



ADMIRALTY NOTICES TO MARINERS

Weekly Edition 6

11 February 2010

(Published on the UKHO Website 1 February 2010)

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Mariners are requested to inform the UK Hydrographic Office, Admiralty Way, Taunton, Somerset TA1 2DN immediately of the discovery of new dangers, or changes or defects in aids to navigation and of shortcomings in Admiralty charts or publications. Copies of form H 102, which is a convenient form on which to send in a report, may be obtained gratis from any Admiralty Distributor or the reproduction at the end of Section VI of the Weekly Edition of Notices to Mariners may be used. A copy of the form, which may be used as a pro forma, is also printed in the Mariner's Handbook (NP 100). Reports can also be made through the UKHO website.

In addition to postal methods, the following additional communication facilities are available:

Notices to Mariners Website	Web: www.ukho.gov.uk/msi
Searchable Notices to Mariners	Web: www.nmwebsearch.com
Urgent navigational information:	Fax: +44(0)1823 322352 Phone: +44(0)1823 353448 e-mail: navwarnings@btconnect.com
Other navigational information:	e-mail: hdcfiles@ukho.gov.uk
General enquiries:	e-mail: customerservices@ukho.gov.uk
General website	Web: www.ukho.gov.uk
Other matters:	Fax: +44(0)1823 284077

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GUIDANCE NOTES FOR THE USE OF ADMIRALTY NOTICES TO MARINERS ON THE UKHO WEBSITE

The Weekly Notices to Mariners (NM) updates for paper Charts and Publications can be accessed through the UKHO Website www.ukho.gov.uk, or the searchable NM Website www.nmwebsearch.com. The latest digital NM Weekly update is available 10 days prior to the paper publication date; there are no subscription fees for access to the UKHO Notices to Mariners Website.

NB: The NM database includes historical NM data from 1 January 2000, for NMs prior to 2000 the Cumulative List of Notices to Mariners (NP234B-00) must be used.

Software required:

Adobe Acrobat Reader (Version 6.0 or later). Reader software can be obtained direct from the Adobe website (www.adobe.com).

SEARCHABLE NOTICES TO MARINERS

Enter the www.nmwebsearch.com website and select the search option that you require following the on screen instructions:

- Search NMs by - Chart Number only
- Search NMs by - Chart Number + Previous NM Number/Year
- Search NMs by - Chart Number + Between Previous and Present Dates
- Search for Single NM by NM Number/Year

To view the NM, NM Note or full-colour NM Blocks, click on the relevant link.

NOTICES TO MARINERS ON-LINE

Enter the www.ukho.gov.uk/msi website, and then select Notices to Mariners. This will give you access to the following range of Notice to Mariners services:

- *Admiralty NM Web Search*
- *Weekly NMs*
- *NM Block, Notes and Diagrams*
- *Annual NMs*
- *Cumulative NM List*

FURTHER GUIDANCE NOTES

For further details of the online NM facilities please see the NM Guidance Notes on the website, additional detail includes:

- File content and description
- PC and printer specifications

CUSTOMER SERVICE

If you experience any difficulties, please contact the UKHO Customer Service on:

Tel: +44 (0) 1823 337900 Ext.5030

Tel Direct: +44 (0) 1823 723366

Fax: +44 (0) 1823 330561

e-mail: customerservices@ukho.gov.uk



ADMIRALTY NOTICES TO MARINERS

This Admiralty Notices to Mariners Bulletin (ANMB) is published by the UK Hydrographic Office (UKHO). The UK Maritime and Coastguard Agency accepts that both the paper and digital forms of the ANMB comply with carriage requirement for Notices to Mariners within Regulation 19.2.1.4 of the revised Chapter V of the Safety of Life at Sea Convention, and the Merchant Shipping (Safety of Navigation) Regulations, both of which came into force 1 July 2002.

While every effort is made to ensure that the data provided through the Notices to Mariners service is accurate, the user needs to be aware of the risks of corruption to data. It is important that the user should only use the data on suitable equipment and that other applications should not be running on the user's machine at the same time. Users should exercise their professional judgement in the use of data and also consult the Mariners' Handbook (NP100) for further details.

The user needs to be aware that there is a possibility that data could be corrupted during transmission, or in the process of display or printing on the user's equipment, or if converted to other software formats, and is accordingly advised that the UKHO cannot accept responsibility for any such change, or any modifications or unauthorised changes, made by licensees, or other parties.

I

EXPLANATORY NOTES

Dating

Weekly Notices are dated for the Thursday appropriate to the week that the printed version is despatched from the UKHO. They are available earlier from the UKHO website.

Charts and Positions

The notices in Section II give instructions for the updating of standard nautical charts and selected thematic charts in the Admiralty series. Geographical **positions** refer to the horizontal **datum** of the current edition of each affected chart which is stated in the notice alongside the appropriate chart number. Positions are normally given in degrees, minutes and decimals of a minute, but may occasionally quote seconds for convenience when plotting from the graduation of some older-style charts. Where **Leisure Products** are referred to different horizontal datums from the standard nautical charts for that geographical area, positions in the notices cannot be plotted directly on these products. Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward. Symbols referred to are those shown on Chart 5011. Depths and heights are given in metres or fathoms and/or feet as appropriate for the chart being updated (abbreviated where necessary to m, fm and ft respectively). Blocks and notes accompanying notices in Section II are placed towards the end of the section.

Temporary and Preliminary Notices

These are indicated by (T) or (P) after the notice number and are placed at the end of Section II. They are printed on one side of the paper in order that they may be cut up and filed. To assist in filing, the year is indicated after the notice number and an in-force list is published monthly. **Information from these notices is not included on charts before issue;** charts should be updated in pencil on receipt.

Original Information

A star adjacent to the number of a notice indicates that the notice is based on original information.

Further Guidance

The Mariner's Handbook (NP100) gives a fuller explanation of the limitations of charts and details of the UKHO policy for the promulgation and selection of navigationally significant information for charts. Details of chart updating methods can be found in NP294, "How to Keep Your Admiralty Charts Up-to-date". All users are advised to study these publications.

Lights

When a light is affected by a notice its Light List number is quoted. The detailed amendment to the List of Lights is given in Section V and may be published in an earlier edition than the chart-updating notice. The entire entry for each light amended will be printed (including minor changes) and an asterisk (*) will denote which column contains an amendment. In the case of a new light, or where a new sequence is added below the main light, an asterisk (*) will appear under **all** columns. All Section V entries are intended to be cut out and pasted into the book. It is emphasised that the List of Lights is the primary source of information on lights and that many alterations, especially those of a **temporary but operational** nature, are promulgated **only** as corrections to the List of Lights. Light positions should be regarded as approximate and are intended to indicate the relative positions of lights only. Charts should be consulted for a more authoritative position. The range of a light is normally the nominal range, except when the responsible authority quotes luminous or geographical range.

Radio Signals

When a chart-updating notice is issued for information that is also included within Admiralty List of Radio Signals, the appropriate volume reference number is quoted, followed in parentheses by the number of the Weekly Edition containing (in Section VI) the corresponding amendment to the service details.

The amendments in Section VI should be cut out and pasted into the appropriate volumes.

Sailing Directions

Amendments to Sailing Directions are given in Section IV. Those in force at the end of the year are reprinted in the Annual Summary of Admiralty Notices to Mariners Part 2 (NP 247(2)). A list of amendments in force is published in Section IV of the Weekly Edition quarterly.

For volumes of Sailing Directions maintained by Continuous Revision, amendments may be cut out and pasted/corrected directly in to the book. Alternatively, and for the remaining volumes of Sailing Directions maintained by Supplement, it is recommended that amendments are kept in a file with the latest list of amendments in force on top. The list should then be consulted when using the parent book to see if any amendments, affecting the area under consideration, are in force. It is not recommended that amendments be stuck in the parent book, or the supplement of Sailing Directions maintained by supplement.

Radio Navigational Warnings

See Note at the start of Section III.

CAUTIONARY NOTES

Updating

Updating information is published by Weekly Notices to Mariners supplemented by radio warnings for items of immediate importance. It should be borne in mind that they may be based on reports which cannot always be verified before promulgation, and that it is sometimes necessary to be selective and promulgate only the more important items to avoid overloading users; the remainder being included in revised editions of the charts and publications concerned.

Laws and Regulations

While, in the interests of the safety of shipping, the UKHO makes every endeavour to include in its publications details of the laws and regulations of all countries appertaining to navigation, it must be clearly understood:—

- (a) that no liability whatsoever can be accepted for failure to publish details of any particular law or regulation, and
- (b) that publication of the details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the international validity of the law or regulation.

Reliance on Charts and Associated Publications

While every effort is made to ensure the accuracy of the information on Admiralty charts and other publications, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge of the reliance he can place on the information given, bearing in mind his particular circumstances, local pilotage guidance and the judicious use of available navigational aids.

Charts

Charts should be used with prudence: there are areas where the source data are old, incomplete or of poor quality. The mariner should use the largest scale appropriate for his particular purpose; apart from being the most detailed, the larger scales are usually corrected first. When extensive new information (such as a new hydrographic survey) is received, some months may elapse before it can be fully incorporated in published charts. On small scale charts of ocean areas where hydrographic information is, in many cases, still sparse, charted shoals may be in error as regards position, least depth and extent. Undiscovered dangers may exist, particularly away from well-established routes.

Satellite-Derived Positions and Chart Accuracy

Mariners must not assume that charts which are referred to WGS84 Datum, or those for which shifts to WGS84 Datum are provided, have been surveyed to modern standards of accuracy. On some charts, owing to the age and quality of the source information, some of the charted detail may not be positioned accurately. In such cases mariners are advised to exercise particular caution when navigating in the vicinity of dangers, even when using an electronic positioning system such as GPS. For further details, see The Mariner's Handbook (NP100). This applies to both paper and digital (ARCS and ENC) versions of charts.

Admiralty Charts affected by the Publication List

Admiralty Chart

- 129
- 134
- 469
- 1018
- 1142
- 1183
- 1188
- 1449
- 1471
- 2123
- 2124
- 2264
- 2345
- 2437
- 2623
- 2632
- 2633
- 2832
- 3497
- 3766
- 4032
- 4033
- INT 1411
- INT 1553
- INT 1554
- INT 1561
- INT 1854
- INT 3168
- SC 129
- SC 134
- SC 1183
- SC 2345

⊙ denotes chart available in the ARCS series.

I

ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

Admiralty Charts published 11 February 2010

<i>Chart</i>	<i>Title and other remarks</i>	<i>Scale</i>	<i>Folio</i>	<i>2010 Catalogue page</i>
⊙129	England – East Coast, Whitby to Flamborough Head. <i>Fully modernised and updated throughout.</i>	1:75,000	7	26
⊙134	England – East Coast, River Tees to Scarborough. <i>Includes changes to depths from latest surveys and updates to coastline and landmarks throughout.</i>	1:75,000	7	26
⊙1018	Italy, Approaches to Stretto di Messina. <i>The horizontal datum of this chart has been transferred to WGS84 Datum.</i>	1:125,000	26	44
⊙1183 INT1561	International Chart Series, England – East Coast, Thames Estuary. <i>Includes changes to depths from the latest surveys of King's Channel, Fisherman's Gat Precautionary Area and the Northern extremity of Long Sand Head.</i> <i>Note: On publication of this New Edition former Notice 121(P)/10 is cancelled. This chart remains affected by Notices 3958(T)/09 and 3990(P)/09.</i>	1:100,000	7	24
⊙1188 INT1553	International Chart Series, England – East Coast, River Humber, Spurn Head to Immingham. Grimsby. <i>Includes changes to depths from the latest ABP Humber Port Authority surveys.</i>	1:25,000 1:10,000	7	26
⊙1449	Italy – East Coast, Porto Marghera and Porto di Malamocco. Ⓐ Porto di Malamocco. Ⓑ Darsena San Leonardo. Ⓒ Porto Marghera. <i>The horizontal datum of this chart has been transferred to WGS84 Datum.</i> <i>Note: This chart is to be deleted from the list of charts affected by Notice 3714(P)/07.</i>	 1:15,000 1:15,000 1:12,500	27	44
⊙1471	Italy, Slovenia and Croatia, Gulf of Trieste and Approaches. Porto di Monfalcone. <i>The horizontal datum of this chart has been transferred to WGS84 Datum. (The title has changed).</i>	1:100,000 1:12,500	27	44

⊙ denotes chart available in the ARCS series.

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ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

Admiralty Charts published 11 February 2010 (continued)

Chart	Title and other remarks	Scale	Folio	2010 Catalogue page
⊙2123	Sicilia – South Coast, Capo Granitola to Capo Passero. <i>The horizontal datum of this chart has been transferred to WGS84 Datum.</i>	1:300,000	24	44
⊙2124	Mediterranean Sea, Isola di Lampedusa to Capo Passero, including Malta. <i>The horizontal datum of this chart has been transferred to WGS84 Datum.</i>	1:300,000	24	44
⊙2264	Baltic Sea, Gulf of Finland, Eastern Part. Ⓐ Continuation to Vyborg. Ⓑ Traffic Lanes North of Ostrov Seskar.	1:200,000 1:200,000 1:100,000	11	36
	<i>Includes significant safety-related information as follows: a new fairway and Precautionary Areas in the approaches to Luzhskaya Guba and Ust'-Luga terminal and revised channel in the approaches to Sankt Peterburg.</i>			
	<i>Note: On publication of this New Edition former Notice 4083(T)/09 is cancelled. This chart is to be deleted from the list of charts affected by Notices 2552(P)/07, 4774(P)/07 and 4831(P)/09. This chart remains affected by Notices 3871(T)/05, 432(P)/07, 4667(T)/08, 4123(T)/09 and 535(T)/10.</i>			
⊙2437	Mediterranean Sea, Africa – North Coast, Ras Tarf to Oran. <i>The horizontal datum of this chart has been transferred to WGS84 Datum.</i>	1:300,000	24	42
⊙3497 INT1554	International Chart Series, England – East Coast, River Humber, Immingham to Humber Bridge. Ⓐ Hull Docks, Eastern Part. Ⓑ Hull Docks, Western Part. Ⓒ Immingham.	1:25,000 1:10,000 1:10,000 1:10,000	7	26
	<i>Includes changes to depths from the latest ABP Humber Port Authority surveys.</i>			
	<i>Note: This chart is to be deleted from the list of charts affected by Notice 6039(P)/09.</i>			

⊙ denotes chart available in the ARCS series.

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ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

Admiralty Charts published 11 February 2010 (continued)

Chart	Title and other remarks	Scale	Folio	2010 Catalogue page
©3766 INT1411	International Chart Series, North Sea, Denmark and Germany, Approaches to Esbjerg including Horns Rev.	1:30,000	9	32

Includes significant safety-related information as follows: details of the newly completed Horns Rev 2 wind farm. (A modified reproduction of INT1411 published by Denmark).

Note: This chart is to be deleted from the list of charts affected by Notice 185(P)/07. This chart remains affected by Notice 242(T)/10.

Admiralty Leisure Editions published 11 February 2010

Chart	Title and other remarks	Scale
SC1183 8 th Edition	International Chart Series, England – East Coast, Thames Estuary.	1:100,000

Includes changes to depths from the latest surveys of King's Channel, Fisherman's Gat Precautionary Area and the Northern extremity of Long Sand Head.

ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

ADMIRALTY CHARTS TO BE PUBLISHED 25 FEBRUARY 2010

New Editions of Admiralty Charts

Chart	Title, limits and other remarks	Scale	Charts to be WITHDRAWN	Folio
1142 INT1854	International Chart Series, Spain – North Coast, Ria de Aviles.	1:7,500	1142 INT1854	17

Includes significant safety-related information as follows: extensive changes to anchorage area and changes to lights. (A modified reproduction of INT1854 published by Spain).

Note: This new edition has not been previously announced as a chart to be published on 25 February 2010.

© denotes chart available in the ARCS series.

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ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

ADMIRALTY CHARTS TO BE PUBLISHED 4 MARCH 2010

New Admiralty Charts

Chart	Title, limits and other remarks	Scale	Charts to be WITHDRAWN	Folio
2623	India – West Coast, Mumbai Docks. 18°54'.70N. — 19°00'.0N., 72°49'.85E. — 72°53'.50E.	1:10,000	-	41
<p><i>Additional to existing chart cover, provides improved coverage of Mumbai docks. (A modified reproduction of Chart 2001 published by India). This chart is referred to WGS84 Datum.</i></p>				

New Editions of Admiralty Charts

Chart	Title, limits and other remarks	Scale	Charts to be WITHDRAWN	Folio
469 INT3168	International Chart Series, Mediterranean Sea, Spain – South East Coast, Alicante.	1:10,000	469 INT3168	25
<p><i>Includes extensive development of the port of Alicante. (A modified reproduction of INT3168, published by Spain).</i></p>				
2345	England, South Coast, Plans in South-West Cornwall.		2345	1
	Ⓐ Penzance Bay.	1:12,500		
	Ⓑ Mousehole Harbour.	1:5,000		
	Ⓒ Newlyn Harbour.	1:5,000		
	Ⓓ Penzance Harbour.	1:5,000		
	Ⓔ Longships.	1:15,000		
	Ⓕ Runnel Stone.	1:15,000		
	Ⓖ Mullion Cove.	1:5,000		
	Ⓗ Porthleven.	1:5,000		
	Ⓙ Lizard Point.	1:15,000		
<p><i>Includes changes to depths on all plans from the latest UK Government Surveys.</i></p>				
2632	Eastern Mediterranean Sea, Anamur Burnu to Al Lādhiqīyah including Northern Cyprus.	1:300,000	2632	30
<p><i>The horizontal datum of this chart has been transferred to WGS84 Datum.</i></p>				
2633	Eastern Mediterranean, Al Lādhiqīyah to Sour and Famagusta.	1:300,000	2633	30
<p><i>The horizontal datum of this chart has been transferred to WGS84 Datum. (The title has changed).</i></p>				

Ⓞ denotes chart available in the ARCS series.

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ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

ADMIRALTY CHARTS TO BE PUBLISHED 4 MARCH 2010

New Editions of Admiralty Charts (continued)

Chart	Title, limits and other remarks	Scale	Charts to be WITHDRAWN	Folio
2832	Spain – Islas Baleares, Mallorca – West Coast, Punta Salinas to Punta Beca including Isla de Cabrera. <i>The horizontal datum of this chart has been transferred to WGS84 Datum.</i>	1:120,000	2832	25
4032	Port of Singapore, Sinki Fairway. <i>Includes changes to depths from recent surveys in the approaches to VLCC Jetties, Banyan Basin, Sakra Basin, Selat Pandan, East Jurong Channel, North and West of Pulau Bukom, Selat Sinki and Selat Pauh. This chart is published jointly by the Maritime and Port Authority of Singapore and the United Kingdom Hydrographic Office.</i>	1:10,000	4032	45
4033	Port of Singapore, Tuas Bay, West Jurong Channel and Pesek Basin. <i>Includes changes to depths from recent surveys of Temasek Fairway, approaches to Tuas prohibited area, West Jurong Channel, Northern Tuas Basin, Gul Basin, Benoi Basin and East Samulun Basin. This chart is published jointly by the Maritime and Port Authority of Singapore and the United Kingdom Hydrographic Office.</i>	1:10,000	4033	45

⊙ denotes chart available in the ARCS series.

I

ADMIRALTY CHARTS AND PUBLICATIONS PERMANENTLY WITHDRAWN

Admiralty Charts

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>	<i>On publication of New Chart/New Edition</i>
129	England – East Coast, Whitby to Flamborough Head.	⊙129
134	England – East Coast, River Tees to Scarborough.	⊙134
1018	Italy, Approaches to Stretto di Messina.	⊙1018
1183 INT1561	International Chart Series, England – East Coast, Thames Estuary.	⊙1183 INT1561
1188 INT1553	International Chart Series, England – East Coast, River Humber, Spurn Head to Immingham.	⊙1188 INT1553
1449	Italy – East Coast, Porto Marghera and Porto di Malamocco.	⊙1449
1471	Italy, Slovenia and Croatia, Golfo di Trieste and Approaches.	⊙1471
2123	Sicilia – South Coast, Capo Granitola to Capo Passero.	⊙2123
2124	Mediterranean Sea, Isola di Lampedusa to Capo Passero, including Malta.	⊙2124
2264	Baltic Sea, Gulf of Finland, Eastern Part.	⊙2264
2437	Mediterranean Sea, Africa – North Coast, Ras Tarf to Oran.	⊙2437
3497 INT1554	International Chart Series, England – East Coast, River Humber, Immingham to Humber Bridge.	⊙3497 INT1554
3766 INT1411	International Chart Series, North Sea, Denmark and Germany, Approaches to Esbjerg including Horns Rev.	⊙3766 INT1411
SC1183 7 th Edition	International Chart Series, England – East Coast, Thames Estuary.	SC1183 8 th Edition

⊙ denotes chart available in the ARCS series.

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INTENTION TO WITHDRAW CHARTS

It is proposed to withdraw without replacement, the following Admiralty Charts:-

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>
SC2345 1 st Edition	England – South Coast, Plans in South-West Cornwall.

ADMIRALTY CHARTS INDEPENDENTLY WITHDRAWN

Admiralty Charts

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>
SC129 1 st Edition	England – East Coast, Whitby to Flamborough Head.
SC134 1 st Edition	England – East Coast, River Tees to Scarborough.

ADMIRALTY AVCS AND ECDIS SERVICE

The README.TXT file located within the ENC_ROOT folder on the latest Base and Update discs contains important safety related information relating to the contents of the disc.

This file is updated on a regular basis and should be consulted to ensure that all related issues are taken into consideration. The last 3 updates are identified at the start of the file.

The latest README.TXT file is also located on the UKHO website at:
www.ukho.gov.uk/ProductsandServices/ElectronicCharts/Documents/README.txt

Latest Issue Dates of the AVCS and ECDIS Base CDs is Week 3/10, 21 January 2010.

⊙ denotes chart available in the ARCS series.

I

ADMIRALTY RASTER CHART SERIES – LATEST ISSUE DATES OF REGIONAL DISCS

RC	Last issue date	Reissue Date
RC1	<i>16th July 2009</i>	
RC2	<i>30th July 2009</i>	
RC3	<i>13th August 2009</i>	<i>4th March 2010</i>
RC4	<i>19th February 2009</i>	
RC5	<i>16th October 2008</i>	<i>1st April 2010</i>
RC6	<i>19th March 2009</i>	<i>20th May 2010</i>
RC7	<i>19th November 2009</i>	
RC8	<i>5th March 2009</i>	
RC9	<i>24th April 2008</i>	<i>6th May 2010</i>
RC10	<i>3rd December 2009</i>	
RC11	<i>8th May 2008</i>	

⊙ denotes chart available in the ARCS series.

