

## TEMPORARY AND PRELIMINARY NOTICES

In force on 22 April 2011

### 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.**

#### **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](http://www.maritime.nsw.gov.au).

**Chart temporarily affected – Aus 198 – Aus 199 - AU5198X9**

#### **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**

**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**

**847(T)/2010 AUSTRALIA - NEW SOUTH WALES - Hastings River - Port Macquarie - Light discontinued**

*Former Notice - 50(T)/2010 is cancelled*

NSW Maritime (AA483333)

The light (31° 25'.61 S 152° 54'.87 E) has been temporarily discontinued and will be replaced with a new sector light.

**Chart temporarily affected - Aus 219 - Aus 219 - AU5219P3**

**918(T)/2010 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Obstructions**

*Former Notice - 864(T)/2008 is cancelled*

NSW Maritime (AA354885)

Lost anchors and cables exist in the area bounded by:

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 808 - AX 0808E**

**919(T)/2010 AUSTRALIA - NEW SOUTH WALES - Newcastle - Obstructions**

*Former Notice - 866(T)/2008 is cancelled*

NSW Maritime (AA354885)

Lost anchors and cables exist in the area bounded by:

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 809 - AX 0809E**

**1318(T)/2010 AUSTRALIA - NEW SOUTH WALES - Broken Bay - Barrenjoey Head - Light range reduced**

NSW Maritime (AA506509)

The light (33° 34'.82 S 151° 19'.79 E) has been temporarily altered to *Fl(4)20s 113m 12M*.

**Chart temporarily affected - Aus 197 - Aus 204 - Aus 215 - Aus 424 - Aus 489 - Aus 809 - AX 0809E - AX 67215 - Aus 4643**

**1376(T)/2010 AUSTRALIA - NEW SOUTH WALES - Botany Bay - Kurnell to La Perouse Point - Light buoys**

*Date - Until 31 March 2011*

Sydney Ports Corporation (AA509685)

Special spar light buoys, *Q.Y*, exist in the following positions:

33° 59'.51 S 151° 13'.52 E  
 34° 00'.07 S 151° 13'.05 E  
 34° 00'.17 S 151° 12'.88 E.

## Chart temporarily affected - Aus 198 - Aus 199

### 157(T)/2011 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Depth information

Former Notice - 917(T)/2010 is cancelled

Port Kembla Port Corporation Notice 1/2011 (AA516621)

Available depths as at 28 January 2011:

Berth	Metres	Remarks
Inner Harbour	15.1	
North West Basin	11.2	
101	11.3	
102	15.7	
103	11.7	
104	15.3	
105	15.2	(14.8 for vessels overhanging)
106	13.7	
107	12.1	
108	-	Future Development
109	11.8	
110	10.7	(9.0)
111	15.4	
112	12.8	
* 113	10.7	9.5m east of bollard 3 (16.7m chainage)
201	10.3	To 250m
201	9.3	To 280m
201	9.0	To 350m
202	10.5	
202	10.4	
202	10.2	
203	10.1	
204	4.2	
205	6.8	
206	11.1	

\* Indicates new or revised entry.

## Chart temporarily affected - Aus 194

### 158(P)/2011 AUSTRALIA - NEW SOUTH WALES - Bellambi Point - Light sector

Date - On or about 11 February 2011

Maritime NSW (AA516769)

A light, *F.WRG*, exists in position 34° 22'.11 S 150° 55'.57 E, with sectors *Green* 218.8° - 225.6° (6.8°) *White* 225.6° - 235.6° (10°) *Red* 235.6° - 241.3° (5.7°)

## Chart which will be affected - Aus 195

### 200(T)/2011 AUSTRALIA - NEW SOUTH WALES - Newcastle - Depth information

Former Notice - 103(T)/2011 is cancelled

Newcastle Port Corporation (AA518272)

Available depths as at 18 February 2011:

Berth	Metres
Western Basin 3	11.6
Western Basin 4	11.6
Eastern Basin 1	11.6
Eastern Basin 2 North of Ch 450	11.6
Eastern Basin 2 South of Ch 450	11.0
Channel Berth	8.3
Dyke 1	12.8
Dyke 2	12.8
* Dyke 4	16.5
* Dyke 5	16.5
Dyke 6	6.3
Mayfield 4 Ch 27 to 266	12.8
BHP Wharf 6 to Ch 1050	7.9
Kooragang 2	11.6
Kooragang 2 North Dolphin Ch 182 to 228	11.1
Kooragang 2 South Dolphin Ch -92 to 00	10.9
Kooragang 3	13.3
Kooragang 4	16.5

Kooragang 5	16.5
Kooragang 6	16.5
Kooragang 8	15.6
Kooragang 9	15.6
Kooragang Ship Receival KSR	7.5
Throsby 1	9.3
Carrington wharf	To be sounded as and when required
Foreshore Park Berth	5.9
Elgo wharf	To be sounded as and when required

#### **Channels**

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	15.0
Steelworks Channel to Swinging Basin	15.0
Swinging Basin	15.0
Swinging Basin to Mayfield 4	12.8
Hunter River South Arm (Kooragang 6 to Kooragang 9)	15.0
Basin Cutting	12.8
Basin Area to Eastern & Western Basin Berths	12.3
Basin Area to 1 Throsby	10.0
Stockton Crossing	3.6

\* Indicates revised entry.

#### **Chart temporarily affected - Aus 207 - Aus 208**

#### **201(T)/2011 AUSTRALIA - NEW SOUTH WALES - Newcastle - Harbour works; dredging operations**

*Date* - Until 31 January 2012

Newcastle Port Corporation (AA517200)

Works associated with the construction of berth K7 are in progress (32° 53'.17 S 151° 45'.73 E).

Dredging operations are in progress between 32° 53'.15 S 151° 45'.33 E and 32° 53'.42 S 151° 45'.85 E.

#### **Chart temporarily affected - Aus 207 - Aus 208**

#### **258(T)/2011 AUSTRALIA - NEW SOUTH WALES - Green Cape to Ballina Head - Scientific instruments**

*Former Notice* - 708(T)/2008 is cancelled

Manly Hydraulics Laboratory (AA520737 - AA520739)

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

28° 51'.2 S 153° 42'.1 E  
30° 21'.7 S 153° 16'.2 E  
31° 49'.5 S 152° 51'.6 E  
33° 46'.1 S 151° 24'.7 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**

#### **311(P)/2011 AUSTRALIA - NEW SOUTH WALES - North Avoca - Scuttling; light buoy**

*Date* - On or about 13 April 2011

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

HMAS *Adelaide* will be scuttled in position 33° 27'.91 S 151° 27'.38 E on Wednesday 13 April 2011.

A special light buoy exists in position 33° 27'.97 S 151° 27'.39 E.

During the scuttling a 1000m radius exclusion zone exists from position 33° 27'.91 S 151° 27'.38 E.

#### **Chart which will be affected - Aus 197 - Aus 204 - Aus 809 - AX 0809E**

**410(T)/2011 AUSTRALIA - NEW SOUTH WALES - Port Kembla - Spoil ground**  
Port Kembla Port Corporation Notice 2/2011 (AA528983)

A spoil ground marked by six lit special buoys exists in the vicinity of position 34° 28'.33 S 150° 54'.57 E.

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

**411(P)/2011 AUSTRALIA - NEW SOUTH WALES - Newcastle - Light buoy established**  
*Date* – 21 April 2011  
Newcastle Port Corporation (AA527716)

A special pillar light buoy, Q(3)Y.5s, exists in position 32° 54'.95 S 151° 48'.82 E.

**Chart which will be affected - Aus 207**

## QUEENSLAND

### **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.**

### **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**

### **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**

**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**

**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**

**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**

**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**

**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**

**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**

**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**

**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**

**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**

**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**

**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**

**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, *Fl(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**

**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**

**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**

**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**

**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**

**1445(T)/2009 AUSTRALIA - QUEENSLAND - Gladstone - South Channel - Boyne Cutting - Light beacon destroyed; light buoy established**

Maritime Safety Queensland Notice 837(T)/2009 (AA445615)

S14 light beacon (23° 55'.90 S 151° 27'.42 E) has been destroyed; a port lateral light buoy, *Fl.R.4s*, has been established in situ.

**Chart temporarily affected - Aus 246 - AU424151**

**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**

**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**

**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**

**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**

**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**

**318(T)/2010 AUSTRALIA - QUEENSLAND - Heskett Rock - Light beacon destroyed**

Maritime Safety Queensland Notice 273(T)/2010 (AA462501)

The south cardinal light beacon (20° 56'.19 S 149° 28'.98 E) has been destroyed.

**Chart temporarily affected - Aus 251 - Aus 823 - Aus 824 – AX 0823E - AU421149**

**327(T)/2010 AUSTRALIA - QUEENSLAND - Cairns - Depth information**

*Former Notice - 511(T)/2009 is cancelled*

Maritime Safety Queensland Notice 239(T)/2010 (AA461277)

Available depths as of 19 March 2010:

	<i>Metres</i>	<i>Remarks</i>
Entrance Channel	8.3	
Crystal Swing Basin at:		
* 360 metre diameter	7.4	
* 380 metre diameter	6.8	
Swing Basin at:		
310 metre diameter	8.7	
* 320 metre diameter	8.0	
Marlin Marina	3.3	
Berths:		
* No 1	8.5	
No 2	8.5	
No 3	8.4	
No 4	8.4	
* No 5	7.1	
* No 6	7.1	between 500 metres and 550 metres
* No 6	7.4	between 550 metres and 600 metres
* No 7	10.0	
* No 8	10.1	
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**

**380(T)/2010 AUSTRALIA - QUEENSLAND - Seaforth - Light beacon destroyed**

Maritime Safety Queensland Notice 300(T)/2010 (AA463668)

The light beacon, *Fl.R.2.5s* (20° 53'.72 S 148° 58'.69 E), has been destroyed; a port lateral light buoy, *Fl.R.2.5s*, exists in situ.

**Chart temporarily affected - Aus 251 - AU421148**

**381(T)/2010 AUSTRALIA - QUEENSLAND - Acacia Island - Light beacon destroyed**

*Former Notice - 322(T)/2010 is cancelled*

Maritime Safety Queensland Notice 296(T)/2010 (AA463670)

The light beacon, *Fl.R.3s* (20° 52'.40 S 148° 55'.66 E), has been destroyed; a port lateral light buoy, *Fl.R.3s*, exists in situ.

**Chart temporarily affected - Aus 251 - AU421148**

**389(T)/2010 AUSTRALIA - TORRES STRAIT - Stephens Islet - Wreck northwards**

*Former Notice - 1137(T)/2009 is cancelled*

Australian Maritime Safety Authority (AA463913)

A wreck, FV *Poseidon*, exists in approximate position 9° 23'.4 S 143° 34'.4 E.

Mariners are advised to navigate with caution in the area.

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

**436(T)/2010 AUSTRALIA - QUEENSLAND - Henderson Rock - Wreck**

Maritime Safety Queensland Notice 342/2010 (AA466123)

A wreck exists in position 27° 07'.57 S 153° 28'.36 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 236 - Aus 364 - Aus 814 - AU428153**

**444(T)/2010 AUSTRALIA - QUEENSLAND - Laguna Quays - Lights unlit; light beacons damaged**

Maritime Safety Queensland Notice 341(T)/2010 (AA466151)

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

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 252 - AU5252P1**

**445(T)/2010 AUSTRALIA - QUEENSLAND - Proserpine River - Light beacon destroyed; light beacon damaged**

Maritime Safety Queensland Notice 327(T)/2010 (AA466604)

The starboard lateral light beacon, *Fl.G.3s* (20° 30'.62 S 148° 44'.03 E), has been destroyed; a light buoy exists in situ.

The starboard lateral light beacon, *Fl.G.3s* (20° 29'.88 S 148° 43'.52 E), has been damaged.

**Chart temporarily affected - Aus 252 - Aus 824 - AU421148**

**560(T)/2010 AUSTRALIA - QUEENSLAND - Brisbane River - Whyte Island - Harbour works**

*Date - Until 31 January 2011*

Maritime Safety Queensland Notice 429(T)/2010 (AA470851)

Works are in progress at the western side of the bridge (27° 24'.03 S 153° 09'.89 E).

Temporary construction platforms have been established extending from the shore on both sides of Boat Passage and all hazards to navigation will be marked by flashing yellow lights.

Mariners are advised to navigate with caution in the area.

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

**621(T)/2010 AUSTRALIA - QUEENSLAND - Port Douglas - Depth information**

*Former Notice - 117(T)/2008 is cancelled*

Maritime Safety Queensland Notice 459(T)/2010 (AA472386)

Available depths as at 19 March 2010:

	<i>Metres</i>
* Outer Channel	2.3
* Inner Channel	2.1
* Boat ramp to marina	1.9
* Shoreline to mooring piles from southern side of boat ramp to marina	0.0
* Indicates revised entry.	

**Chart temporarily affected - Aus 270 - AU5270P1**

**712(T)/2010 AUSTRALIA - QUEENSLAND - Moreton Bay - Deception Bay - Obstruction**

Maritime Safety Queensland Notice 537(T)/2010 (AA478558)

An obstruction marked by a special light buoy, *Fl.Y.2.5s*, exists in position 27° 12'.24 S 153° 05'.57 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 236 - AU428153**

**716(T)/2010 AUSTRALIA - QUEENSLAND - Barb Reef - Beacon destroyed**

Maritime Safety Queensland Notice 532(T)/2010 (AA476018)

The west cardinal beacon (19° 49'.07 S 149° 07'.45 E) has been destroyed.

**Chart temporarily affected - Aus 254 - Aus 825 - AU320149**

**717(T)/2010 AUSTRALIA - QUEENSLAND - Cape Ferguson - Scientific instruments**

*Date - Until 30 June 2011*

Australian Institute of Marine Science (AA478783), Maritime Safety Queensland Notice 560(T)/2010 (AA478784)

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

19° 16'.84 S 147° 02'.98 E  
 19° 16'.84 S 147° 03'.26 E  
 19° 16'.84 S 147° 03'.55 E  
 19° 16'.84 S 147° 03'.83 E  
 19° 16'.84 S 147° 04'.09 E  
 19° 16'.57 S 147° 04'.09 E  
 19° 16'.30 S 147° 04'.09 E  
 19° 16'.03 S 147° 04'.09 E  
 19° 15'.76 S 147° 04'.09 E  
 19° 15'.49 S 147° 04'.09 E  
 19° 15'.39 S 147° 03'.93 E  
 19° 15'.39 S 147° 03'.70 E.

**Chart temporarily affected - Aus 256 - Aus 827 - AU320147**

**718(T)/2010 AUSTRALIA - QUEENSLAND - Townsville - Ross River - Light buoy established**

Maritime Safety Queensland Notice 540(T)/2010 (AA476736)

A port lateral light buoy, *Fl.R.2.5s*, exists in position 19° 15'.81 S 146° 50'.46 E.

**Chart temporarily affected - Aus 256 - Aus 257 - AU5XX257**

**760(T)/2010 AUSTRALIA - QUEENSLAND - Gladstone - Fishermans Landing to Curtis Island - Pipeline**

Maritime Safety Queensland Notices 527(T)/2010; 578(T)/2010 (AA475784, AA481478)

A submarine pipeline, marked by unlit orange buoys and lit special buoys, exists between;

23° 47'.15 S 151° 10'.18 E  
 23° 46'.92 S 151° 10'.44 E  
 23° 46'.80 S 151° 11'.14 E  
 23° 46'.83 S 151° 11'.24 E  
 23° 46'.91 S 151° 11'.89 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 244 - Aus 245 - AU5244X5**

**763(T)/2010 AUSTRALIA - QUEENSLAND - Shute Harbour - Wreck**

Maritime Safety Queensland Notice 568(T)/2010 (AA480151)

A wreck marked by a special light buoy, *Fl.Y.5s*, exists in position 20° 17'.76 S 148° 47'.24 E.

**Chart temporarily affected - Aus 252 - Aus 253 - AU421148 - AU5253P1**

**766(T)/2010 AUSTRALIA - QUEENSLAND - Karumba - Depth information**

*Former Notice - 679(T)/2010 is cancelled*

Maritime Safety Queensland Notice 599(T)/2010 (AA481554)

Available depths as at 11 June 2010:

<i>Berth</i>	<i>Metres</i>
* Entrance Channel	3.6
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**

**804(T)/2010 AUSTRALIA - QUEENSLAND - Colosseum Inlet - Obstruction**

Maritime Safety Queensland Notice 610(T)/2010 (AA482348)

An obstruction exists in position 23° 57'.55 S 151° 26'.24 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 246 - Aus 819 - AU424151**

**922(T)/2010 AUSTRALIA - QUEENSLAND - Bundaberg - Burnett River - Shoaling**  
Maritime Safety Queensland Notice 710(T)/2010 (AA489835)

Shoaling, with a least depth of *0.2m*, exists in the vicinity of 24° 46'.55 S 152° 22'.90 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 242**

**929(T)/2010 AUSTRALIA - QUEENSLAND - Cooktown - Depth information**  
*Former Notice - 876(T)/2008 is cancelled*  
Maritime Safety Queensland Notice 720(T)/2010 (AA490135)

Available depths as at 20 August 2010:

	<i>Metres</i>
* Entrance Channel	1.7
* Inner Channel	2.1
* Public Wharf	2.6
Swing Basin	1.2
* Indicates new or revised entry.	

