

An exclusion zone, marked by special buoys, exists in an area bounded by the following positions:

38° 16'.94 S 144° 29'.68 E
38° 16'.92 S 144° 29'.87 E
38° 16'.97 S 144° 29'.85 E
38° 16'.98 S 144° 29'.67 E.

Lateral light buoys have been established to mark the permitted transit lane through the exclusion zone. Construction work requirements will from time to time require the short term closure of the transit lane. Advice will be provided when the closures are to occur on Coast Radio Melbourne VHF Ch 67 at 0848 and 1448.

Vessels entering the river from Bass Strait may be able to berth at the Barwon Heads main jetty (38° 17'.06 S 144° 29'.76 E) while the transit lane is closed. Vessels looking to access Bass Strait from the river will need to anchor or beach nearby to wait for the transit lane to be opened. No berthing is allowed at any time at the jetty (38° 16'.75 S 144° 29'.77 E).

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 143 - Aus 788 - AU439144

1469(T)/2009 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - River Yarra - Harbour works

Former Notice - 1212(T)/2008 is cancelled
Date - Until 30 January 2010
Victorian Notice 173(T)/2009 (AA444962)

Harbour works and diving operations associated with the rehabilitation of the wharf face are in progress (37° 49'.23 S 144° 55'.77 E).

A safety floating boom exists between 25 South Wharf (37° 49'.24 S 144° 55'.86 E) and 26 South Wharf (37° 49'.22 S 144° 55'.68 E).

Further information can be obtained from Melbourne VTS on VHF Ch 12.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 154 - AU5XX154

1470(T)/2009 AUSTRALIA - BASS STRAIT - Drilling operations

Date - Until 31 May 2010
Esso Australia Pty Ltd (AA445557, AA445558)

The jack-up barge *Ocean Patriot* is conducting drilling operations in the following positions:

38° 07'.22 S 148° 23'.16 E
38° 09'.68 S 148° 12'.97 E
38° 10'.85 S 148° 35'.62 E
38° 10'.85 S 148° 35'.63 E
38° 10'.86 S 148° 35'.59 E
38° 10'.87 S 148° 35'.59 E
38° 19'.20 S 148° 06'.17 E.

A 500m safety zone exists at each location.

Chart temporarily affected - Aus 357A - Aus 487 - AU439148

187(P)/2010 AUSTRALIA - VICTORIA - Crib Point to Flinders - Light beacons to be established

Date - On or about 11 February 2010
Victorian Notice 16(T)/2010 (AA453356)

Special light beacons will be established as follows;

| <i>Position</i> | <i>Remarks</i> |
|----------------------------|-----------------|
| 38° 20'.89 S 145° 13'.30 E | <i>Fl. Y.4s</i> |
| 38° 28'.00 S 145° 03'.20 E | <i>Fl. Y.5s</i> |

Chart which will be affected - Aus 150 - Aus 151 - Aus 152 - AU439145 - AU5152P3

188(T)/2010 AUSTRALIA - BASS STRAIT - Seismic survey

Date – 30 April 2010

Environment Resource Group Pty Ltd (AA453254)

MV *Aquila Explorer* with a 6000m towed array is conducting a survey in the area bounded by the following positions (WGS84 datum):

| | |
|----------------------------|-----------------------------|
| 38° 47'.07 S 146° 48'.19 E | 38° 12'.61 S 147° 31'.92 E |
| 38° 56'.01 S 148° 28'.79 E | 38° 40'.45 S 148° 47'.97 E |
| 38° 49'.86 S 149° 00'.33 E | 39° 05'.45 S 148° 41'.15 E |
| 39° 18'.66 S 148° 58'.46 E | 39° 51'.73 S 148° 17'.22 E |
| 39° 42'.22 S 148° 04'.85 E | 39° 38'.35 S 148° 09'.74 E |
| 39° 30'.75 S 147° 59'.84 E | 39° 36'.54 S 147° 52'.51 E. |

Chart temporarily affected - Aus 357A - Aus 487 - Aus 800 - Aus 802 - AU439146 - AU439147 - AU439148 - AU440147 - AU440148

TASMANIA

922(P)/2005 AUSTRALIA - TASMANIA - Furneaux Group - Franklin Sound - Shoaling. DGST mA105447 ID 21857 (A159085).