II

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645	2.28	55	702(T)/10	2.62	65
646	2.28	55	703(T)/10	2.62	65
647	2.29	55	704(T)/10	2.62	64
648	2.29	55	705(P)/10	2.51	50
649	2.29	55	706	2.23	50
650	2.30	53	707	2.43	81
651(T)/10	2.52	53	708	2.13	18
652(T)/10	2.52	53	709	2.36	90
653	2.21	36	710	2.14	17, 18
654	2.15	25	711	2.40	88
655	2.22	45	712	2.40	83
656	2.16	25	713	2.40	83
657(P)/10	2.64	81	714	2.31	64
658	2.41	81	715	2.43	81
659	2.16	27	716	2.23	47, 50
660(P)/10	2.63	88	717	2.10	0, 14, 15, 35, 82
661(P)/10	2.53	45, 46, 47, 48	718	2.40	86
662	2.36	92	719*	2.8	3
663	2.36	90	720	2.44	81
664	2.42	81	721	2.11	10
665	2.37	98	722	2.12	10
666(P)/10	2.45	40	723	2.17	29
667*	2.19	40	724	2.13	9
668	2.11	10	725	2.13	9
669	2.36	89	726	2.31	65
670	2.35	74	727	2.31	66
671	2.42	81	728	2.31	57, 59, 63, 67
672	2.42	81	729	2.33	63
673	2.11	10	730	2.33	63
674	2.16	29	731	2.33	64
675	2.16	31	732	2.34	65
676	2.17	26	733	2.35	65
677	2.22	47	734	2.35	65
678	2.38	96	735	2.35	65
679	2.38	96	736	2.17	28
680*	2.20	40	737	2.30	52

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764 MISCELLANEOUS UPDATES TO CHARTS

Source: UKHO

<i>Chart</i>	<i>Previous Update</i>	<i>Details</i>
172	5173/09	Insert accompanying note, CHART 1018: POSITIONS, centred on 38° 38'·50N., 14° 11'·00E. Amend reference in E border at latitude 38° 22'·60N.to read, Adjoining Chart 1018 (see Note – POSITIONS).
193	5608/07	Plan, Isola di Pantelleria Insert accompanying note, CHARTS 2122 AND 2123: POSITIONS, centred on 36° 51'·10N., 12° 07'·00E. Plan, Isola di Linosa Insert accompanying note, CHARTS 2123 AND 2124: POSITIONS, centred on: 35° 52'·60N., 12° 49'·33E. Plan, Isola di Lampedusa Insert accompanying note, CHART 2124: POSITIONS, centred on 35° 28'·38N., 12° 31'·46E.
194	5830/09	Delete note, CHARTS 2123 AND 2124: POSITIONS, centred on 35° 44'·10N., 13° 54'·80E.
201	7066/08	Substitute accompanying note, CHART 1471: POSITIONS, for existing note, CHART 1471- POSITIONS, centred on 44° 30'·60N., 13° 15'·90E.
204	6489/09	Amend reference to read, 1471, in positions 45° 47'·6N., 13° 45'·5E. and 45° 13'·8N., 13° 14'·0E. Substitute accompanying note, CHARTS 1467 AND 1483: POSITIONS, for existing note, CHARTS 1467, 1471 AND 1483: POSITIONS, centred on 45° 21'·0N., 15° 09'·5E.
805	404/09	Plan A, Capo and Baia di Malazzo Insert accompanying note, CHART 1018: POSITIONS, centred on 38° 19'·40N., 5° 14'·10E. Substitute accompanying note, CHART 172: POSITIONS, for existing note, CHARTS 172 and 1018: POSITIONS, centred on 38° 19'·40N., 5° 12'·90E.
917	676/10	Delete note, CHART 1018: POSITIONS, centred on 38° 07'·10N., 15° 42'·90E.
964	321/10	Insert accompanying note, CHART 2122: POSITIONS, centred on 37° 40'·40N., 12° 35'·60E.
965	2784/09	Substitute accompanying note, CHART 2123: POSITIONS, for existing note, within title panel.
992	676/10	Plan C, Approaches to Porto di Catania Delete note, CHART 1018: POSITIONS, centred on 37° 33'·05N., 15° 06'·57E.
1019	2712/08	Substitute accompanying note, CHART 1018: POSITIONS, for existing note, centred on 38° 26'·40N., 15° 54'·66E.
1184	72/10	Delete note, CHART 2122: POSITIONS, centred on 36° 41'·75N., 10° 35'·68E.
1426	6930/09	Substitute accompanying note, CHART 1471: POSITIONS, for existing note, within title panel.
1473	New Edition 24/12/2009	Plan A, Trieste Substitute accompanying note, CHART 1483: POSITIONS, for existing note, CHART 1483 AND 1471: POSITIONS, centred on 45° 38'·84N., 13° 48'·27E.
1567	817/09	Delete note, CHART 2121: POSITIONS, centred on 36° 53'·22N., 7° 43'·28E.

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764 MISCELLANEOUS UPDATES TO CHARTS (continued)

Source: UKHO

<i>Chart</i>	<i>Previous Update Details</i>	
1941	5838/09	<p>Insert accompanying note, CHART 1018: POSITIONS, centred on 36° 29′.4N., 17° 10′.8E. Amend reference in W border at latitude 36° 35′.0N. to read, Adjoining Chart 2123 (see Note – POSITIONS). Amend reference in S border at longitude 15° 20′.0E. to read, Adjoining Chart 2124 (see Note – POSITIONS). Substitute accompanying note, CHARTS 992, 2123 AND 2124: POSITIONS, for existing note, CHART 992: POSITIONS, centred on 36° 32′.4N., 17° 10′.8E. Substitute accompanying note, CHARTS 140 (Plan B), 172, 187 AND 805 (Plan C): POSITIONS, for existing note, CHARTS 140 (Plan B), 172, 187, 805 (Plan C) AND 1018: POSITIONS, centred on 36° 30′.0N., 16° 34′.0E.</p>
1976	5173/09	<p>Insert accompanying note, CHART 2122: POSITIONS, centred on 39° 17′.0N., 13° 49′.0E. Amend reference in W border at latitude 38° 05′.0N. to read, Adjoining Chart 2122 (see Note – POSITIONS). Amend reference to read, 1018, in positions 38° 38′.5N., 15° 12′.0E. and 37° 50′.5N., 15° 56′.5E. Substitute accompanying note, CHART 172: POSITIONS, for existing note, CHARTS 172 AND 1018: POSITIONS, centred on 39° 11′.8N., 13° 49′.0E.</p>
3403 INT 3216	6461/09	<p>Amend reference to read, 2124, in position 34° 57′.7N., 12° 37′.3E. Substitute accompanying note, CHART 193: POSITIONS, for existing note, CHART 193 AND 2124: POSITIONS, centred on 32° 28′.2N., 12° 50′.0E.</p>

719* SCOTLAND - Firth of Clyde - Greenock Northwards - Anchorage A5 - Foul.

Source: fpv *Minna*

Chart 1994 (INT 1636) [*previous update 3736/09*] ETRS89

Insert # 55° 58′.41N., 4° 45′.79W.

745* ENGLAND - South Coast - Whitsand Bay - Rame Head North-westwards - Maritime limit. Legend.

Source: University of Plymouth

Chart 1267 [*previous update 4628/09*] ETRS89 DATUM

Insert	maritime limit, pecked line, joining:	<p>(a) 50° 20′.00N., 4° 15′.58W. (b) 50° 19′.50N., 4° 14′.70W. (c) 50° 19′.10N., 4° 15′.05W. (d) 50° 19′.68N., 4° 16′.00W.</p>
	legend, <i>Measuring Instruments</i> , close W of:	(a)-(d) above

II

745* ENGLAND - South Coast - Whitsand Bay - Rame Head North-westwards - Maritime limit. Legend.

Chart 1613 [previous update 2073/09] ETRS89 DATUM

Insert maritime limit, pecked line, joining:

(a) 50° 20′.00N., 4° 15′.58W.
(b) 50° 19′.50N., 4° 14′.70W.
(c) 50° 19′.10N., 4° 15′.05W.
(d) 50° 19′.68N., 4° 16′.00W.

legend, *Measuring Instruments*, close W of:
(a)-(d) above

Chart 1900 [previous update 5005/09] ETRS89 DATUM

Insert maritime limit, pecked line, joining:

(a) 50° 20′.00N., 4° 15′.58W.
(b) 50° 19′.50N., 4° 14′.70W.
(c) 50° 19′.10N., 4° 15′.05W.
(d) 50° 19′.68N., 4° 16′.00W.



legend, *Measuring Instruments*, within:
(a)-(d) above

754 ENGLAND - East Coast - Sizewell Eastwards - Submarine power cable.

Source: Fluor Ltd

Note: Former Notice 3351(P)/09 is cancelled.

Chart 1504 (INT 1510) [previous update 584/10] ETRS89 DATUM

Insert submarine power cable,  , joining:

52° 12′.37N., 1° 37′.38E.(shore)
52° 12′.50N., 1° 38′.50E.
(a) 52° 12′.04N., 1° 40′.50E.
(b) 52° 08′.42N., 1° 42′.89E.
52° 06′.91N., 1° 45′.18E.
52° 06′.40N., 1° 45′.31E.
52° 05′.41N., 1° 46′.69E.
52° 04′.92N., 1° 46′.70E.
(S border)
(a)-(b) above.

legend, *Planned*, along:

II

717 NORWEGIAN SEA - Vesterålsbankene - Jennegga - Depth.

Source: ENC NO2A2820 & Norwegian Hydrographic Service

Chart 2228 [previous update 509/10] UNDETERMINED DATUM

Delete  E.D. 69° 02'·0N., 13° 50'·0E.

Chart 2328 [previous update 742/09] WGS84 DATUM

Delete  ED 69° 02'·0N., 13° 50'·0E.

Chart 2366 [previous update 296/10] WGS84 DATUM

Delete  ED 69° 02'·0N., 13° 50'·0E.

Chart 4001 [previous update 4239/09] COMPATIBLE WITH WGS84 DATUM

Delete depth 16 69° 02'·0N., 13° 50'·0E.

Chart 4004 [previous update 4594/06] COMPATIBLE WITH WGS84 DATUM

Delete depth 16 69° 02'·0N., 13° 50'·0E.

Chart 4006 [previous update New Chart 18/03/1994] COMPATIBLE WITH WGS84 DATUM

Delete depth 16 69° 02'·0N., 13° 50'·0E.

Chart 4010 (INT 10) [previous update 6569/09] COMPATIBLE WITH WGS84 DATUM


Delete  69° 02'·0N., 13° 50'·0E.

Chart 4015 [previous update 4239/09] COMPATIBLE WITH WGS84 DATUM

Delete depth 16 69° 02'·0N., 13° 50'·0E.

Chart 4100 (INT 100) [previous update 3122/07] COMPATIBLE WITH WGS84 DATUM

Delete  69° 02'·0N., 13° 50'·0E.

746 NORWAY - South Coast - Oslo Havn - Sjørøya Westwards - Buoyage.

Source: Norwegian Notice 1/26029/10

Chart 3501 [previous update 29/10] WGS84 DATUM

Insert symbol, spar buoy (green), *Fl.G.3s* (a) 59° 53'·22N., 10° 44'·61E.
Delete symbol, spar buoy (green), adjacent to: (a) above

Chart 3562 [previous update 458/10] ED50 DATUM

Insert symbol, spar buoy (green or black), *Fl.G.3s* (a) 59° 53'·25N., 10° 44'·69E.
Delete symbol, spar buoy (green or black), close SE of: (a) above

Chart 3712 (plan C, Oslo Havn) [previous update 29/10] ED50 DATUM

Insert  *Fl.G.3s* (a) 59° 53'·25N., 10° 44'·69E.
Delete  , close SE of: (a) above

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626 GERMANY - Baltic Coast - Wismar Bucht - Wohlenberger Wick - Breakwaters. Depths. Jetties. Lights. Works.

Light List Vol. C, 2009/10, 1380.2, 1380.3

Source: German Chart 1641

Chart 2359 (INT 1361) [*previous update 2761/08*] WGS84 DATUM

Insert the accompanying block, showing amendments to breakwaters, depths, jetties, lights and works, centred on: 53° 58′.27N., 11° 15′.12E.

668 LITHUANIA - Approaches to Klaipėda - Buoy. Cautionary note.

Source: Lithuanian Notice 1/1/10

Note: Former Notice 1693(T)/09 is cancelled

Chart 2276 (plan A, Klaipėda) [*previous update 6775/09*] WGS84 DATUM

Move  *Fl.G.3s No 9*, from: 55° 43′.17N., 21° 06′.30E.
to: 55° 43′.12N., 21° 06′.31E.

Chart 2276 [*previous update 6775/09*] WGS84 DATUM

Insert the accompanying note, BUOYAGE, centred on: 55° 44′.69N., 21° 06′.64E.

673 POLAND - Zalew Szczeciński - Northern Part - Kanal Piastowski - Lights.

Light List Vol. C, 2009/10, 2692.3, 2692.4

Source: Polish Notice 2/22/10

Chart 2677 (INT 1297) [*previous update 2506/09*] WGS84 DATUM

Insert  2Iso.G.4s4M 53° 49′.26N., 14° 19′.19E.

721 LATVIA - Irbe Strait - Irbe - Kolka - Radar beacons.

Light List Vol. C, 2009/10, 3478, 3474

Source: Latvian Notices 1/3-5/10

Chart 2215 [*previous update 4321/09*] WGS84 DATUM

Amend radar beacon to, Racon (K), at light 57° 48′.15N., 22° 38′.00E.

II

721 LATVIA - Irbe Strait - Irbe - Kolka - Radar beacons. (continued)

Chart 2223 [*previous update 146/10*] UNDETERMINED DATUM

Amend	radar beacon to, Racon (I), at light	57° 45′.01N., 21° 43′.43E.
	radar beacon to, Racon (K), at light	57° 48′.23N., 22° 38′.17E.

Chart 2226 [*previous update 3844/09*] WGS84 DATUM

Amend	radar beacon to, Racon (I), at light	57° 45′.15N., 21° 43′.37E.
	radar beacon to, Racon (K), at light	57° 48′.15N., 22° 38′.00E.

Chart 2816 [*previous update 155/10*] COMPATIBLE WITH WGS84 DATUM

Amend	radar beacon to, Racon (I), at light	57° 45′.1N., 21° 43′.5E.
	radar beacon to, Racon (K), at light	57° 48′.1N., 22° 38′.2E.

Chart 2817 [*previous update 558/10*] COMPATIBLE WITH WGS84 DATUM

Amend	radar beacon to, Racon (I), at light	57° 45′.3N., 21° 44′.1E.
	radar beacon to, Racon (K), at light	57° 48′.1N., 22° 38′.2E.

722 ESTONIA - Gulf of Rīga - Pärnu - Depths.

Source: ENC EE60977C

Chart 2215 (plan A, Pärnu) [*previous update 721/10*] WGS84 DATUM

Insert	depth 7 ₁ with seabed character, <i>R</i>	(a) 58° 22′.87N., 24° 28′.71E.
	depth 6 ₅	(b) 58° 22′.51N., 24° 28′.39E.
	depth 5 ₈	58° 22′.01N., 24° 27′.67E.
	depth 4 ₉ and extend 5m contour E to enclose with seabed character, <i>R</i>	58° 21′.85N., 24° 27′.44E.
Delete	depth 5 ₁ , adjacent to:	(a) above
	depth 5 ₆ , close SSW of:	(b) above

747 SWEDEN - East Coast - Kalmar - Oil Harbour - Depths.

Source: Swedish Notice 288/6067/09

Chart 2843 (INT 1224) (plan A, Kalmar and Approaches) [*previous update New Edition 21/01/2010*] WGS84 DATUM

Insert	depth 7 ₈	56° 39′.471N., 16° 22′.660E.
	depth 7 ₆	(a) 56° 39′.463N., 16° 22′.613E.
	limit of dredged area, pecked line, joining:	(b) 56° 39′.452N., 16° 22′.575E.
		(existing limit)
		56° 39′.446N., 16° 22′.642E.
		56° 39′.472N., 16° 22′.687E.
		(pecked limit)
Delete	depth 7 ₉ , close S of:	(a) above
	former limit of dredged area, pecked line, joining:	(b) above
		56° 39′.477N., 16° 22′.616E.
		56° 39′.482N., 16° 22′.646E.

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761 FINLAND - Ålands - Rannö North-eastwards - Depths.

Source: Finnish Chart 953

Chart 2297 [*previous update 558/10*] WGS84 DATUM

Insert	depth <i>I</i> ₆ enclosed by 5m contour	(a) 60° 32'·68N., 20° 17'·49E.
Delete	depth <i>I</i> ₄ , close N of:	(a) above

724 NETHERLANDS - Den Helder - Bouwdok North-eastwards - Light.

Light List Vol. B, 2009/10, 0864.5

Source: Netherlands Notice 2/57/10

Chart 126 (INT 1468) (plan, Den Helder) [*previous update 302/10*] WGS84 DATUM

Delete	★ Q.WR.9m7/5M and associated sectors	52° 57'·670N., 4° 48'·138E.
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Chart 126 (INT 1468) [*previous update 302/10*] WGS84 DATUM

Delete	★ Q.WR.9m7/5M and associated sectors	52° 57'·670N., 4° 48'·138E.
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Chart 1546 (INT 1470) (plan, Den Helder) [*previous update 302/10*] WGS84 DATUM

Delete	★ Q.WR.9m7/5M	52° 57'·670N., 4° 48'·138E.
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Chart 1546 (INT 1470) [*previous update 302/10*] WGS84 DATUM

Delete	★ Q.WR.9m7/5M and associated sectors	52° 57'·670N., 4° 48'·138E.
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725 NETHERLANDS - Maasvlakte - Yangtzehaven - Buoyage.

Source: Netherlands Notice 2/61/10

Chart 132 (INT 1475) (part A, Nieuwe Waterweg and Europoort) [*previous update 490/10*] WGS84 DATUM

Delete	 <i>Fl.Y.5s YH A6</i>	51° 58'·43N., 4° 01'·67E.
	 <i>Fl(3)Y.10s YH A4</i>	51° 58'·35N., 4° 02'·00E.
	 <i>Fl.Y.5s YH A2</i>	51° 58'·26N., 4° 02'·32E.

708 PORTUGAL - West Coast - Approaches to Leixões - Matosinhos South-westwards - Depth.

Source: Portuguese Notice 12/344/09

Chart 3258 (INT 1871) [*previous update New Edition 07/05/2009*] WGS84 DATUM

Insert		41° 09'·35N., 8° 45'·27W.
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Chart 3634 [*previous update 621/09*] ED50 DATUM

Insert		41° 09'·42N., 8° 45'·18W.
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II

710 SPAIN - North Coast - Ría del Barquero - I. Coelleira - Light.

Light List Vol. D, 2009/10, 1684

Source: Spanish Notice 2/7/10

Chart 1108 [*previous update 567/10*] ED50 DATUM

Amend light to, Fl(4)16s87m7M 43° 45′.65N., 7° 37′.60W.

Chart 1122 (plan, Ría del Barquero) [*previous update 569/10*] ED50 DATUM

Amend light to, Fl(4)16s87m7M 43° 45′.59N., 7° 37′.67W.

744 PORTUGAL - South Coast - Faro North-westwards - Quarteira South-westwards - Reported anchorage.

Source: Portuguese Notice 12/347/09

Chart 89 [*previous update 5313/09*] ED50 DATUM

Delete  37° 03′.75N., 8° 06′.55W.

625 TURKEY - Marmara Denizi - Gemlik - Gemlik Limanı - Tuzla Br. South-westwards - Jetties. Rocks. Depths. Coastline. Light. Submarine pipeline. Outfall. Works. Legends. Landmarks.

Light List Vol. E, 2009/10, 4900.6

Source: Turkish Notice 49/274/09

Chart 1006 (plan B, Gemlik) [*previous update 7024/09*] ED50 DATUM

Insert the accompanying block, showing a new jetty, rocks and amendments to depths, coastline, jetty, light, submarine pipeline, outfall, works, legends and landmarks, centred on: 40° 24′.84N., 29° 05′.23E.

II

627 ITALY - East Coast - Port of Ancona Westwards - Breakwater. Lights. Unsurveyed areas. Coastline. Reclamation area. Buoyage. Restricted area. Depths. Foul. Reported anchorage. Works. Danger line. Legends. Cautionary note.

Light List Vol. E, 2009/10, 2346, 2346.5, 2346.7, 2349

Source: Italian Chart 209 & Italian Notice 21.16/09

Note: Former Notice 4504(P)/09 is cancelled.

Chart 1444 (plan C, Ancona) [previous update 4505/09] ED50 DATUM

Insert the accompanying block A showing a new breakwater, lights, unsurveyed areas, amendments to coastline, reclamation area, buoyage, restricted area, depths, foul, reported anchorage, works, danger line and legends, centred on: 43° 37'·442N., 13° 29'·365E.


Chart 1444 (plan B, Ancona and Falconara Marittima) [previous update 4505/09] MONTE MARIO 1940 DATUM

Insert the accompanying block B showing a new breakwater, lights, unsurveyed areas, amendments to coastline, reclamation area, restricted area, foul, reported anchorage, works, danger line and legends, centred on: 43° 37'·45N., 13° 29'·08E.

Chart 1444 (plan A, Approaches to Ancona and Falconara Marittima) [previous update 4505/09] MONTE MARIO 1940 DATUM

Insert  Fl(5)Y.20s (a) 43° 49'·39N., 13° 43'·17E.

the accompanying note, OIL AND GAS FIELDS, centred on: 43° 53'·48N., 13° 23'·02E.

Delete  Fl(5)Y.20s, close NW of: (a) above

654 FRANCE - Corse - Baie d' Ajaccio, Darse d'Aspretto and Propriano - Coastline. Depth. Mooring buoys. Obstructions. Restricted areas. Rocks. Wrecks. Landmarks. Lights. Dolphin. Jetties. Works. Breakwater. Pontoons. Legends. Ground tackle.

Light List Vol. E, 2009/10, 0899.2

Source: French Chart 6851 & French Notice 49/51/09

Chart 1424 (plan, Ajaccio) [previous update 6311/09] ED50 DATUM

Insert the accompanying block A showing amendments to coastline, depth, mooring buoys, obstructions, restricted areas, rock, wreck, landmarks and light, centred on: 41° 55'·390N., 8° 45'·960E.

 Wk 41° 55'·651N., 8° 44'·690E.

 (a) 41° 55'·262N., 8° 44'·690E.

jetty, single firm line, joining: (a) above


Delete legend, Works in progress (2008), close E of: 41° 55'·271N., 8° 44'·668E. ()

Chart 1424 (plan, Propriano) [previous update 6311/09] ED50 DATUM

Insert the accompanying block B showing amendments to breakwater, coastline, jetties, light, obstructions, pontoons, rock, depths, legends and ground tackle, centred on: 41° 40'·780N., 8° 54'·175E.

II

656 FRANCE - South Coast - Gulf of Lions - Cap d'Agde Eastwards and Southwards - Fish havens.

Source: French Notice 1/33/10

Chart 1705 [*previous update 6296/09*] WGS84 DATUM

Insert



43° 14'·3N., 3° 30'·0E.

43° 16'·0N., 3° 32'·8E.

659 GREECE - West Coast - Prokólpos Pátron - Akra Glaréntza East-north-eastwards - Áyios Pandleímon - Light. Jetty.

Light List Vol. E, 2009/10, 3995.8, 3995.85

Source: Greek Notice 12/310/09

Chart 1676 [*previous update 251/10*] ED50 DATUM

Insert

★Fl.G.3s7m3M & Fl.R.3s7m3M

jetty, single firm line, joining:

(a) 37° 58'·01N., 21° 14'·19E.