**Chart temporarily affected - Aus 270**

**963(T)/2010 AUSTRALIA - QUEENSLAND - Southport - Dredging operations**  
*Former Notice - 849(T)/2010 is cancelled*  
*Date - Until 31 March 2011*  
Maritime Safety Queensland Notice 662(T)/2010, 776(T)/2010 (AA484802, AA493415)

The dredge *Port Frederick* and *Faucon* are conducting dredging operations in the West Crab Island Channel (27° 54'.2 S 153° 24'.5 E).

The dredge will transport the spoil close to shore off South Stradbroke Island and Surfers Paradise.

The dredges will monitor VHF Ch 16 and Ch 67.

The west cardinal light beacon (27° 54'.89 S 153° 24'.71 E) has been removed and a west cardinal light buoy, *Q(9)15s*, has been established in position 27° 54'.90 S 153° 24'.73 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 230**

**965(T)/2010 AUSTRALIA - QUEENSLAND - Brisbane River - Shoaling**  
Maritime Safety Queensland Notice 760(T)/2010 (AA493156)

Shoaling, with least depth *8.4m*, exists in the vicinity of 27° 26'.74 S 153° 06'.15 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 238 - AU5237X8**

**966(T)/2010 AUSTRALIA - QUEENSLAND - Moreton Bay - Bramble Bay - Bridge construction**  
*Former Notice - 380(T)/2009 is cancelled*  
*Date - Until 30 June 2011*  
Maritime Safety Queensland Notice 171(T)/2008, 164(T)/2009, 166(T)/2009, 756(T)/2010 (AA323151, AA395818, AA396377, AA492668)

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>

Piles marked by flashing yellow lights exist adjacent to the channel in position 27° 15'.82 S 153° 04'.70 E.

Mariners should navigate with caution in the area.

#### Chart temporarily affected - Aus 236

#### 971(T)/2010 AUSTRALIA - QUEENSLAND - Double Island - Scientific instrument

*Former Notice - 726(T)/2009 is cancelled*

Maritime Safety Queensland Notice 738(T)/2010 (AA491149)

Special light buoy, *Fl(5)Y.20s*, exist in position 16° 44'.06 S 145° 42'.60 E

Mariners are not to use these buoys as moorings.

#### Chart temporarily affected - Aus 830

#### 1012(T)/2010 AUSTRALIA - QUEENSLAND - Moreton Bay - Fisherman Islands - Lights established

Maritime Safety Queensland Notice 803(T)/2010 (AA495045)

Lights are being established at 50m intervals along the sea wall between positions 27° 20'.91 S 153° 11'.26 E and 27° 21'.70 S 153° 11'.71 E.

During the establishment and testing process, the flashing interval and intensity of the lights will be varied.

Mariners are advised to navigate with caution in the area.

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

#### 1080(T)/2010 AUSTRALIA - QUEENSLAND - Townsville - Scientific instruments

*Date - Until 30 June 2011*

Maritime Safety Queensland Notices 838(T)/2010, 843(T)/2010 (AA496798, AA496782)

Scientific instruments exist as follows:

<i>Position</i>	<i>Remarks</i>
19° 14'.68 S 146° 51'.42 E	lit buoy, <i>Fl. Y.5s</i>
19° 14'.69 S 146° 51'.41 E	lit buoy, <i>Fl. Y.5s</i>
19° 16'.07 S 146° 50'.26 E	lit beacon, <i>Fl. Y.5s</i> .

#### Chart temporarily affected - Aus 256 - Aus 257

#### 1081(T)/2010 AUSTRALIA - QUEENSLAND - Gladys Inlet - Shoaling; light buoys repositioned

*Former Notice - 1022(T)/2010 is cancelled*

Maritime Safety Queensland Notices 802(T)/2010, 829(T)/2010 (AA494990, AA497025)

Shoaling exists in the entrance to Johnstone River (17° 30'.5 S 146° 04'.7 E).

The light buoys have been repositioned as follows:

<i>Charted position</i>	<i>Current position</i>
17° 30'.37 S 146° 04'.76 E	17° 30'.40 S 146° 04'.86 E
17° 30'.51 S 146° 04'.50 E	17° 30'.44 S 146° 04'.44 E.

Mariners are advised to navigate with caution in the area.

#### Chart temporarily affected - Aus 258

#### 1123(T)/2010 AUSTRALIA - QUEENSLAND - Brisbane River - Fisherman Islands - Harbour works

*Date - Until 28 February 2011*

Maritime Safety Queensland Notice 899(T)/2010 (AA498767)

Works associated with the construction of berth 11 are in progress (27° 21'.63 S 153° 10'.70 E).

The barge *Maeve Anne* is conducting piling operations and has deployed two anchors. The down stream anchor will be marked by a special light buoy. The barge will display appropriate lights and shapes.

Information on the status of the barge and moorings can be obtained from Brisbane harbour on VHF Ch 12 or (07) 3305 1700.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 237**

**1183(T)/2010 AUSTRALIA - QUEENSLAND - Moreton Bay - Pelican Banks - Wreck; light buoy established**

*Former Notice* - 374(T)/2010 is cancelled

Maritime Safety Queensland Notice 940(T)/2010 (AA500783)

A stranded wreck exists in position 27° 34'.59 S 153° 24'.24 E; a port lateral light buoy, *Fl.R.2-5s*, exists in position 27° 34'.57 S 153° 24'.27 E.

**Chart temporarily affected - Aus 236**

**1187(T)/2010 AUSTRALIA - QUEENSLAND - Schooner Rock - Light beacon destroyed; light buoy established**

*Former Notice* - 319(T)/2010 is cancelled

Maritime Safety Queensland Notice 925(T)/2010 (AA500697)

The north cardinal light beacon (20° 54'.04 S 149° 25'.91 E) has been destroyed; a north cardinal light buoy, *Q*, exists in situ.

**Chart temporarily affected - Aus 251 - Aus 824**

**1188(T)/2010 AUSTRALIA - QUEENSLAND - Io Reef - Light beacon destroyed; light buoy established**

*Former Notice* - 382(T)/2010 is cancelled

Maritime Safety Queensland Notice 932(T)/2010 (AA500605)

The west cardinal light beacon (20° 41'.58 S 149° 07'.70 E) has been destroyed; a west cardinal light buoy, *Q(9)15s*, exists in situ.

**Chart temporarily affected - Aus 251 - Aus 252 - Aus 824**

**1189(T)/2010 AUSTRALIA - QUEENSLAND - Whitsunday Group - Shaw Island - Platypus Rock - Light beacon destroyed; light buoy established**

*Former Notice* - 511(T)/2010 is cancelled

Maritime Safety Queensland Notice 926(T)/2010 (AA500696)

The west cardinal light beacon (20° 31'.23 S 149° 02'.31 E) has been destroyed; a west cardinal light buoy, *VQ(9)10s*, exists in situ.

**Chart temporarily affected - Aus 252 - Aus 254 - Aus 824**

**1191(T)/2010 AUSTRALIA - QUEENSLAND - Surprise Rock - Light beacon destroyed; light buoy established**

*Former Notice* - 329(T)/2009 is cancelled

Maritime Safety Queensland Notice 929(T)/2010 (AA500615)

The isolated danger light beacon (20° 21'.3S 149° 01'.6 E) has been destroyed; an isolated danger light buoy, *Fl(2)6s*, exists in situ.

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

**1192(T)/2010 AUSTRALIA - QUEENSLAND - Whitsunday Island - Whitehaven Beach - Light beacon destroyed; light buoy established**

*Former Notice* - 323(T)/2010 is cancelled

Maritime Safety Queensland Notice 933(T)/2010 (AA500602)

The north cardinal light beacon (20° 17'.53 S 149° 03'.35 E) has been destroyed; a north cardinal light buoy, *Q*, exists in situ.

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

**1193(T)/2010 AUSTRALIA - QUEENSLAND - Whitsunday Island - Reef Point - Light beacon destroyed; light buoy established**

*Former Notice* - 446(T)/2010 is cancelled

Maritime Safety Queensland Notice 927(T)/2010 (AA500700)



The port lateral light beacon (20° 17'.45 S 148° 54'.71 E) has been destroyed; a port lateral light buoy, *Fl.R.2-5s*, exists in situ.

**Chart temporarily affected - Aus 252 - Aus 253 - Aus 254**

**1194(T)/2010 AUSTRALIA - QUEENSLAND - Macona Inlet - Light beacon destroyed; light buoy established**

*Former Notice* - 1131(T)/2010 is cancelled

Maritime Safety Queensland Notice 923(T)/2010 (AA500702)

The starboard lateral light beacon (20° 10'.29 S 148° 55'.10 E) has been destroyed; a starboard lateral light buoy, *Fl.G.2-5s*, exists in situ.

**Chart temporarily affected - Aus 252**

**1195(T)/2010 AUSTRALIA - QUEENSLAND - Hook Island - Nara Inlet - Light beacon destroyed; light buoy established**

*Former Notice* - 512(T)/2010 is cancelled

Maritime Safety Queensland Notice 924(T)/2010 (AA500701)

The light beacon (20° 09'.81 S 148° 54'.04 E) has been destroyed; a port lateral light buoy, *Fl.R.2-5s*, exists in situ.

**Chart temporarily affected - Aus 252**

**1197(T)/2010 AUSTRALIA - QUEENSLAND - Hinchinbrook Channel - Cardwell - Wreck**

Maritime Safety Queensland Notice 945(T)/2010 (AA501575)

A wreck exists in position 18° 14'.72 S 146° 01'.66 E.

Mariners are advised to navigate with caution in the area.

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

**1198(T)/2010 AUSTRALIA - QUEENSLAND - Prince of Wales Channel - Herald Patches - AIS trial**

*Date* - Until 30 June 2011

Australian Maritime Safety Authority ATH 8/2010 (AA500893, AA501167, AA501443)

A project to verify the ability of the mariner to view and effectively use AIS as an aid to navigation is underway.

An AIS unit (MMSI: 995031022) has been attached to Herald Patches light buoy (10° 30'.2 S 142° 21'.5 E (WGS84 datum)) in Torres Strait.

The AIS unit will provide information such as identity (MMSI and name), type of mark (lateral, starboard hand floating aid), positional accuracy and time of last update.

**Chart temporarily affected - Aus 292 - Aus 293**

**1258(T)/2010 AUSTRALIA - QUEENSLAND - Gladstone - Barney Point - Harbour works**

*Date* - Until 31 March 2011

Maritime Safety Queensland Notice 981(T)/2010 (AA503520)

The barge *Yarra 1* is conducting piling operations in the area bounded by the following positions:

23° 50'.13 S 151° 16'.00 E

23° 50'.10 S 151° 16'.21 E

23° 50'.18 S 151° 16'.45 E

23° 50'.23 S 151° 16'.29 E.

The barge has deployed 4 anchors marked by light buoys.

The barge will display appropriate lights and symbols and will monitor VHF Ch 13 and Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 244 – Aus 245**

**1263(T)/2010 AUSTRALIA - QUEENSLAND - Yorkeys Knob - Wreck**

*Former Notice* - 1196(T)/2010 is cancelled

Maritime Safety Queensland Notice 980(T)/2010 (AA503397)

A wreck exists in position 16° 46'.88 S 145° 42'.20 E.

**Chart temporarily affected - Aus 830**

**1329(T)/2010 AUSTRALIA - QUEENSLAND - Hay Point - Depth information**

*Former Notice - 714(T)/2010 is cancelled*

Maritime Safety Queensland Notice 992(T)/2010 (AA505743)

Available depths as at 19 November 2010:

*Metres*

HPS Berth No 1	16.2
* HPS Berth No 2	16.7
DBCT Berth No 1	17.8
DBCT Berth No 2	17.8
DBCT Berth No 3	18.7
DBCT Berth No 4	18.4

\* Indicates revised entry.

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

**1330(T)/2010 AUSTRALIA - QUEENSLAND - Mackay - Depth information**

*Former Notice - 762(T)/2010 is cancelled*

Maritime Safety Queensland Notice 994(T)/2010 (AA505479)

Available depths as at 23 November 2010:

<i>Remarks</i>	<i>Metres</i>
* Entrance Channel	8.7
* Swing Basin	8.6
Berth No 1	10.6
* Berth No 3	12.7
* Berth No 4	10.4
* Berth No 5	12.1

\* Indicates new or revised entry.

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

**Chart temporarily affected - Aus 250**

**1333(T)/2010 AUSTRALIA - TORRES STRAIT - Yorke Islands - Wreck**

Maritime Safety Queensland Notice 1002(T)/2010 (AA505444)

A wreck exists in position 9° 47'.46 S 143° 32'.88 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 376 - Aus 377 - Aus 840 - AX 60377**

**1383(T)/2010 AUSTRALIA - QUEENSLAND - Mooloolaba - Shoaling**

*Former Notice - 1073(T)/2010 is cancelled*

Maritime Safety Queensland Notice 1054(T)/2010 (AA508923)

Shoaling, with a least depth of 3.1m (LAT), exists within the entrance and approach channel to Mooloolah River.

Shoaling with a least depth of 2.4m exists between light beacon No1 (26° 40'.81 S 153° 07'.94 E) and No3 (26° 40'.86 S 153° 08'.01 E), along the starboard side of the channel.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 235**

**1386(T)/2010 AUSTRALIA - QUEENSLAND - Bundaberg - Anchoring prohibited**

Maritime Safety Queensland Notice 1017(T)/2010 (AA508845)

Temporary anchoring is restricted to an area bounded by the following positions:

24° 45'.47 S 152° 23'.43 E  
24° 45'.53 S 152° 23'.54 E  
24° 45'.48 S 152° 23'.79 E  
24° 45'.38 S 152° 23'.77 E.

Vessels are permitted to anchor in the area for up to 48hrs. Vessels must then move to one of the marinas or upstream of position 24° 46'.41 S 152° 22'.88 E.

Anchoring is not permitted in any section of the river downstream of 24° 46'.41 S 152° 22'.88 E and in the section of the Town Reach between positions 24° 51'.78 S 152° 21'.04 E and 24° 51'.81 S 152° 20'.77 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 242**

**1390(T)/2010 AUSTRALIA - QUEENSLAND - Gladstone - Scientific instruments**

*Former Notice* - 1283(T)/2009 is cancelled

*Date* - Until 31 January 2011

Maritime Safety Queensland Notice 1052(T)/2010 (AA508786)

Scientific instruments marked by special conical light buoys, Q.Y, exist as follows:

<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**

**1392(T)/2010 AUSTRALIA - QUEENSLAND - Gladstone - South Passage Island - Harbour works; light buoys established**

*Date* - Until 28 February 2011

Maritime Safety Queensland Notice 1037(T)/2010, 1039(T)/2010 (AA508728, AA508730)

Piling operations are in progress in the vicinity of position 23° 46'.74 S 151° 11'.88 E.

The barges *AMS 1801*, *Yarra 2*, *Steel Rover*, *Steel Ranger* and *Kim Heng 123* are onsite.

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

Lights buoys, *Fl.Y.3.5s*, exist in the following positions:

23° 46'.74 S 151° 11'.88 E
23° 46'.77 S 151° 11'.89 E
23° 46'.79 S 151° 11'.90 E
23° 46'.82 S 151° 11'.91 E
23° 46'.85 S 151° 11'.91 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 245**

**1394(T)/2010 AUSTRALIA - QUEENSLAND - Whitsundays - The Narrows - Buoy off station**

Maritime Safety Queensland Notice 1042(T)/2010 (AA508738)

The port lateral buoy (20° 04'.34 S 148° 54'.17 E) is off station.

**Chart temporarily affected - Aus 254**

**1395(T)/2010 AUSTRALIA - QUEENSLAND - Cape Cleveland - Scientific instrument**

*Former Notice* - 134(T)/2010 is cancelled

Maritime Safety Queensland Notice 1061(T)/2010 (AA508933)

A special light buoy, *Fl(5)Y.20s*, exists in position 19° 09'.58 S 147° 03'.46 E.

Mariners are not to use this buoy as a mooring.

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

**50(T)/2011 AUSTRALIA - QUEENSLAND - Gold Coast Seaway - Shoaling**

*Former Notice* - 836(T)/2009 is cancelled

Maritime Safety Queensland Notice 1102(T)/2010 (AA511200)

Available depths as at 15 December 2010:

	<i>Metres</i>
Centre line leads (255°)	5.3
Southern approach leads (291°)	5.7

Shoal areas, with a least depth of 3.9m, exist north of the centre line leads, approximately 770m north east of the seaway south wall.

Mariners are advised to navigate with caution in the area.

#### **Chart temporarily affected – Aus 230**

##### **51(T)/2011 AUSTRALIA - QUEENSLAND - Gold Coast Seaway - Shoaling**

*Former Notice - 837(T)/2009 is cancelled*

Maritime Safety Queensland Notice 1101(T)/2010 (AA511199)

Shoaling, with a least depth of 2.6m, exists in the North Channel between 27° 55'.86 S 153° 25'.30 E and 27° 55'.66 S 153° 25'.09 E.