Lesser depths than those charted exist in the approaches to Lady Baron as follows:

- (a) on the north bank between the 1.3 metre depth (40° 19'.46 S 148° 03'.27 E) and the port lateral buoy (40° 19'.39 S 148° 06'.54 E)
- (b) on the south bank between the 1 metre depth (40° 19'.29 S 148° 08'.19 E) and the drying bank (40° 18'.54 S 148° 10'.49 E)
- (c) in the passage west of Great Dog Island and Little Green Island; on the western bank between the drying bank (40° 14'.17 S 148° 13'.42 E) and Adelaide Bay (40° 13'.01 S 148° 14'.91 E).

Mariners are advised to navigate with caution in the area.

Chart which will be affected - Aus 179 - Aus 800.

131(T)/2008 AUSTRALIA - TASMANIA - Georges Bay - Shoaling

Former Notice - 1204(T)/2006 is cancelled

Marine and Safety Tasmania Notice M147-07 (AA306723)

Shoaling, minimum depth *1.5 metres*, exists along the track adjacent to Pelican Point inside Georges Bay. Local knowledge should be sought prior to transiting the barway and channel.

Chart temporarily affected - Aus 169

509(T)/2008 AUSTRALIA - TASMANIA - Hobart - New Town Bay - Obstructions

Marine and Safety Tasmania Notice M47/2008 (AA331335)

A number of pontoons and barges have sunk. Mariners should not pass inshore of position 42° 50'.72 S 147° 19'.04 E and the remaining pontoons.

Chart temporarily affected - Aus 171 - Aus 172

833(T)/2008 AUSTRALIA - TASMANIA - River Derwent - Scientific instruments

Former Notice - 676(T)/2008 is cancelled

Date - Until 31 July 2010

Marine and Safety Tasmania Notice M68/2008 (AA344444)

Scientific instruments exist as follows:

| <i>Position (WGS84 datum)</i> | <i>Remarks</i> |
|-------------------------------|-----------------|
| 43° 02'.80 S 147° 24'.34 E | <i>Fl.6s 2M</i> |
| 43° 03'.53 S 147° 22'.50 E | subsurface |
| 43° 02'.88 S 147° 21'.12 E | subsurface |
| 43° 03'.40 S 147° 20'.88 E | subsurface |

Chart temporarily affected - Aus 171 - Aus 173 - Aus 174 - Aus 795

274(T)/2009 AUSTRALIA - TASMANIA - Storm Bay - Scientific instruments

Date - Until 31 March 2010

Marine and Safety Tasmania M27/2009 (AA386833)

Scientific instruments exist as follows:

| <i>Position</i> | <i>Remarks</i> |
|--------------------------|----------------|
| 43° 12'.0 S 147° 33'.0 E | subsurface |
| 43° 18'.0 S 147° 39'.6 E | subsurface |
| 43° 18'.0 S 147° 39'.7 E | subsurface |

Chart temporarily affected – Aus 795 – Aus 796

460(T)/2009 AUSTRALIA - TASMANIA - Spring Bay - Depth information

Former Notice - 891(T)/2008 is cancelled

Tasports (AA397043, AA397044)

Available depths as at 3 March 2009:

| <i>Berth</i> | <i>Metres</i> |
|------------------|---------------|
| Spring Bay Berth | 11.0 |
| Spring Bay Basin | 10.5 |

* Indicates revised entry.