(a) above

37° 57'·93N., 21° 14'·26E.(shore)

674 TURKEY - West Coast - Kuşadası - Lights.

Light List Vol. E, 2009/10, 4664.5, 4664.6

Source: Turkish Notice 2/7/10

Chart 1057 (plan, Kuşadası) [*previous update 310/10*] ED50 DATUM

Amend

light to, Fl.Y.5s8m3M

37° 51'·865N., 27° 15'·210E.

37° 51'·947N., 27° 15'·263E.

675 UKRAINE - Approaches to Berdyans'k - Podkhodnyy Kanal to Berdyans'k - Dredged areas. Legends. Dredged depth. Obstruction.

Source: Ukrainian Charts 3419 & 3702

Chart 3302 (plan, Berdyans'k) [*previous update 6310/09*] PULKOVO 1942 DATUM

Insert

limit of dredged area, pecked line, joining:

46° 44'·949N., 36° 46'·586E.(shore)

46° 44'·788N., 36° 46'·586E.

(existing limit)

legend, *Dredged to 7·6m (2009)*, centred on:

46° 44'·955N., 36° 46'·750E.

legend, *Dredged to 6·5m (2009)*, centred on:

(a) 46° 44'·925N., 36° 46'·370E.

Amend

dredged depth to, *3·9m (2009)*, centred on:

46° 45'·175N., 36° 46'·530E.

legend to, *Dredged to 6·3m (2009)*, centred on:

46° 44'·762N., 36° 46'·078E.

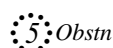
Delete

legend, *Dredged to 8·1m (2002)*, close SE of:

(a) above

Chart 3302 [*previous update 6310/09*] PULKOVO 1942 DATUM

Insert



Obstn

46° 39'·85N., 36° 39'·87E.

Amend

legend to, *Dredged to 6·3m (2009)*, centred on:

46° 41'·22N., 36° 41'·60E.

46° 37'·88N., 36° 37'·43E.

II

676 ITALY - West Coast - Stretto di Messina - Pilot boarding places.

ALRS Vol. 6(3) 2009/10: (6/10)

Source: Italian Notice 23.14/09

Note: This update has been included in a New Edition of Chart 1018 published 11 February 2010.

Chart 917 [previous update 6690/09] WGS84 DATUM

Insert	① <i>Embarkation</i>	38° 18′.20N., 15° 40′.60E. 38° 08′.90N., 15° 36′.60E.
	① <i>Disembarkation</i>	38° 17′.03N., 15° 43′.20E. 38° 08′.55N., 15° 35′.00E.
Delete	① <i>Stretto di Messina</i>	38° 19′.10N., 15° 39′.07E. 38° 09′.86N., 15° 36′.80E.
	①	38° 07′.99N., 15° 38′.38E.

Chart 992 (plan B, Reggio di Calabria) [previous update 6690/09] WGS84 DATUM

Delete	①	38° 07′.983N., 15° 38′.382E.
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723 TURKEY - İstanbul Boğazi - İstinye Southwards - Tokmak Br. - Buoyage.

Source: Turkish Notice 1/3/10

Chart 1158 [previous update 6648/09] ED50 DATUM


Insert		41° 06′.65N., 29° 03′.65E. 41° 06′.62N., 29° 03′.61E.
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Chart 1159 [previous update 4371/09] ED50 DATUM


Insert		41° 06′.65N., 29° 03′.65E. 41° 06′.62N., 29° 03′.61E.
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Chart 1198 [previous update 4371/09] ED50 DATUM

Insert		41° 06′.65N., 29° 03′.65E.
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736 GREECE - Aegean Sea Coast - Nísos Skiathos - Liménas Skiathos - Legend. Cautionary note.

Source: UKHO

Chart 1571 (plan F, Approaches to Liménas Skiathos) [previous update 6744/09] ED50 DATUM

Insert	legend, <i>See Note</i> , centred on:	39° 10′.00N., 23° 29′.95E.
	the accompanying note, RESTRICTED AREAS, centred on:	39° 06′.75N., 23° 26′.75E.

Chart 1571 (plan G, Skiathos) [previous update 6744/09] ED50 DATUM

Insert	legend, <i>Restricted Areas (see Note)</i> , centred on:	39° 09′.90N., 23° 29′.75E.
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II

752 BLACK SEA - Georgia - Approaches to Bat'umi Harbour - Depths.

Source: Turkish Chart 1402

Chart 3317 (plan C, Bat'umi) [*previous update New Edition 28/05/2009*] WGS84 DATUM

Insert	depth 17 ₅ enclosed by 20m contour	41° 39'·211N., 41° 38'·787E.
	depth 23 ₅ enclosed by 30m contour	(a) 41° 39'·137N., 41° 38'·765E.
	depth 17 ₈ and extend 20m contour N to enclose	41° 39'·059N., 41° 38'·795E.
	depth 9 ₈ enclosed by 10m contour	41° 39'·018N., 41° 38'·774E.
Delete	depth 37, close SE of:	(a) above

757 FRANCE - South Coast - Baie des Anges - Cagnes-sur-Mer South-westwards - Les Bouches du Loup Eastwards - Restricted area. Legend.

Source: French Notice 2/18/10

Chart 2246 (INT 3199) [*previous update 6376/09*] WGS84 DATUM

Insert	limit of restricted area, $\text{TTTTT} \times \text{TTTTT}$, joining:	(a) 43° 38'·59N., 7° 08'·74E.
		(b) 43° 38'·72N., 7° 08'·84E.
		(c) 43° 38'·63N., 7° 08'·99E.
		(d) 43° 38'·46N., 7° 08'·85E.
	legend, (<i>buoyed</i>), close E of:	(a)-(d) above

762 MONACO - Monte-Carlo - Approaches to Port Hercule - Auditorium Rainier III Eastwards and Avant-port - Restricted areas. Legend. Cautionary note.

Source: French Notice 2/19/10

Chart 2244 (INT 3190) [*previous update New Chart 07/12/2006*] WGS84 DATUM

Insert	limit of restricted area, TTTTT , joining:	(a) 43° 44'·196N., 7° 25'·807E. (shore)
		(b) 43° 44'·223N., 7° 25'·795E.
		(c) 43° 44'·259N., 7° 25'·852E.
		(d) 43° 44'·312N., 7° 25'·881E.
		(e) 43° 44'·330N., 7° 25'·802E. (shore)
Substitute	legend, <i>Spélugues Marine Reserve (see Note)</i> , close E of: the accompanying note, MARINE RESERVES, for existing note, LARVOTTO MARINE RESERVE, centred on:	(a)-(e) above 43° 44'·98N., 7° 23'·86E.
Delete	former limit of restricted area, TTTTT , joining:	43° 44'·34N., 7° 25'·81E. 43° 44'·24N., 7° 25'·80E.
	limit of restricted area, entry prohibited, pecked line, and associated legend, <i>Entry Prohibited</i> , joining:	43° 44'·14N., 7° 25'·63E. (★) 43° 44'·18N., 7° 25'·78E.(shore)

II

762 MONACO - Monte-Carlo - Approaches to Port Hercule - Auditorium Rainier III Eastwards and Avant-port - Restricted areas. Legend. Cautionary note. (continued)

Chart 2245 (INT 3191) [*previous update 3078/09*] WGS84 DATUM

Insert	limit of restricted area, $\uparrow\uparrow\uparrow\uparrow$, joining:	<p>(a) 43° 44'·20N., 7° 25'·81E.(shore)</p> <p>(b) 43° 44'·22N., 7° 25'·80E.</p> <p>(c) 43° 44'·26N., 7° 25'·85E.</p> <p>(d) 43° 44'·31N., 7° 25'·88E.</p> <p>(e) 43° 44'·33N., 7° 25'·80E.(shore)</p>
Substitute	<p>legend, <i>Spélugues Marine Reserve (see Note)</i>, close E of: the accompanying note, MARINE RESERVES, for existing note, LARVOTTO MARINE RESERVE, centred on:</p>	<p>(a)-(e) above</p> <p>43° 45'·62N., 7° 20'·40E.</p>
Delete	<p>former limit of restricted area, $\uparrow\uparrow\uparrow\uparrow$, joining:</p> <p>limit of restricted area, entry prohibited, pecked line, joining:</p>	<p>43° 44'·34N., 7° 25'·81E.</p> <p>43° 44'·24N., 7° 25'·80E.</p> <p>43° 44'·14N., 7° 25'·63E.(★)</p> <p>43° 44'·18N., 7° 25'·78E.(shore)</p>

667* UNITED ARAB EMIRATES - Abu Dhabi Oil Fields - Cautionary notes. Buoyage.

Source: Zakum Development Company & United Arab Emirates Boundary Affairs Council.

Chart 2442 [*previous update 6427/09*] WGS84 DATUM

Substitute	the accompanying note, OIL AND GAS FIELDS, for existing note, centred on:	25° 52'·80N., 53° 36'·50E.
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Chart 2443 [*previous update 6427/09*] WGS84 DATUM


Insert	 <i>FL.Y.5s Horn</i>	<p>25° 00'·08N., 53° 24'·43E.</p> <p>24° 58'·35N., 53° 20'·58E.</p> <p>24° 54'·50N., 53° 20'·55E.</p> <p>24° 50'·73N., 53° 22'·15E.</p> <p>24° 46'·67N., 53° 23'·92E.</p>
Substitute	the accompanying note, OIL AND GAS FIELDS, for existing note, centred on:	25° 19'·40N., 54° 08'·20E.

Chart 2444 [*previous update 6427/09*] WGS84 DATUM


Insert	 <i>FL.Y.5s Horn</i>	<p>25° 00'·08N., 53° 24'·43E.</p> <p>24° 58'·35N., 53° 20'·58E.</p> <p>24° 54'·50N., 53° 20'·55E.</p>
Substitute	the accompanying note, OIL AND GAS FIELDS, for existing note, centred on:	25° 31'·90N., 53° 38'·00E.

Chart 2886 (INT 7243) [*previous update 202/10*] WGS84 DATUM

Substitute	the accompanying note, OIL AND GAS FIELDS, for existing note, centred on:	25° 45'·5N., 50° 01'·5E.
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Chart 2887 (INT 7232) [*previous update 6427/09*] WGS84 DATUM

Insert	the accompanying note, OIL AND GAS FIELDS, centred on:	26° 52'·5N., 54° 15'·5E.
Delete	former note, OIL AND GAS FIELDS, centred on:	26° 41'·6N., 54° 40'·5E.

II

667* UNITED ARAB EMIRATES - Abu Dhabi Oil Fields - Cautionary notes. Buoyage. (continued)

Chart 2889 (INT 7211) [*previous update 364/10*] WGS84 DATUM


Insert	 <i>FLY</i>	
		25° 00′.1N., 53° 24′.4E.
		24° 58′.4N., 53° 20′.6E.
		24° 54′.5N., 53° 20′.6E.
		24° 50′.7N., 53° 22′.2E.
		24° 46′.7N., 53° 23′.9E.
	the accompanying note, OIL AND GAS FIELDS, centred on:	24° 13′.5N., 55° 29′.2E.
Delete	former note, OIL AND GAS FIELDS, centred on:	23° 59′.8N., 54° 54′.6E.

Chart 3177 [*previous update 6427/09*] WGS84 DATUM

Substitute	the accompanying note, OIL AND GAS FIELDS, for existing note, centred on:	24° 07′.70N., 54° 46′.60E.
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Chart 3178 [*previous update 1918/09*] WGS84 DATUM


Insert	 <i>FLY.5s Horn</i>	
		25° 00′.08N., 53° 24′.43E.
		24° 58′.35N., 53° 20′.58E.
		24° 54′.50N., 53° 20′.55E.
		24° 50′.73N., 53° 22′.15E.
		24° 46′.67N., 53° 23′.92E.
Substitute	the accompanying note, OIL AND GAS FIELDS, for existing note, centred on:	25° 04′.10N., 53° 38′.50E.

Chart 3179 [*previous update 59/10*] WGS84 DATUM

Substitute	the accompanying note, OIL AND GAS FIELDS, for existing note, centred on:	24° 04′.90N., 52° 31′.90E.
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Chart 3413 [*previous update 1918/09*] WGS84 DATUM

Substitute	the accompanying note, OIL AND GAS FIELDS, for the existing note, FATEH AND MUBARRAZ OILFIELDS, centred on:	within title panel.
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Chart 3950 [*previous update 202/10*] REVISED NAHRWAN DATUM

Substitute	the accompanying note, OIL AND GAS FIELDS, for existing note, centred on:	25° 51′.40N., 52° 17′.70E.
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Chart 3951 [*previous update 364/10*] REVISED NAHRWAN DATUM

Substitute	the accompanying note, OIL AND GAS FIELDS, for existing note, centred on:	24° 02′.30N., 51° 13′.00E.
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680* UNITED ARAB EMIRATES - Approaches to Abu Dhabi (Abū Zaby) - Ḥālat al Baḥrānī Northwards - Buoy. Depth.

Source: Abu Dhabi Terminals

Chart 3713 [*previous update 3047/09*] WGS84 DATUM

Insert		
Delete	depth 37, adjacent to:	(a) 24° 25′.77N., 54° 14′.75E. (a) above

II

653 INDIAN OCEAN - Comores - Ile de Mayotte, East Coast - Petite-Terre (Ile Pamandzi) North-westwards - Firing practice area. Buoy.

Source: French Notice 51/27/09 & UKHO

Chart 2756 [previous update 6488/09] WGS84 DATUM

Insert the accompanying block, showing new firing practice area, centred on: 12° 45′.40S., 45° 15′.60E.

Chart 2757 [previous update 6488/09] WGS84 DATUM

Insert the accompanying block, showing new firing practice area and amendments to a buoy, centred on: 12° 45′.40S., 45° 15′.60E.

Chart 2757 (plan A, Dzaoudzi Anchorages) [previous update 6488/09] WGS84 DATUM

Insert limit of firing practice area, pecked line, joining: 12° 46′.101S., 45° 16′.690E.
(shore)
12° 46′.095S., 45° 16′.560E.
12° 45′.300S., 45° 16′.420E.
(N border)
and
12° 46′.590S., 45° 16′.470E.
(shore)
12° 46′.476S., 45° 16′.366E.
12° 46′.320S., 45° 16′.340E.
12° 45′.982S., 45° 14′.434E.
12° 45′.600S., 45° 14′.540E.
12° 45′.300S., 45° 14′.675E.
(N border)
legend, Firing Practice Area, centred on: 12° 45′.650S., 45° 15′.800E.

753 INDIA - West Coast - Approaches to Bānkot - Wreck.

Source: Indian Notice 1/32/10

Chart 707 [previous update 258/10] WGS84 DATUM

Insert  PA 17° 58′.1N., 72° 51′.0E.

Chart 708 [previous update 260/10] UNDETERMINED DATUM

Insert  PA 17° 58′.0N., 72° 51′.1E.

Chart 1508 [previous update 595/10] INDIAN DATUM

Insert  PA 17° 58′.0N., 72° 51′.1E.

II

655 SINGAPORE - Keppel Harbour, Tanjong Pagar Terminal and Johor Strait, Tuas View North-westwards - Buoy. Depths.

Source: Maritime and Port Authority of Singapore

Chart 3833 [*previous update 392/10*] WGS84 DATUM

Move	 Fl.Y.4s TMSI 1, from:	1° 18′.27N., 103° 37′.03E.
	to:	1° 18′.08N., 103° 36′.94E.

Chart 4037 [*previous update 277/10*] WGS84 DATUM

Insert	depth 14 ₈ enclosed by 15m contour	1° 15′.666N., 103° 50′.973E.
	depth 12 ₄	1° 15′.915N., 103° 50′.746E.

Chart 4038 [*previous update 4582/09*] WGS84 DATUM

Move	 Fl.Y.4s TMSI 1, from:	1° 18′.27N., 103° 37′.05E.
	to:	1° 18′.08N., 103° 36′.94E.

Chart 4040 [*previous update 6932/09*] WGS84 DATUM



Move	 Fl.Y.4s TMSI 1, from:	1° 18′.27N., 103° 37′.05E.
	to:	1° 18′.08N., 103° 36′.94E.

628 CHINA - Bo Hai - Bayuquan and approaches - Obstructions. Coastline. Works. Depths. Harbour limits. Fairway. Light-beacons. Leading lines. Legends.

Light List Vol. F, 2009/10, 3978.9, 3978.91, 3979.18, 3979.181

Source: Chinese Chart 11522 & Chinese Notice 50/1838/09

Chart 1262 [*previous update 6210/09*] WGS84 DATUM

Insert	the accompanying block showing new obstructions and amendments to coastline, works, depths, harbour limits, fairway limit, light-beacons, leading lines and legends, centred on:	40° 18′.10N., 122° 04′.00E.
	 Obstn	40° 19′.84N., 121° 53′.21E.
	 Obstn	40° 20′.38N., 121° 54′.20E.
	depth 14 ₂	(a) 40° 15′.20N., 122° 05′.66E.
Delete	depth 10 ₅ , close NW of:	(a) above
	depth 16 ₂	40° 14′.88N., 122° 05′.67E.

677 CHINA - South Coast - Gulf of Tongking - Qinzhou Wan - Radar beacon.

ALRS Vol. 2, 2009/10: 80918 (4/10)

Source: Chinese Notice 52/1949/09

Chart 3990 [*previous update 6988/09*] UNDETERMINED DATUM

Insert	radar beacon, <i>Racon(O)</i> , at light-buoy	21° 25′.2N., 108° 38′.6E.
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II

706 CHINA - East Coast - Taiwan Strait - Xiamen Gang and Approaches - Qing Yu East-north-eastwards and Xiamen Gang South-eastwards - Legends. Automatic Identification System. Wreck.

Source: Chinese Notices 48/1811/09, 2/65/10 & 2/74/10

Chart 1767 [*previous update 346/10*] WGS84 DATUM

Amend legend to, *See NM 705(P)/10*, centred on: 24° 10′·0N., 118° 19′·2E.

Chart 3449 [*previous update 346/10*] BEIJING 1954 DATUM

Insert Automatic Identification System, *AIS*, at *No 15* light-buoy 24° 22′·17N., 118° 08′·33E.

Amend legend to, *See NM 705(P)/10*, centred on: 24° 17′·13N., 118° 10′·70E.

24° 22′·65N., 118° 07′·70E.

Delete  (*5 3*) 24° 24′·59N., 118° 05′·78E.

716 CHINA - South Coast - Hong Kong - Junk Bay, Kowloon Bay, Yau Ma Tei Anchorage Southwards, Western Dangerous Goods Anchorage and Kellett Bank - Mooring buoys.

Source: Hong Kong Notice 1/1/10

Chart 4117 [*previous update 5588/06*] WGS84 DATUM

Delete symbol, mooring buoy, *A60* 22° 17′·158N., 114° 15′·877E.

symbol, mooring buoy, *A62* 22° 17′·058N., 114° 15′·487E.

symbol, mooring buoy, *B1* 22° 18′·583N., 114° 12′·122E.

Chart 4118 [*previous update 4849/09*] WGS84 DATUM

Delete symbol, mooring buoy, *B1* 22° 18′·583N., 114° 12′·122E.

symbol, mooring buoy, *B5* 22° 17′·919N., 114° 08′·977E.

symbol, mooring buoy, *B6* 22° 17′·919N., 114° 08′·783E.

Chart 4119 [*previous update 489/10*] WGS84 DATUM

Delete symbol, mooring buoy, *B26* 22° 18′·854N., 114° 07′·431E.

symbol, mooring buoy, *A13* 22° 18′·668N., 114° 07′·309E.

symbol, mooring buoy, *B20* 22° 18′·246N., 114° 07′·100E.

symbol, mooring buoy, *Q.Y A70* 22° 17′·550N., 114° 07′·330E.

symbol, mooring buoy, *Q.Y B31* 22° 17′·550N., 114° 07′·039E.

symbol, mooring buoy, *Q.Y A76* 22° 17′·550N., 114° 06′·747E.

symbol, mooring buoy, *Q.Y A46* 22° 17′·692N., 114° 06′·514E.

Chart 4121 [*previous update 6002/09*] WGS84 DATUM

Delete symbol, mooring buoy, *Q.Y A70* 22° 17′·550N., 114° 07′·330E.

symbol, mooring buoy, *Q.Y A76* 22° 17′·550N., 114° 06′·747E.

symbol, mooring buoy, *Q.Y B31* 22° 17′·550N., 114° 07′·039E.

Chart 4122 [*previous update 489/10*] WGS84 DATUM

Delete symbol, mooring buoy, *Q.Y A46* 22° 17′·692N., 114° 06′·514E.

symbol, mooring buoy, *Q.Y A76* 22° 17′·550N., 114° 06′·747E.

symbol, mooring buoy, *Q.Y B31* 22° 17′·550N., 114° 07′·039E.

symbol, mooring buoy, *B20* 22° 18′·246N., 114° 07′·100E.

II

716 CHINA - South Coast - Hong Kong - Junk Bay, Kowloon Bay, Yau Ma Tei Anchorage Southwards, Western Dangerous Goods Anchorage and Kellett Bank - Mooring buoys. (continued)

Chart 4126 [*previous update New Edition 29/10/2009*] WGS84 DATUM

Delete symbol, mooring buoy, A60 22° 17′.16N., 114° 15′.88E.
Delete symbol, mooring buoy, A62 22° 17′.06N., 114° 15′.49E.

Chart 4129 [*previous update 489/10*] WGS84 DATUM

Delete symbol, mooring buoy 22° 18′.86N., 114° 07′.43E.
22° 18′.66N., 114° 07′.31E.
22° 18′.25N., 114° 07′.10E.
22° 17′.55N., 114° 07′.33E.
22° 17′.55N., 114° 07′.04E.
22° 17′.55N., 114° 06′.75E.
22° 17′.69N., 114° 06′.52E.

738 TAIWAN - West Coast - T'ai-Chung - Main Channel - Light.

Light List Vol. F, 2009/10, 4660.9

Source: Taiwanese Chart 60702

Chart 2618 (plan A, T'ai-chung) [*previous update 477/10*] WGS84 DATUM

Substitute ★ Fl.G.4s13m for ★ (exting) 24° 17′.33N., 120° 30′.84E.

755 SOUTH CHINA SEA - Dulang Oil Field Northwards - Platform.

Source: Malaysian Notice 12/191/09

Chart 2414 [*previous update 476/10*] UNDETERMINED DATUM

Insert  6° 19′.5N., 104° 01′.4E.

Chart 3447 [*previous update 6699/09*] WGS84 DATUM

Insert  LHDP-A 6° 19′.51N., 104° 01′.37E.

Chart 3482 (INT 550) [*previous update 476/10*] UNDETERMINED DATUM

Insert  6° 19′.5N., 104° 01′.4E.

Chart 3542 [*previous update 6384/09*] UNDETERMINED DATUM

Insert  LHDP-A 6° 19′.5N., 104° 01′.4E.

II

756 SOUTH CHINA SEA - Eastern Approaches to Singapore Strait - Wreck.

Source: Hydropac 30/10

Chart 941A [*previous update 5912/09*] UNDETERMINED DATUM

Insert  1° 23′.6N., 104° 40′.4E.

Chart 1312 [*previous update 6340/09*] UNDETERMINED DATUM

Insert  1° 23′.6N., 104° 40′.4E.