Deeper water to 3.5m is found on the eastern side of the channel centre line.

Shoaling, with a least depth of 3.6m, exists in the South Channel between 27° 56'.20 S 153° 25'.49 E and 27° 56'.11 S 153° 26'.01 E.

Deeper water to 4.5m is found to the west of the channels centre line.

Mariners are advised to navigate with caution in the area.

#### **Chart temporarily affected – Aus 230**

##### **55(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Mooring buoys**

Maritime Safety Queensland Notice 37(T)/2011 (AA512483)

Unlit mooring buoys exist in positions:

27° 20'.80 S 153° 07'.11 E

27° 20'.73 S 153° 07'.11 E

27° 20'.66 S 153° 07'.12 E

27° 24'.07 S 153° 09'.61 E

27° 24'.06 S 153° 09'.65 E

#### **Chart temporarily affected – Aus 236 – Aus 237**

##### **60(T)/2011 AUSTRALIA - QUEENSLAND - Fitzroy River - Light buoys off station**

Maritime Safety Queensland Notice 1089(T)/2010 (AA511745)

Nav aids in the Fitzroy River (23° 31'.0 S 150° 50'.0 E) may be off station due to flooding.

Mariners are advised to navigate with caution in the area.

#### **Chart temporarily affected – Aus 247 – Aus 819**

##### **62(P)/2011 AUSTRALIA - QUEENSLAND - Airlie Beach - Muddy Bay - Light beacons established**

*Date - On or about 14 January 2011*

Maritime Safety Queensland Notice 1109/2010 (AA511360)

Light beacons exist as follows:

<i>Positions</i>	<i>Remarks</i>
20° 16'.06 S 148° 43'.63E	special light beacon with topmark, <i>Fl.Y.2.5s</i> ,
20° 16'.17 S 148° 43'.68E	light beacon with starboard lateral topmark, <i>Fl.R.2.5s</i> ,
20° 16'.16 S 148° 43'.64E	light beacon with starboard lateral topmark, <i>Fl.G.2.5s</i> ,
20° 16'.27 S 148° 43'.66E	light beacon with port lateral topmark, <i>Fl.R.2.5s</i> ,
20° 16'.22 S 148° 43'.62E	special light beacon with topmark, <i>Fl.Y.2.5s</i> ,
20° 16'.32 S 148° 43'.66E	light beacon with port lateral topmark, <i>Fl.R.2.5s</i> ,
20° 16'.32 S 148° 43'.60E	light beacon with starboard lateral topmark, <i>Fl.G.2.5s</i> ,
20° 16'.40 S 148° 43'.60E	light beacon with port lateral topmark, <i>Fl.R.2.5s</i> .

*Note:* a block update will be applied in due course on receipt of survey data.

#### **Chart which will be affected – Aus 252 – Aus 253 – Aus 268**

**67(T)/2011 AUSTRALIA - QUEENSLAND - Weipa - Depth information**

*Former Notice - 391(T)/2010 is cancelled*

Maritime Safety Queensland Notice 18(T)/2011 (AA511659)

Available depths as at 6 January 2011:

	<i>Metres</i>
Weipa Approaches	11.1
South Channel	11.1
* Departure Channel	11.1
Cora Bank South Channel	7.3
Humbug Point Approaches	8.6
Humbug Point Berth	9.5
Evans Landing	9.6
Lorim Point East	12.3
Lorim Point West	12.3

\* Indicates new or revised entry

**Chart temporarily affected – Aus 4**

**105(T)/2011 AUSTRALIA - QUEENSLAND - Point Danger to Point Lookout - Scientific instruments**

*Former Notice - 848(T)/2010 is cancelled*

Maritime Safety Queensland Notice 53(T)/2011 (AA514094)

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

28° 10'.85 S 153° 34'.56 E

27° 58'.01 S 153° 26'.52 E

27° 29'.49 S 153° 37'.84 E.

Mariners are not to use these buoys as moorings.

**Chart temporarily affected – Aus 230 – Aus 813 – Aus 814**

**108(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Town Reach - Light buoys established**

Maritime Safety Queensland Notice 80(T)/2011, 82(T)/2011 (AA514568, AA514569)

Obstructions marked by special light buoys, *Fl.Y.2-5s*, exist in the following positions;

27° 27'.94 S 153° 02'.00 E

27° 27'.84 S 153° 02'.11 E

27° 28'.49 S 153° 02'.51 E.

**Chart temporarily affected – Aus 238**

**110(T)/2011 AUSTRALIA - QUEENSLAND - Arkwright Point - Scientific instrument**

*Former Notice - 505(T)/2010 is cancelled*

Maritime Safety Queensland Notice 53(T)/2011 (AA514094)

A special light buoy, *Fl(5)Y.20s*, exists in position 26° 33'.81 S 153° 10'.96 E (WGS84 datum).

Mariners are not to use the buoy as a mooring.

**Chart temporarily affected – Aus 365**

**113(T)/2011 AUSTRALIA - QUEENSLAND - Lisa Jane Shoals - Scientific instrument**

*Former Notice - 613(T)/2010 is cancelled*

Maritime Safety Queensland Notice 53(T)/2011 (AA514094)

A special light buoy, *Fl(5)Y.20s*, exists in position 23° 18'.36 S 151° 04'.32 E.

Mariners are not to use this buoy as a mooring.

**Chart temporarily affected – Aus 247 – Aus 819 – Aus 820**

**117(T)/2011 AUSTRALIA - QUEENSLAND - Karumba - Norman River - Light buoy withdrawn**

Maritime Safety Queensland Notice 38(T)/2011 (AA514017)

The special light buoy, *Fl.Y.4s* (17° 29'.51 S 140° 49'.67 E), has been temporarily withdrawn.

**Chart temporarily affected – Aus 6**

**160(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Hamilton Reach to South Brisbane Reach - Obstructions**

*Former Notice - 54(T)/2011 is cancelled*

Maritime Safety Queensland Notice 101(T)/2011 (AA515727)

Navigational hazards and underwater obstructions exist in the area upstream of position 27° 26'.5 S 153° 03'.7 E

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 238**

**161(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Bramble Bay - Scientific instrument**

Maritime Safety Queensland Notice 130(T)/2011 (AA516947)

A scientific instrument marked by a special light buoy, *Fl. Y.4s*, exists in position 27° 18'.15 S 153° 06'.17 E.

**Chart temporarily affected - Aus 236**

**162(T)/2011 AUSTRALIA - QUEENSLAND - Great Sandy Strait - Middle Bank - Scientific instrument**

*Date - Until 30 June 2011*

Maritime Safety Queensland Notice 124(T)/2011 (AA516948)

A scientific instrument marked by a special light buoy, *Fl. Y.3s*, exists in position 25° 14'.74 S 152° 54'.86 E.

**Chart temporarily affected - Aus 241**

**163(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone - Fishermans Landing - Harbour works**

*Date - Until 30 September 2011*

Maritime Safety Queensland Notice 109(T)/2011 (AA516332)

Harbour works are in progress for the construction of a rock wall from point (23° 47'.15 S 151° 10'.16 E) in a ENE direction for 8000 metres. *F. Y* lights will be established every 100 metres.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 244 - Aus 245 - Aus 819**

**164(T)/2011 AUSTRALIA - QUEENSLAND - Gloucester Passage - Light buoy off station**

Maritime Safety Queensland Notice 96(T)/2011 (AA515724)

The light buoy, *Fl.R.2-5s* (20° 03'.3 S 148° 28'.2 E), is off station

**Chart temporarily affected - Aus 268**

**165(T)/2011 AUSTRALIA - QUEENSLAND - Gloucester Passage - Light beacon damaged**

Maritime Safety Queensland Notice 97(T)/2011 (AA515728)

The light beacon, *Q(9) 15s* (20° 03'.5 S 148° 26'.6 E), has been damaged.

**Chart temporarily affected - Aus 268**

**169(T)/2011 AUSTRALIA - QUEENSLAND - Oyster Point - Exclusion zone**

Maritime Safety Queensland Notice 117(T)/2011 (AA516626)

An exclusion zone exists in Port Hinchinbrook Marina and is closed to all marine traffic until further notice.

**Chart temporarily affected - Aus 258**

**170(T)/2011 AUSTRALIA - QUEENSLAND - Clump Point - Light beacon unlit**

Maritime Safety Queensland Notice 127(T)/2011 (AA516886)

The light beacon (17° 51'.20 S 146° 06'.97 E) is unlit.

**Chart temporarily affected - Aus 258**

**203(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Petrie Bight - Harbour works**

*Date - Until 31 August 2011*

Maritime Safety Queensland Notices 136/2011, 165/2011 (AA517081, AA518322)

Remediation works on Howard Smith Wharves (27° 27'.75 S 153° 02'.13 E) are in progress.

The barge has deployed three anchors, marked by special light buoys. A support vessel is on site and will monitor VHF Ch 13.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 238**

**204(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Deception Bay - Scientific instruments**

*Date - Until 31 August 2011*

Maritime Safety Queensland Notice 150(T)/2011 (AA517388)

Special light buoys, *Fl. Y. 4s*, exist in positions (WGS84 datum):

27° 05'.28 S 153° 09'.13 E

27° 05'.45 S 153° 08'.57 E

27° 05'.64 S 153° 08'.69 E

27° 05'.53 S 153° 09'.12 E.

**Chart temporarily affected - Aus 236**

**206(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone - South Channel - Scientific instrument**

*Former Notice - 673(T)/2010 is cancelled*

Maritime Safety Queensland Notice 186(T)/2011 (AA518650)

A special light buoy, *Fl(5)Y. 20s*, exists in position 23° 53'.78 S 151° 30'.22 E.

Mariners are not to use this buoy as a mooring.

**Chart temporarily affected - Aus 246**

**209(T)/2011 AUSTRALIA - QUEENSLAND - Port Alma - Depth information**

*Former Notice - 1019(T)/2009 is cancelled*

Maritime Safety Queensland Notice 182(T)/2011 (AA518652)

Available depths as at 23 February 2011:

<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**

**212(T)/2011 AUSTRALIA - QUEENSLAND - Bird Island to Groper Point - Nav aids**

*Former Notice - 1132(T)/2010 is cancelled*

Maritime Safety Queensland Notices 254(T)/2010, 894(T)/2010, 147(T)/2011 (AA461978, AA498765, AA517390)

The south cardinal light beacon (20° 05'.76 S 148° 52'.59 E) has been destroyed; a south cardinal light buoy, *Q(6)+LFl. 15s*, exists in position 20° 05'.79 S 148° 52'.63 E.

The light beacon, *Fl. G. 4s* (20° 04'.25 S 148° 53'.45 E), has been damaged.

The light beacon, *Fl. G. 2.5s* (20° 04'.33 S 148° 53'.77 E), has been damaged.

The light buoy, *Fl. G. 6s* (20° 03'.86 S 148° 54'.23 E), is off station.

**Chart temporarily affected - Aus 252 - Aus 254 - Aus 825**

**217(T)/2011 AUSTRALIA - QUEENSLAND - Lucinda - Dungeness - Light buoy off station**

Maritime Safety Queensland Notice 170(T)/2011 (AA518357)

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

**Chart temporarily affected - Aus 267**

**218(T)/2011 AUSTRALIA - QUEENSLAND - Hinchinbrook Channel - Conn Creek - Exclusion zone**

Maritime Safety Queensland Notice 137(T)/2011 (AA517078)

Underwater obstructions exist in Conn Creek. An exclusion zone exists within an area bounded by 18° 22'.0 S to 18° 24'.5 S and 146° 07'.7 E to 146° 08'.5 E.

**Chart temporarily affected - Aus 259**

**219(T)/2011 AUSTRALIA - QUEENSLAND - Hinchinbrook Island - Hecate Point - Light beacon destroyed**

Maritime Safety Queensland Notice 171(T)/2011 (AA518359)

The light beacon, *Q.Y* (18° 13'.87 S 146° 04'.69 E), has been destroyed; a special light buoy, *Q.Y*, exists in situ.

**Chart temporarily affected - Aus 828**

**221(T)/2011 AUSTRALIA - QUEENSLAND - South Barnard Islands - Light buoys off station**

Maritime Safety Queensland Notice 143(T)/2011 (AA517194)

The special light buoys, *Fl.Y.2.5s* (17° 45'.40 S 146° 08'.93 E and 17° 45'.73 S 146° 09'.19 E), are off station.

**Chart temporarily affected - Aus 258 - Aus 829**

**222(T)/2011 AUSTRALIA - QUEENSLAND - Cairns - Trinity Inlet - Wreck**

Maritime Safety Queensland Notice 146(T)/2011 (AA517387)

A dangerous wreck exists in position 16° 55'.40 S 145° 47'.18 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 263**

**223(T)/2011 AUSTRALIA - QUEENSLAND - Dugong Island - Wreck**

Maritime Safety Queensland Notice 164(T)/2011 (AA518402)

A wreck exists in position 10° 31'.31 S 143° 13'.97 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 376 - Aus 837 - Aus 839**

**261(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Ship to ship transfer**

*Former Notice - 1321(T)/2010 is cancelled*

*Date - Until 30 April 2011*

Maritime Safety Queensland Notice 196(T)/2011 (AA520596)

Ship to ship transfer of LPG will be conducted at STS1 anchorage (27° 17'.25 S 153° 16'.56 E). An exclusion zone (1850 metres radius) exists around transfer operations.

**Chart temporarily affected – Aus 236**

**262(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Mud Island - Wreck**

Maritime Safety Queensland Notice 215(T)/2011 (AA520696)

A wreck exists in position 27° 21'.18 S 153° 13'.22 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 236**



**263(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Dredging operations**

*Date - Until 14 June 2011*

Maritime Safety Queensland Notice 218(T)/2011 (AA520914)

The dredge *Brisbane* is conducting dredging operations in the Port of Brisbane from the entrance beacons (27° 18'.58 S 153° 12'.48 E) to the upstream end of Hamilton Reach (27° 26'.45 S 153° 03'.70 E) and in the bay channels.

Spoil will be deposited in either Mud Island spoil ground (27° 20'.0 S 153° 13'.22 E) or pumped to Fisherman Island reclamation area (27° 21'.00 S 153° 11'.61 E).

The dredge will monitor VHF Ch 12.

Mariners are advised to navigate with caution in the area.

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

**264(T)/2011 AUSTRALIA - QUEENSLAND - Bundaberg - Depth information**

*Former Notice - 968(T)/2010 is cancelled*

Maritime Safety Queensland Notice 209(T)/2011 (AA520543)

Available depths as at 4 March 2011:

	<i>Metres</i>
* Sea Reach	7.0
* Middle Reach	7.0
* Inner Reach	7.0
* Swing Basin	5.0
* Oil Berth	8.5
* BST Berth	9.0
* Deep draught departure channel	7.0
* Indicates revised entry.	

**Chart temporarily affected – Aus 242 – Aus 243**

**265(T)/2011 AUSTRALIA - QUEENSLAND - Bundaberg - Burnett River - Nav aids off station, damaged and destroyed; light buoys established; depths unreliable**

*Former Notices - 561(T)/2010, 57(T)/2011 are cancelled*

Maritime Safety Queensland Notice 208(T)/2011 (AA520626)

Port lateral light buoys, *Fl.R.4s*, exist in situ for light beacons as follows:

<i>No</i>	<i>Position</i>
16	24° 45'.36 S 152° 23'.77 E
18	24° 45'.53 S 152° 23'.28 E
20	24° 45'.76 S 152° 23'.00 E
22	24° 45'.84 S 152° 22'.94 E.

Starboard lateral light buoys, *Fl.G.4*, exist in situ for light beacons as follows:

<i>No</i>	<i>Position</i>
19	24° 45'.61 S 152° 23'.05 E
23	24° 45'.82 S 152° 22'.83 E.

No27, 29 and 31 special light buoys have been temporarily withdrawn. Special light buoys, *Fl.Y.2.5s*, exist in the following positions:

24° 46'.36 S 152° 22'.85 E
24° 46'.25 S 152° 22'.81 E
24° 46'.15 S 152° 22'.77 E
24° 46'.12 S 152° 22'.73 E
24° 46'.04 S 152° 22'.74 E
24° 45'.97 S 152° 22'.76 E.

Nav aids upstream of the Sugar Berth between Town Reach and Long Reach remain off station, damaged or destroyed.

Depths may vary to those charted. Mariners are advised to avoid navigating in the Burnett River until further notice.

**Chart temporarily affected – Aus 242**

**266(T)/2011 AUSTRALIA - QUEENSLAND - North Reef - Light range reduced**

*Date - Until 4 May 2011*

Australian Maritime Safety Authority (AA520421)

The light (23° 11'.10 S 151° 54'.18 E) has been temporarily altered to *10M*.

**Chart temporarily affected – Aus 367 – Aus 819 – Aus 820 – AX 0820E**

**267(T)/2011 AUSTRALIA - QUEENSLAND - Bowen - Light buoy off station**

*Former Notice* - 213(T)/2011 is cancelled

Maritime Safety Queensland Notice 217(T)/2011 (AA520692)

The light buoy, *Fl.R.4s* (20° 02'.39 S 148° 15'.70 E), is off station

**Chart temporarily affected – Aus 268**

**269(T)/2011 AUSTRALIA - QUEENSLAND - Lucinda - Light buoys off station**

*Former Notice* - 216(T)/2011 is cancelled

Maritime Safety Queensland Notices 169(T), 172(T)/2011, 216(T)/2011 (AA518365, AA518358, AA520693)

The following light buoys are off station:

No19 safe water light buoy, *Iso.2s* (18° 30'.62 S 146° 23'.22 E).