Chart temporarily affected - Aus 175

522(T)/2009 AUSTRALIA - TASMANIA - Hobart - Depth information

Former Notice - 459(T)/2009 is cancelled

Marine and Safety Tasmania Notice M62/2009 (AA400769)

Available depths as at 21 April 2009:

| | <i>Metres</i> |
|--------------------|--------------------------------|
| Princes 1 | 7.4 |
| Princes Int | 7.6 |
| Princes 2 | 7.8 |
| Princes 3 | 8.5 |
| Princes 4 | 7.5 |
| Elizabeth St South | 9.8 (6.0m first 20m inner end) |
| Macquarie 1 | 6.8 (4.5m first 20m inner end) |
| Macquarie 2 | 9.3 |
| Macquarie 3 | 10.0 |
| Macquarie 4 | 13.0 |
| Macquarie 5 | 12.0 |
| Macquarie 6 | 11.0 |
| Selfs Point | 14.4 |
| Risdon 1 | 9.2 |
| Risdon 2 | 10.0 |

* Indicates new or revised entry.

Chart temporarily affected - Aus 172

574(T)/2009 AUSTRALIA - TASMANIA - Southport - Harbour works

Former Notice - 1321(T)/2008 is cancelled

Marine and Safety Tasmania Notice M103/2008, M65/2009 (AA364362, AA402316)

Harbour works associated with the demolition of the existing jetty (43° 25'.97 S 146° 58'.47 E) and construction of a new jetty are in progress.

The light (43° 26'.00 S 146° 58'.49 E) is unlit.

The jetty is closed to all vessels. Limited berthing will be available on the jetty head in consultation with the contractor.

Chart temporarily affected – Aus 173 – Aus 174 – Aus 795 - AU444146

795(T)/2009 AUSTRALIA - TASMANIA - River Derwent - Hobart - Buoy established

Marine and Safety Tasmania Notice M86/2009 (AA414916, AA414949)

A special buoy exists in position 42° 54'.11 S 147° 23'.02 E.

Chart temporarily affected – Aus 171

922(T)/2009 AUSTRALIA - TASMANIA - Burnie - Depth information

Former Notice - 686(T)/2009 is cancelled

Tasports (AA420205)

Available depths as at 27 July 2009:

| <i>Berth</i> | <i>Metres</i> | <i>Remarks</i> |
|--------------|---------------|--|
| * No 4 Berth | 7.5 | |
| * No 5 Berth | 10.8 | 9.2m first 75m outer end, 10.8m for the next 200m |
| No 6 Berth | 10.0 | |
| * No 7 Berth | 10.6 | 10.0m first 30m outer end, 10.2m for the next 35m, 10.6m for the next 205m |

* Indicates new or revised entry.

Chart temporarily affected – Aus 163

979(T)/2009 AUSTRALIA - TASMANIA - Devonport - Depth information

Former Notice - 685(T)/2009 is cancelled

Marine and Safety Tasmania Notice M100/2009 (AA423319)

Available depths as at 21 July 2009:

| <i>Berth</i> | <i>Metres</i> |
|--------------|---------------|
|--------------|---------------|

| | |
|------------------|-----|
| Entrance Channel | 8.0 |
| * Swing Basin | 8.4 |
| 1E | 6.5 |
| * 2E | 7.6 |
| 3E | 7.8 |
| * 1W | 7.4 |
| 2W | 6.3 |
| 3W | 6.3 |
| * 4W | 8.6 |
| * 5W | 4.7 |

* Indicates new or revised entry.

Chart temporarily affected - Aus 164 - AU5164P1

1085(T)/2009 AUSTRALIA - TASMANIA - River Tamar - Port Dalrymple - Reclamation works

Former Notice - 1055(T)/2008 is cancelled

Date - Until 10 March 2010

Marine and Safety Tasmania Notice M116/2009 (AA425265)

Reclamation works are in progress between positions 41° 08'.30 S 146° 50'.35 E and 41° 08'.20 S 146° 50'.00 E .

A silt curtain marked by three special light buoys, *Fl.Y.5s*, exists in the area.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 167 - Aus 799 - AU442146 - AU5167X8

1086(T)/2009 AUSTRALIA - TASMANIA - Bell Bay - Long Reach - Light beacon destroyed

Former Notice - 220(T)/2008 is cancelled

Date - Until 26 March 2010

Marine and Safety Tasmania Notice M115/2009 (AA425266)

No 2 light beacon K3588 (41° 09'.62 S 146° 54'.96 S) has been destroyed; a port lateral light buoy, *Fl.R.3s*, exists in situ.