Chart 2403 [*previous update 392/10*] WGS84 DATUM

Insert  1° 23′.60N., 104° 40′.40E.

Chart 2414 [*previous update 755/10*] UNDETERMINED DATUM

Insert  1° 23′.6N., 104° 40′.4E.

Chart 2869 [*previous update 6384/09*] WGS84 DATUM

Insert  1° 23′.6N., 104° 40′.4E.

Chart 3482 (INT 550) [*previous update 755/10*] UNDETERMINED DATUM

Insert  1° 23′.6N., 104° 40′.4E.

Chart 3543 [*previous update 476/10*] REVISED KERTAUI DATUM

Insert  1° 23′.6N., 104° 40′.4E.

633 JAPAN - Honshū - North West Coast - Naoetsu - Depths. Fouls.

Source: Japanese Notice 2/43/10

Chart 1342 (plan C, Naoetsu) [*previous update 325/10*] WGS84 DATUM

Insert the accompanying block, showing amendments to depths and fouls, centred on: 37° 11′.5N., 138° 15′.4E.

634 JAPAN - Honshū - South Coast - Ise Wan - Nagoya Ko - Sections 4 and 5 - Depths. Buoyage.

Source: Japanese Notice 3/92/10

Chart JP 1055A [*previous update 6268/09*] WGS84 DATUM

Insert the accompanying block, showing amendments to depths, centred on: 35° 03′.4N., 136° 50′.3E.

Chart JP 1055B [*previous update 5033/09*] WGS84 DATUM

Insert the accompanying block, showing amendments to buoyage and depths, centred on: 34° 58′.9N., 136° 49′.9E.

II

635 JAPAN - Seto Naikai - Bisan Seto - Bisan Seto South Traffic Route and Sanagi Shima Eastwards - Depths. Coastline.

Source: Japanese Notice 3/93/10

Note: Former Notices 3791(T)/08 & 1374(T)/09 are cancelled.

Chart JP 137B [previous update 5458/09] WGS84 DATUM

Insert the accompanying block A, showing amendments to depths,
centred on: 34° 19'·4N., 133° 43'·7E.
the accompanying block B, showing amendments to depths
and coastline, centred on: 34° 20'·7N., 133° 39'·7E.

636 JAPAN - Hokkaidō - South Coast - Esan Misaki North-westwards - Osatsube - Light.

Light List Vol. M, 2009/10, 6731

Source: Japanese Notice 3/96/10

Chart JP 10 [previous update 5347/09] WGS84 DATUM

Amend range of light to, 5/2M 41° 53'·7N., 141° 00'·8E.

Chart JP 1030 [previous update 6531/09] WGS84 DATUM

Amend range of light to, 5/2M 41° 53'·7N., 141° 00'·8E.

637 JAPAN - Hokkaidō - South Coast - Shiraoi Ko North-eastwards - Light-beacons. Breakwater.

Light List Vol. M, 2009/10, 6770.5, 6770.55

Source: Japanese Notice 3/97/10

Chart JP 1030 [previous update 636/10] WGS84 DATUM

Insert ★ Bn (a) 42° 32' 50"N., 141° 22' 05"E.
(b) 42° 32' 29"N., 141° 21' 22"E.
breakwater, single firm line, joining: (a)-(b) above
Delete former ★ Bn, close SE of: (b) above

638 JAPAN - Hokkaidō - West Coast - Motta Misaki Southwards - Light.

Light List Vol. M, 2009/10, 7015

Source: Japanese Notice 3/98/10

Chart JP 11 [previous update 4047/09] WGS84 DATUM

Amend light to, F Fl R 5/2M 42° 35'·8N., 139° 49'·5E.

II

639 JAPAN - Hokkaidō - West Coast - Matsumae Ko - Light.

Light List Vol. M, 2009/10, 6691

Source: Japanese Notice 3/99/10

Chart JP 10 [*previous update 636/10*] WGS84 DATUM

Amend range of light to, 5M 41° 25' 15"N., 140° 05' 39"E.

Chart JP 11 [*previous update 638/10*] WGS84 DATUM

Amend range of light to, 5M 41° 25' 15"N., 140° 05' 39"E.

Chart JP 1195 [*previous update 5346/09*] WGS84 DATUM

Amend range of light to, 5M 41° 25' 15"N., 140° 05' 39"E.

640 JAPAN - Honshū - North West Coast - Wakasa Wan - Mihama Wan - Light.

Light List Vol. M, 2009/10, 7250.5, 7250.6

Source: Japanese Notice 3/100/10

Chart JP 139 [*previous update 6945/09*] WGS84 DATUM

Amend range of light to, 9/5M 35° 36' 48"N., 135° 53' 31"E.

641 JAPAN - Honshū - North West Coast - Wakasa Wan - Mihama Wan - Funatoshi Saki - Light.

Light List Vol. M, 2009/10, 7249

Source: Japanese Notice 3/101/10

Chart JP 139 [*previous update 640/10*] WGS84 DATUM

Amend range of light to, 14M 35° 42' 12"N., 135° 57' 23"E.

642 JAPAN - Honshū - North West Coast - Tsuruga Wan - Tsuruga Ko - Breakwater.

Source: Japanese Notice 3/102/10

Chart JP 139 [*previous update 641/10*] WGS84 DATUM

Substitute breakwater, single firm line for breakwater, single pecked line,
joining: 35° 40' 46"N., 136° 03' 30"E.
35° 40' 46"N., 136° 03' 40"E.
(existing breakwater)

643 JAPAN - Honshū - North West Coast - Wakasa Wan - Echizen Misaki North-eastwards - Light.

Light List Vol. M, 2009/10, 7241

Source: Japanese Notice 3/103/10

Chart JP 139 [*previous update 642/10*] WGS84 DATUM

Amend range of light to, 9M 30° 05' 00"N., 136° 01' 07"E.

II

**644 JAPAN - Honshū - North West Coast - Toyama Wan - Fushiki-Toyama Ko - Wave recorder.
Submarine cable.**

Source: Japanese Notice 3/104/10

Chart JP 120 [*previous update 6119/09*] WGS84 DATUM

Insert  *Wave Meter* (a) 36° 46' 40"N., 137° 12' 18"E.
submarine cable, , joining:
(a) above
36° 45' 32.6"N., 137° 12' 25.5"E.
(shore)

Chart 1342 (plan D, Toyama) [*previous update 633/10*] WGS84 DATUM



Insert  *Wave recorder* (a) 36° 46' 67N., 137° 12' 30E.
submarine cable, , joining:
(a) above
36° 46' 25N., 137° 12' 35E.
36° 45' 61N., 137° 12' 39E.
36° 45' 54N., 137° 12' 43E. (shore)

Chart 1347 [*previous update 6119/09*] WGS84 DATUM

Insert  *Wave recorder* (a) 36° 46' 67N., 137° 12' 30E.
submarine cable, , joining:
(a) above
36° 45' 54N., 137° 12' 43E. (shore)

645 JAPAN - Honshū - North West Coast - Naoetsu Ko - Lights.

Light List Vol. M, 2009/10, 7124, 7125

Source: Japanese Notice 3/105/10

Chart JP 120 [*previous update 644/10*] WGS84 DATUM

Delete ★ F Fl (2) R 8s 10/6M 37° 12' 30"N., 138° 15' 25"E.

Chart JP 1180 [*previous update 4511/09*] WGS84 DATUM

Amend light to, Fl R 4s 7M 37° 13' 40.6"N., 138° 16' 31.5"E.
Delete ★ F Fl (2) R 8s 10/6M 37° 12' 30"N., 138° 15' 25"E.

Chart 1342 (plan C, Naoetsu) [*previous update 644/10*] WGS84 DATUM

Delete ★ FF1(2)R.8s22m7/12M 37° 12' 50N., 138° 15' 41E.

646 JAPAN - Honshū - North West Coast - Yoneyama Saki - Light.

Light List Vol. M, 2009/10, 7121

Source: Japanese Notice 3/106/10

Chart JP 1180 [*previous update 645/10*] WGS84 DATUM

Delete ★ Oc (2) 7s 95m 14M 37° 19' 4N., 138° 26' 3E.

II

647 JAPAN - Honshū - North Coast - Oma Saki Northwards - Benten Shima - Light.

Light List Vol. M, 2009/10, 6634.5

Source: Japanese Notice 3/107/10

Chart JP 10 [*previous update 639/10*] WGS84 DATUM

Amend light to, Fl (3) 18s 36m 12M 41° 33' 17"N., 140° 54' 42"E.

Chart JP 1030 [*previous update 637/10*] WGS84 DATUM

Amend light to, Fl (3) 18s 36m 12M 41° 33' 17"N., 140° 54' 42"E.

Chart JP 1195 [*previous update 639/10*] WGS84 DATUM

Amend light to, Fl (3) 18s 36m 12M 41° 33' 17"N., 140° 54' 42"E.

Chart 1800 [*previous update 6531/09*] WGS84 DATUM

Amend light to, Fl(3)18s12M 41° 33'·3N., 140° 54'·7E.

Chart 2293 [*previous update 70/10*] WGS84 DATUM

Amend range of light to, 12M 41° 33'·3N., 140° 54'·7E.

648 JAPAN - Honshū - North Coast - Oma Saki South-eastwards - Light.

Light List Vol. M, 2009/10, 6633.9

Source: Japanese Notice 3/108/10

Chart JP 10 [*previous update 647/10*] WGS84 DATUM

Amend range of light to, 3M 41° 30'·3N., 140° 58'·2E.

Chart JP 1030 [*previous update 647/10*] WGS84 DATUM

Amend range of light to, 3M 41° 30'·3N., 140° 58'·2E.

649 JAPAN - Honshū - East Coast - Shiriya Saki Southwards - Fish havens.

Source: Japanese Notice 3/109/10

Chart JP 10 [*previous update 648/10*] WGS84 DATUM

Insert  41° 21' 36"N., 141° 26' 55"E.
41° 19' 32"N., 141° 26' 18"E.
41° 17' 43"N., 141° 25' 48"E.
41° 15' 57"N., 141° 25' 13"E.

Chart JP 53 [*previous update 3188/09*] WGS84 DATUM




Insert  41° 21' 36"N., 141° 26' 55"E.
41° 19' 32"N., 141° 26' 18"E.
41° 17' 43"N., 141° 25' 48"E.
41° 15' 57"N., 141° 25' 13"E.

II

**650 JAPAN - Honshū - South Coast - Ise Wan - Nagoya Ko - Sections 1 and 4 - West Passage - Buoyage.
Light-beacon.**

Light List Vol. M, 2009/10, 6115.4, 6116
Source: Japanese Notice 3/111/10

Chart JP 1055A [*previous update 634/10*] WGS84 DATUM

Insert	 <i>Fl G 3s No 15</i>	35° 01' 19.8"N., 136° 49' 58.8"E.
Substitute	 (<i>G Lt</i>) for  <i>Fl G 3s</i>	35° 05' 08"N., 136° 52' 16"E.
Delete	symbol, light-beacon with topmark, Fl G 3s 4M and associated radar reflector	35° 01' 20"N., 136° 49' 19"E.

737 KOREA - West Coast - Inch'ŏn - Chagyakto - Light.

Light List Vol. M, 2009/10, 4176
Source: Korean Notice 1/17/10

Chart 1270 (INT 5363) [*previous update 6899/09*] WGS84 DATUM

Amend	light to, Fl.10s54m17M	37° 29'·84N., 126° 35'·42E.
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Chart 3642 (INT 5364) [*previous update 6668/09*] WGS84 DATUM

Amend	light to, Fl.10s54m17M	37° 29'·83N., 126° 35'·39E.
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743 KOREA - West Coast - Tŏkchŏk Kundo Westwards, Taech'ŏng Gundo and Haeju Man - Taech'ŏng Do Westwards and Sosuap To - Wrecks. Light.

Light List Vol. M, 2009/10, 4141
Source: Korean Chart 328 & Korean Notices 1/26-27/10

Chart 1257 [*previous update 241/08*] WGS84 DATUM

Insert	 <i>Wk</i>	37° 49'·61N., 124° 36'·52E.
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Chart 1258 [*previous update 5933/09*] WGS84 DATUM

Insert	 <i>Wk</i>	37° 06'·05N., 125° 00'·67E.
	 <i>Wk</i>	37° 07'·43N., 125° 09'·88E.
	 <i>Wk</i>	37° 08'·23N., 124° 52'·65E.
	 <i>Wk</i>	37° 11'·10N., 125° 06'·21E.
	 <i>Wk</i>	37° 49'·61N., 124° 36'·52E.
Delete	 <i>Wk</i>	37° 23'·15N., 124° 43'·15E.
	★ Fl(4)9s10M	37° 50'·00N., 125° 45'·00E.

II

714 AUSTRALIA - Western Australia - Barrow Island North-westwards - Well.

Source: UKHO

Note: *Certain Copies Only*

Chart 4708 (INT 708) [*previous update 4382/09*] COMPATIBLE WITH WGS84 DATUM


Substitute depth 1308 enclosed by danger line, *Well* for depth 1380 enclosed by danger line, *Well* 19° 51′.1S., 114° 30′.9E.


726 AUSTRALIA - Victoria - Port Phillip - Capel Sound - Rosebud North-westwards - Restricted area. Depth.

Source: UKHO

Note: Legend, *Historic Wk* (*see Note*), remains unchanged.

Chart Aus 143 [*previous update 120/10*] WGS84 DATUM

Delete circular limit of restricted area, , centred on: (a) 38° 20′.48S., 144° 52′.22E.

Substitute  for depth 97, adjacent to: (a) above

727 AUSTRALIA - Queensland - Whitsunday Group - South Channel - Bird Island South-eastwards - Light-beacon.

Light List Vol. K, 2009/10, 3066.81

Source: Australian Notice 1/31/10

Chart Aus 252 [*previous update 111/10*] WGS84 DATUM

Move  Q(6)+LFl.15s, from: 20° 05′.73S., 148° 52′.60E.
to: 20° 05′.79S., 148° 52′.59E.

728 PAPUA NEW GUINEA - Bismarck Sea - Cape Gourdon North-eastwards to Barn Island Northwards - Depths.

Source: Australian Notice 1/32/10

Chart Aus 388 [*previous update 198/10*] WGS84 DATUM

Insert	depth 386 enclosed by 500m contour	3° 32′.5S., 144° 50′.5E.
	depth 886 enclosed by 1000m contour	3° 31′.9S., 144° 55′.5E.
	depth 708 enclosed by 1000m contour	3° 31′.5S., 144° 57′.4E.
	depth 838	(a) 4° 13′.3S., 145° 20′.8E.
	depth 363 enclosed by 500m contour	4° 19′.1S., 145° 28′.5E.
Substitute	depth 740 for depth 776	3° 25′.8S., 144° 47′.8E.
Delete	depth 952, close NE of:	(a) above
	depth 850, close NW of:	(a) above

II

728 PAPUA NEW GUINEA - Bismarck Sea - Cape Gourdon North-eastwards to Barn Island Northwards - Depths. (continued)

Chart Aus 462 [*previous update 149/10*] UNDETERMINED DATUM

Insert	depth 211	(a)	3° 32′.5S., 144° 50′.5E.
	depth 387	(b)	3° 31′.5S., 144° 57′.4E.
	depth 458	(c)	4° 13′.3S., 145° 20′.8E.
Substitute	depth 404 for depth 424		3° 25′.9S., 144° 47′.9E.
Delete	depth 287, adjacent to:	(a)	above
	depth 986, close ESE of:	(b)	above
	depth 465, adjacent to:	(c)	above

Chart 4052 (INT 52) [*previous update 149/10*] COMPATIBLE WITH WGS84 DATUM

Insert	depth 363		4° 19′.2S., 145° 28′.5E.
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Chart 4060 (INT 60) [*previous update 149/10*] COMPATIBLE WITH WGS84 DATUM

Insert	depth 363	(a)	4° 19′.2S., 145° 28′.5E.
Delete	depth 732, close SE of:	(a)	above

Chart 4507 (INT 507) [*previous update 149/10*] COMPATIBLE WITH WGS84 DATUM


Insert	depth 363	(a)	4° 19′.2S., 145° 28′.5E.
Substitute	depth 386 enclosed by 1000m contour for 		3° 32′.5S., 144° 50′.5E.
Delete	depth 732, close SE of:	(a)	above

Chart 4603 (INT 603) [*previous update 149/10*] COMPATIBLE WITH WGS84 DATUM

Insert	depth 363	(a)	4° 19′.2S., 145° 28′.5E.
Substitute	depth 386 enclosed by 500m contour for depth 525 enclosed by 1000m contour		3° 32′.5S., 144° 50′.5E.
Delete	depth 732, close SE of:	(a)	above

Chart 4622 (INT 622) [*previous update 149/10*] COMPATIBLE WITH WGS84 DATUM

Insert	depth 708 enclosed by 1000m contour		3° 31′.5S., 144° 57′.4E.
	depth 363		4° 19′.2S., 145° 28′.5E.
Substitute	depth 740 enclosed by 1000m contour for depth 776 enclosed by 1000m contour		3° 25′.9S., 144° 47′.9E.
	depth 386 enclosed by 500m contour for depth 525 enclosed by 1000m contour		3° 32′.5S., 144° 50′.5E.

II

729 AUSTRALIA - Western Australia - Port Walcott to Mermaid Sound - Point Samson Northwards, Flying Foam Passage and Delambre Island Westwards - Historic wreck. Cautionary note.
Depths.

Source: Australian Notices 1/35 & 36/10

Chart Aus 55 [*previous update 114/10*] WGS84 DATUM


Insert	 <i>Historic Wk (see Note)</i>	20° 37'·47S., 117° 11'·87E.
	the accompanying note, HISTORIC WRECK, centred on:	20° 34'·75S., 117° 01'·80E.
Substitute	2 ₇ enclosed by 5m contour <i>Rep (1981)</i> for 2 ₇ enclosed by 5m contour	20° 27'·02S., 117° 00'·50E.

Chart Aus 56 [*previous update 5814/09*] WGS84 DATUM

Insert	 <i>Historic Wk (see Note)</i>	20° 37'·467S., 117° 11'·867E.
	the accompanying note, HISTORIC WRECK, centred on:	20° 37'·782S., 117° 10'·135E.

Chart Aus 57 [*previous update New Chart 13/02/2009*] WGS84 DATUM

Insert	depth 4 ₉ enclosed by 5m contour	20° 30'·93S., 116° 48'·29E.
	depth 2 ₃ enclosed by approximate 5m contour, <i>Rep (1981)</i>	20° 27'·02S., 117° 00'·51E.

730 AUSTRALIA - Western Australia - Dampier Archipelago Northwards - Cossack Pioneer South-eastwards - Mooring buoy.

Source: Australian Notice 1/37/10

Chart Aus 327 [*previous update 6272/09*] AUSTRALIAN GEODETIC DATUM


Delete	symbol, yellow mooring buoy	19° 37'·6S., 116° 30'·7E.
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731 AUSTRALIA - Western Australia - Cockburn Sound - Success Bank to Woodman Point Northwards - Light-beacon. Mooring buoys.

Light List Vol. K, 2009/10, 1771.76

Source: Australian Notice 1/39/10

Chart Aus 117 [*previous update 6720/09*] WGS84 DATUM

Insert	 Q(9)15s3M	32° 05'·19S., 115° 43'·86E.
Delete	symbol, mooring buoy	(a) 32° 07'·76S., 115° 44'·60E.
	symbol, mooring buoy, close E of:	(a) above
	symbol, mooring buoy, close W of:	(a) above

II

732 AUSTRALIA - South Australia - Spencer Gulf - Buffalo Reef - Marine farms. Depths.

Source: Australian Notice 1/42/10

Chart Aus 343 [*previous update 4640/09*] AUSTRALIAN GEODETIC DATUM


Insert		<p>34° 42'·5S., 136° 30'·8E.</p> <p>(a) 34° 44'·3S., 136° 27'·9E.</p> <p>34° 44'·5S., 136° 23'·2E.</p> <p>34° 44'·0S., 136° 31'·9E.</p>
Delete	depth 20 ₃ enclosed by 30m contour, close SW of:	(a) above

Chart Aus 345 [*previous update 323/09*] UNDETERMINED DATUM


Insert		<p>(a) 34° 44'·4S., 136° 23'·3E.</p> <p>(b) 34° 44'·2S., 136° 28'·0E.</p> <p>34° 42'·4S., 136° 30'·9E.</p> <p>(c) 34° 43'·9S., 136° 32'·0E.</p>
Delete	<p>depth 22, close W of:</p> <p>depth 11 enclosed by 20fm contour, close SW of:</p> <p>depth 22, close WNW of:</p> <p>depth 23, close NE of:</p> <p>depth 23, close NW of:</p>	<p>(a) above</p> <p>(b) above</p> <p>(b) above</p> <p>(b) above</p> <p>(c) above</p>

Chart Aus 444 [*previous update 323/09*] UNDETERMINED DATUM



Insert		<p>(a) 34° 44'·4S., 136° 23'·3E.</p> <p>(b) 34° 44'·2S., 136° 28'·0E.</p> <p>(c) 34° 43'·9S., 136° 32'·0E.</p> <p>(d) 34° 42'·4S., 136° 30'·9E.</p>
Delete	<p>depth 23, close SE of:</p> <p>depth 21, close NW of:</p> <p>depth 20, close NE of:</p> <p>depth 24, close NE of:</p> <p>depth 22, close W of:</p>	<p>(a) above</p> <p>(b) above</p> <p>(b) above</p> <p>(c) above</p> <p>(d) above</p>

Chart Aus 776 [*previous update 4507/08*] WGS84 DATUM

Insert		<p>34° 44'·40S., 136° 23'·30E.</p> <p>34° 43'·90S., 136° 32'·00E.</p>
	maritime limit, pecked line, joining:	<p>(a) 34° 44'·13S., 136° 26'·05E.</p> <p>(b) 34° 44'·40S., 136° 26'·05E.</p> <p>(c) 34° 44'·35S., 136° 29'·98E.</p> <p>(d) 34° 44'·08S., 136° 29'·98E.</p> <p>and</p> <p>(e) 34° 42'·30S., 136° 29'·60E.</p> <p>(f) 34° 42'·57S., 136° 29'·60E.</p> <p>(g) 34° 42'·53S., 136° 32'·22E.</p> <p>(h) 34° 42'·27S., 136° 32'·22E.</p>
	legend, <i>Marine farm</i> (see Note), within:	<p>(a)-(d) above</p> <p>(e)-(h) above</p>
Delete	<p>depth 42, close E of:</p> <p>depth 42, close W of:</p>	<p>(b) above</p> <p>(c) above</p> <p>(h) above</p>

II

733 AUSTRALIA - South Australia - Spencer Gulf - Port Broughton North-westwards - Light-beacons. Beacon.

Light List Vol. K, 2009/10, 1970
Source: Australian Notice 1/43/10

Chart Aus 778 [*previous update 3179/09*] WGS84 DATUM

Substitute	 Fl.5s9M for 	(a) 33° 33'·64S., 137° 52'·73E.
Delete	 Fl.5s6m9M, close SW of:	(a) above

734 AUSTRALIA - Tasmania - River Derwent - Hobart - Kangaroo Bluff South-eastwards - Buoyage.

Source: Australian Notice 1/45/10

Chart Aus 171 [*previous update 410/10*] WGS84 DATUM

Amend	<i>BYC1</i> light-buoy to, <i>Q</i>	42° 53'·35S., 147° 22'·35E.
	<i>BYC2</i> light-buoy to, <i>Q.Y.</i>	42° 53'·90S., 147° 22'·85E.