No22 light buoy, *Q.R* (18° 31'.25 S 146° 19'.75 E).

No15 light buoy, *Q.G* (18° 30'.19 S 146° 18'.73 E).

**Chart temporarily affected – Aus 259 – Aus 267 – Aus 828**

**270(T)/2011 AUSTRALIA - QUEENSLAND - Mourilyan - Light beacon damaged**

*Former Notice* - 220(T)/2011 is cancelled

Maritime Safety Queensland Notices 183/2011, 184/2011 (AA518630, AA518631)

No1 light beacon, *Fl.G.2.5s* (17° 35'.88 S 146° 08'.05 E), has been damaged.

**Chart temporarily affected – Aus 258 – Aus 829**

**272(T)/2011 AUSTRALIA - QUEENSLAND - Cairns - Richters Creek - Dredging operations**

Maritime Safety Queensland Notice 223(T)/2011 (AA521053)

The dredge *Mary K* is conducting dredging operations in Richters Creek (16° 49'.45 S 145° 43'.95 E).

The dredge and floating pipeline will be lit with flashing yellow lights.

The dredge will monitor VHF Ch 16.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 262 – AX 63262**

**312(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - North Banks - Scientific instrument**

*Former Notice* - 851(T)/2010 is cancelled

Maritime Safety Queensland Notice 251(T)/2011 (AA523097)

A special light buoy, *Fl(5)Y.20s*, exists in position 26° 53'.93 S 153° 16'.89 E.

Mariners are not to use the buoy as a mooring.

**Chart temporarily affected - Aus 235**

**313(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Russell Island - Harbour works**

*Date* - Until 19 May 2011

Maritime Safety Queensland Notice 246(T)/2011 (AA522295)

Harbour works associated with the construction of a boat ramp in position 27° 38'.76 S 153° 22'.68 E are in progress.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 236**

**316(T)/2011 AUSTRALIA - QUEENSLAND - Hay Point - Dredging operations**

*Date* - Until 30 September 2011

Maritime Safety Queensland Notice 269(T)/2011 (AA523955)

*SEP BHD Supply* and support vessels *MT Kythira* and *Lady Christine* are conducting drilling and blasting operations in the area

to the south of DBCT berth No1 (21° 15'.00 S 149° 18'.36 E).

The dredges *Tarvos* and *Simson* are conducting dredging operations.

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

Mariners are advised to navigate with caution in the area.

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

**317(T)/2011 AUSTRALIA - QUEENSLAND - Whitehaven Bay - Lagoon Rock - Light beacon destroyed**

Maritime Safety Queensland Notice 240(T)/2011 (AA522334)

The west cardinal light beacon, Q(9)15s (20° 16'.03 S 149° 02'.48 E), has been destroyed.

**Chart temporarily affected - Aus 252 - Aus 253 - Aus 824 - Aus 825**

**319(T)/2011 AUSTRALIA - QUEENSLAND - Rollingstone Creek - Light buoy off station**

Maritime Safety Queensland Notice 238(T)/2011 (AA522338)

The isolated danger light buoy, /so.2s (19° 00'.09 S 146° 24'.51 E), is off station

**Chart temporarily affected - Aus 827**

**320(T)/2011 AUSTRALIA - QUEENSLAND - Lucinda - Exclusion zone**

Former Notice - 268(T)/2011 is cancelled

Maritime Safety Queensland Notice 142(T)/2011 (AA517197)

A 100m exclusion zone exists around the Bulk Sugar Terminal (18° 31'.25 S 146° 23'.17 E); including the mooring dolphins and either side of the trestle leading to the wharf from the mainland.

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

**321(T)/2011 AUSTRALIA - QUEENSLAND - Mourilyan - Depth information**

Former Notice - 1396(T)/2010 is cancelled

Maritime Safety Queensland Notice 229(T)/2011 (AA521438)

Available depths as at 11 March 2011:

*Metres*

Departure Channel 9.8

\* Inner Channel 9.5

\* Swing Basin 6.5

\* Sugar Berth 9.9

\* Indicates revised entry.

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

**Chart temporarily affected - Aus 258**

**368(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Boat Passage - Dredging operations**

Date - Until 31 May 2011

Maritime Safety Queensland Notice 272(T)/2011 (AA525802)

The dredge *Ken Harvey* is conducting dredging operations in the vicinity of 27° 24'.0 S 153° 09'.6 E.

The dredge has deployed anchors marked by light buoys.

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

Mariners are advised to navigate with caution in the area.

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

**369(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Shafston Reach - Harbour works**

Maritime Safety Queensland Notices 291(T)/2011, 299(T)/2011 (AA525636, AA525940)

Harbour works are in progress between positions 27° 27'.87 S 153° 02'.31 E and 27° 28'.25 S 153° 02'.43 E.

An exclusion zone marked by special light buoys, *Fl. Y.3s*, exists in an area bounded by the following positions:

27° 28'.26 S 153° 02'.42 E  
27° 28'.05 S 153° 02'.38 E  
27° 27'.87 S 153° 02'.29 E.

All vessels associated with the works will display appropriate lights and shapes and will monitor VHF Ch 13.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 238**

**370(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Cabbage Tree Head - Light beacon destroyed**

Maritime Safety Queensland Notice 271(T)/2011 (AA525803)

The light beacon, *Fl.R.4s* (27° 19'.59 S 153° 05'.70 E), has been destroyed; a port lateral light buoy, *Fl.R.3s*, exists in situ.

**Chart temporarily affected - Aus 236**

**371(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Cabbage Tree Head - Shoaling; dredging operations**

*Former Notice* - 803(T)/2010 is cancelled

*Date* - Until 21 April 2011

Maritime Safety Queensland Notice 298(T)/2011 (AA526022)

Shoaling exists in the entrance channel to Cabbage Tree Creek (27° 19'.69 S 153° 05'.50 E).

The dredge *Faucon* is conducting dredging operations in the area and will monitor VHF Ch 12. Spoil will be deposited in the Mud Island spoil ground (27° 20'.0 S 153° 13'.22 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 236**

**372(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - Scarborough - Shoaling**

*Former Notice* - 1252(T)/2010 is cancelled

Maritime Safety Queensland Notice 303(T)/2011 (AA526146)

Shoaling with a least depth of 2.0m exists within the entrance channel, 75m north of beacon No4 in the vicinity of 27° 11'.25 S 153° 06'.17 E. A least depth of 1.6m exists 10m from the toeline between beacon No6 and No8.

Shoaling with a least depth of 1.5m exists within the internal western channel, close to the marina berths in the vicinity of 27° 11'.64 S 153° 06'.28 E.

Shoaling with a least depth of 0.7m exists within the internal channel, approaching the eastern boat ramp.

The depth at the toe of the eastern boat ramp is dry and a least depth of 0.5m exists at the toe of the western boat ramp.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 236**

**373(T)/2011 AUSTRALIA - QUEENSLAND - Moreton Bay - North Banks - Scientific instruments**

*Former Notices* - 128(T)/2010, 312(T)/2011 are cancelled

Maritime Safety Queensland Notice 295(T)/2011 (AA525823)

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

26° 53'.93 S 153° 16'.89 E  
27° 00'.93 S 153° 15'.38 E.

Mariners are not to use these buoys as moorings.

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

**374(T)/2011 AUSTRALIA - QUEENSLAND - Hay Point to Bailey Islet - Scientific instruments**

*Former Notice* - 210(T)/2011 is cancelled

Maritime Safety Queensland Notice 295(T)/2011 (AA525823)

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

21° 16'.28 S 149° 18'.57 E  
21° 02'.38 S 149° 32'.75 E.

Mariners are not to use these buoys as moorings.

**Chart temporarily affected - Aus 249 - Aus 250 - Aus 251 - AX 0249E**

**376(T)/2011 AUSTRALIA - QUEENSLAND - Townsville - Nav aids unreliable**

*Former Notice* - 214(T)/2011 is cancelled

Maritime Safety Queensland Notices 114(T)/2011, 116(T)/2011, 144(T)/2011, 285(T)/2011 (AA516622, AA516335, AA517199, AA526002, AA525999)

The following nav aids have been destroyed:

<i>Beacon</i>	<i>Position</i>	<i>Remarks</i>
North cardinal light beacon	19° 07'.70 S 146° 54'.38 E	
S2 light beacon	19° 08'.30 S 146° 53'.45 E	
S4 light beacon	19° 08'.85 S 146° 53'.22 E	a port lateral light buoy, Q.R, exists in situ
Sea Channel rear lead	19° 12'.25 S 146° 51'.74 E	an isolated danger light buoy, Iso.2s & Fl(2)6s, exists in situ.

The Sea Channel and Platypus channel leads are non operational.

Many other nav aids within the port have been reported as unlit or off station.

Mariners are advised to navigate with caution in the area.

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

**377(T)/2011 AUSTRALIA - QUEENSLAND - Halifax Bay - Bay Rock - Light unlit**

Maritime Safety Queensland Notice 297(T)/2011 (AA526020)

The light, Fl(2)8s (19° 07'.02 S 146° 45'.23 E), is unlit.

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

**378(T)/2011 AUSTRALIA - QUEENSLAND - Cairns - Light beacon damaged**

Maritime Safety Queensland Notice 277(T)/2011 (AA525895)

C11 light beacon, Fl.G.4s (16° 52'.14 S 145° 48'.53 E), has been damaged.

**Chart temporarily affected - Aus 262 - AX 63262**

**380(T)/2011 AUSTRALIA - QUEENSLAND - Red Island Point - Light unlit**

Maritime Safety Queensland Notice 301(T)/2011 (AA526018)

The light, Iso.2s 8M (10° 50'.35 S 142° 22'.83 E (WGS84 datum)), is unlit.

**Chart temporarily affected - Aus 292 - Aus 294 - Aus 839**

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

*Former Notice* - 367(T)/2011 is cancelled

Brisbane Port Corporation (AA526055), Maritime Safety Queensland Notice 324(T)/2011 (AA526370)

Available depths and under keel clearances (UKC) at 8 April 2011:

<i>Berth</i>	<i>Metres</i>	<i>Remarks</i>
Fisherman Islands No10	13.1	
Fisherman Islands No9	13.0	
Fisherman Islands No8	13.0	
Fisherman Islands No7	13.1	
Fisherman Islands No6	12.9	
Fisherman Islands No5	12.8	
Fisherman Islands No4	12.6	
Fisherman Islands No3	12.2	
Fisherman Islands No2	13.0	
Fisherman Islands No1	12.6	
Fisherman Islands Grain and Woodchip	12.9	
Caltex Fisherman Islands	14.3	
Fisherman Islands Coal	13.0	
Fisherman Islands General Purpose	10.8	
BP Luggage Point	13.2	
Caltex Products	9.9	
Cement Australia Co Wharf	9.4	

BP Products	10.8	
Shell	11.0	
Pacific Terminals	10.1	
Incitec North	10.0	
Incitec South	9.9	
Pinkenba 1	10.3	
Pinkenba 2	10.3	
Riverside Marina	-	
Sugar Terminal	9.8	
Cairncross Fitting Out Wharf	6.5	
Cairncross Breasting Wharf	5.6	
Brisbane Naval Wharf	-	
Maritime No3	5.6	(not maintained)
Maritime No2	8.8	
Maritime No1	9.0	
Hamilton No4	9.9	
Hamilton No1	8.6	
Brisbane Cruise Ship Terminal	9.0	

	Metres	UKC/Remarks
<i>Moreton Bay :</i>		
North East Channel	5.5	1.5
North West Channel	15.0	2.3 (280m width)
North West Bypass Channel	9.2	1.6
Spitfire Channel	15.0	1.5 (600m width)
East Knoll Bypass Channel	6.9	1.4
East Channel	15.0	1.5 (300m width from western side)
Main Channel (M8 - M9)	10.0	1.8
Entrance Channel (E5 - EBCN)	14.7	1.5

<i>Brisbane River :</i>		
Entrance Beacons and Bar Cutting	13.1	1.46
Fisherman Islands Swing Basin	13.0	1.3
Pelican Banks Reach to Hamilton Reach	8.9	0.6 / 0.9 (draft/tide)
* Cement Australia Swing Basin	8.9	0.6 / 0.9 (draft/tide)
Pinkenba Swing Basin	8.9	0.6 / 0.9 (draft/tide)
* Hamilton Swing Basin	8.1	0.6 / 0.9 (draft/tide)
* Indicates new or revised entry.		

#### Chart temporarily affected - Aus 235 - Aus 236 - Aus 237 - Aus 238

#### 414(T)/2011 AUSTRALIA - QUEENSLAND - Brisbane River - Lytton Reach - Harbour works

*Date* - Until 16 May 2011

Maritime Safety Queensland Notice 333(T)/2011 (AA526872)

The barge *Maeve Anne* is conducting piling operations at the BP Products Wharf (27° 25'.29 S 153° 08'.09 E).

The barge has deployed anchors extending approximately 60m into the channel and will monitor VHF Ch 12.

Mariners are advised to navigate with caution in the area.

#### Chart temporarily affected - Aus 237 - Aus 238

#### 415(T)/2011 AUSTRALIA - QUEENSLAND - Boyne River - Shoaling

*Former Notice* - 58(T)/2011 is cancelled

Maritime Safety Queensland Notice 342(T)/2011 (AA527129)

Shoaling exists within the entrance and approach channel to Boyne River (23° 56'.5 S 151° 21'.3 E).

No8 port beacon (23° 56'.32 S 151° 21'.31 E) has been temporarily altered to a starboard beacon and renamed No7.

A special light buoy, *Fl. Y.2-5s*, exists in position 23° 55'.61 S 151° 22'.08 E.

Mariners are advised to navigate with caution in the area.

#### Chart temporarily affected - Aus 246

#### 416(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone - Depth information

*Former Notice* - 1389(T)/2010 is cancelled

Maritime Safety Queensland Notice 328(T)/2011 (AA526925)

Available depths as at 11 April 2011:

	<i>Metres</i>
Sea Channels:	
Wild Cattle Cutting	16.1
Boyne Island Cutting	16.3
Boyne Island Extension Channel	9.0
* Golding Cutting	15.9
South Bypass Channel	7.4
Gatcombe Channel	16.3
Gatcombe Bypass Channel	13.4
Inner Channels:	
Auckland Channel	15.3
Auckland Bypass Channel	6.8
Clinton Channel	16.0
Clinton Bypass Channel	10.6
Clinton Swing Basin	10.1
Targinie Channel	10.2
Targinie Swing Basin East	10.9
Targinie Swing Basin West	8.6
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**

#### **417(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone - Bushy Islet - Scientific instrument**

Maritime Safety Queensland Notice 348(T)/2011 (AA527653)

A special light buoy, *Fl. Y.3s*, exists in position 23° 50'.78 S 151° 20'.49 E.

#### **Chart temporarily affected - Aus 245**

#### **418(T)/2011 AUSTRALIA - QUEENSLAND - Gladstone - Anchorage area**

*Former Notice - 315(T)/2011 is cancelled*

Maritime Safety Queensland Notice 318(T)/2011 (AA526389)

A small craft anchorage exists within an area bounded by the following positions:

23° 45'.0 S 151° 09'.8 E  
23° 45'.0 S 151° 10'.0 E  
23° 46'.4 S 151° 10'.4 E  
23° 46'.4 S 151° 10'.0 E.

Mooring buoys exist within the area.

Permission must be obtained from Gladstone Port Corporation prior to anchoring or mooring within the area.

Mariners are advised to navigate with caution in the area.

#### **Chart temporarily affected - Aus 245**

#### **419(T)/2011 AUSTRALIA - QUEENSLAND - Emu Point - Lights altered**

Maritime Safety Queensland Notice 327(T)/2011 (AA528237)

The leading lights (23° 15'.00 S 150° 49'.43 E) have been temporarily altered to *Iso. Y.2s* & *Q. Y.*

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

**420(T)/2011 AUSTRALIA - QUEENSLAND - Rosslyn Bay - Harbour works**

*Date - Until 24 May 2011*

Maritime Safety Queensland Notice 314(T)/2011 (AA526360)

Harbour works associated with the remediation of boat ramps in the vicinity of position 23° 09'.81 S 150° 47'.33 E are in progress.

**Chart temporarily affected - Aus 247**

**421(T)/2011 AUSTRALIA - QUEENSLAND - Shoalwater Bay - Live firing**

*Date - Until 14 May 2011*

Maritime Safety Queensland Notice 267(T)/2011 (AA523957)

Live firing activities will be conducted in the Shoalwater Bay training area during the period 2 to 13 May 2011.

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**

**422(T)/2011 AUSTRALIA - QUEENSLAND - Whitsundays - Spitfire Rock - Light beacon destroyed**

*Former Notice - 1190(T)/2010 is cancelled*

Maritime Safety Queensland Notice 930(T)/2010, 345(T)/2011 (AA500617, AA527139)

The west cardinal light beacon (20° 28'.59 S 149° 01'.70 E) has been destroyed.