Chart temporarily affected - Aus 167 - Aus 168 - AU5167X8

1142(T)/2009 AUSTRALIA - TASMANIA - Port Dalrymple - Scientific instruments

Date - Until 30 September 2010

MetOcean Engineers (AA429344, AA429345)

Scientific instruments marked by surface floats exist in the following positions:

40° 59'.08 S 146° 46'.70 E

41° 00'.27 S 146° 51'.65 E

41° 03'.70 S 146° 45'.05 E

Chart temporarily affected – Aus 167 – Aus 799 - AU442146 - AU5167X8

1341(T)/2009 AUSTRALIA - TASMANIA - Storm Bay - Scientific instruments

Date - Until 31 March 2010

Marine and Safety Tasmania Notice M164/2009 (AA439572)

Subsurface scientific instruments exist in positions (WGS84 datum):

43° 10'.29 S 147° 32'.09 E

43° 18'.00 S 147° 39'.60 E

43° 18'.00 S 147° 39'.70 E.

Chart temporarily affected - Aus 795 - Aus 796 - AU444147

88(T)/2010 AUSTRALIA - TASMANIA - Little Oyster Cove - Harbour works; light beacon discontinued

D Davey (AA448185), Marine and Safety Tasmania Notice M5/2010 (AA448186)

Harbour works associated with the expansion of the marina (43° 07'.5 S 147° 15'.2 E) are in progress.

The starboard beacon (43° 07'.49 S 147° 15'.41 E) has been removed.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 171 - Aus 173 - AU444147

91(T)/2010 AUSTRALIA - TASMANIA - Georges Bay - Wreck

Former Notice - 1204(T)/2009 is cancelled

Marine and Safety Tasmania Notice M3/2010 (AA447779)

A stranded wreck exists in position 41° 16'.24 S 148° 20'.07 E, with a floating line marked by a white poly-float leading to an anchor in position 41° 16'.20 S 148° 20'.13 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 169

92(T)/2010 AUSTRALIA - TASMANIA - River Tamar - Windermere - Obstruction

Marine and Safety Tasmania Notice M7/2010 (AA448264)

A submerged cable exists in the vicinity of position 41° 19'.08 S 147° 00'.23 E.

Chart temporarily affected - Aus 168 - AU5167X8

143(T)/2010 AUSTRALIA - TASMANIA - Port Dalrymple - Bell Bay - Light buoy off station

Marine and Safety Tasmania Notice M15/2010 (AA451833)

The light buoy, Oc.Y.5s (41° 08'.8 S 146° 51'.5 E), has sunk in position.

Chart temporarily affected - Aus 167 - AU5167X8

185(T)/2010 AUSTRALIA - TASMANIA - River Derwent - Geilston Bay - Wreck

Marine and Safety Tasmania Notice M21/2010 (AA453125)

A wreck exists in position 42° 50'.33 S 147° 20'.54 E.

Mariners are advised to navigate with caution in the area.

Chart temporarily affected - Aus 172 - AU5XX172

238(P)/2010 AUSTRALIA - TASMANIA - Devonport - Mersey River - Shoaling

Marine and Safety Tasmania Notice M23/2010 (AA454296, AA454297, AA455555)

Shoaling, with a least depth of 9.1m, exists within 150m radius of 41° 09' S 159° 12' E.

Aus 164 and ENC will be updated in due course.

Chart which will be affected - Aus 164 - AU5164P1

PAPUA NEW GUINEA

967(P)/2005 PAPUA NEW GUINEA - Madang - Horizontal datum anomaly.
AHO (A170008).

A topographic anomaly of between 50 and 80 metres may exist on chart Aus 646 in an E direction.

Mariners using ENC/RNC are advised to navigate with caution when approaching Madang.