Chart Aus 172 [*previous update 409/10*] WGS84 DATUM

Amend	<i>BYC 1</i> light-buoy to, <i>Q</i>	42° 53'·35S., 147° 22'·35E.
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735 AUSTRALIA - South Australia - Bass Strait - Yolla A Westwards - Obstruction. Depth.

Source: Australian Notice 1/46/10

Chart Aus 487 [*previous update 408/10*] WGS84 DATUM

Insert	 <i>Obstn</i>	(a) 39° 53'·1S., 145° 22'·2E.
Delete	depth 70, close SE of:	(a) above

759 NEW ZEALAND - North Island - East Coast - Whangarei Harbour - Hatea River - Kissing Point Southwards - Buoyage.

Source: New Zealand Notice 2/25/10

Chart NZ 5215 [*previous update 6318/09*] WGS84 DATUM

Insert	 <i>Fl.G.2s No.K29</i>	35° 44'·65S., 174° 20'·97E.
	 <i>Fl.G.2s No.K31</i>	35° 44'·71S., 174° 20'·97E.

670 NORTH PACIFIC OCEAN - Hawaiian Islands - Oahu Island - Kaneohe Bay - Kealohi Point Southwards - Light.

Light List Vol. G, 2009/10, 7325.5
Source: US Coast Guard District 14 LNM 53/19359/09

Chart 1378 [*previous update 153/10*] WGS84 DATUM

Amend	light to, Iso.R.6s	21° 25'·90N., 157° 48'·46W.
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II

758 SOUTH PACIFIC OCEAN - Fiji Islands - Nanuku Passage - Wailagilala - Radar beacon.

Light List Vol. K, 2009/10, 4752

ALRS Vol. 2, 2009/10: 88520 (30/09)

Source: New Zealand Notice 2/27/10

Chart 4638 (INT 638) [*previous update 6756/09*] COMPATIBLE WITH WGS84 DATUM

Delete radar beacon, Racon(W) 3cm, at light 16° 44'·7S., 179° 06'·4W.

662 UNITED STATES OF AMERICA - Alaska - Prince William Sound - Prince of Wales Passage - Fleming I Southwards. - Depth.

Source: US Chart 16702

Chart 4979 [*previous update 4749/09*] NAD83 DATUM

Substitute depth 1 enclosed by 10fm contour for depth 2¼ enclosed by 10fm contour 60° 08'·32N., 148° 02'·24W.

663 UNITED STATES OF AMERICA - West Coast - Washington - Fidalgo Bay - Cap Sante Southwards - Light.

Light List Vol. G, 2009/10, 5048.8

Source: US Chart 18423

Chart 80 [*previous update 6925/09*] NAD83 DATUM

Amend light to, Fl.R.6s '6' 48° 30'·15N., 122° 36'·02W.

669 UNITED STATES OF AMERICA - West Coast - California - Navarro Canyon - Navarro Head Westwards - Depths.

Source: NOS

Chart 3120 [*previous update 3277/09*] UNDETERMINED DATUM

Insert depth 2₃ with seabed character, *R* (a) 39° 12'·56N., 123° 46'·88W.
depth 9 and extend 10fm contour W to enclose with seabed character, *R* (b) 39° 11'·80N., 123° 46'·90W.
Delete depth 8, adjacent to: (a) above
depth 27, close W of: (b) above

709 UNITED STATES OF AMERICA - West Coast - Washington - Strait of Georgia - Semiahmoo Bay Eastwards - Blaine - Light.

Light List Vol. G, 2009/10, 5149

Source: US Chart 18423

Chart 4952 [*previous update 6379/09*] NAD83 DATUM

Insert ☆ Fl.R.2-5s7m4M '2' 48° 59'·46N., 122° 45'·92W.

II

748 UNITED STATES OF AMERICA - West Coast - Oregon - Willamette River - Ross Island South-westwards and Southwards - Obstructions. Depths.

Source: US Coast Guard District 13 LNM 2/18528/10

Chart 2849 (Panel B) [*previous update 429/10*] NAD83 DATUM

Insert	 <i>Obstn</i>	(a) 45° 29'·22N., 122° 40'·12W.
	 <i>Obstn</i>	(b) 45° 29'·05N., 122° 40'·11W.
	 <i>Obstn</i>	45° 28'·60N., 122° 39'·85W.
Delete	depth 43, adjacent to: depth 14, close SE of:	(a) above (b) above

749 UNITED STATES OF AMERICA - West Coast - California - Suisun Bay - Channel depths.

Source: NOS

Chart 590 [*previous update 453/10*] NAD83 DATUM

Substitute	the accompanying table, CHANNEL DEPTHS (Suisun Bay), for existing table, centred on:	37° 57'·4N., 122° 17'·4W.
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665 CHILE - Northern Coasts - Penla Los Molles Northwards - Depths.

Source: Chilean Chart 4323 & UKHO

Chart 4235 [*previous update 6064/09*] PSAD56 DATUM

Insert	depth 74 and extend 100m contour NW to enclose depth 47	32° 39'·1S., 71° 33'·7W. (a) 32° 40'·4S., 71° 32'·3W.
Delete	depth 71, adjacent to:	(a) above

751 CHILE - Northern Coasts - Arica - Jetty.

Source: Chilean Notice 11/103/2009

Chart 4217 [*previous update New Chart 07/06/2007*] WGS84 DATUM

Insert	jetty, single firm line, joining:	18° 28'·50S., 70° 19'·56W.(shore)
		18° 28'·47S., 70° 19'·53W.
	jetty, double firm line, width 50m, joining:	18° 28'·46S., 70° 19'·54W.
		18° 28'·40S., 70° 19'·43W.

II

678 ARGENTINA - Golfo San Jorge - Cabo Dos Bahias South-eastwards and Cabo Aristizábal North-eastwards - Isote Viana and Cabo Blanco South-eastwards - Banco Ana - Legend. Depth. Light.

Source: Argentine Chart H-310

Chart 1302 [*previous update 6635/09*] UNDETERMINED DATUM

Insert legend, *Breakers*, centred on: 47° 15′.10S., 65° 31′.70W.

Chart 3067 [*previous update 2651/09*] UNDETERMINED DATUM

Insert depth 28 44° 59′.5S., 65° 19′.1W.

Chart 3106 [*previous update 6634/09*] UNDETERMINED DATUM

Delete ★ Fl.R.5s8M 45° 11′.7S., 66° 24′.0W.

679 ARGENTINA - Punta Nava Eastwards and Cabo Guardian South-eastwards to Cabo Dañoso and Puerto San Julián Eastwards - Cabo Curioso to Puerto Santa Cruz and Puerto Gallegos - Depths. Fouls. Rock.

Source: Argentine Charts H317 & H413

Chart 558 [*previous update 3198/07*] UNDETERMINED DATUM

Insert depth 22 48° 55′.9S., 66° 49′.9W.

Chart 1302 [*previous update 678/10*] UNDETERMINED DATUM

Insert # PA 47° 02′.60S., 66° 18′.60W.
 + 48° 24′.75S., 66° 18′.60W.
 # 48° 28′.55S., 66° 12′.40W.

Chart 2505 [*previous update 6990/09*] UNDETERMINED DATUM

Insert depth 42 48° 55′.9S., 66° 49′.9W.

Chart 2517 [*previous update 5823/09*] COMPATIBLE WITH WGS84 DATUM

Substitute depth 42 enclosed by 50m contour for depth 51 48° 55′.9S., 66° 49′.9W.

Chart 3106 [*previous update 678/10*] UNDETERMINED DATUM

Insert # PA 47° 02′.6S., 66° 18′.6W.
 + 48° 24′.7S., 66° 18′.6W.
 # 48° 28′.5S., 66° 12′.4W.
 depth 10₅ (a) 49° 06′.00S., 67° 27′.00W.
 depth 25 (b) 49° 19′.00S., 67° 23′.00W.
 Substitute depth 22 with seabed character, f.S, for depth 28 with seabed character, f.S 48° 55′.9S., 66° 49′.7W.
 Delete depth 20, adjacent to: (a) above
 depth 36, close NNE of: (b) above

II

679 ARGENTINA - Punta Nava Eastwards and Cabo Guardian South-eastwards to Cabo Dañoso and Puerto San Julián Eastwards - Cabo Curioso to Puerto Santa Cruz and Puerto Gallegos - Depths. Fouls. Rock.

Chart 3107 [*previous update 6687/09*] UNDETERMINED DATUM

Insert	depth 10 ₅	(a) 49° 06′.00S., 67° 27′.00W.
	depth 25	(b) 49° 19′.00S., 67° 23′.00W.
	depth 3 ₃ and extend 6fm contour E to enclose	(c) 49° 29′.10S., 67° 36′.40W.
	#	50° 09′.00S., 67° 57′.60W. 50° 11′.90S., 68° 11′.30W. 51° 27′.00S., 68° 50′.90W. 51° 28′.50S., 68° 52′.80W.
	# PA	50° 13′.20S., 68° 22′.00W. 51° 25′.20S., 68° 54′.70W.
Delete	depth 20, close SE of:	(a) above
	depth 36, close NNE of:	(b) above
	depth 8 ₃ , close SSE of:	(c) above

760 BRAZIL - South Coast - Tramandai Eastwards and Torres Eastwards - Wreck. Restricted area. Cautionary note.

Source: ENC BR323400

Chart 3969 (plan, Tramandai) [*previous update 4857/09*] CÓRREGO ALEGRÉ-MINAS GERAIS DATUM

Insert	++	30° 00′.65S., 49° 57′.02W.
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Chart 3969 [*previous update 4857/09*] CÓRREGO ALEGRÉ-MINAS GERAIS DATUM

Insert	++	30° 00′.6S., 49° 57′.0W.
	limit of restricted area, pecked line, joining:	(a) 29° 19′.4S., 49° 42′.5W. (b) 29° 23′.6S., 49° 45′.2W. (c) 29° 25′.3S., 49° 39′.3W. (d) 29° 20′.0S., 49° 37′.7W.
	legend, <i>Restricted Area</i> (see Note), close E of:	(a)-(d) above
Substitute	the accompanying note, RESTRICTED AREA-NATURE RESERVE, for existing note, centred on:	29° 06′.0S., 50° 35′.0W.

624 WEST INDIES - Leeward Islands - Guadeloupe - Basse-Terre - Saint François South-westwards - Dolphin. Coastline. Depths. Light.

Light List Vol. Vol J, 2009/10, 5706

Source: French Chart 3127

Chart 491 (plan A, Basse-Terre) [*previous update 215/10*] WGS84 DATUM

Insert	accompanying block, showing a new dolphin and amendments to coastline, depths and light, centred on:	15° 59′.72N., 61° 44′.06W.
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II

711 PANAMA - Panama Canal - Bordada Buena Vista and Islas Las Brujas Southwards - Depth. Submarine cable.

Source: US Chart 21604

Chart 3098 (Plan A) [*previous update 6666/09*] WGS84 DATUM

Insert	depth 10_2	9° 12′.49N., 79° 54′.89W.
	submarine cable, joining:	9° 10′.14N., 79° 49′.60W.
		9° 10′.12N., 79° 49′.32W.

712 UNITED STATES OF AMERICA - Gulf of Mexico - Louisiana - Mississippi River-Gulf Outlet South-eastwards - Dredged depth. Wreck.

Source: US Coast Guard District 8 LNM 2/11363/10 & NOS

Chart 3858 [*previous update 444/10*] NAD83 DATUM

Delete	dredged depth, 27ft (2008), centred on: PA	29° 26′.3N., 89° 00′.7W.
		29° 25′.3N., 88° 59′.0W.

713 UNITED STATES OF AMERICA - Gulf of Mexico - Louisiana - Barataria Pass South-eastwards - Depth.

Source: US Notice 4/11358/10

Chart 3857 [*previous update 575/10*] NAD83 DATUM

Substitute	depth 4_3 for depth 5	29° 11′.30N., 89° 53′.49W.
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718 WEST INDIES - Virgin Islands - Saint Croix - Lang Bank - Restricted area.

Source: ENC US4PR11M

Chart 130 [*previous update 76/10*] UNDETERMINED DATUM

Insert	limit of restricted area, fishing prohibited, joining:	17° 50′.20N., 64° 27′.70W.
		17° 50′.10N., 64° 25′.90W.
		17° 49′.30N., 64° 25′.60W.
		17° 48′.60N., 64° 25′.60W.
		17° 48′.20N., 64° 25′.90W.
		17° 47′.50N., 64° 26′.60W.

Chart 485 [*previous update 1867/09*] NAD83 DATUM

Insert	limit of restricted area, joining:	17° 50′.20N., 64° 27′.91W.
		17° 50′.10N., 64° 26′.11W.
		17° 49′.22N., 64° 25′.81W.
		17° 48′.59N., 64° 25′.81W.
		17° 48′.10N., 64° 26′.11W.
		17° 47′.49N., 64° 26′.91W.

II

750 GUYANE FRANÇAISE - Rivière de Cayenne - Le Larivot Northwards - Buoy. Wreck.

Source: ENC FR473790 & UKHO

Chart 1034 [previous update 3665/09] WGS84 DATUM

Insert



, close S of:

(a) 4° 54′.66N., 52° 21′.67W.

(a) above

763 MEXICO - Caribbean Sea Coast - Approaches to Veracruz - Isla Verde South-eastwards - Pilot boarding place.

ALRS Vol. 6(7), 2009/10: (06/10)

Source: mv *Vossborg*

Chart 374 (plan B, Approaches to Veracruz) [previous update 170/10] UNDETERMINED DATUM

Insert



19° 11′.25N., 96° 03′.28W.

Chart 374 (plan D, Punta El Coyol to Punta Zempoala) [previous update 170/10] UNDETERMINED DATUM

Move

①, from:

19° 12′.00N., 96° 01′.00W.

to:

19° 11′.25N., 96° 03′.28W.

658 UNITED STATES OF AMERICA - East Coast - New York, Upper Bay, Lower Bay and Approaches and Sandy Hook Channel - Legends.

Source: US Notice 49/12327/09

Chart 3204 [previous update 423/10] NAD83 DATUM

Amend legend to, *See NM 657(P)/10*, centred on:

40° 33′.45N., 73° 59′.78W.

Chart 3456 [previous update 7015/09] NAD83 DATUM

Amend legend to, *See NM 657(P)/10*, centred on:

40° 40′.590N., 74° 02′.350W.

40° 39′.095N., 74° 02′.600W.

40° 38′.070N., 73° 03′.840W.

40° 36′.690N., 74° 02′.820W.

Chart 3456 (continuation, Gowanus Bay) [previous update 7015/09] NAD83 DATUM

Amend legend to, *See NM 657(P)/10*, centred on:

40° 39′.770N., 74° 01′.190W.

Chart 3459 [previous update 423/10] NAD83 DATUM

Amend legend to, *See NM 657(P)/10*, centred on:

40° 35′.07N., 74° 01′.66W.

40° 32′.24N., 73° 57′.21W.

40° 30′.33N., 74° 03′.18W.

40° 29′.20N., 73° 58′.60W.

II

664 UNITED STATES OF AMERICA - East Coast - North Carolina - Cape Hatteras North-north-eastwards - Light.

Light List Vol. J, 2009/10, 2385.4
Source: US Notice 1/12200/10

Chart 2710 [*previous update 293/10*] UNDETERMINED DATUM


Delete  Fl.Y Tr and associated radar reflector 35° 37'·0N., 75° 16'·0W.

Chart 2861 [*previous update 293/10*] NAD83 DATUM

Delete  Fl.Y.2·5s71ft Tr 'C' 35° 37'·0N., 75° 16'·0W.

671 UNITED STATES OF AMERICA - East Coast - Massachusetts - Boston Inner Harbor - Pier 2 Eastwards - Buoyage.

Source: US Coast Guard District 1 LNM 2/13272/2010

Chart 1528 [*previous update 6299/09*] NAD83 DATUM

Delete symbol, white and orange can buoy 42° 21'·240N., 71° 02'·518W.
42° 21'·204N., 71° 02'·546W.

672 UNITED STATES OF AMERICA - East Coast - Connecticut - Long Island Sound - Middle Breakwater Northwards - Buoy.

Source: US Coast Guard District 1 LNM 2/12371/10

Chart 2728 [*previous update 6673/09*] NAD83 DATUM

Delete  Fl.Y.2·5s 41° 13'·70N., 72° 56'·00W.

681 UNITED STATES OF AMERICA - East Coast - Rhode Island Sound - Brenton Point Southwards to Gay Head Westwards including Buzzards Bay - Depths. Wrecks.


Source: US Chart 13218

Chart 2456 [*previous update 6903/09*] NAD83 DATUM

Insert depth 12 41° 17'·79N., 71° 00'·70W.

depth 6₅ with seabed character, R 41° 31'·83N., 70° 47'·17W.

 Wk 41° 22'·46N., 71° 00'·63W.

Substitute  Wk for  Wk 41° 22'·15N., 71° 00'·35W.

Delete  41° 20'·19N., 70° 54'·99W.

Chart 2492 [*previous update 6761/09*] NAD83 DATUM


Delete  41° 20'·0N., 70° 55'·0W.

Chart 2730 [*previous update 6396/09*] NAD83 DATUM

Insert  Wk 41° 25'·89N., 71° 18'·10W.





II

681 UNITED STATES OF AMERICA - East Coast - Rhode Island Sound - Brenton Point Southwards to Gay Head Westwards including Buzzards Bay - Depths. Wrecks. (continued)

Chart 2860 [*previous update 6903/09*] NAD27 DATUM

Delete  41° 20'·2N., 70° 55'·0W.

Chart 2890 [*previous update 189/10*] NAD83 DATUM

Insert	depth 15 with seabed character, R	(a)	41° 15'·58N., 71° 15'·44W.
	depth 12		41° 17'·79N., 71° 00'·70W.
			41° 22'·27N., 71° 08'·68W.
	depth 12 with seabed character, R	(b)	41° 17'·86N., 71° 10'·54W.
		(c)	41° 19'·37N., 71° 08'·80W.
	depth 13 with seabed character, R		41° 18'·24N., 71° 11'·59W.
	 Wk		41° 21'·56N., 71° 21'·11W.
	 Wk		41° 22'·70N., 71° 07'·86W.
	 Wk	(d)	41° 25'·90N., 71° 18'·10W.
Delete			41° 20'·20N., 70° 54'·90W.
	depth 18, close W of:	(a)	above
	depth 14, close N of:	(b)	above
	depth 16, close S of:	(c)	above
	depth 14, adjacent to:	(d)	above

707 UNITED STATES OF AMERICA - East Coast - South Carolina - Charleston Harbor - Cooper River - North Charleston Reach - Alumax Terminal - Dredged area. Dredged depth. Depth.

Source: US Local Notice 3/11524/2010







Chart 2809 [*previous update 586/10*] NAD83 DATUM

Insert	limit of dredged area, pecked line, joining		32° 52'·97N., 79° 58'·06W.
			32° 52'·97N., 79° 58'·04W.
	dredged depth, 37ft (2009), centred on:		32° 52'·91N., 79° 58'·04W.
Substitute	depth 30 for depth 34		32° 52'·84N., 79° 58'·07W.

715 UNITED STATES OF AMERICA - East Coast - Maryland - Chesapeake Bay - Baltimore Harbor - Ferry Bar Channel (East Section) - Buoyage.

Source: US Local Notice District 5 LNM 50/12281/09

Chart 2850 (plan, Baltimore Harbor) [*previous update 418/10*] NAD83 DATUM

Substitute	 Fl.G.2.5s '1LW' for  '1LW'		39° 15'·40N., 76° 35'·90W.
	 Fl.R.2.5s '2W' for  '2'		39° 15'·42N., 76° 35'·73W.
	 Fl.R.4s '4W' for  '4'		39° 15'·49N., 76° 35'·82W.

II

720 UNITED STATES OF AMERICA - East Coast - Potomac River - Nanjemoy Creek South-westwards - Obstructions.

Source: US Notice 2/12288/10



Chart 2924 (Panel 1) [*previous update 544/10*] NAD83 DATUM

Insert	 <i>Obstn</i>	38° 23′.53N., 77° 07′.88W.
	 <i>Obstn</i>	38° 23′.22N., 77° 08′.40W.

739 UNITED STATES OF AMERICA - East Coast - Florida - Cape Canaveral South-eastwards - Depths. Cautionary note. Legend. Wrecks.

Source: US Chart 11481

Chart 3692 [*previous update 6984/09*] NAD83 DATUM

Insert	depth 6 enclosed by 6ft contour	28° 25′.62N., 80° 28′.95W.
	depth 12 and extend 18ft contour S to enclose	(a) 28° 25′.17N., 80° 27′.11W.
	depth 9 and extend 18ft contour N to enclose	28° 24′.44N., 80° 27′.39W.
	depth 14 and extend 18ft contour E to enclose	28° 23′.67N., 80° 25′.66W.
	the accompanying note, SOUTHEAST SHOAL, centred on:	28° 26′.15N., 80° 40′.90W.
Amend	legend to, SOUTHEAST SHOAL (<i>see Note</i>), centred on:	28° 25′.60N., 80° 27′.30W.
Delete	 <i>PD</i>	28° 27′.33N., 80° 28′.29W.
	 <i>PA</i>	28° 26′.70N., 80° 29′.28W.
	depth 22, adjacent to:	(a) above

740 UNITED STATES OF AMERICA - East Coast - Florida - Port Canaveral - Channel depths.

Source: NOS

Chart 3692 (plan, Port Canaveral) [*previous update 739/10*] NAD83 DATUM

Substitute	the accompanying table, CHANNEL DEPTHS, for existing table, centred on:	28° 24′.2N., 80° 37′.5W.
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741 UNITED STATES OF AMERICA - East Coast - South Carolina - Winyah Bay and Georgetown Harbor - Channel depths.

Source: US Coast Guard District 7 LNM 3/11532/10

Chart 2804 [*previous update 4757/09*] NAD83 DATUM

Substitute	the accompanying table, CHANNEL DEPTHS, for existing table, centred on:	33° 13′.6N., 79° 16′.6W.
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742 UNITED STATES OF AMERICA - East Coast - Delaware - Delaware River - Christina River - Channel depths.

Source: US Coast Guard District 5 LNM 51/12311/09

Chart 2603 (Panel 1) [*previous update 471/10*] NAD83 DATUM

Substitute	the accompanying table, CHANNEL DEPTHS (Christina River), for existing table, centred on:	39° 44′.8N., 75° 33′.0W.
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II

666(P)/10 UNITED ARAB EMIRATES - Abu Dhabi Oil Fields - Restricted areas.

Source: United Arab Emirates Boundary Affairs Council.