**Chart temporarily affected - Aus 252 - Aus 254 - Aus 824**

**423(T)/2011 AUSTRALIA - QUEENSLAND - Fitzalan Passage - Light buoy unlit**

*Former Notice - 318(T)/2011 is cancelled*

Maritime Safety Queensland Notice 334(T)/2011 (AA527148)

The special light buoy, *Fl.Y.2.5s* (20° 18'.77 S 148° 56'.05 E), is unlit.

**Chart temporarily affected - Aus 252 - Aus 253 - Aus 254**

**426(T)/2011 AUSTRALIA - QUEENSLAND - Townsville - Depth information**

*Former Notice - 167(T)/2011 is cancelled*

Maritime Safety Queensland Notice 350(T)/2011 (AA527647)

Available depths as at 18 April 2011:

	<i>Metres</i>	<i>Remarks</i>
Sea Channel	11.8	
* Platypus Channel	11.3	
Outer Harbour:		
* Arrival Channel	7.5	
* Departure Channel	10.5	
Inner Harbour:		
* Harbour	11.8	
Berths:		
* No 1	11.7	
* No 2	11.8	
No 3	11.9	
* No 4	10.4	
No 7	10.9	
* No 8	9.4	
* No 9	12.1	
* No 10	9.3	From 10m mark to seaward dolphin
	9.6	From Ro-Ro ramp to 10m mark
No 11	11.5	
* CB Marine	-	No declared depth
* Between No 7 and No 8	9.7	Seaward of zero mark at No 7
* Between No 9 and No 10	10.4	Seaward of zero mark at No 10
Ross River Channel	-	No declared depth
Ross Creek	-	No declared depth



\* Indicates revised entry.

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

**427(T)/2011 AUSTRALIA - QUEENSLAND - Hinchinbrook Channel - Light buoys off station**  
Maritime Safety Queensland Notices 319(T)/2011, 320(T)/2011 (AA526358, AA526361)

Light buoys No5 (18° 23'.23 S 146° 11'.78 E) and No10 (18° 24'.30 S 146° 11'.87 E) are off station.

**Chart temporarily affected - Aus 259**

**428(T)/2011 AUSTRALIA - QUEENSLAND - Gladys Inlet - Flying Fish Point - Light beacon unlit**  
Maritime Safety Queensland Notice 332(T)/2011 (AA527157)

The light beacon (17° 30'.37 S 146° 04'.68 E) is unlit.

**Chart temporarily affected - Aus 258 - Aus 829**

**430(T)/2011 AUSTRALIA - QUEENSLAND - Karumba - Light beacon unlit**  
Maritime Safety Queensland Notice 349(T)/2011 (AA528213)

No6 light beacon, *Fl.R.4s* (17° 26'.08 S 140° 44'.22 E), is unlit.

**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.**

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

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

Modex 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**

### **118(T)/2011 AUSTRALIA - NORTHERN TERRITORY - Darwin - East Arm Port - Drilling operations**

*Date* - Until 31 March 2011

Darwin Port Corporation Notice 1(T)/2011 (AA514583)

The drill rig *Sideson2* is conducting drilling operations in the vicinity of position 12° 29'.5 S 130° 53'.0 E.

The drill rig will display appropriate lights.

Updates on the position of the drill rig can be obtained by contacting Darwin Harbour on VHF Ch 10.

Mariners are advised to navigate with caution in the area.

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

### **120(T)/2011 AUSTRALIA - TIMOR SEA - Osborn Passage - Platform; mooring buoys**

*Former Notice* - 569(T)/2010 is cancelled

*Date* - Until 31 December 2011

PTTEP Australasia (AA513754)

The drill rig *Montara* exists in position 12° 40'.33 S 124° 32'.37 E, it is damaged and unlit. A guard boat, either MV *Queen of Peace* or MV *Business Class*, will remain in the vicinity.

Unlit mooring buoys exist in positions 12° 39'.66 S 124° 32'.44 E, 12° 40'.72 S 124° 32'.45 E and 12° 40'.11 S 124° 32'.45 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) – AX 0314F – AX 0319F**

**173(T)/2011 AUSTRALIA - NORTHERN TERRITORY - Darwin - Depth information**

Former Notice - 767(T)/2010 is cancelled

Darwin Port Corporation (AA516379)

Available depths as at 28 January 2011:

<i>Berths</i>	<i>Metres</i>
DLNG	13.1 (12.1 in Turning Basin)
LNG 1-2	10.8
* East Arm 0-100m	11.5
* East Arm 100-200m	12.4
* East Arm 200-300m	12.4
* East Arm 300-400m	12.6
* East Arm 400-500m	12.8
* East Arm 500-600m	13.4
East Arm 600-700m	11.8
* Bulk Solids Wharf	12.4
* Bulk Liquids Wharf	11.4
No 2 Fort Hill East	11.2
No 2 Fort Hill West	10.5
No 3 Stokes Hill East	4.7
No 3 Stokes Hill West	5.0
No 4 Stokes Hill East	1.9
No 4 Stokes Hill Middle	-0.2
No 4 Stokes Hill West	3.4
Fishermans Wharf East	2.1
Fishermans Wharf West	0.7
Perkins VBPS	-0.7

\*Indicates new or revised entry.

**Chart temporarily affected - Aus 24 - Aus 27 - Aus 28**

**324(T)/2011 AUSTRALIA - NORTHERN TERRITORY - Apsley Strait - Light buoys off station and unlit**

Department of Lands and Planning (AA523799)

Light buoys in Apsley Strait between positions 11° 51'.61 S 130° 35'.09 E and 11° 17'.03 S 130° 17'.90 E are off station and unlit.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 22 - Aus 23 - Aus 309 - Aus 722 - AX 0309F - AX 72309 - AX 72722**

**381(T)/2011 AUSTRALIA - NORTHERN TERRITORY - Darwin - Hudson Creek - Light beacon**

Former Notice - 273(T)/2011 is cancelled

Darwin Port Corporation Notice 20(T)/2011 (AA525757, AA525758)

Cancel this notice on receipt.

**Chart formerly affected - Aus 26 - Aus 28 - AX 72026**

## WESTERN AUSTRALIA

### 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.**

### 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**

### 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**

### 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**

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

Anchorage 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**

**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**

**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**

**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**

**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**

**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](http://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	Established on dangerous contour seaward of

995036002	Virtual	130 / 210 marker	E 18° 01'.22 S 122° 12'.48 E	Nab Rock. 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**

**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**

**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**

**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**

**337(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Esperance - Depth information**

*Former Notice* - 616(T)/2008 is cancelled

Esperance Ports Sea and Land (AA461996)

Available depths as of 23 March 2010:

<i>Location</i>	<i>Metres</i>
Berth No 1	13.2
Berth No 2	13.3
Berth No 3	18.2
Swing Basin	12.9/14.5
Entrance Channel	18.5

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 119 - AU5119P1**

**338(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Esperance - Light beacons destroyed**

*Former Notice* - 976(T)/2009 is cancelled

Esperance Ports Sea and Land (AA462502)

No 1 light beacon (33° 51'.87 S 121° 54'.39 E) and No 2 light beacon (33° 51'.98 S 121° 54'.45 E) have been destroyed; special light buoys, *Fl.Y.2s*, exist in situ.

**Chart temporarily affected - Aus 119 - AU434121 - AU5119P1**

**458(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Cape Preston - Harbour works**

*Date* - Until 30 November 2010

CITIC Pacific Mining Management Pty Ltd (AA466897 - AA466899, AA466956)

Works associated with the construction of a new breakwater are in progress in the area bounded by the following positions (WGS84 datum):

20° 50'.20 S 116° 12'.21 E  
20° 49'.09 S 116° 11'.67 E  
20° 49'.44 S 116° 11'.12 E  
20° 50'.37 S 116° 12'.10 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 327 - Aus 742 - Aus 743 - AU421116**

**524(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Mullaloo to Warnbro Sound - Scientific instruments**

*Former Notice* - 461(T)/2010 is cancelled

Department of Transport WA (AA465142)

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

31° 45'.85 S 115° 43'.29 E	31° 47'.37 S 115° 42'.39 E
31° 47'.89 S 115° 41'.75 E	31° 52'.11 S 115° 42'.81 E
31° 52'.52 S 115° 43'.46 E	31° 53'.14 S 115° 43'.78 E
31° 53'.58 S 115° 44'.25 E	31° 53'.88 S 115° 44'.90 E
31° 55'.73 S 115° 44'.85 E	31° 56'.33 S 115° 44'.84 E
31° 58'.67 S 115° 44'.79 E	31° 59'.26 S 115° 44'.65 E
31° 59'.76 S 115° 44'.59 E	32° 01'.39 S 115° 43'.78 E
32° 01'.58 S 115° 44'.62 E	32° 01'.45 S 115° 34'.29 E
32° 04'.79 S 115° 37'.42 E	32° 05'.69 S 115° 37'.54 E
32° 08'.65 S 115° 38'.57 E	32° 20'.97 S 115° 44'.00 E.

Mariners are not to use these buoys as moorings.

**Chart temporarily affected - Aus 112 - Aus 116 - Aus 117 - Aus 334 - Aus 754 - Aus 755 – AX 0334E – AX 0754E – AX 0755E – AX 63112 – AX 66002 – AX 70117 - AU432115 - AU433115**

**629(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Dampier Archipelago - Scientific instruments northwestwards**  
*Former Notice - 523(T)/2004 is cancelled*  
MetOcean Engineers (AA472066)

Scientific instruments exist as follows:

<i>Position (WGS84 datum)</i>	<i>Remarks</i>
19° 36'.38 S 116° 07'.53 E	lit buoy, <i>Fl(5)Y.20s</i>
19° 36'.51 S 116° 07'.63 E	5 poly floats

**Chart temporarily affected - Aus 327**

**631(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Scientific instruments northwestwards**  
*Date - Until 30 November 2010*  
MetOcean Engineers (AA472066)

Subsurface scientific instruments exist in the following positions (WGS84 datum):

20° 01'.36 S 115° 11'.34 E  
20° 02'.98 S 115° 16'.95 E  
20° 05'.68 S 115° 03'.00 E  
20° 06'.31 S 115° 04'.56 E  
20° 06'.62 S 115° 06'.62 E  
20° 06'.85 S 115° 06'.52 E  
20° 06'.96 S 115° 06'.48 E  
20° 07'.01 S 115° 06'.56 E  
20° 07'.12 S 115° 06'.82 E  
20° 07'.78 S 115° 08'.91 E  
20° 09'.23 S 115° 12'.70 E.

**Chart temporarily affected - Aus 328 - Aus 742 - AU421115**

**633(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Albany - Harbour works**  
*Date - Until 30 November 2010*  
Department of Transport WA (AA472609 - AA472612)

Works associated with the construction of the new marina are in progress (35° 01'.9 S 117° 53'.3 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 109 - AU5XX109**

**722(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Depth information**  
*Former Notice - 1080(T)/2009 is cancelled*  
Port Hedland Port Authority Notice 5/2010 (AA477996)

Available depths as at 31 March 2010:

<i>Berth</i>	<i>Metres</i>
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	17.5
BHP Billiton Finucane Island berth C	17.9
* BHP Billiton Finucane Island berth D	19.2
Anderson Point berth 1	19.1
* Anderson Point berth 2	19.7

\* Indicates revised entry.

**Chart temporarily affected - Aus 52 - Aus 54 - AU5XXX52**

**723(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Dredging operations**  
*Date - Until 31 March 2011*  
Port Hedland Port Authority Notices 2/2010, 9/2010 (AA478122, AA478125)



The dredges *Postnik Yakovlev* and *Leonardo Da Vinci* and barges *Le Sphinx* and *L'Etoile* are conducting dredging operations in a temporary restricted area bounded by the following positions:

20° 19'.27 S 118° 34'.91 E  
20° 19'.35 S 118° 34'.86 E  
20° 19'.88 S 118° 35'.15 E  
20° 19'.74 S 118° 35'.50 E.

The dredge *Leonardo Da Vinci* is connected to a floating pipeline which is attached to a riser in position 20° 19'.81 S 118° 35'.07 E. A submerged pipeline exists between the riser at 20° 20'.32 S 118° 35'.06 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 52 - Aus 53 - Aus 54 - AU5XXX52**

**773(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Parmelia Bank - Light beacon damaged**  
Fremantle Ports (AA480132)

No11 light beacon (32° 07'.79 S 115° 42'.12 E) has been damaged and is marked by a lit wreck buoy, *Fl. YBu.*

**Chart temporarily affected - Aus 117 – AX 70117 - AU433115**

**867(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instrument**

*Date* - Until 11 August 2011  
Department of Transport Notice 82/2010 (AA484721)

A scientific instrument marked by a special light buoy, *Fl(5)Y.20s*, exists in position 20° 41'.11 S 115° 21'.07 E (WGS84 datum).

**Chart temporarily affected - Aus 742**

**936(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Dampier - Shoaling**

*Former Notice* - 570(T)/2010 is cancelled  
Dampier Port Authority Notice 34/2010 (AA490752)

Shoaling, with least depth 3m, exists at the Mermaid Supply Base between the berths and the slip in the area with a declared depth of 4m (20° 37'.94 S 116° 45'.22 E (WGS84 datum)).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 59 - AU5XXX58**

**977(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Broome - Scientific instruments**

*Date* - Until 30 September 2011  
Broome Port Authority Notice 15/2010 (AA493353)

Scientific instruments marked by special light buoys, *Fl. Y*, exist in the vicinity of 18° 00'.05 S 122° 12'.92 E

**Chart temporarily affected - Aus 51**

**1087(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Delambre Island to Dixon Island - Drilling operations**

*Date* - Until 30 April 2011  
Department of Transport WA Notice 88/2010 (AA497020)

Drilling operations are in progress in the area adjacent to Dixon Island (20° 37'.5 S 117° 04'.0 E) extending to 20° 25'.0 S 117° 02'.0 E, northwest of Delambre Island.

The barge and support vessels will display appropriate lights and shapes.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 55 - Aus 57**

**1088(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Ant Point - Anchorage northeastwards**

Department of Transport WA Notice 89/2010 (AA497019)

An anchorage with a 300m radius swinging circle exists in position 20° 42'.2 S 115° 29'.8 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 62 - Aus 742**

**1090(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Exmouth Plateau to Onslow - Seismic survey**

*Former Notice* - 523(T)/2010 is cancelled

*Date* - Until 30 April 2011

Department of Transport WA Notice 53B/2010 (AA468756)

MV *Southern Supporter* and *Markab* are conducting a survey in the area bounded by the following positions (WGS84 datum):

21° 26'.13 S 114° 57'.85 E

19° 54'.15 S 112° 53'.85 E

19° 26'.41 S 113° 19'.08 E

20° 42'.10 S 115° 19'.25 E

21° 11'.01 S 115° 32'.00 E.

**Chart temporarily affected - Aus 64 - Aus 327 - Aus 328 - Aus 329 - Aus 742 - Aus 743 - Aus 744 - Aus 4723 - Aus 4725**

**1093(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Bessieres Island - FPSO off station northwestwards**

*Former Notice* - 1464(T)/2009 is cancelled

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 744 - Aus 4708 (INT 708) - Aus 4723 - Aus 4725 - AX 4708F**

**1096(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Garden Island - Scientific instrument**

*Date* - Until 31 October 2011

Department of Transport WA Notice 104/2010 (AA497021)

Special light buoy, *Fl(5)Y.20s*, exists in position 32° 14'.95 S 115° 39'.00 E

Mariners are not to use this buoy as a mooring.

**Chart temporarily affected - Aus 117 - Aus 754 - Aus 755 - AX 0754E - AX 0755E - AX 66002 - AX 70117**

**1142(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Irvine Island - Scientific instruments**

*Former Notice* - 768(T)/2010 is cancelled

*Date* - Until 31 October 2011

Department of Transport Notice 112/2010 (AA497996)

Scientific instruments exist as follows:

<i>Position</i>	<i>Remarks</i>
16° 04'.4 S 123° 33'.8 E	lit buoy, <i>Fl(5)Y.20s</i>
16° 04'.9 S 123° 33'.3 E	lit buoy, <i>Fl(5)Y.20s</i>
16° 05'.7 S 123° 32'.5 E	lit buoy, <i>Fl(5)Y.20s</i>
16° 06'.0 S 123° 33'.2 E	subsurface.

Mariners are not to use these buoys as moorings.

**Chart temporarily affected - Aus 40 - Aus 732 - Aus 733**

**1204(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - James Price Point - Scientific instruments**

*Date* - Until 1 November 2011

Department of Transport WA Notice 116/2010 (AA561400)

Scientific instruments marked by unlit special buoys exist within a 10000m radius of James Prices Point (17° 29'.21 S 122° 08-56 E).

Mariners are not to use these buoys as moorings.

**Chart temporarily affected - Aus 324**

**affected - Aus 327 - Aus 328**

**1270(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Dampier Archipelago - Scientific instruments northwards**

*Former Notice* - 630(T)/2010 is cancelled

*Date* - Until 31 May 2011

MetOcean Engineers (AA502482)

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

18° 45'.51 S 117° 01'.86 E

19° 31'.30 S 117° 03'.12 E

19° 31'.39 S 117° 03'.06 E.