A verification survey will be undertaken shortly.

Chart which will be affected - Aus 646.

404(T)/2008 PAPUA NEW GUINEA - Port Moresby - Fish aggregation device southwards

Former Notice - 665(T)/2006 is cancelled

Department of Transport and Civil Aviation PNG Notice 8/2004 (AA84295)

A fish aggregation device, marked by a buoy, exists in position 9° 44'.5 S 147° 17'.5 E (datum unknown).

Chart temporarily affected - Aus 379 - Aus 505 - Aus 4620 (INT 620)

406(T)/2008 PAPUA NEW GUINEA - Kimbe Island - Light unlit

Former Notice - 374(T)/2007 is cancelled

National Maritime Safety Authority PNG Notice 112/2007 (AA238440)

Light K3486 (5° 12'.29 S 150° 22'.59 E) is unlit.

Chart temporarily affected - Aus 547 - Aus 4622 (INT 622)

609(T)/2008 PAPUA NEW GUINEA - Bougainville Island - Lights unlit

Former Notice - 556(T)/2008 is cancelled

National Maritime Safety Authority PNG Notice 154/2008, 174/2008 (AA321602, AA342021)

The following lights are unlit:

| <i>Location</i> | <i>Position (WGS84 datum)</i> |
|----------------------------|-------------------------------|
| Takanupei Island (K4884.4) | 6° 08'.86 S 155° 34'.30 E |
| Dokome Point (K4885.2) | 6° 10'.91 S 155° 32'.94 E |
| Banaru Reef (K4885.7) | 6° 08'.30 S 155° 38'.88 E |
| Wogoromodo Reef (K4885.6) | 6° 10'.12 S 155° 39'.03 E |
| Moto Reef (K4885.8) | 6° 08'.70 S 155° 39'.50 E |
| Arawa Bay (K4884.6) | 6° 13'.74 S 155° 34'.37 E |
| Otua Islet (K4886) | 6° 27'.50 S 155° 58'.40 E |

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

1102(T)/2008 PAPUA NEW GUINEA - Rantan Island - Light unlit

National Maritime Safety Authority PNG Notice 209/2008 (AA363785)

The light K4887 (6° 40'.83 S 155° 58'.92 E) is unlit.

Chart temporarily affected - Aus 399 - AU407155

1471(T)/2009 PACIFIC OCEAN - Scientific instruments

Former Notice - 941(T)/2008 is cancelled

JAMSTEC (AA443477)

Scientific instruments, Triton buoys, exist as follows:

| <i>Number</i> | <i>Position</i> |
|---------------|---------------------------|
| 4 | 0° 00'.97 N 156° 02'.44 E |
| 5 | 2° 01'.00 S 155° 57'.50 E |
| 6 | 5° 01'.73 S 156° 01'.44 E |
| 9 | 0° 03'.59 N 147° 00'.64 E |

Chart temporarily affected - Aus 399 - Aus 4622 (INT 622) - AU306156

EAST TIMOR

309(T)/2005 EAST TIMOR - Pulau Jaco - Light unlit.

List of Lights Vol K/2005 -- 1371.500

MV *Total Provider* (A133672).

The light (8° 25'.3 S 127° 20'.2 E) is unlit.

Chart temporarily affected – Aus 311 – Aus 312 – Aus 313 – Aus 4721.

727(T)2006 EAST TIMOR - Dili - Point Laguebada - Light unlit.

List of Lights Vol K/2006 - 1368

OIC DGST (A195686).

The light (8° 32'.90 S 125° 34'.13 E) is unlit.

Chart temporarily affected - Aus 901.

MISCELLANEOUS

1147(T)/2009 AUSTRALIA - Summer time
Australian Government (AA427339)

Clocks will be advanced one hour at 0200 local time on 4 OCT 2009 and retarded one hour on 4 APR 2010 in the Australian Capital Territory, New South Wales, South Australia, Victoria and Tasmania.

No changes will be made in Queensland, Northern Territory and Western Australia.