1. * Restricted areas have been established around the oilfields within Abu Dhabi waters. The oilfields affected are listed below. These areas should only be entered by authorised vessels and mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone, +9712 6550900 or +9712 6550909, FAX +9712 6550919. For additional information, see Admiralty Sailing Directions. (All positions are referred to WGS84 Datum)
2. Dalma Oilfield
 - 24° 39'·71N., 52° 23'·46E.
 - 24° 35'·27N., 52° 23'·41E.
 - 24° 35'·24N., 52° 26'·62E.
 - 24° 31'·35N., 52° 26'·62E.
 - 24° 31'·35N., 52° 28'·39E.
 - 24° 26'·57N., 52° 28'·38E.
 - 24° 26'·63N., 52° 21'·36E.
 - 24° 34'·84N., 52° 21'·45E.
 - 24° 34'·88N., 52° 17'·32E.
 - 24° 39'·76N., 52° 17'·37E.
3. Bu Jufair Oilfield
 - 24° 42'·65N., 52° 24'·62E.
 - 24° 42'·62N., 52° 27'·42E.
 - 24° 39'·51N., 52° 27'·38E.
 - 24° 39'·54N., 52° 24'·58E.
4. Jarnain Oilfield
 - 24° 48'·82N., 52° 17'·29E.
 - 24° 48'·77N., 52° 22'·79E.
 - 24° 44'·56N., 52° 22'·74E.
 - 24° 44'·61N., 52° 17'·24E.
5. Al Bunduq Oilfield
 - 25° 09'·42N., 52° 34'·42E.
 - 25° 09'·35N., 52° 40'·19E.
 - 25° 04'·00N., 52° 40'·12E.
 - 25° 04'·06N., 52° 34'·35E.
6. Bu Haseer Oilfield
 - 25° 01'·44N., 52° 55'·29E.
 - 25° 01'·39N., 52° 59'·23E.
 - 24° 58'·59N., 52° 59'·19E.
 - 24° 58'·59N., 52° 55'·24E.
7. Zarkouh Oilfield
 - 24° 54'·92N., 53° 06'·73E.
 - 24° 54'·92N., 53° 01'·17E.
 - 24° 50'·70N., 53° 01'·11E.
 - 24° 50'·64N., 53° 05'·31E.
 - 24° 51'·58N., 53° 05'·31E.
 - 24° 51'·57N., 53° 06'·67E.
8. Yaser Oilfield (vessels using the Das Approach channel may enter the restricted area).
 - 25° 19'·47N., 52° 59'·78E.
 - 25° 19'·41N., 53° 03'·70E.
 - 25° 16'·31N., 53° 03'·67E.
 - 25° 16'·38N., 52° 59'·75E.

II

666(P)/10 UNITED ARAB EMIRATES - Abu Dhabi Oil Fields - Restricted areas. (continued)

9. Nasr Oilfield

25° 26'·19N., 53° 23'·26E.
25° 26'·03N., 53° 33'·00E.
25° 11'·14N., 53° 32'·69E.
25° 11'·30N., 53° 22'·97E.

10. Al Khair Oilfield

25° 35'·91N., 54° 01'·87E.
25° 35'·95N., 54° 04'·33E.
25° 32'·92N., 54° 04'·41E.
25° 32'·87N., 54° 02'·10E.

11. Mubarraz - 1 Oilfield

24° 32'·43N., 53° 36'·57E.
24° 32'·28N., 53° 44'·73E.
24° 21'·52N., 53° 44'·50E.
24° 21'·67N., 53° 36'·36E.

12. Mubarraz - 2 Oilfield

24° 37'·16N., 53° 42'·80E.
24° 37'·11N., 53° 45'·34E.
24° 32'·94N., 53° 45'·25E.
24° 32'·98N., 53° 42'·71E.

13. Mubarraz - 3 Oilfield

24° 34'·73N., 53° 47'·96E.
24° 34'·65N., 53° 51'·85E.
24° 29'·52N., 53° 51'·73E.
24° 29'·60N., 53° 47'·85E.

14. * Abū Al Bū Khoosh Oilfield, centred on position 25° 29'·81N., 53° 08'·85E.

15. * Arzanah Oilfield, centred on position 24° 41'·63N., 52° 34'·06E.

16. * Jazīrat Dās Oilfield, centred on position 25° 10'·27N., 52° 52'·59E.

17. * Satah Oilfield, centred on position 24° 55'·44N., 52° 33'·28E.

18. * Umm Ad Dalkh Oilfield, centred on position 24° 36'·49N., 54° 09'·06E.

19. * Umm Shaif Oilfield, centred on position 25° 11'·80N., 53° 12'·99E.

20. * Zaqqūm Oilfield, centred on position 24° 50'·09N., 53° 36'·87E.

21. Mariners are advised to navigate with caution in these areas.

* Indicates a new or revised entry.

22. These changes will be included in the next New Editions of Charts 2444, 2889 and 3179.

23. Former Notice 1794(P)/09 is cancelled.

Charts affected - 2442 - 2443 - 2444 - 2886 (INT 7243) - 2887 (INT 7232) - 2889 (INT 7211) - 3177 - 3178 - 3179 - 3413 - 3950 - 3951

II

629(P)/10 MALACCA STRAIT - Selat Bulan to Selat Rupert - Submarine cable.

Source: Indonesian Notice 48/425/09

1. The Moratelindo Batam to Dumai (MBDC) submarine cable has been laid joining the following positions (WGS84 Datum):

Section A

1° 08′.46N., 103° 55′.51E.(shore)
1° 09′.02N., 103° 55′.64E.
1° 09′.67N., 103° 55′.22E.
1° 10′.12N., 103° 54′.55E.
1° 10′.65N., 103° 53′.34E.
1° 10′.19N., 103° 51′.70E.
1° 09′.43N., 103° 51′.01E.
1° 09′.30N., 103° 49′.95E.
1° 08′.58N., 103° 48′.90E.
1° 08′.20N., 103° 48′.61E.
1° 07′.99N., 103° 48′.29E.
1° 07′.68N., 103° 46′.99E.
1° 07′.05N., 103° 46′.17E.
1° 06′.53N., 103° 46′.05E.
1° 05′.71N., 103° 45′.33E.
1° 03′.10N., 103° 42′.55E.
1° 01′.67N., 103° 40′.61E.
1° 01′.23N., 103° 39′.61E.
1° 01′.39N., 103° 38′.53E.
1° 08′.77N., 103° 25′.16E.
1° 10′.20N., 103° 23′.20E.(link)

- 2.

Section B

1° 10′.20N., 103° 23′.20E.(link)
1° 13′.55N., 103° 06′.76E.
1° 14′.85N., 103° 02′.84E.
1° 30′.16N., 102° 41′.14E.
1° 37′.95N., 102° 24′.25E.
1° 44′.02N., 102° 15′.33E.
1° 43′.78N., 102° 13′.24E.
1° 44′.44N., 102° 09′.26E.
1° 44′.58N., 102° 02′.27E.
1° 45′.02N., 102° 00′.73E.
1° 47′.83N., 101° 56′.45E.
1° 48′.08N., 101° 53′.88E.
1° 44′.69N., 101° 52′.49E.
1° 38′.74N., 101° 53′.85E.
1° 35′.78N., 101° 54′.96E.
1° 35′.53N., 101° 54′.87E.
1° 35′.41N., 101° 54′.12E.
1° 40′.61N., 101° 47′.23E.
1° 41′.84N., 101° 43′.97E.
1° 41′.82N., 101° 41′.55E.
1° 39′.70N., 101° 33′.73E.
1° 39′.19N., 101° 33′.20E.
1° 38′.66N., 101° 32′.44E.(shore)

3. To simplify this notice as much as possible, only a minimum selection of geographical positions have been listed. Therefore, mariners are advised not to anchor or trawl within at least 0.5 miles of the general course of the submarine cable.
4. This update will be included in the next New Editions of the appropriate charts.

Charts affected - 1358 - 2403 - 3831 - 3833 - 3933 - 3937 - 3947 - 3948 - 4039 - 4040 - 4041

II

630(P)/10 CHINA - East Coast - Dong Hai - Min Jiang, Wulong Jiang and Minjiang Kou and Approaches - Depths. Fairway. Anchorage areas. Bridge. Mooring buoys. Restricted area. Jetties. Light-beacons.

Source: Chinese Charts 13991, 13992 & Chinese Notices 52/1940-1941/09

1. Changes have taken place to charted detail within Min Jiang, Wulong Jiang and Minjiang Kou and approaches.
2. A 2m depth exists at Fanzhu Shi in position 26° 05′.08N., 119° 49′.30E.
3. Deeper water than charted exists within Minjiang Kou fairway as follows:
Depths of greater than 5.5 m exist within the fairway entrance between positions 26° 04′.94N., 119° 48′.00E. and 26° 05′.07N., 119° 46′.84E.
Depths of greater than 6.8 m exist within the fairway between positions 26° 05′.80N., 119° 41′.30E. and 26° 06′.55N., 119° 40′.27E.
4. A section of the fairway through Min Jiang has changed and now runs on a bearing of 112.5° between existing leads in positions 26° 07′.47N., 119° 39′.04E. and 26° 08′.03N., 119° 37′.48E.
5. A 4.4 m depth exists within the fairway in position 26° 08′.02N., 119° 37′.10E.
6. Circular anchorage areas, radius 200m, have been established, centred on the following positions:

No 1 26° 08′.18N., 119° 36′.68E.
No 2 26° 07′.88N., 119° 36′.79E.
7. An anchorage area has been established within Min Jiang, bounded by the following positions:

26° 07′.55N., 119° 33′.95E. (fairway limit)
26° 07′.78N., 119° 34′.35E.
26° 08′.02N., 119° 34′.35E.
26° 07′.32N., 119° 33′.15E.
26° 07′.19N., 119° 33′.30E.
26° 07′.23N., 119° 33′.38E. (fairway limit)
8. A bridge has been constructed across Wuzhu Gang between positions 26° 09′.24N., 119° 35′.83E. and 26° 09′.38N., 119° 36′.07E.
9. Mooring light-buoys, *Mo(Q)Y.12s*, have been established in the following positions:

No 6 26° 06′.78N., 119° 32′.80E.
No 7 26° 06′.67N., 119° 32′.70E.
No 8 26° 06′.57N., 119° 32′.59E.
10. An anchorage area has been established bounded by the following positions:

26° 04′.48N., 119° 31′.57E.
26° 05′.05N., 119° 31′.63E.
26° 04′.99N., 119° 32′.10E.
26° 04′.63N., 119° 31′.87E.
26° 04′.48N., 119° 31′.57E.
11. A restricted area, anchoring prohibited, has been established between lines joining the following positions:

26° 03′.43N., 119° 30′.42E. (shore)
26° 03′.27N., 119° 30′.72E. (shore)
and
25° 59′.10N., 119° 28′.41E. (shore)
25° 59′.47N., 119° 27′.95E. (shore)
12. New jetties exist joining the following positions:

26° 00′.44N., 119° 29′.42E. (shore)
26° 00′.44N., 119° 29′.25E.
26° 00′.34N., 119° 29′.22E.
and
26° 00′.09N., 119° 29′.06E.
25° 59′.91N., 119° 28′.94E.
13. The section of fairway between positions 26° 01′.38N., 119° 29′.63E. and 25° 59′.77N., 119° 28′.68E. has been replaced by a recommended track with a maximum authorised draught of 8m.

II

630(P)/10 CHINA - East Coast - Dong Hai - Min Jiang, Wulong Jiang and Minjiang Kou and Approaches - Depths. Fairway. Anchorage areas. Bridge. Mooring buoys. Restricted area. Jetties. Light-beacons. (continued)

14. * Light-beacons, Mo(C)Y.12s, have been established

within Min Jiang between positions:

25° 59′.17N., 119° 26′.16E.

and

26° 00′.79N., 119° 24′.49E.

and within Wulong Jiang between positions:

25° 59′.15N., 119° 26′.02E.

and

25° 57′.62N., 119° 24′.58E.

(All positions are referred to Beijing 1954 Datum).

* Indicates new or revised entry.

15. These changes will be included in the next New Editions of Charts 2410 and 2411.

16. Former Notice 6811(P)/09 is cancelled.

Charts affected - 2410 - 2411

631(T)/10 CHINA - East Coast - Zhoushan Qundao - Jintang Dao Northwards - Works.

Source: Chinese Notice 1/58(T)/10

1. Breakwater construction works are taking place, until 15 November 2010, within an area bounded by the following positions (WGS84 Datum):

30° 04′.96N., 121° 50′.92E.

30° 05′.67N., 121° 50′.82E.

30° 05′.79N., 121° 50′.83E.

30° 05′.79N., 121° 50′.79E.

30° 06′.13N., 121° 50′.81E.

Chart affected - 1124

632(T)/10 CHINA - East Coast - Daxie Dao and Chuanshan Bandao - Works.

Source: Chinese Notices 52/1968/09 & 52/1970/09

1. Pier construction works are taking place, until October 2010, within an area bounded by the following positions (Beijing 1954 Datum):

29° 57′.12N., 121° 57′.07E.

29° 57′.29N., 121° 57′.29E.

29° 57′.17N., 121° 57′.41E.

29° 57′.00N., 121° 57′.20E.

and

29° 54′.18N., 122° 06′.07E.

29° 54′.08N., 122° 06′.10E.

29° 54′.37N., 122° 06′.50E.

29° 54′.50N., 122° 06′.39E.

Chart affected - 1126

II

682(T)/10 CHINA - Bo Hai - Bohai Wan - Approaches to Tianjin Xingang - Xingang Main Channel Southwards - Works.

Source: Chinese Notice 2/101(T)/10

1. Breakwater construction works are taking place, until 4 May 2010, within an area bounded by the following positions (Beijing 1954 Datum):

38° 54′.43N., 117° 53′.88E.

38° 54′.36N., 117° 53′.90E.

38° 54′.00N., 117° 51′.83E.

38° 54′.06N., 117° 51′.82E.

Chart affected - 2653

683(T)/10 CHINA - East Coast - Dong Hai - Min Jiang - Min'an Men - Works.

Source: Chinese Notice 2/109(T)/10

1. Pier construction works are taking place, until 31 May 2010, within an area bounded by the following positions (Beijing 1954 Datum):

26° 03′.34N., 119° 30′.72E.

26° 03′.37N., 119° 30′.65E.

26° 03′.29N., 119° 30′.61E.

26° 03′.26N., 119° 30′.66E.

Chart affected - 2410

684(T)/10 CHINA - Bo Hai - Bohai Wan - Approaches to Tianjin Xingang - Dagukou South Anchorage Southwards - Anchorage Area No 6 - Anchorage area.

Source: Chinese Notice 2/102(T)/10

1. Anchorage Area No 6 has been moved and is now bounded by the following positions (Beijing 1954 Datum):

38° 49′.56N., 118° 00′.48E.

38° 48′.35N., 118° 02′.50E.

38° 47′.50N., 118° 01′.75E.

38° 48′.75N., 117° 59′.72E.

Charts affected - 1250 - 2653

II

705(P)/10 CHINA - East Coast - Xiamen Gang and Approaches - Coastline. Fairways. Buoyage. Depths. Radar beacon. Rock. Pier. Automatic Identification System.

Source: Chinese Charts 14281, 14291, 14292, 14293, 14295 & Chinese Notices 45/Section 1/07, 49/Section 1/07, 47/1783-1785/09, 48/1811/09 & 2/74/10

1. There have been extensive changes to coastline, fairways, buoyage and depths in Xiamen Gang and its approaches.
2. Numerous depths less than charted exist within, and in the approaches to Xiamen Gang. The most significant are as follows:

19.3 m	24° 17' 48N., 118° 10' 35E.	
0.1 m	24° 22' 43N., 118° 08' 26E.	
9.9 m	24° 24' 72N., 118° 04' 04E.	
6.9 m	24° 24' 18N., 118° 05' 08E.	(Anchorage Area No 3)
6.7 m	24° 24' 76N., 118° 03' 25E.	(Turning Area)
6.8 m	24° 25' 22N., 118° 02' 89E.	(Anchorage Area No 5)
7.9 m	24° 25' 86N., 118° 02' 78E.	(Anchorage Area No 5)
9.1 m	24° 25' 43N., 118° 03' 36E.	(Anchorage Area No 5)
8.1 m	24° 24' 85N., 118° 03' 54E.	(Turning Area)
5.4 m	24° 25' 65N., 118° 01' 51E.	(Anchorage Area No 7)

3. A radar beacon, *Racon(Y)*, exists at light-buoy *No 19* (24° 24' 22N., 118° 06' 30E.).
4. The limits of the fairway leading to Zhangzhou Gang have been changed in the vicinity of light-buoy *No 103* (24° 17' 68N., 118° 10' 32E.) and within Zhangzhou Gang (24° 18' 95N., 118° 08' 20E.).
5. A new fairway, width 150m, has been established through Erdan Hangmen from position 24° 22' 43N., 118° 09' 21E. to position 24° 26' 23N., 118° 04' 63E. (existing fairway). A shoal depth of 11.8 m exists at the entrance to Erdan Hangmen in position 24° 22' 55N., 118° 09' 19E.
6. Depths less than charted exist in the channels east and west of Xiaojinmen Dao (24° 26' 1N., 118° 14' 8E.). The most significant are as follows:

5.5 m	24° 26' 25N., 118° 12' 98E.
4.2 m with seabed character, <i>R</i>	24° 27' 49N., 118° 16' 83E.

7. Depths less than charted exist within Lujiang Shuidao (24° 27' 20N., 118° 04' 10E.). The most significant are as follows:

3.5 m	24° 27' 65N., 118° 03' 95E.
10m	24° 27' 20N., 118° 04' 06E.
6.1 m	24° 27' 05N., 118° 04' 40E.

8. The following depth no longer exists:

8.6 m	24° 28' 16N., 118° 03' 50E.
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9. The pier in position 24° 31' 94N., 118° 05' 08E. has been extended north-eastwards to position 24° 32' 05N., 118° 05' 12E.
10. A new fairway, width 200m, least depth 12.0 m, has been established in Zhangzhougang Jingang Hangdao, joining position 24° 24' 68N., 118° 05' 27E. (existing fairway) and position 24° 24' 98N., 118° 03' 54E.
11. The limits of the fairway between Zhu Hangdao position 24° 26' 06N., 118° 02' 86E. (existing fairway) and position 24° 28' 75N., 118° 03' 50E. have changed. The least depth throughout the fairway is 11.8 m.
12. The limits of the Haicang Hangdao fairway have been changed, centred on a line joining the following positions:

	<i>Width Least Depth</i>
24° 25' 81N., 118° 03' 30E. (existing fairway)	250m 14m
24° 26' 40N., 118° 01' 11E.	250m 14m
24° 26' 58N., 118° 00' 26E.	250m 14m
24° 26' 66N., 117° 59' 84E.	190m 10.4 m
24° 26' 71N., 117° 59' 60E.	190m 10.4 m

II

705(P)/10 CHINA - East Coast - Xiamen Gang and Approaches - Coastline. Fairways. Buoyage. Depths. Radar beacon. Rock. Pier. Automatic Identification System. (continued)

13. *Changes to buoyage in Haicang Hangdao have taken place.

The following light-buoys have been removed:

<i>Designation</i>	<i>Characteristics</i>	<i>Position</i>	<i>Type</i>
No 26	Q.R	24° 25'·58N., 118° 03'·49E.	Port-hand
No 604	Fl(3)R.10s	24° 26'·33N., 118° 01'·28E.	Port-hand
No 606	Q	24° 26'·34N., 118° 00'·82E.	North cardinal
No 609	Fl(2)G.6s	24° 26'·88N., 117° 59'·78E.	Starboard-hand

Light-buoys have been established as follows:

<i>Designation</i>	<i>Characteristics</i>	<i>Position</i>	<i>Type</i>
No 604	Q	24° 26'·15N., 118° 01'·59E.	North cardinal
No 606	Fl(3)R.10s	24° 26'·33N., 118° 01'·09E.	Port-hand
No 614	Fl.R.4s	24° 26'·79N., 117° 59'·42E.	Port-hand

The following light-buoys have been moved:

<i>Designation</i>	<i>Characteristics</i>	<i>New Position</i>	<i>Type</i>
No 601	Fl(2)G.6s	24° 26'·17N., 118° 02'·51E.	Starboard-hand
No 602	Fl(2)R.6s	24° 26'·06N., 118° 02'·07E.	Port-hand
No 608	Fl.R.4s	24° 26'·45N., 118° 00'·46E.	Port-hand
No 610	Fl(2)R.6s	24° 26'·61N., 117° 59'·83E.	Port-hand
No 612	Fl(3)R.10s	24° 26'·66N., 117° 59'·59E.	Port-hand

14. * An Automatic Identification System, AIS, has been established at starboard-hand light-buoy No 601 (24° 26'·17N., 118° 02'·51E.)

(All positions are referred to WGS84 Datum).

* Indicates new or revised entry.

15. Former Notice 345(P)/10 is cancelled.

Charts affected - 1767 - 3449 - 3452

651(T)/10 JAPAN - Honshū - South Coast - Tokyo Wan - Chiba Ko - Chiba Ku - Restricted area.

Source: Japanese Notice 3/120(T)/10

1. A restricted area, entry prohibited, has been established until 31 March 2010, within an area bounded by the following positions (WGS84 Datum):

35° 37' 41.5"N., 140° 00' 15.3"E.

35° 37' 53.4"N., 140° 00' 29.9"E.

35° 37' 41.5"N., 140° 00' 44.5"E.

35° 37' 29.6"N., 140° 00' 29.9"E.

2. Harbour construction works are taking place in the above area.

Chart affected - JP 1061

652(T)/10 JAPAN - Honshū - South Coast - Atsumi Wan - Mikawa Ko - Jinno West Wharf Westwards - Dredging area.

Source: Japanese Notice 3/121(T)/10

1. Dredging works are taking place, until 12 March 2010, in the vicinity of position 34° 44' 16"N., 137° 18' 18"E. (WGS84 Datum)

Charts affected - JP 1057A - JP 1057B

II

661(P)/10 INDONESIA - Java Sea - South China Sea - Submarine cables.

Source: Indonesian Notices 38/333/09, 44/383/09, 45/394/09, 49/433/09

1. The JAKABARE (Jakarta-Batam-Singapore cable system) submarine cable has been laid joining the following positions (WGS84 datum):

The cable route is shown on the accompanying diagram.

Segment B1

5° 58'·28S., 107° 07'·58E.(shore)

5° 56'·17S., 107° 08'·55E.

5° 53'·68S., 107° 08'·62E.

5° 53'·03S., 107° 08'·07E.

5° 51'·36S., 107° 07'·83E.

5° 47'·58S., 107° 09'·20E.

5° 40'·03S., 107° 10'·69E.

5° 39'·78S., 107° 11'·36E.

5° 21'·94S., 107° 15'·71E.

5° 20'·01S., 107° 15'·62E.

4° 52'·31S., 107° 18'·56E.

4° 13'·64S., 107° 26'·27E.

4° 01'·52S., 107° 15'·86E.

3° 34'·95S., 107° 18'·17E.

3° 29'·97S., 107° 19'·35E.

3° 02'·14S., 107° 16'·71E.

2° 59'·15S., 107° 17'·77E.

2° 52'·94S., 107° 15'·78E.

2° 49'·31S., 107° 15'·86E.

2° 20'·42S., 107° 14'·23E.

1° 35'·74S., 107° 01'·89E.

1° 34'·03S., 106° 57'·66E.

1° 18'·04S., 106° 53'·45E.

1° 09'·75S., 106° 50'·36E.