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

**1272(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Regnard Bay - Platform; pipeline northwards**

*Former Notice* - 1030(T)/2010 is cancelled

*Date* - Until 28 February 2011

Apache Energy Ltd ((AA495350, AA493059, AA501959)

Pipelay vessel *Leighton Stealth* and support vessels are conducting pipelay operations between 20° 37'.09 S 116° 21'.01 E (WGS84 datum) and 20° 01'.43 S 116° 18'.57 E.

The Reindeer platform (20° 01'.43 S 116° 18'.57 E) will be established in mid February 2011.

A pipeline exists between the following positions:

20° 37'.09 S 116° 21'.01 E

20° 49'.48 S 116° 21'.13 E

20° 50'.42 S 116° 20'.94 E.

A 300m exclusion zone exists along the pipeline in depths <10m and 500m in depths >10m.

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

**1274(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Rankin Bank - Scientific instruments**

*Former Notice* - 394(T)/2010 is cancelled

*Date* - Until 30 April 2011

MetOcean Engineers (AA502894)

Scientific instruments exist as follows:

<i>Position (WGS84 datum)</i>	<i>Remarks</i>
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**

**1277(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Thevenard Island - Scientific instruments**

*Former Notice* - 938(T)/2010 is cancelled

*Date* - Until 31 August 2011

MetOcean Engineers (AA502482)

Scientific instruments marked by special light buoys, *Fl(5)Y.20s*, exist in positions 21° 28'.41 S 115° 08'.41 E and 21° 28'.43 S 115° 08'.51 E (WGS84 datum).

**Chart temporarily affected - Aus 64 - Aus 328 - Aus 743**

**1401(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Seismic survey**

*Date* - Until 30 June 2011

Petroleum Geo-Services (AA509346, AA509347)

MV *Ramform Explorer*, towing ten 6500m cables, and support vessel MV *Nautika Pride* are conducting a survey in an area bounded by the following positions:

15° 10'.78 S 122° 39'.80 E

15° 10'.78 S 122° 25'.28 E

14° 11'.66 S 122° 25'.28 E

13° 53'.94 S 122° 44'.15 E

13° 53'.94 S 123° 29'.07 E

14° 14'.24 S 123° 29'.07 E

14° 14'.24 S 124° 04'.94 E

14° 29'.82 S 124° 04'.94 E

14° 29'.82 S 124° 09'.95 E

14° 39'.83 S 124° 09'.95 E

14° 39'.83 S 124° 01'.61 E

15° 00'.41 S 123° 39'.91 E

15° 00'.41 S 122° 51'.38 E.

**Chart temporarily affected - Aus 319 - Aus 320 - Aus 322 - Aus 729 – Aus 4721 (INT 721) - Aus 4722 (INT 722) - AX 0319F - AX 0322F - AX 4721F - AX 4722F**

**1402(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Cape Lambert - Dredging operations**

*Date - Until 30 June 2012*

Department of Transport WA (AA509635)

Dredging operations are in progress between 20° 33'.33 S 117° 13'.12 E and 20° 34'.50 S 117° 11'.59 E.

The dredge material will be deposited within the following areas:

**Area 1**

20° 31'.38 S 117° 12'.58 E

20° 31'.66 S 117° 13'.00 E

20° 30'.83 S 117° 13'.64 E

20° 30'.54 S 117° 13'.22 E.

**Area 2**

20° 29'.37 S 117° 14'.25 E

20° 29'.66 S 117° 14'.67 E

20° 28'.82 S 117° 15'.31 E

20° 28'.53 S 117° 14'.89 E.

**Area 3**

20° 26'.30 S 117° 20'.54 E

20° 26'.29 S 117° 21'.63 E

20° 25'.81 S 117° 21'.13 E

20° 25'.81 S 117° 20'.54 E.

All vessels will monitor VHF Ch 19 and display appropriate lights and shapes.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 55 - Aus 56 - Aus 740 - Aus 741**

**1405(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Mooring buoy off station northeastwards**

*Former Notice - 571(T)/2010 is cancelled*

MV *Mermaid Achiever* (AA471498, AA471499), Woodside Energy Ltd (AA471473, AA509630)

The lit mooring buoy (19° 35'.08 S 116° 03'.42 E (WGS84 datum)) is off station.

**Chart temporarily affected - Aus 327**

**1408(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - North West Cape - Scientific instrument northwards**

*Date - Until 18 December 2011*

Fugro Survey Pty Ltd (AA509619 - AA509621)

A special light buoy, *Fl(5)Y.20s*, exists in position 20° 10'.51 S 113° 49'.45 E.

**Chart temporarily affected - Aus 329**

**1409(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - North West Cape - Seismic survey**

*Date - Until 28 February 2011*

Schlumberger (AA508864)

RV *WG Cook*, towing eight 6000m cables, and support vessel *OMS Discovery* are conducting a survey in an area bounded by the following positions:

21° 56'.54 S 113° 28'.93 E

21° 51'.53 S 113° 53'.92 E

21° 46'.65 S 113° 58'.92 E

21° 40'.74 S 113° 58'.90 E

21° 40'.70 S 113° 28'.80 E

21° 28'.31 S 113° 28'.91 E

21° 28'.31 S 113° 01'.27 E

21° 48'.24 S 112° 56'.25 E

21° 56'.53 S 112° 56'.24 E.

Vessels will monitor VHF Ch 16 and 73.

**Chart temporarily affected - Aus 329 - Aus 745 - Aus 4723 - Aus 4725**

**1411(T)/2010 AUSTRALIA - WESTERN AUSTRALIA - Oakajee - Scientific instruments**

Date - Until 31 December 2011  
MetOcean Engineers (AA508525)

Scientific instruments marked by special light buoys, *Fl(5)Y.20s*, exist in positions 28° 35'.51 S 114° 33'.71 E and 28° 34'.97 S 114° 33'.90 E (WGS84 datum).

**Chart temporarily affected - Aus 332 - Aus 333 - Aus 751**

**68(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Lacepede Islands to James Price Point - Scientific instruments**

Date - Until 31 July 2011

MetOcean Engineers (AA511743)

Scientific instruments exist as follows:

Position	Remarks
17° 29'.44 S 121° 53'.42 E	lit buoy, <i>Fl(5)Y.20s</i>
17° 29'.12 S 121° 53'.25 E	lit buoy, <i>Fl(5)Y.20s</i>
16° 47'.62 S 121° 43'.70 E	lit buoy, <i>Fl(5)Y.20s</i> .

**Chart temporarily affected – Aus 323 – Aus 324**

**71(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Owen Anchorage - Harbour works**

Date - Until 30 June 2011

Department of Transport WA Notice 145/2010 (AA512206)

Works associated with the construction of a marina are in progress (32° 06'.00 S 115° 45'.55 E).

An exclusion zone marked by special light buoys exists within the marina and only vessels authorised by the Department of Transport may access the area.

**Chart temporarily affected – Aus 117 – AX 70117**

**121(T)/2011 INDIAN OCEAN - Sumatera - Scientific instruments westwards**

Former Notice - 1458(T)/2009 is cancelled

JAMSTEC (AA514619)

Scientific instruments, Triton buoys, exist as follows:

Number	Position
17	5° 01'.97 S 94° 58'.60 E
18	1° 36'.18 S 90° 04'.44 E
19	8° 04'.05 S 95° 07'.40 E.

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

**122(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Scott Reef to James Price Point - Scientific instruments**

Former Notice - 1085(T)/2010 is cancelled

Date - Until 30 June 2011

Fugro Survey Pty Ltd (AA514506 - AA514508)

Scientific instruments exist as follows:

Position	Remarks
14° 56'.62 S 121° 44'.93 E	subsurface
15° 00'.15 S 121° 46'.77 E	subsurface
15° 02'.37 S 121° 48'.41 E	lit buoy
15° 02'.57 S 121° 48'.24 E	lit buoy
15° 02'.81 S 121° 48'.08 E	subsurface
15° 03'.49 S 121° 48'.21 E	subsurface
15° 37'.37 S 121° 33'.86 E	lit buoy
15° 37'.56 S 121° 33'.85 E	lit buoy
15° 37'.77 S 121° 33'.88 E	lit buoy
15° 54'.51 S 121° 32'.06 E	lit buoy
16° 21'.57 S 121° 40'.16 E	lit buoy
16° 21'.74 S 121° 40'.19 E	lit buoy
16° 47'.49 S 121° 44'.21 E	lit buoy
16° 47'.63 S 121° 44'.04 E	lit buoy
16° 47'.95 S 121° 44'.02 E	lit buoy
17° 29'.45 S 121° 55'.32 E	lit buoy
17° 31'.24 S 122° 07'.52 E	lit buoy
17° 31'.27 S 122° 07'.59 E	lit buoy
17° 31'.41 S 122° 07'.45 E	lit buoy
17° 31'.19 S 122° 07'.52 E	lit buoy.

**Chart temporarily affected – Aus 322 – Aus 323 – Aus 324 – AX 0322F**

**123(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Dampier Archipelago - Oil field northwestwards**

*Former Notice* - 1144(T)/2010 is cancelled

*Date* - Until 30 June 2011

Woodside Energy Ltd (AA514650)

ISV *Nor Australis*, *Venturer* and *Rockwater 2* will be conducting refurbishment work on the Wanaea oil field infrastructure within the following area (WGS84 datum):

19° 26'.5 S 116° 29'.0 E

19° 33'.5 S 116° 30'.0 E

19° 37'.0 S 116° 24'.5 E

19° 36'.0 S 116° 24'.0 E.

FPSO *Cossack Pioneer* will be decommissioned mid March 2011.

FPSO *Okha* will be established early May 2011.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected – Aus 327 – Aus 741**

**124(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instrument**

*Date* - Until 31 December 2011

Department of Transport WA (AA511737, AA514503, AA514504)

A scientific instrument marked by a special light buoy, *Fl(5)Y.20s*, exists in position 20° 50'.14 S 115° 30'.46 E.

**Chart temporarily affected – Aus 62 – Aus 742 – Aus 743**

**175(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Pipeline, well**

*Date* - Until 23 March 2011

Apache Energy Ltd (AA516410)

A pipeline is being laid by MV *Southern Ocean* between positions 20° 43'.32 S 114° 59'.05 E (East Spar), 20° 36'.07 S 114° 55'.15 E and 20° 26'.83 S 115° 07'.20 E (John Brooks).

A production well is being installed in position 20° 36'.07 S 114° 55'.15 E. A 500m exclusion zone exists.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 328 - Aus 742**

**176(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - North West Cape - Scientific instruments northwards**

*Former Notice* - 1095(T)/2010 is cancelled

MetOcean Engineers (AA519918, AA516919)

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° 31'.02 S 114° 01'.20 E	lit buoy, <i>Fl(5)Y.20s</i>

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

**278(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Comet Bay - Scientific instrument**

*Date* - Until 31 August 2012

CSIRO (AA520991, AA520995)

A subsurface scientific instrument exists in position 32° 23'.97 S 115° 44'.10 E.

**Chart temporarily affected – Aus 755 – AX 0755E – AX 66002**

**326(P)/2011 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Light beacon established**

*Date* - On or about 20 April 2011

Port Hedland Port Authority (AA523131)

A rear leading light beacon, *Q.Bu*, exists in position 20° 19'.914 S 118° 35'.195 E. The light beacon will be upgraded to include a daymark apex down and the light elevation will be amended.

The light beacon, *Q.Bu.6m 3M* (20° 19'.85 S 118° 35'.10 E), is currently unlit and will be removed shortly.

The light beacon, *Fl.Bu.2s 11m 3M* (20° 19'.88 S 118° 35'.15 E), daymark will be altered to apex up.

**Chart which will be affected - Aus 54**

**327(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Dampier Archipelago - Drilling operations northwards**  
Aventus Consulting (AA523844)

The drill rig *Stena Clyde* and support vessels *Far Fosna* and *Lady Sandra* are conducting drilling operations in position 19° 18'.29 S 116° 45'.50 E.

A 500m safety zone exists around the drill rig.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 327 - Aus 741 - AX 4722F - Aus 4722 (INT 722) - Aus 4723 (INT 723)**

**329(P)/2011 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Deepwater Channel - Channel realignment**

*Date* - On or about 22 March 2011

*Former Notice* - 178(T)/2011 is cancelled

Fremantle Ports Notice 4/2011 (AA523323)

A starboard lateral pillar light buoy, *Iso.G.2s*, exists in position 32° 00'.060 S 115° 41'.496 E.

A port lateral pillar light buoy, *Iso.R.2s*, exists in position 32° 00'.065 S 115° 41'.711 E.

The following light buoys have been withdrawn:

	<i>Position</i>	<i>Remarks</i>
<i>Iso.R.2s</i>	32° 00'.01 S 115° 41'.23 E	
<i>Fl.G.4s</i>	31° 59'.52 S 115° 41'.40 E	A lit wreck buoy, <i>Fl.G.2s</i> , exists in situ.
<i>Iso.G.2s</i>	31° 59'.97 S 115° 40'.83 E	A lit wreck buoy, <i>Q.Y.</i> , exists in situ.

*Note*: a block update for the realignment of the Deepwater Channel is in progress.

**Chart which will be affected - Aus 112 - AX 63112**

**382(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Browse Island - Scientific instrument**

MetOcean Engineers (AA524835)

A subsurface scientific instrument exists in position 13° 56'.34 S 123° 16'.66 E.

**Chart temporarily affected - Aus 319 - Aus 320 - AX 0319F**

**383(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Lacepede Islands - Scientific instruments**

*Date* - Until 30 June 2011

MetOcean Engineers (AA526103)

Scientific instruments marked by lit buoys, *Fl(5)Y.20s*, exist in positions 15° 37'.56 S 121° 34'.17 E and 16° 47'.41 S 121° 43'.75 E.

**Chart temporarily affected - Aus 323 - Aus 324**

**384(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Port Hedland - Scientific instruments**

*Former Notice* - 1269(T)/2010 is cancelled

*Date* - Until 31 March 2012

MetOcean Engineers (AA526103)

Scientific instruments exist as follows:

<i>Position (WGS84 datum)</i>	<i>Remarks</i>
20° 15'.45 S 118° 33'.68 E	<i>Fl(5)Y.20s</i>
20° 15'.42 S 118° 33'.76 E	5 poly floats
20° 15'.41 S 118° 33'.32 E	<i>Fl(5)Y.20s</i>
20° 13'.60 S 118° 30'.63 E	5 poly floats
20° 10'.62 S 118° 30'.50 E	5 poly floats
20° 08'.33 S 118° 23'.50 E	<i>Fl(5)Y.20s</i>
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	<i>Fl(5)Y.20s</i>

20° 07'.85 S 118° 23'.72 E      *Fl(5)Y.20s* and 5 poly floats  
20° 07'.79 S 118° 23'.84 E      *Fl(5)Y.20s*

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

**386(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Glomar Shoal to Barrow Island - Oil fields to be decommissioned**

*Former Notice* - 328(T)/2011 is cancelled

*Date* - Until 31 May 2011

Apache Energy Ltd (AA523505, AA523507, AA523508)

MSV *Southern Ocean* will be onsite to assist with the removal of platforms South Pepper (21° 07'.40 S 115° 16'.30 E (WGS84 datum)), North Herald (21° 10'.43 S 115° 15'.91 E) and Ocean Legend (19° 42'.23 S 116° 42'.48 E).

**Chart temporarily affected - Aus 63 - Aus 327 - Aus 328 - Aus 741 - Aus 743 - Aus 4603 (INT 603) - Aus 4708 (INT 708) - Aus 4722 (INT 722) - Aus 4723 (INT 723) - Aus 4725 (INT 725) - AX 4603F - AX 4708F - AX 4722F**

**387(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Dampier Archipelago - Scientific instrument northwestwards**

*Date* - Until 31 March 2013

MetOcean Engineers (AA526103)

A subsurface scientific instrument exists in position 19° 33'.23 S 116° 06'.37 E.

**Chart temporarily affected - Aus 327**

**388(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands - Scientific instruments northwards**

*Former Notice* - 1209(T)/2010 is cancelled

*Date* - Until 30 September 2011

MetOcean Engineers (AA526103)

Scientific instruments marked by lit buoys, *Fl(5)Y.20s*, exist in the following positions:

19° 45'.34 S 115° 47'.88 E  
19° 45'.87 S 115° 47'.99 E  
19° 56'.68 S 115° 32'.73 E.