1° 06'·01S., 106° 47'·24E.

0° 59'·99S., 106° 36'·21E.(link)

- 2.

Segment B2

0° 02'·57S., 109° 08'·68E.(shore)

0° 01'·67S., 108° 53'·94E.

0° 04'·19S., 108° 51'·36E.

0° 09'·58S., 108° 35'·48E.

0° 33'·36S., 107° 43'·38E.

0° 59'·99S., 106° 36'·21E.(link)

II

661(P)/10 INDONESIA - Java Sea - South China Sea - Submarine cables. (continued)

3.

Segment B3

0° 59′.99S., 106° 36′.21E.(link)
0° 38′.62S., 106° 22′.31E.
0° 37′.95S., 106° 21′.20E.
0° 15′.47S., 106° 07′.39E.
0° 07′.97S., 106° 10′.37E.
0° 38′.21N., 105° 41′.32E.
1° 08′.44N., 105° 06′.62E.
1° 13′.17N., 104° 59′.63E.
1° 15′.22N., 104° 59′.38E.
1° 17′.37N., 104° 53′.98E.
1° 19′.12N., 104° 45′.31E.
1° 19′.92N., 104° 44′.52E.
1° 20′.67N., 104° 39′.32E.
1° 19′.80N., 104° 38′.12E.
1° 20′.25N., 104° 34′.40E.
1° 18′.72N., 104° 31′.72E.
1° 17′.69N., 104° 27′.69E.
1° 14′.31N., 104° 23′.58E.
1° 14′.63N., 104° 22′.65E.
1° 13′.64N., 104° 18′.96E.
1° 14′.10N., 104° 18′.39E.
1° 13′.64N., 104° 11′.79E.(link)

4.

Segment B4

1° 13′.64N., 104° 11′.79E.(link)
1° 13′.65N., 104° 11′.23E.
1° 13′.55N., 104° 11′.05E.
1° 13′.03N., 104° 10′.57E.
1° 12′.57N., 104° 10′.29E.
1° 12′.43N., 104° 10′.02E.
1° 12′.47N., 104° 09′.67E.
1° 12′.34N., 104° 09′.46E.
1° 12′.40N., 104° 08′.73E.
1° 12′.33N., 104° 08′.65E.
1° 10′.96N., 104° 08′.51E.
1° 10′.52N., 104° 08′.91E.
1° 10′.01N., 104° 08′.61E.
1° 09′.88N., 104° 08′.34E.(shore)

5.

Segment B5

1° 13′.64N., 104° 11′.79E.(link)
1° 14′.69N., 104° 11′.91E.
1° 15′.52N., 104° 11′.58E.
1° 15′.76N., 104° 11′.12E.
1° 15′.95N., 104° 10′.04E.
1° 16′.90N., 104° 09′.37E.
1° 17′.10N., 104° 09′.40E.
1° 17′.17N., 104° 09′.55E.

6. To simplify this notice as much as possible, only a minimum selection of geographical positions have been listed. Because of this, mariners are advised not to anchor or trawl within at least 0.5 miles of the general course of the submarine cable.

7. This update will be included in the next New Edition of the appropriate charts.

Charts affected - 1312 - 2137 - 2403 - 2414 - 2862 - 2869 - 2870 - 2872 - 2873 - 3482 (INT 550) - 3543 - 3720 - 3721 - 3729 - 3831 - 3949 - 4042 - 4043

II

686(T)/10 AUSTRALIA - Queensland - Moreton Bay - Redcliffe - Brisbane Road North-eastwards - Scientific instruments. Buoy.

Source: Australian Notice 1/54(T)/10

1. A special light-buoy, *Fl(5)Y.20s* exists in position 27° 15′.14S., 153° 12′.00E. (WGS84 Datum).
2. Mariners are not to use the light-buoy as a mooring.
3. Former Notice 6188(T)/09 is cancelled.

Chart affected - Aus 236

687(T)/10 AUSTRALIA - Queensland - Bundaberg - Depth information.

Source: Australian Notice 1/56(T)/10

1. Available depths as at 13 January 2010:

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

2. The deep draught departure channel from the BST Berth to Middle Reach has a depth of 9.1m.
* Indicates new or revised entry.
3. Former Notice 5287(T)/09 is cancelled.

Charts affected - Aus 242 - Aus 243

II

688(T)/10 AUSTRALIA - Queensland - Gladstone - Depth information.

Source: Australian Notice 1/57(T)/10

1. Available depths as at 24 November 2009:

	<i>Metres</i>
<i>Sea Channels:</i>	
*Wild Cattle Cutting	15.8
*Boyne Island Cutting	16.3
Boyne Island Extension Channel	9.0
*Golding Cutting	16.0
*South Bypass Channel	7.4
*Gatcombe Channel	16.0
*Gatcombe Bypass Channel	13.4
<i>Inner Channels:</i>	
Auckland Channel	15.8
Auckland Bypass Channel	6.8
Clinton Channel	16.0
Clinton Bypass Channel	10.6
*Clinton Swing Basin	10.9
Targinie Channel	10.6
*Targinie Swing Basin East	10.9
*Targinie Swing Basin West	8.9
<i>Berths:</i>	
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 2	13.3
*Fishermans Landing Wharf No 4	11.4
*Fishermans Landing Wharf No 5	11.4

* Indicates new or revised entry.

2. Former Notice 5288(T)/09 is cancelled.

Charts affected - Aus 244 - Aus 245 - Aus 246

II

689(P)/10 AUSTRALIA - Queensland - Hay Point - Anchor berths.

Source: Australian Notice 1/59(P)/10

1. On or about 24 December 2009, anchorages will be established in the following positions (WGS84 Datum):

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

2. Charts will be updated in due course.

Charts affected - Aus 249 - Aus 823

690(T)/10 AUSTRALIA - Queensland - Hay Point Eastwards and Bailey Islet Southwards - Scientific instruments. Buoyage.

Source: Australian Notice 1/60(T)/10

1. Special light-buoys, *Fl(5)Y.20s*, exist in the following positions (WGS84 Datum):

21° 16′.32S., 149° 18′.70E.

*21° 05′.47S., 149° 33′.01E.

2. Mariners are not to use these light-buoys as moorings.

* Indicates new or revised entry

3. Former Notice 229(T)/10 is cancelled.

Charts affected - Aus 249 - Aus 250 - Aus 823 - Aus 824

II

691(T)/10 AUSTRALIA - Queensland - Townsville - Ross River - Works. Buoyage. Lights.

Source: Australian Notice 1/62(T)/10

1. Abutment works for the Townsville Port Access Road Bridge are in progress.
 - a) A port lateral light-buoy, *Fl.R.2-5s*, exists in position 19° 16'·16S., 146° 50'·13E. which marks the extremity of the works.
 - b) A starboard lateral light-buoy, *Fl.G.2-5s*, exists in position 19° 16'·13S., 146° 50'·13E. which marks the abutment rock walls that are being constructed.
 - c) 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 protude approximately 50m into the river from the eastern bank and will be lit by flashing lights.
(All positions are referred to WGS84 Datum).
2. Mariners are advised to navigate with caution in the area.
3. Former Notice 6027(T)/09 is cancelled.

Chart affected - Aus 257

692(T)/10 AUSTRALIA - Queensland - Townsville - Depth information.

Source: Australian Notice 1/63(T)/10

1. Available depths as at 22 December 2009:

	<i>Metres</i>	<i>Remarks</i>
Sea Channel	11·8	
*Platypus Harbour	11·8	
<i>Outer Harbour:</i>		
Arrival Channel	7·6	West of a line from dolphin across end berth pocket to edge of arrival channel.
*Departure Channel	11·9	
<i>Inner Harbour:</i>		
Harbour	12·0	
Berths:		
No 1	11·9	
No 2	12·2	
No 3	12·1	
No 4	10·3	
No 7	11·1	
No 8	9·9	
No 9	12·0	
No 10	9·6	To seaward dolphin
No 11	12·3	
CB Marine	1·9	
Between No 7 and No 8	10·4	Seaward of zero mark at No 7
*Between No 9 and No 10	10·6	Seaward of zero mark at No 10
*Ross River Channel	2·1	
Ross Creek	-	No declared depth

* Indicates new or revised entry.

2. Former Notice 6601(T)/09 is cancelled.

Charts affected - Aus 256 - Aus 257

II

693(T)/10 AUSTRALIA - Queensland - Weipa - Albatross Bay - Obstruction.

Source: Australian Notice 1/66(T)/10

1. A lost anchor exists in anchorage A in position 12° 43'·5S., 141° 39'·0E. (WGS84 Datum).

Chart affected - Aus 4

694(T)/10 AUSTRALIA - Western Australia - Lacepede Channel to Cape Boileau South-westwards - Scientific instruments. Buoy.

Source: Australian Notice 1/71(T)/2010

1. Until 31 July 2010, scientific instruments exist as follows (WGS84 Datum):

<i>Position</i>	<i>Remarks</i>
17° 13'·93S., 122° 05'·06E.	subsurface
17° 28'·27S., 122° 05'·03E.	subsurface
17° 30'·07S., 121° 53'·45E.	subsurface
17° 30'·81S., 121° 53'·88E.	lit buoy, <i>Fl(5)Y.20s</i>
17° 30'·82S., 121° 53'·94E.	subsurface
17° 43'·53S., 122° 02'·03E.	subsurface

Charts affected - Aus 323 - Aus 324

695(T)/10 AUSTRALIA - Western Australia - Dampier - Mermaid Sound - Nelson Rocks North-eastwards - Buoy. Automatic Identification System. Radar beacon.

Source: Australian Notice 1/72(T)/10

1. The light-buoy (20° 25'·45S., 116° 42'·95E.(WGS84 Datum)) is unlit and the AIS and Racon are non operational.
2. Former Notice 233(T)10 is cancelled.

Charts affected - Aus 57 - Aus 58 - Aus 741

696(T)/10 AUSTRALIA - Western Australia - Barrow Island - Latitude Point South-eastwards - Works. Submarine pipelines. Outfall. Buoyage. Restricted area.

Source: Australian Notice 1/75(T)/01

1. Until 30 June 2011, works associated with the installation of temporary intake and outfall pipelines are in progress in the following area:

<i>Position (WGS84 Datum)</i>	<i>Remarks</i>
20° 47'·2S., 115° 27'·7E.	
20° 47'·5S., 115° 28'·3E.	lit special buoy
20° 47'·7S., 115° 28'·2E.	lit special buoy
20° 47'·4S., 115° 27'·5E.	

2. An exclusion zone exists within the area.
3. 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.

Charts affected - Aus 62 - Aus 742

II

697(T)/10 AUSTRALIA - Western Australia - Barrow Island - Latitude Point South-eastwards and Shark Point South-eastwards - Scientific instruments. Buoyage.

Source: Australian Notice 1/76(T)/10

1. Until 31 December 2011, scientific instruments marked by special light-buoys, *Fl(5)Y.20s*, exist in the following positions (WGS84 Datum):

20° 46′.79S., 115° 29′.29E.
20° 47′.04S., 115° 29′.78E.
20° 47′.39S., 115° 29′.94E.
20° 48′.58S., 115° 28′.59E.
20° 49′.01S., 115° 30′.83E.
20° 49′.53S., 115° 29′.20E.
20° 49′.95S., 115° 30′.35E.
20° 53′.06S., 115° 30′.78E.
20° 54′.36S., 115° 32′.25E.

Charts affected - Aus 62 - Aus 742 - Aus 743

698(T)/10 AUSTRALIA - Western Australia - Thevenard Island North-westwards to Entrance Point North-eastwards - Scientific instruments. Buoyage.

Source: Australian Notice 1/77(T)/10

1. Until 31 December 2010, scientific instruments exist as follows:

<i>Position (WGS84 Datum)</i>	<i>Remarks</i>
21° 21′.86S., 114° 51′.20E.	5 poly floats
21° 22′.08S., 114° 50′.91E.	lit buoy, <i>Fl(5)Y.20s</i>
21° 22′.08S., 114° 51′.00E.	5 poly floats
21° 29′.15S., 115° 00′.86E.	lit buoy, <i>Fl(5)Y.20s</i>
21° 29′.21S., 115° 00′.94E.	5 poly floats
21° 30′.12S., 115° 02′.92E.	lit buoy, <i>Fl(5)Y.20 s</i>
21° 31′.40S., 114° 54′.90E.	lit buoy, <i>Fl(5)Y.20s</i>
*21° 35′.13S., 114° 56′.38E.	lit buoy, <i>Fl(5)Y.20s</i>
*21° 35′.17S., 114° 56′.38E.	5 poly floats
21° 36′.30S., 115° 04′.94E.	lit buoy, <i>Fl(5)Y.20s</i>
21° 36′.30S., 115° 04′.75E.	5 poly floats
21° 39′.32S., 115° 00′.77E.	lit buoy, <i>Fl(5)Y.20s</i>

* Indicates new or revised entry.

2. Former Notice 6862(T)/09 is cancelled.

Charts affected - Aus 64 - Aus 328 - Aus 743

II

699(T)/10 AUSTRALIA - Western Australia - Thevenard Island to Exmouth Plateau - Scientific instruments. Buoyage.

Source: Australian Notice 1/79(T)/10

1. Until 31 January 2011, scientific instruments exist as follows:

<i>Position (WGS84 Datum)</i>	<i>Remarks</i>
19° 55'·44S., 113° 14'·28E.	subsurface
19° 55'·56S., 113° 13'·74E.	lit buoy, <i>Fl(5)Y.20s</i>
20° 35'·94S., 114° 43'·44E.	subsurface
20° 36'·48S., 114° 44'·88E.	subsurface
20° 37'·56S., 114° 47'·94E.	subsurface
20° 45'·48S., 114° 55'·92E.	subsurface
21° 08'·34S., 115° 18'·30E.	lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats
21° 20'·52S., 115° 03'·30E.	lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats
20° 59'·28S., 115° 09'·78E.	lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats
21° 02'·04S., 115° 10'·56E.	lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats
21° 12'·30S., 115° 09'·00E.	lit buoy, <i>Fl(5)Y.20s</i> and 2 white poly-floats

Charts affected - Aus 64 - Aus 328 - Aus 415 - Aus 416 - Aus 742 - Aus 743

700(T)/10 AUSTRALIA - Western Australia - Northern Approaches to Fremantle - Alkimos Reef - Works. Outfall. Restricted area. Buoyage.

Source: Australian Notice 1/82(T)/10

1. Until 31 August 2010, works associated with the construction of an outfall pipeline are in progress within the following area:

<i>Position (WGS84 Datum)</i>
31° 36'·66S., 115° 39'·63E.
31° 37'·91S., 115° 36'·30E.
31° 38'·41S., 115° 36'·56E.
31° 37'·21S., 115° 39'·76E.

2. An exclusion zone marked by special spar light-buoys exists within the area.
3. Support vessels are on site to direct vessel traffic and can be contacted on VHF Ch 16.

Chart affected - Aus 754

701(T)/10 AUSTRALIA - Western Australia - Bunbury - Binningup - Works. Submarine pipelines. Restricted area. Buoyage.

Source: Australian Notice 1/85(T)/10

1. Until 13 January 2012, works associated with the installation of submarine pipelines are in progress in the following area:

<i>Position (WGS84 Datum)</i>
33° 07'·53S., 115° 41'·39E.
33° 07'·52S., 115° 40'·51E.
33° 08'·07S., 115° 40'·50E.
33° 08'·08S., 115° 41'·38E.

2. An exclusion zone marked by special light buoys exists within the area.
3. A barge and support vessels are on site and can be contacted on VHF Ch 12 and Ch 16.

Charts affected - Aus 115 - Aus 755

II

702(T)/10 AUSTRALIA - South Australia - Port Stanvac - Works. Buoyage. Restricted area.

Source: Australian Notice 1/87(T)/10

1. Until 31 January 2011, installation of infrastructure for a desalination plant are in progress in the area bounded by the following positions (WGS84 Datum):

*35° 05'·99S., 138° 28'·69E. (shore)

*35° 05'·74S., 138° 28'·06E.

*35° 06'·10S., 138° 27'·85E.

*35° 06'·36S., 138° 28'·42E. (shore)

* Indicates new or revised entry.

2. The boundary is marked by special light-buoys.
3. All vessels associated with the works will display appropriate lights and shapes.
4. Unauthorised vessels are prohibited from entering the area.
5. Former Notice 6032(T)/09 is cancelled.

Charts affected - Aus 125 - Aus 780 - Aus 781

703(T)/10 AUSTRALIA - Tasmania - River Tamar - Windermere - Obstruction.

Source: Australian Notice 1/92(T)/10

1. A submerged cable exists in the vicinity of position 41° 19'·08S., 147° 00'·23E.(WGS84 Datum).

Chart affected - Aus 168

704(T)/10 AUSTRALIA - Western Australia - Fremantle - Eleanor Rocks North-eastwards - Works. Restricted area. Lights.

Source: Australian Notice 1/83(T)/10

1. Works associated with the construction of the new seawall are in progress.
2. * An exclusion zone exists in the area bounded by the following positions:

<i>Position (WGS84 Datum)</i>	<i>Remarks</i>
32° 02'·41S., 115° 44'·44E. (shore)	
32° 02'·34S., 115° 44'·41E.	
*(a) 32° 02'·37S., 115° 44'·15E.	A lit (<i>Fl.Y.2s</i>) floating pipeline exists between positions (a) to (d)
*(b) 32° 02'·07S., 115° 43'·91E.	
*(c) 32° 02'·10S., 115° 43'·79E.	
*(d) 32° 02'·43S., 115° 44'·04E.	
32° 02'·71S., 115° 43'·83E.	
32° 02'·81S., 115° 43'·87E. (shore)	

3. * A 50m exclusion zone exists around all dredges and support vessels operating within Port of Fremantle waters and 30m while at berth.
4. Mariners are advised to navigate with caution in the area.
* Indicates new or revised entry.
5. Former Notice 4964(T)/09 is cancelled.

Charts affected - Aus 112 - Aus 113

II

685(T)/10 SOUTH PACIFIC OCEAN - Norfolk Island - Rocky Point Westwards - Wreck. Buoyage.

Source: Australian Notice 1/51(T)/10

1. A wreck marked by buoys exists in position 29° 03'·27S., 167° 52'·41E. (WGS84 Datum).

Chart affected - Aus 609

660(P)/10 COLOMBIA - Caribbean Sea Coast - Bahía de Cartagena - Mamonal Oil Terminal - Anchorage areas.

Source: Colombian Notice 95/09 & 99/09

1. A new Anchorage area 'A' has been established within an area bounded by the following positions:

10° 18'·75N., 75° 31'·03W.

10° 19'·50N., 75° 31'·03W.

10° 19'·50N., 75° 32'·10W.

10° 18'·75N., 75° 31'·80W.

2. Charted anchorage area 'A' centred on position 10° 19'·02N., 75° 31'·26W. has been discontinued.
3. A new Anchorage area 'Tankers' has been established within an area bounded by the following positions:

10° 18'·14N., 75° 32'·48W.

10° 18'·73N., 75° 32'·48W.

10° 18'·73N., 75° 33'·70W.

10° 18'·14N., 75° 33'·70W.

4. Charted anchorage area 'Tankers' centred on position 10° 18'·37N., 75° 33'·08W. has been discontinued.

Chart affected - 2434

II

657(P)/10 UNITED STATES OF AMERICA - East Coast - New York Harbor, Upper Bay, Lower Bay and Approaches - Obstructions. Rocks. Wrecks. Depths. Barge.

Source: US Charts 12327, 12334 & US Notice 49/12327/09

1. Obstructions exist in the following positions:

<i>Depth</i>	<i>Position</i>
14ft	40° 40'·46N., 74° 03'·00W.
35ft, replaces 36ft depth	40° 40'·27N., 74° 01'·38W.
25ft, replaces 28ft obstruction	40° 40'·26N., 74° 03'·05W.
19ft, replaces 22ft depth	40° 39'·96N., 74° 03'·34W.
46ft	40° 39'·70N., 74° 02'·95W.
20ft	40° 39'·68N., 74° 00'·88W.
34ft, replaces 36ft obstruction	40° 39'·60N., 74° 02'·83W.
35ft	40° 39'·54N., 74° 02'·49W.
21ft	40° 39'·47N., 74° 04'·24W.
20ft	40° 39'·22N., 74° 04'·76W.
18ft	40° 39'·20N., 74° 04'·14W.
20ft	40° 39'·16N., 74° 04'·54W.
19ft, replaces 21ft depth	40° 39'·15N., 74° 04'·14W.
36ft	40° 39'·05N., 74° 05'·37W.
42ft	40° 38'·93N., 74° 03'·15W.
48ft	40° 38'·35N., 74° 02'·94W.
40ft	40° 38'·22N., 74° 02'·54W.
50ft	40° 37'·55N., 74° 03'·88W.
12ft	40° 37'·53N., 74° 02'·55W.
48ft, replaces 53ft depth	40° 37'·24N., 74° 03'·26W.
16ft	40° 37'·15N., 74° 02'·58W.
63ft	40° 36'·86N., 74° 02'·94W.
50ft	40° 36'·15N., 74° 03'·03W.
17ft (2,5fms)	40° 36'·01N., 74° 01'·27W.
30ft (5fms)	40° 35'·81N., 74° 02'·98W.
	40° 35'·55N., 74° 00'·08W.
	40° 35'·23N., 74° 00'·04W.
26ft	40° 34'·88N., 74° 02'·50W.
21ft (3,3fms)	40° 34'·77N., 74° 01'·18W.
13ft, replaces 16ft depth	40° 33'·97N., 73° 59'·70W.

2. Obstructions exist in the following positions:

<i>Depth</i>	<i>Position</i>
15ft	40° 33'·94N., 73° 59'·54W.
20ft	40° 33'·79N., 74° 00'·90W.
30ft (5fms)	40° 33'·77N., 73° 55'·62W.
* 25ft	40° 32'·71N., 74° 02'·28W.
*	40° 32'·52N., 74° 02'·33W.
21ft, replaces 22ft obstruction	40° 32'·45N., 74° 02'·39W.
* 24ft, replaces 26ft depth	40° 32'·36N., 74° 02'·39W.
	40° 32'·29N., 73° 56'·72W.
* 23ft	40° 31'·44N., 74° 02'·32W.
* 18ft	40° 30'·71N., 74° 02'·48W.
19ft	40° 30'·29N., 74° 00'·84W.
22ft	40° 30'·19N., 74° 00'·35W.

II

657(P)/10 UNITED STATES OF AMERICA - East Coast - New York Harbor, Upper Bay, Lower Bay and Approaches - Obstructions. Rocks. Wrecks. Depths. Barge. (continued)

3. The following obstructions no longer exist:

<i>Depth</i>	<i>Position</i>
25ft	40° 41' 11N., 74° 01' 05W. 40° 40' 86N., 74° 04' 11W. 40° 38' 38N., 74° 03' 10W.
* 27ft	40° 32' 41N., 74° 02' 19W.
15ft	40° 32' 26N., 73° 56' 81W.
* 24ft	40° 31' 90N., 74° 02' 26W.
* 28ft	40° 31' 73N., 74° 02' 43W.

4. *Numerous obstructions exist in Chapel Hill North Channel.