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

**390(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Montebello Islands to Barrow Island - Lit mooring buoys**

*Former Notice* - 69(T)/2011 is cancelled

*Date* - Until 29 November 2011

Chevron Australia Pty Ltd (AA511777, AA526014)

Lit yellow mooring buoys, *Fl. Y. 10s*, exist in positions (WGS84 datum):

21° 05'.94 S 115° 30'.83 E	20° 49'.32 S 115° 30'.67 E
21° 02'.44 S 115° 29'.06 E	20° 49'.01 S 115° 30'.82 E
20° 57'.75 S 115° 28'.07 E	20° 48'.56 S 115° 28'.60 E
20° 54'.52 S 115° 32'.33 E	20° 48'.38 S 115° 28'.94 E
20° 54'.37 S 115° 32'.23 E	20° 48'.04 S 115° 28'.52 E
20° 54'.09 S 115° 27'.74 E	20° 47'.36 S 115° 30'.34 E
20° 53'.07 S 115° 30'.78 E	20° 47'.36 S 115° 29'.92 E
20° 51'.73 S 115° 28'.09 E	20° 47'.28 S 115° 30'.63 E
20° 51'.62 S 115° 31'.96 E	20° 47'.10 S 115° 30'.02 E
20° 51'.56 S 115° 29'.54 E	20° 47'.01 S 115° 29'.80 E
20° 50'.29 S 115° 30'.19 E	20° 46'.79 S 115° 29'.29 E
20° 50'.12 S 115° 30'.25 E	20° 44'.16 S 115° 29'.06 E
20° 49'.96 S 115° 30'.35 E	20° 44'.00 S 115° 29'.16 E
20° 49'.92 S 115° 30'.35 E	20° 37'.86 S 115° 35'.18 E
20° 49'.85 S 115° 30'.40 E	20° 33'.34 S 115° 34'.33 E
20° 49'.53 S 115° 29'.22 E	20° 30'.47 S 115° 33'.86 E.
20° 49'.52 S 115° 28'.54 E	

**Chart temporarily affected - Aus 61 - Aus 62 - Aus 63 - Aus 327 - Aus 328 - Aus 742 - Aus 743**

**431(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Scott Reef - Seismic survey northeastwards**

*Former Notice* - 389(T)/2011 is cancelled

*Date* - Until 8 May 2011

NT Shipping Agencies (AA527690, AA527691)

MV *Ramform Sterling*, and support vessel *Ocean Dynasty* are conducting a survey in an area bounded by the following positions:



14° 20'.4 S 121° 37'.0 E  
14° 20'.4 S 122° 17'.2 E  
14° 44'.6 S 122° 17'.2 E  
14° 44'.6 S 121° 37'.0 E.

**Chart temporarily affected - Aus 322 - AX 0322F**

**432(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Port Walcott - Scientific instruments**

*Date* - Until 31 October 2011

MetOcean Engineers (AA528772)

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

20° 26'.02 S 117° 09'.26 E  
20° 34'.49 S 117° 06'.14 E  
20° 34'.58 S 117° 06'.18 E.

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

**433(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Dampier Archipelago - Seismic survey northwestwards**

*Former Notice* - 1335(T)/2010 is cancelled

*Date* - Until 31 July 2011

Fugro Multi Client Services Pty Ltd (AA527204)

MV *Geo Celtic*, towing ten 6600m cables, and support vessel MV *Sealink 161* are conducting a survey in an area bounded by the following positions:

19° 14'.92 S 115° 35'.08 E  
19° 14'.92 S 115° 25'.08 E  
19° 09'.92 S 115° 25'.08 E  
19° 09'.92 S 115° 20'.08 E  
18° 29'.92 S 115° 20'.08 E  
18° 29'.92 S 115° 50'.08 E  
19° 14'.92 S 115° 50'.08 E  
19° 14'.92 S 116° 00'.08 E  
19° 34'.92 S 116° 00'.08 E  
19° 34'.92 S 115° 40'.08 E  
19° 19'.92 S 115° 40'.08 E  
19° 19'.92 S 115° 35'.08 E.

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

**434(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Scientific instrument**

*Former Notice* - 174(T)/2011 is cancelled

*Date* - Until 30 June 2011

Department of Transport WA Notice 50/2011 (AA527735)

A special light buoy, *Fl(5)Y.20s*, exists in position 20° 47'.63 S 115° 29'.12 E.

**Chart temporarily affected - Aus 62 - Aus 742 - Aus 743**

**435(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Barrow Island - Light beacons established**

*Date* - Until 31 October 2011

Department of Transport WA Notice 53/2011 (AA527939)

Light beacons with temporary lights, *Fl.Y.3s*, exist in positions 20° 47'.66 S 115° 28'.64 E (WGS84 datum) and 20° 47'.60 S 115° 28'.31 E.

**Chart temporarily affected - Aus 62 - Aus 327 - Aus 328 - Aus 742**

**436(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Exmouth Plateau - Scientific instruments**

*Date* - Until 31 May 2011

MetOcean Engineers (AA528772)

Subsurface scientific instruments exist in positions 20° 14'.21 S 113° 53'.59 E and 20° 23'.61 S 114° 03'.90 E.

**Chart temporarily affected - Aus 329**

**437(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Onslow - Scientific instrument**

*Date* - Until 31 October 2011

Department of Transport WA Notice 59/2011 (AA527764)

A special light buoy, *Fl(5)Y.20s*, exists in position 21° 37'.38 S 115° 05'.49 E.

Mariners are not to use this buoy as a mooring.

**Chart temporarily affected - Aus 64**

**438(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Fremantle - Depth information**

*Former Notice - 70(T)/2011 is cancelled*

Fremantle Ports (AA526854)

Available depths as at 12 April 2011:

<i>Berth</i>	<i>Metres</i>
No 1	11.0
No 2	11.0
* No 4	14.6
* No 5	14.6
* No 6	14.6
* No 7	14.6
* No 8	14.6
* No 9	14.6
* No 10	14.6
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.

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

**Chart temporarily affected - Aus 113**

**439(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Garden Island - Obstruction; light buoys**

*Date - Until 20 November 2012*

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

A subsurface power generating structure, marked by a special light buoy, *Fl(4)Y.20s*, exists in position 32° 15'.06 S 115° 39'.08 E. An exclusion zone marked by cardinal light buoys exists in an area bounded by the following positions:

32° 14'.98 S 115° 39'.08 E  
32° 15'.06 S 115° 39'.17 E  
32° 15'.13 S 115° 39'.07 E  
32° 15'.05 S 115° 38'.99 E.

A special light buoy, *Fl(5)Y.20s*, exists in position 32° 15'.09 S 115° 39'.03 E.

Mariners are advised to navigate with caution in the area and are not use these buoys as moorings.

**Chart temporarily affected - Aus 117 - Aus 334 - Aus 754 - Aus 755 - AX 0334E - AX 0754E - AX 0755E - AX 66002 - AX 70117**

**440(T)/2011 AUSTRALIA - WESTERN AUSTRALIA - Esperance - Bandy Creek Boat Harbour - Dredging operations**

*Date - Until 31 July 2011*

Department of Transport WA Notice 54/2011 (AA527740)

The dredge *Cooper II* is conducting dredging operations in the vicinity of 33° 50'.16 S 121° 55'.99 E.

The dredge has deployed anchors and will display appropriate lights and shapes. A 60m floating pipeline exists in the area.

The dredge will monitor VHF Ch 16 and mariners must make contact prior to navigating past the dredge.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 119**

## SOUTH AUSTRALIA

### **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**

### **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**

### **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:

	<i>Metres (LAT)</i>
* No 1 South Berth	8.7
* No 2 North Berth	8.7
* Indicates new or revised entry.	

**Chart temporarily affected – Aus 777**

### **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:

<i>Position (WGS84 datum)</i>	<i>Remarks</i>
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**

### **573(T)/2010 AUSTRALIA - SOUTH AUSTRALIA - MacDonnell Sound - Wreck**

Department of Transport, Energy and Infrastructure SA Notice 23/2010 (AA470933)

A stranded wreck exists in position 35° 05'.83 S 137° 51'.90 E (WGS84 datum).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 139 - Aus 780**

### **880(T)/2010 AUSTRALIA - SOUTH AUSTRALIA - Kangaroo Island - Penneshaw - Light destroyed; lights established**

*Former Notice - 775(T)/2010 is cancelled*

Department for Transport, Energy and Infrastructure SA Notice 36/2010 (AA485143)

The light (35° 43'.00 S 137° 56'.65E (WGS84 datum)) has been destroyed. Temporary lights exist as follows;

<i>Position</i>	<i>Remarks</i>
35° 43'.02 S 137° 56'.60 E	Fl.G.2s 4M

35° 42'.98 S 137° 56'.62 E *Fl.3s 2M*

**Chart temporarily affected - Aus 125 - Aus 126 - Aus 345 - Aus 346 - Aus 444 - Aus 780 - AU436137**

**1032(T)/2010 AUSTRALIA - SOUTH AUSTRALIA - Port Augusta - Bluff Reach - Light beacon damaged**

*Former Notice* - 265(T)/2008 is cancelled

Department of Transport, Energy and Infrastructure SA (AA495435, AA495437)

No 9 light beacon K1952 (32° 39'.0 S 137° 46'.2 E) has been damaged; a light beacon, *Q(9)15s*, with west cardinal topmark has been established in situ.

**Chart temporarily affected - Aus 778 - AU433137**

**1212(T)/2010 AUSTRALIA - SOUTH AUSTRALIA - Port Stanvac - Scientific instrument**

*Former Notice* - 879(T)/2010 is cancelled

*Date* - Until 1 October 2011

South Australian Research and Development Institute (AA500707)

Subsurface scientific instruments exist in positions (WGS84 datum):

35° 05'.61 S 138° 28'.26 E

35° 05'.56 S 138° 28'.39 E

35° 05'.49 S 138° 28'.31 E.

**Chart temporarily affected - Aus 125 - Aus 781**

**1344(T)/2010 AUSTRALIA - SOUTH AUSTRALIA - Cape Jaffa - Wreck westwards**

Department of Transport, Energy and Infrastructure Notice 51/2010 (AA506578)

A wreck exists in position 36° 52'.30 S 139° 06'.69 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 347**

**1412(T)/2010 AUSTRALIA - SOUTH AUSTRALIA - Whyalla - Light destroyed**

*Former Notice* - 774(T)/2010 is cancelled

OneSteel Whyalla Steelworks (AA508915)

The light (33° 00'.81 S 137° 35'.33E) has been destroyed; a light, *F.Bu (occas)*, exists in situ.

**Chart temporarily affected - Aus 136**

**179(P)/2011 AUSTRALIA - SOUTH AUSTRALIA - Port Augusta - Beacons established**

*Former Notice* - 1211(T)/2010 is cancelled

Department of Transport, Energy and Infrastructure SA Notice 5/2011 (AA516339)

The following beacons have been installed :

<i>Name</i>	<i>Position</i>	<i>Type</i>
Bcn21	32°34.03'S 137°45.91'E	Starboard Lateral beacon
Bcn23	32°33.54'S 137°46.21'E	Starboard Lateral beacon
Bcn24	32°34.05'S 137°45.76'E	Port Lateral light beacon, <i>Fl.R.3s</i>
Bcn25	32°32.90'S 137°46.57'E	Starboard Lateral beacon
Bcn26	32°33.48'S 137°46.07'E	Port Lateral beacon
Bcn27	32°32.58'S 137°46.81'E	Starboard lateral light beacon, <i>Fl.G.5s</i>
Bcn28	32°32.83'S 137°46.51'E	Port Lateral beacon
Bcn29	32°32.34'S 137°46.75'E	Starboard lateral light beacon, <i>Fl.G.2s</i>
Bcn30	32°32.59'S 137°46.71'E	Port Lateral light beacon, <i>Fl.R.5s</i>
Bcn31	32°32.04'S 137°46.35'E	Starboard lateral light beacon, <i>Fl.G.3s</i>
Bcn32	32°32.49'S 137°46.72'E	Port Lateral light beacon, <i>Fl.R.3s</i>
Bcn33	32°32.02'S 137°45.97'E	Starboard lateral light beacon, <i>Fl.G.5s</i>
Bcn34	32°32.33'S 137°46.61'E	Port Lateral beacon
Bcn35	32°31.97'S 137°45.86'E	Starboard lateral light beacon, <i>Fl.G.2s</i>
Bcn36	32°32.10'S 137°46.32'E	Port Lateral light beacon, <i>Q R</i>
Bcn37	32°31.73'S 137°45.71'E	Starboard Lateral beacon
Bcn38	32°32.07'S 137°46.05'E	Port Lateral beacon
Bcn39	32°31.57'S 137°45.76'E	Starboard Lateral beacon
Bcn40	32°32.02'S 137°45.83'E	Port Lateral beacon
Bcn41	32°31.28'S 137°45.87'E	Starboard Lateral beacon
Bcn42	32°31.93'S 137°45.69'E	Port Lateral beacon

Bcn43	32°30.81'S 137°46.07'E	Starboard lateral light beacon, <i>Fl.G.3s</i>
Bcn44	32°31.72'S 137°45.66'E	Port Lateral light beacon, <i>Fl.R.3s</i>
Bcn45	32°30.71'S 137°46.06'E	Starboard Lateral beacon
Bcn46	32°31.34'S 137°45.80'E	Port Lateral beacon
Bcn47	32°30.55'S 137°46.01'E	Starboard lateral light beacon, <i>Fl.G.5s</i>
Bcn48	32°31.15'S 137°45.89'E	Port Lateral beacon
Bcn49	32°30.26'S 137°45.65'E	Starboard lateral light beacon, <i>Fl.G.2s</i>
Bcn50	32°30.96'S 137°45.97'E	Port Lateral beacon
Bcn51	32°30.08'S 137°45.52'E	Starboard Lateral beacon
Bcn52	32°30.81'S 137°46.00'E	Port Lateral beacon
Bcn53	32°29.89'S 137°45.47'E	Starboard Lateral beacon
Bcn54	32°30.72'S 137°46.01'E	Port Lateral beacon
Bcn55	32°29.56'S 137°45.46'E	Starboard lateral light beacon, <i>Fl.G.5s</i>
Bcn56	32°30.63'S 137°45.97'E	Port Lateral beacon
Bcn58	32°30.57'S 137°45.94'E	Port Lateral beacon
Bcn60	32°30.28'S 137°45.62'E	Port Lateral light beacon, <i>Fl.R.5s</i>
Bcn62	32°30.13'S 137°45.48'E	Port Lateral light beacon, <i>Fl.R.2s</i>
Bcn64	32°29.90'S 137°45.42'E	Port Lateral light beacon, <i>Fl.R.5s</i>

Note: Charting area will be updated on rectification of the horizontal datum error in chart Aus 778

#### **Chart which will be affected - Aus 778**

#### **226(T)/2011 AUSTRALIA - SOUTH AUSTRALIA - Port Adelaide - Light beacon destroyed**

*Former Notice* - 180(T)/2011 is cancelled  
HydroSurvey Australia (AA518403)

The rear lead light beacon (34° 46'.71 S 138° 21'.59 E) has been destroyed.

#### **Chart temporarily affected - Aus 130 - Aus 138 - Aus 781**

#### **227(T)/2011 AUSTRALIA - SOUTH AUSTRALIA - Rapid Head - Light buoy off station**

Department of Transport, Energy and Infrastructure SA Notice 9/2011 (AA517392)

The isolated danger light buoy, *Fl(2)10s* (35° 28'.82 S 138° 09'.44 E), is off station

#### **Chart temporarily affected - Aus 780**

#### **330(T)/2011 AUSTRALIA - SOUTH AUSTRALIA - Great Sandy Point to West Beach - Scientific instruments**

*Former Notice* - 225(T)/2011 is cancelled

*Date* - Until 15 April 2011

Department of Transport, Energy and Infrastructure SA Notice 13/2011 (AA522325)

126 instruments marked spherical pink and white buoys exist within 6M of the coast between 34° 35'.0 S and 34° 54'.0 S. A further 21 instruments marked by spherical pink and white buoys exist within 4-15M of the coast between 34° 31'.5 S and 34° 49'.0 S.

Mariners are advised to navigate with caution in the area.

#### **Chart temporarily affected - Aus 130 - Aus 137 - Aus 138 - Aus 781**

## VICTORIA

### **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**

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

Victorian Notice 64(T)/2008 (AA333884)

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

Mariners are advised to navigate with caution in the area.

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

### **893(T)/2008 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - River Yarra - Light beacon withdrawn**

Victorian Notice 98/2008 (AA354281)

No 44 light beacon (37° 49'.36 S 144° 54'.26 E) has been withdrawn; a port lateral light buoy, *Fl.R.2s*, exists in situ.

**Chart temporarily affected - Aus 154 - AU5XX154**

### **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**

### **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**

### **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**

**942(T)/2010 AUSTRALIA - VICTORIA - Port Phillip - Geelong - Depth information**

*Former Notice* - 465(T)/2009 is cancelled

Victorian Regional Channels Authority (AA490300, AA490301), Victorian Notice 31(T)/2005, 104(T)/2005 (AA131863, AA203894)

Available depths as at 19 August 2010:

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

**Chart temporarily affected - Aus 153 - Aus 157**

**943(T)/2010 AUSTRALIA - VICTORIA - Port Phillip - Werribee River - Harbour works**

*Date* - Until 28 February 2011

Victorian Notice 82(T)/2010 (AA490399)

Works associated with upgrade to the boat ramp and jetty (37° 58'.35 S 144° 41'.16 E) are in progress. Certain sections of the boat ramp and jetty may be closed during works and information on the closures can be obtained by contacting Wyndham City Council on (03) 9742 0777.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 155**

**1035(T)/2010 AUSTRALIA - VICTORIA - Port Phillip - South Channel - Obstruction**

*Former Notice* - 797(T)/2007 is cancelled

Victorian Notice 92(T)/2010 (AA495912)

An obstruction marked by three isolated danger light buoys, *Fl(2)4s*, 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**

**1100(T)/2010 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - Princes Pier - Harbour works**

*Former Notice* - 223(T)/2008 is cancelled

*Date* - Until 30 June 2011

Victorian Notice 94(T)/2010 (AA496795)

Harbour works associated with the redevelopment of Princes Pier (37°50'.70S 144°55'.54 E) are in progress.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 154 - Aus 155**

**1153(T)/2010 AUSTRALIA - VICTORIA - Kilcunda - Exclusion zone**

*Date* - Until 30 June 2011

Victorian Notice 99(T)/2010 (AA498000)

An exclusion zone, associated with the desalination project, exists in an area bounded by the following:

<i>Position</i>	<i>Remarks</i>
38° 35'.51 S 145° 30'.43 E	north cardinal light buoy, Q
38° 35'.51 S 145° 30'.13 E	west cardinal light buoy, Q(9)15s
38° 35'.87 S 145° 30'.26 E	west cardinal light buoy, Q(9)15s
38° 36'.23 S 145° 30'.38 E	south cardinal light buoy, Q(6)+LFl.15s
38° 36'.23 S 145° 30'.63 E	south cardinal light buoy, Q(6)+LFl.15s
38° 36'.04 S 145° 30'.85 E	east cardinal light buoy, Q(3)10s
38° 35'.85 S 145° 31'.07 E	
38° 35'.52 S 145° 30'.73 E.	

Only authorised vessels are permitted entry.

**Chart temporarily affected - Aus 150 - Aus 801**

**1217(T)/2010 AUSTRALIA - VICTORIA - Western Port - West Head - Light buoy off station**  
West Head Gunnery Range (AA501498)

The special light buoy (38° 31'.1 S 145° 01'.0 E) is off station.

**Chart temporarily affected - Aus 150 - Aus 801 - AU439145**

**1291(T)/2010 AUSTRALIA - VICTORIA - Ninety Mile Beach - Obstructions**  
*Former Notice* - 458(T)/2007 is cancelled  
Victorian Notice 51(T)/2007 (AA242065)

Suspended well heads exists within a 300m radius of position 38° 37'.65 S 146° 53'.75 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 357 - AU439146**

**1354(T)/2010 AUSTRALIA - VICTORIA - Corner Inlet - Shoaling**  
*Former Notice* - 1213(T)/2008 is cancelled  
Victorian Notice 128(T)/2008 (AA368471)

Shoaling exists along the northern bank of the main entrance in the vicinity of position 38° 50'.9 S 146° 34'.8 E (WGS84 datum).

Mariners are advised to navigate along the Lighthouse Point directional light centreline of 277° when transiting the area.

**Chart temporarily affected - Aus 181 - Aus 802**

**1420(T)/2010 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - River Yarra - Harbour works**  
*Former Notice* - 1150(T)/2010 is cancelled  
*Date* - Until 31 March 2011  
Victorian Notice 133(T)/2010 (AA508979)

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.

The following restrictions apply until the 17 December 2010 and the restrictions will resume on 10 January 2011;  
Vessels with air draught less than 43.5m no restrictions apply, however notice is to be provided to construction crew. 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.

Vessels with air draught 43.5m to 49.0m are permitted to transit subject to evacuation of all personnel from platform. Incoming vessels report to Melbourne VTS 30 minutes prior to arrival Fawcner beacon and departing vessels report to Melbourne VTS 30 minutes prior to departing from berths upstream of the West Gate Bridge.

Vessels with air draught greater than 49.0m are permitted to transit once they have obtained a permit from the Berth Allocator 24 hours prior to transit. The Berth Allocator can be contacted via email on berthallocator@portofmelbourne.com. Incoming vessels report to Lonsdale VTS 2 hours prior to arrival at Port Phillip pilot station and departing vessels report to Melbourne VTS 4 hours prior to departing from berths upstream of the West Gate Bridge.

**Chart temporarily affected - Aus 154**

**77(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - Appleton Dock - Harbour works**  
*Date* - Until 31 August 2011  
Victorian Notice 2(T)/2011 (AA512223)

Works associated with the remediation of berths B to D are in progress (37° 49'.07 S 144° 55'.20 E).

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 154**

**128(T)/2011 AUSTRALIA - VICTORIA - Cape Duquesne to Port Campbell - Scientific instruments**



Date - Until 31 July 2012  
Cardno (AA514821)

Scientific instruments marked by special light buoys, *Fl*(5)Y.20s, exist in positions 38° 21'.75 S 141° 14'.47 E and 38° 43'.06 S 142° 46'.79 E.

**Chart temporarily affected – Aus 348 – Aus 349 – Aus 787**

**183(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - River Yarra - Light beacon removed**

Date - Until 18 March 2011  
Victorian Notice 24(T)/2011 (AA516346)

The light beacon No. 49 is temporarily removed. A temporary light, *Fl*.Y.2s, has been established in position 37° 49'.272 S 144° 54'.766 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 154**

**232(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - River Yarra - South Wharf - Harbour works**

Date - Until 18 April 2011  
Victorian Notice 38(T)/2011 (AA518656)

Harbour works are in progress in the vicinity of position 37° 49'.29 S 144° 54'.71 E.

Special spar light buoys, *Fl*.Y.3s, exist in the following positions:

37° 49'.27 S 144° 54'.76 E  
37° 49'.27 S 144° 54'.72 E  
37° 49'.27 S 144° 54'.67 E.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 154**

**233(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - Patterson River - Harbour works**

Date - Until 30 June 2011  
Victorian Notice 34(T)/2011 (AA518515)

Replacement of tidal gates at Whalers Cove (38° 04'.20 S 145° 08'.05 E) is in progress.

Navigation through the gates will be reduced to one lane. A traffic light management system will be in place for vessels entering or exiting the lakes at the tide gates between Patterson River and Whalers Cove.

All hazards to navigation will display appropriate lights and be marked by buoys.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 143**

**334(T)/2011 AUSTRALIA - VICTORIA - Split Point - Light unreliable**

Australian Maritime Safety Authority (AA523846)

The light K2182 (38° 28'.1 S 144° 06.3 E) is unreliable at medium to short range. Range of poor performance will depend on height of eye.

**Chart temporarily affected - Aus 349 - Aus 487 - Aus 788 - Aus 4644 (INT 644) - Aus 4728 (INT 728)**

**335(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - Corio Bay - Harbour works**

Date - Until 21 April 2011  
Victorian Notice 44(T)/2011 (AA522341)

Harbour works are in progress in St Helens boat harbour (38° 07'.19 S 144° 21'.58 E).

Mariners are advised that during this period the ramp will not be available for access and to use Limeburners Point boat ramp (38° 08'.61 S 144° 23'.11 E).

All hazards to navigation will display appropriate lights and shapes.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 153 - Aus 157**

**393(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - Entrance Deep - Underwater survey work**

*Former Notice - 74(T)/2011 is cancelled*

*Date - Until 30 June 2011*

*Victorian Notice 52(T)/2011 (AA526060)*

Diving and Remote Operating Vehicle (ROV) surveys of the Rip Bank will be conducted along the Entrance Deep (38° 17'.9 S 144° 38'.1 E) during the following periods:

18 April to 21 April 2011,

27 April to 30 June 2011.

The surveys will commence at times of predicted slack water and continue up to one hour thereafter.

RV *Orca II* will be conducting the survey operations and can be contacted on VHF Ch 12 and Ch 16 or on mobile 0407088840.

The entrance channels may be closed to shipping during certain periods when underwater activities take place in the Great Ship Channel.

The Eastern Ship Channel and Outer Eastern Channel may remain open to shipping when underwater activities take place in the Western Ship Channel and/or Outer Western Channel. During the closure periods vessels must not pass or overtake in the Eastern Ship Channel and Outer Eastern Channel.

Details of the planned daily program can be obtained from Point Lonsdale Signal Station on VHF Ch 12.

Vessels intending to use any of the entrance channels should make early contact with Point Lonsdale VTS.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 143 - Aus 144 - Aus 158**

**394(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - Williamstown - Harbour works**

*Date - Until 21 April 2011*

*Victorian Notice 49(T)/2011 (AA525623)*

Piling operations from a barge are in progress at the marina in the vicinity of position 37° 51'.63 S 144° 54'.44 E.

All hazards to navigation display appropriate lights.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 154**

**442(T)/2011 AUSTRALIA - TASMANIA - Stony Head - Scientific instrument northwards**

*Date - Until 31 October 2011*

*Cardno (AA527770)*

A special light buoy, *Fl(5)Y.20s*, exists in position 40° 30'.02 S 146° 55'.77 E.

**Chart temporarily affected - Aus 799**

**443(T)/2011 AUSTRALIA - TASMANIA - River Tamar - Middle Bank - Light altered**

*Marine and Safety Tasmania Notice M58/2011 (AA526428)*

The light beacon, *Fl.R.2s 7m 6M* (41° 03'.67 S 146° 46'.73 E) has been temporarily altered to *Q.Y.*

**Chart temporarily affected - Aus 167 - Aus 799**

**444(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - Sorrento Channel - Light buoy off station**

*Victorian Notice 54(T)/2011 (AA527767)*

No3 buoy (38° 20'.66 S 144° 45'.88 E) is off station

**Chart temporarily affected - Aus 158**

**446(T)/2011 AUSTRALIA - VICTORIA - Port Phillip - Port Melbourne - River Yarra - Depth information**

*Victorian Notices 55(T)/2011, 56(T)/2011, 57(T)/2011 (AA526917, AA526912, AA526947)*

Available depths as at 12 April 2011:

<i>Berth</i>	<i>Metres</i>
Maribyrnong No1	9.6
Southern approaches to Maribyrnong No1 (north of 37° 49'.2 S)	10.0
Yarraville No5	9.1

**Chart temporarily affected - Aus 154**

**448(T)/2011 AUSTRALIA - BASS STRAIT - Platforms; pipeline**

*Former Notice* - 1424(T)/2010 is cancelled

*Date* - Until 31 July 2012

McDermott Australia Pty Ltd (AA527057)

*DB30, Emerald Sea, Miclyn Endurance* and support vessels are conducting works to platforms and pipelines in the area bounded by 38° 11'.0 S to 38° 15'.0 S and 148° 00'.0 E to 148° 36'.0. Vessels are advised not to enter the area and a 2M safety zone exists around the vessels involved in the works.

Vessels can be contacted on VHF Ch 16.

**Chart temporarily affected - Aus 357 - Aus 487**

## TASMANIA

### **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**

### **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**

### **529(T)/2010 AUSTRALIA - TASMANIA - Frederick Henry Bay - Whale Rock - Light beacon destroyed**

Marine and Safety Tasmania M56/2010 (AA468779)

The isolated danger light beacon (42° 52'.77 S 147° 35'.88 E) has been destroyed.

Mariners are advised to navigate with caution in the area.

**Chart temporarily affected - Aus 171 - Aus 796 - AU443147**

### **883(T)/2010 AUSTRALIA - TASMANIA - River Tamar - Long Reach - Light beacon destroyed**

*Former Notice* - 727(T)/2010 is cancelled

*Date* - Until 10 December 2010

Marine and Safety Tasmania Notice M82/2010 (AA485819, AA485820)

No3 light beacon (41° 10'.26 S 146° 55'.80 E) has been destroyed; a starboard lateral light buoy, *Fl.G.3s*, exists in situ.

**Chart temporarily affected - Aus 167 - Aus 168 - AU5167X8**

### **1416(T)/2010 AUSTRALIA - TASMANIA - Round Hill Point - Pipeline**

Marine and Safety Tasmania Notice M119/2010 (AA508866)

A pipeline is being laid between positions 41° 03'.92 S 145° 56'.67 E and 41° 03'.74 S 145° 56'.67 E.

**Chart temporarily affected - Aus 163 - Aus 799**

### **72(T)/2011 AUSTRALIA - TASMANIA - North West Bay - Beacon destroyed**

Marine and Safety Tasmania Notice M5/2011 (AA512451)

The port lateral beacon (43° 02'.90 S 147° 16'.43 E) has been destroyed; a port lateral buoy has been established in situ.

**Chart temporarily affected – Aus 171 – Aus 173 – Aus 174 – Aus 796**

### **331(T)/2011 AUSTRALIA - TASMANIA - River Derwent - Raft removed**

*Date* - Until 19 April 2011

Marine and Safety Tasmania Notice M41/2011 (AA522333)

The raft (42° 51'.07 S 147° 20'.19 E) has been removed; a special light buoy, *Fl.Y.3s*, exists in situ.

**Chart temporarily affected - Aus 172**

**391(T)/2011 AUSTRALIA - TASMANIA - King Island - Seismic survey southwestwards**

*Former Notice* - 182(T)/2011 is cancelled

*Date* - Until 25 April 2011

Environment Resource Group Pty Ltd (AA516343, AA516344, AA525375)

MV *Western Patriot*, will be conducting a survey in an area bounded by the following positions:

40° 41'.3 S 142° 56'.1 E

40° 34'.1 S 143° 10'.9 E

40° 52'.5 S 143° 26'.3 E

40° 59'.7 S 143° 11'.4 E.

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

## PAPUA NEW GUINEA and SOUTH PACIFIC

**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**

**64(T)/2011 PAPUA NEW GUINEA - Eastern Fields - Seismic survey northwestwards**  
*Date - Until 5 April 2011*  
National Maritime Safety Authority PNG Notice 6/2001 (AA512484)

MV *BGP Explorer* is conducting a survey in an area bounded by the following positions:

9° 48'.0 S 145° 17'.0 E  
9° 59'.0 S 145° 27'.0 E  
9° 44'.0 S 145° 42'.0 E  
9° 35'.0 S 145° 32'.0 E.

**Chart temporarily affected – Aus 377 – AX 60377**

**66(T)/2011 PAPUA NEW GUINEA - Caution Bay - Harbour works**  
*Date - Until 31 January 2013*  
National Maritime Safety Authority PNG Notice 46/2010 (AA511164)

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

9° 20'.01 S 146° 58'.80 E  
9° 21'.27 S 146° 59'.22 E  
9° 21'.21 S 146° 59'.84 E  
9° 20'.58 S 146° 59'.61 E  
9° 20'.50 S 147° 00'.43 E  
9° 19'.97 S 147° 00'.23 E.

A 2M exclusion zone exists from the outside this area and a 0.25M exclusion zone exists around all vessels associated with the works.

All hazards to navigation will display appropriate lights.

Mariners are advised to navigate with caution in the area.

#### **Chart temporarily affected – Aus 379**

#### **133(T)/2011 PACIFIC OCEAN - Scientific instruments**

*Former Notice* - 1471(T)/2009 is cancelled

JAMSTEC (AA514619)

Scientific instruments, Triton buoys, exist as follows:

<i>Number</i>	<i>Position</i>
4	0° 01'.02 S 155° 57'.35 E
5	1° 58'.97 S 156° 01'.84 E
6	4° 58'.03 S 156° 01'.00 E
9	0° 01'.48 S 146° 59'.98 E.

#### **Chart temporarily affected – Aus 399 – Aus 4622 (INT 622)**

#### **283(T)/2011 AUSTRALIA - South Fiji - Light buoy withdrawn**

*Former Notice* - 134(T)/2011 is cancelled

Australian Bureau of Meteorology (AA521187)

The light buoy, *Fl. Y.2s* (26° 04'.0 S 176° 00'.0 E), has been temporarily withdrawn.

#### **Chart temporarily affected – Aus 4602 (INT 602)**

#### **322(T)/2011 PAPUA NEW GUINEA - Port Moresby to Kerema Bay - Seismic survey**

*Former Notice* - 65(T)/2011 is cancelled

*Date* - Until 30 June 2011

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

MV *BGP Prospector* is conducting a survey in an area bounded by the following positions:

8° 30'.0 S 145° 48'.0 E  
9° 00'.0 S 146° 24'.0 E  
9° 45'.0 S 147° 13'.0 E  
9° 50'.0 S 147° 08'.0 E  
8° 42'.0 S 145° 37'.0 E.

#### **Chart temporarily affected - Aus 377 - Aus 379 - Aus 505 - Aus 621 - AX 60377**

#### **429(T)/2011 PAPUA NEW GUINEA - Badila Dabobona Reef - Light beacon altered southeastwards**

*Date* - Until 31 October 2011

National Maritime Safety Authority PNG Notice 20/2011 (AA527923, AA527924)

The light beacon (10° 23'.60 S 151° 00'.77 E) has been temporarily altered to *Fl(2)10s 7m 4M*.

#### **Chart temporarily affected - Aus 508 - Aus 628**

## **EAST TIMOR**

**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.**

**119(T)/2011 EAST TIMOR - Sahul Banks - Oil field**  
Eni Australia (AA514656, AA514657)

The MV *Skandi Seven* is installing a mooring system for the Kitan oil field (10° 37'.54 S 126° 10'.03 E).

The FPSO will be installed in mid May.

**Chart temporarily affected – Aus 312 - Aus4721 (INT 721) – AX 0312F – AX 4721F**



## MISCELLANEOUS