5. Rocks exist in the following positions:

<i>Depth</i>	<i>Position</i>
11ft, replaces 12ft depth	40° 39' 76N., 74° 01' 86W.
13ft (2,1fms,) replaces 17ft depth	40° 35' 83N., 74° 01' 01W.
19ft	40° 31' 60N., 73° 57' 71W.
24ft	40° 31' 47N., 74° 02' 28W.
20ft, replaces 23ft depth	40° 31' 14N., 74° 02' 05W.
17ft	40° 30' 80N., 74° 01' 89W.
16ft, replaces 17ft depth	40° 30' 61N., 74° 01' 28W.
21ft	40° 30' 18N., 74° 00' 50W.

6. Wrecks exist in the following positions:

<i>Depth</i>	<i>Position</i>
54ft	40° 37' 18N., 74° 03' 79W.
22ft (3,4fms)	40° 34' 31N., 73° 54' 45W.
23ft (3,5fms,) replaces 4ft depth	40° 33' 17N., 74° 01' 06W.

7. The dangerous wreck, ED, in position 40° 33' 30N., 73° 56' 74W. no longer exists.

8. Depths less than charted exist in the following positions:

<i>Depth</i>	<i>Position</i>
26ft	40° 40' 66N., 74° 03' 82W.
31ft	40° 40' 07N., 74° 01' 85W. 40° 39' 97N., 74° 01' 91W.
18ft	40° 39' 94N., 74° 05' 01W.
33ft	40° 39' 90N., 74° 02' 31W.
25ft	40° 40' 44N., 74° 03' 48W. 40° 39' 84N., 74° 04' 73W.
27ft, replaces 29ft depth	40° 39' 79N., 74° 00' 90W.
24ft	40° 39' 76N., 74° 04' 51W.
32ft, replaces 36ft depth	40° 39' 25N., 74° 02' 56W.
19ft	40° 38' 75N., 74° 04' 34W. 40° 37' 82N., 74° 04' 32W.
50ft	40° 37' 37N., 74° 03' 80W.
11ft, replaces 18ft depth	40° 33' 71N., 74° 02' 77W.
5ft	40° 33' 63N., 73° 58' 38W. 40° 33' 58N., 73° 58' 62W.
9ft	40° 33' 41N., 73° 56' 81W.
12ft	40° 32' 18N., 74° 01' 81W.
13ft	40° 36' 73N., 74° 03' 56W. 40° 30' 91N., 74° 01' 25W.
8ft	40° 30' 14N., 73° 59' 80W.

9. Shoaling has been reported to the west of Rockaway Inlet in the vicinity of position 40° 32' 9N., 73° 57' 7W.

II

657(P)/10 UNITED STATES OF AMERICA - East Coast - New York Harbor, Upper Bay, Lower Bay and Approaches - Obstructions. Rocks. Wrecks. Depths. Barge. (continued)

10. Four mooring barges exist in the vicinity of Jersey Flats, in the following positions:

40° 40′.57N., 74° 02′.95W.

40° 40′.47N., 74° 03′.18W.

40° 39′.97N., 74° 03′.38W.

40° 39′.86N., 74° 03′.50W.

11. Mariners are advised to navigate with caution in the area.

(All positions are referred to NAD83 Datum.)

* Indicates new or revised entry

12. Former Notice 6138(P)/09 is cancelled.

Charts affected - 3204 - 3456 - 3457 - 3459

To accompany Notice to Mariners 627/10

On Chart 1444

OIL AND GAS FIELDS
Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

To accompany Notice to Mariners 667/10

On Chart 2442

OIL AND GAS FIELDS
Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.
Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 2443

OIL AND GAS FIELDS
Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.
Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 2444

OIL AND GAS FIELDS

Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 2886

OIL AND GAS FIELDS

Within the areas covered by larger scale charts, certain fixed structures, pipelines and cables have been omitted due to their complexity and frequent change. The appropriate larger scale charts should be used in these areas. Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures. Additionally and in accordance with Saudi Ports Authority Notices to Mariners, the majority of oil and gas field features have been omitted from this chart within the Saudi Arabian EEZ.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 2887

OIL AND GAS FIELDS

Within the areas covered by larger scale charts, certain fixed structures, pipelines and cables have been omitted due to their complexity and frequent change. The appropriate larger scale charts should be used in these areas. Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 2889

OIL AND GAS FIELDS

Within the areas covered by larger scale charts, certain fixed structures, pipelines and cables have been omitted due to their complexity and frequent change. The appropriate larger scale charts should be used in these areas. Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 3177

OIL AND GAS FIELDS

Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 3178

OIL AND GAS FIELDS

Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 3179

OIL AND GAS FIELDS

Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 3413

OIL AND GAS FIELDS

Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 3950

OIL AND GAS FIELDS

Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 667/10

On Chart 3951

OIL AND GAS FIELDS

Production platforms and associated structures, including tanker moorings, storage tankers and platforms on pipelines, generally exhibit Mo(U) lights, aircraft obstruction lights and audible fog signals. Unauthorised navigation is prohibited within 500 metres of all such structures.

Within Abu Dhabi waters, mariners are strongly advised to contact the Critical National Infrastructure Authority (CNIA) at Abu Dhabi, in advance, to obtain the necessary permissions to enter the restricted areas. Telephone +9712 6550900 or +9712 6550909, FAX +9712 6550919. For more information, including a list of oil and gas fields affected, all current Admiralty Preliminary Notices to Mariners relevant to this chart should be consulted.

To accompany Notice to Mariners 668/10

On Chart 2276

BUOYAGE

Buoys on this chart may be periodically removed or temporarily moved. For the latest information consult the local authorities.

To accompany Notice to Mariners 739/10

On Chart 3692

SOUTHEAST SHOAL

Depths on Southeast Shoal are subject to constant change and may be less than charted.

To accompany Notice to Mariners 740/10

On Chart 3692

CHANNEL DEPTHS (see Note)

PORT CANAVERAL								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2005 AND SURVEYS TO OCT 2009								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OUTER REACH	42.0	41.7	41.4	41.1	10-09	400	4.7	44
MIDDLE REACH	40.1	41.1	41.1	39.6	10-09	400	0.9	44
INNER REACH	39.2	41.8	41.3	37.8	9-09	400	0.7	40
WEST ACCESS CHANNEL (EAST PORTION)	37.9	39.7	40.2	36.9	9-09	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	35.3	35.1	35.1	34.3	9-09	400	0.3	31

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

To accompany Notice to Mariners 741/10

On Chart 2804

CHANNEL DEPTHS (see Note)								
WINYAH BAY AND GEORGETOWN HARBOR								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2009 AND SURVEYS TO AUG 2009								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	25.0	25.9	24.8	16.5	8-09	600	2.4	27
RANGE B	25.8	28.9	29.1	25.9	8-09	600	1.0	27
SOUTH ISLAND BEND	30.2	A	A	A	8-09	600	1.2	27
RANGE C	18.0	20.6	20.6	25.7	8-09	400	1.7	27
RANGE D	25.8	28.1	28.1	27.9	8-09	400B	1.7	27
RANGE E	23.3	24.3	24.3	23.8	8-09	400B	5.7	27
FRAZIER PT. BEND	21.9	21.6	21.6	22.8	8-09	400B	0.7	27
RABBIT ISLAND CHANNEL	23.4	24.3	24.3	23.6	8-09	400B	2.2	27
SAMPIT PT. CHANNEL	12.9	13.8	13.8	14.5	8-09	400B		27
A. NO SOUNDINGS BECAUSE OF SEVERE SHOALING. BUOYS MARK THE DEEPER WATER.								
B. MAINTAINED 300'.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

To accompany Notice to Mariners 742/10

On Chart 2603

CHANNEL DEPTHS (see Note)								
CHRISTINA RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2009								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (FEET)	
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	38.4	38.6	38.4	8-09	500-340	0.70	38	
THENCE TO THE LOBDELL CANAL TURNING BASIN	35.5	35.5	35.2	8-09	400	0.33	35	
(OPPOSITE TERMINAL WHARF)		A38.3		8-09	320	0.34	38	
A. REPORTED DEPTH IS FOR FULL WIDTH OF BASIN.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

To accompany Notice to Mariners 749/10

On Chart 590

CHANNEL DEPTHS (see Note)							
SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2009							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
1. SUISUN PT. REACH	44	46	48	11-08	300	0.8	35
2. BULLS HEAD CHANNEL	34	33	35	3, 8-09	300-350	1.2	35
3. EAST BULLS HEAD CHANNEL	33	34	34	11-08	350	1.1	35
4. PT. EDITH CROSSING RANGE	36	34	32	11-08	350	1.1	35
5. PRESTON PT. REACH	35	34	31	11-08	350	0.9	35
6. ROE ISLAND CHANNEL	34	34	34	11-08	350	1.1	35
7. PORT CHICAGO REACH MIDDLE GROUND CHANNEL	37	37	37	11-08	350	0.52	35
8. WEST REACH	37	37	35	11-08	350	1.29	35
9. EAST REACH	35	38	37	11-08	350	1.09	35

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

To accompany Notice to Mariners 764/2010

On Chart 172

CHART 1018: POSITIONS
To agree with the adjoining chart 1018, which is referred to WGS84 Datum, positions read from chart 172 must be adjusted by 0-04 minutes NORTHWARD.

To accompany Notice to Mariners 764/2010

On Chart 193

CHARTS 2122 AND 2123: POSITIONS
To agree with the smaller scale charts 2122 and 2123, which are referred to WGS84 Datum, positions read from chart 193 (plan, Isola di Pantelleria) must be adjusted by 0-07 minutes SOUTHWARD and 0-05 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 193

CHART 2124: POSITIONS
To agree with the smaller scale chart 2124, which is referred to WGS84 Datum, positions read from chart 193 (plan, Isola di Lampedusa) must be adjusted by 0-07 minutes SOUTHWARD and 0-05 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 193

CHARTS 2123 AND 2124: POSITIONS
To agree with the smaller scale charts 2123 and 2124, which are referred to WGS84 Datum, positions read from chart 193 (plan, Isola di Linosa) must be adjusted by 0.07 minutes SOUTHWARD and 0.04 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 201

CHART 1471: POSITIONS
To agree with the adjoining chart 1471, which is referred to WGS84 Datum, positions read from chart 201 must be adjusted by 0.01 minutes SOUTHWARD and 0.27 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 204

CHARTS 1467 AND 1483: POSITIONS
To agree with the larger scale charts 1467 and 1483, which are referred to Monte Mario 1940 Datum, positions read from chart 204 must be adjusted by 0.04 minutes SOUTHWARD and 0.01 minutes EASTWARD.

To accompany Notice to Mariners 764/2010

On Chart 805

CHART 172: POSITIONS
To agree with the smaller scale chart 172, which is referred to Monte Mario 1940 Datum, positions read from chart 805 (plan A) must be adjusted by 0.10 minutes SOUTHWARD and 0.04 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 805

CHART 1018: POSITIONS
To agree with the adjoining chart 1018, which is referred to WGS84 Datum, positions read from chart 805 must be adjusted by 0.06 minutes SOUTHWARD and 0.04 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 964

CHART 2122: POSITIONS
To agree with the smaller scale chart 2122, which is referred to WGS84 Datum, positions read from chart 964 must be adjusted by 0-07 minutes SOUTHWARD and 0-05 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 965

CHART 2123: POSITIONS
To agree with the smaller scale chart 2123, which is referred to WGS84 Datum, positions read from chart 965 (Plans A, C, D and E) must be adjusted by 0-04 minutes NORTHWARD.

To accompany Notice to Mariners 764/2010

On Chart 1019

CHART 1018: POSITIONS
To agree with the smaller scale chart 1018, which is referred to WGS 84 Datum, positions read from chart 1019 must be adjusted by 0-06 minutes SOUTHWARD and 0-04 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 1426

CHART 1471: POSITIONS
To agree with the smaller scale chart 1471, which is referred to WGS84 Datum, positions read from chart 1426 must be adjusted by 0-02 minutes SOUTHWARD and 0-28 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 1473

CHART 1483: POSITIONS
To agree with the smaller scale chart 1483, which is referred to Monte Mario 1940 Datum, positions read from chart 1473 must be adjusted by 0-04 minutes SOUTHWARD and 0-01 minutes EASTWARD.

To accompany Notice to Mariners 764/2010

On Chart 1941

CHARTS 140 (Plan B), 172, 187 AND 805
(Plan C): POSITIONS
To agree with the larger scale charts 140 (Plan B), 172 and 805 (Plan C) and adjoining chart 187 which are referred to Monte Mario 1940 Datum, positions read from chart 1941 must be adjusted by 0.10 minutes SOUTHWARD and 0.04 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 1941

CHART 1018: POSITIONS
To agree with the larger scale chart 1018, which is referred to WGS84 Datum, positions read from chart 1941 must be adjusted by 0.06 minutes SOUTHWARD and 0.04 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 1941

CHARTS 992, 2123 AND 2124: POSITIONS
To agree with the larger scale chart 992 (Plan C) and adjoining charts 2123 and 2124, which are referred to WGS84 Datum, positions read from chart 1941 must be adjusted by 0.07 minutes SOUTHWARD and 0.04 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 1976

CHART 172: POSITIONS
To agree with the larger scale chart 172, which is referred to Monte Mario 1940 Datum, positions read from chart 1976 must be adjusted by 0.10 minutes SOUTHWARD and 0.04 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 1976

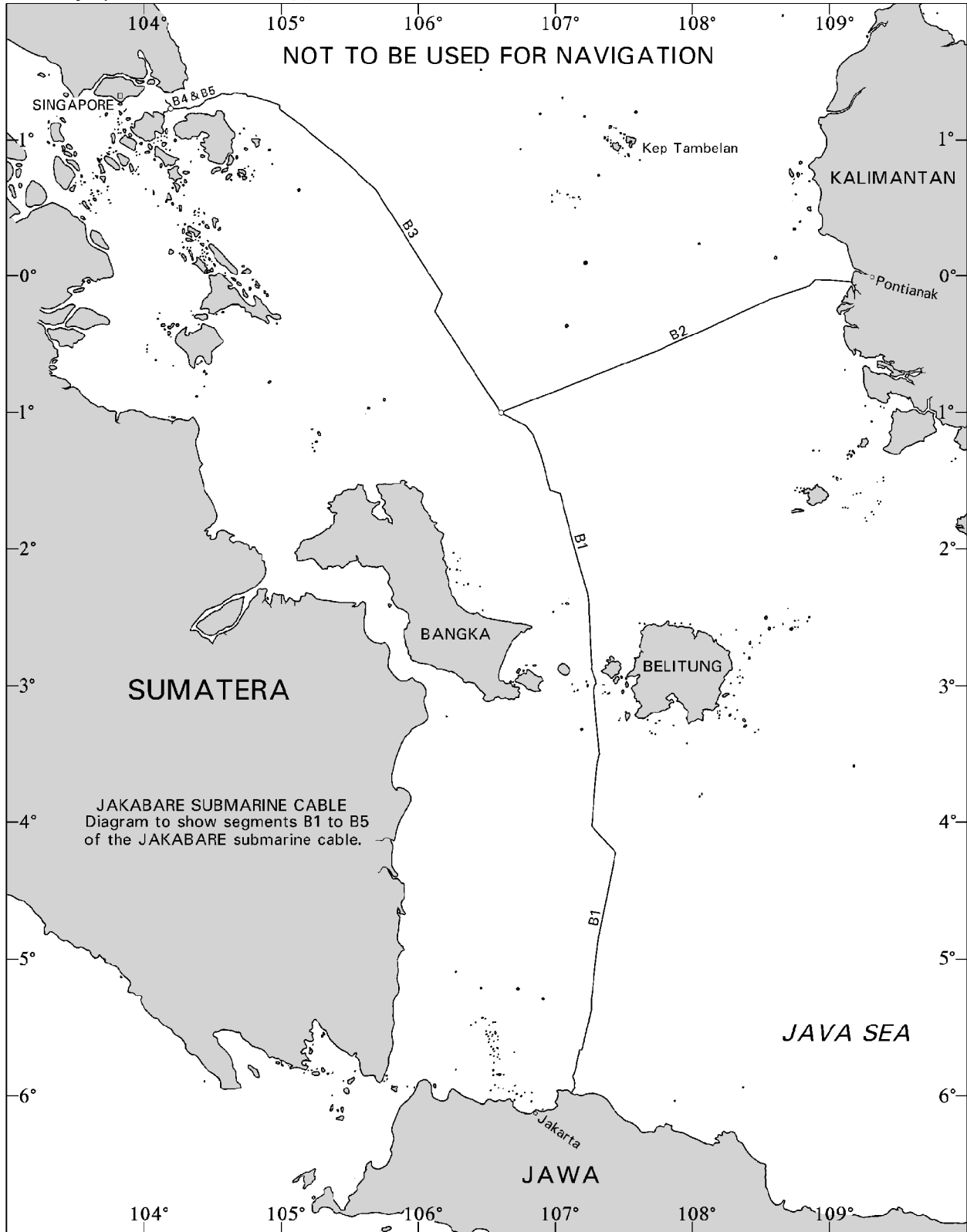
CHART 2122: POSITIONS
To agree with the adjoining chart 2122, which is referred to WGS84 Datum, positions read from chart 1976 must be adjusted by 0.07 minutes SOUTHWARD and 0.04 minutes WESTWARD.

To accompany Notice to Mariners 764/2010

On Chart 3403

CHART 193: POSITIONS

To agree with the larger scale chart 193, which is referred to ED50, positions read from chart 3403 must be adjusted by 0.07 minutes NORTHWARD and 0.05 minutes EASTWARD.



To accompany Notice to Mariners 729/10

On Chart Aus 55

HISTORIC WRECK
The site of an historic wreck is protected from unauthorised interference. For details see Australian Seafarers Handbook AHP 20.

To accompany Notice to Mariners 729/10

On Chart Aus 56

HISTORIC WRECK
The site of an historic wreck is protected from unauthorised interference. For details see Australian Seafarers Handbook AHP 20.

To accompany Notice to Mariners 736/10

On Chart 1571

RESTRICTED AREAS
(39°10'N 23° 30'E)
For details of the restricted areas in Liménas Skiathos, see Admiralty Sailing Directions.

To accompany Notice to Mariners 760/10

On Chart 3969

RESTRICTED AREA-NATURE RESERVE
Inside the restricted area around Ilha do Arvoredo (27° 17'·0S 48° 22'·0W), Ilha Deserta (27° 16'·3S 48° 19'·8W) and Ilha da Galé (27° 10'·9S 48° 24'·4W) and the area around Ilha dos Lobos (29° 20'·8S 49° 42'·1W), hunting, fishing and any action which could alter the environment are prohibited. Anchoring in these restricted areas is prohibited, as is landing on these islands unless authorised by the Brazilian Navy.

To accompany Notice to Mariners 762/10

On Chart 2244

MARINE RESERVES
Within Larvotto Marine Reserve (43° 44'·8N 7° 26'·3E) and Spélugues Marine Reserve (43° 44'·3N 7° 25'·8E) anchoring, fishing and entry for powered vessels are prohibited.

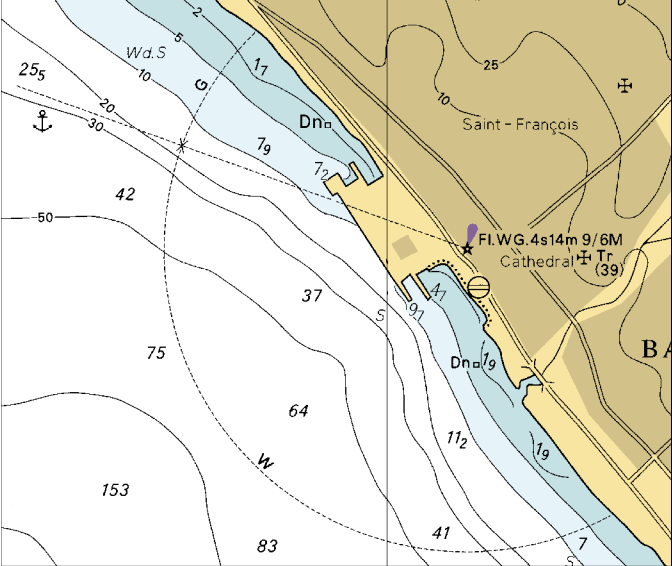
To accompany Notice to Mariners 762/10

On Chart 2245

MARINE RESERVES

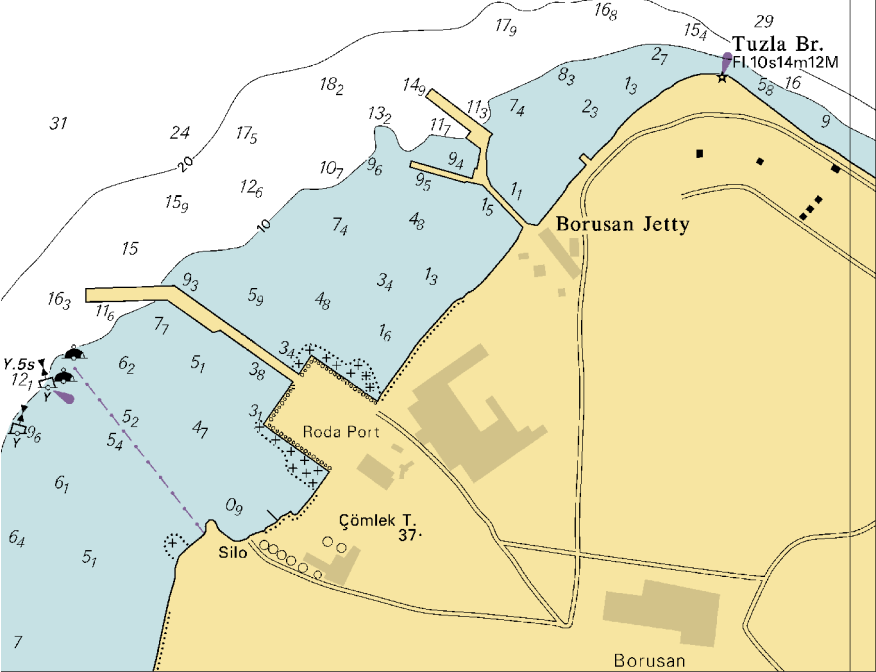
Within Larvotto Marine Reserve (43° 44'·8N 7° 26'·3E) and Spélugues Marine Reserve (43° 44'·3N 7° 25'·8E) anchoring, fishing and entry for powered vessels are prohibited.

To accompany Notice to Mariners 624/10. Image Size (mm) 75 by 88.7



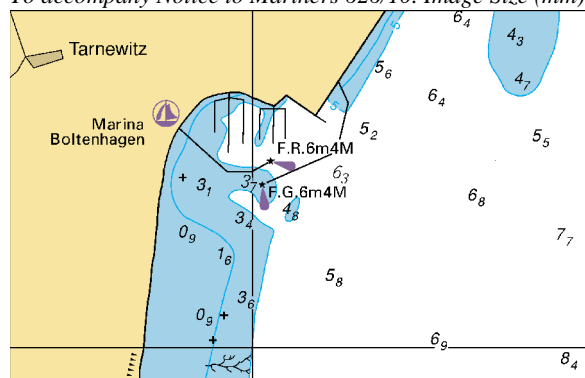
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To accompany Notice to Mariners 625/10. Image Size (mm) 89 by 115.6



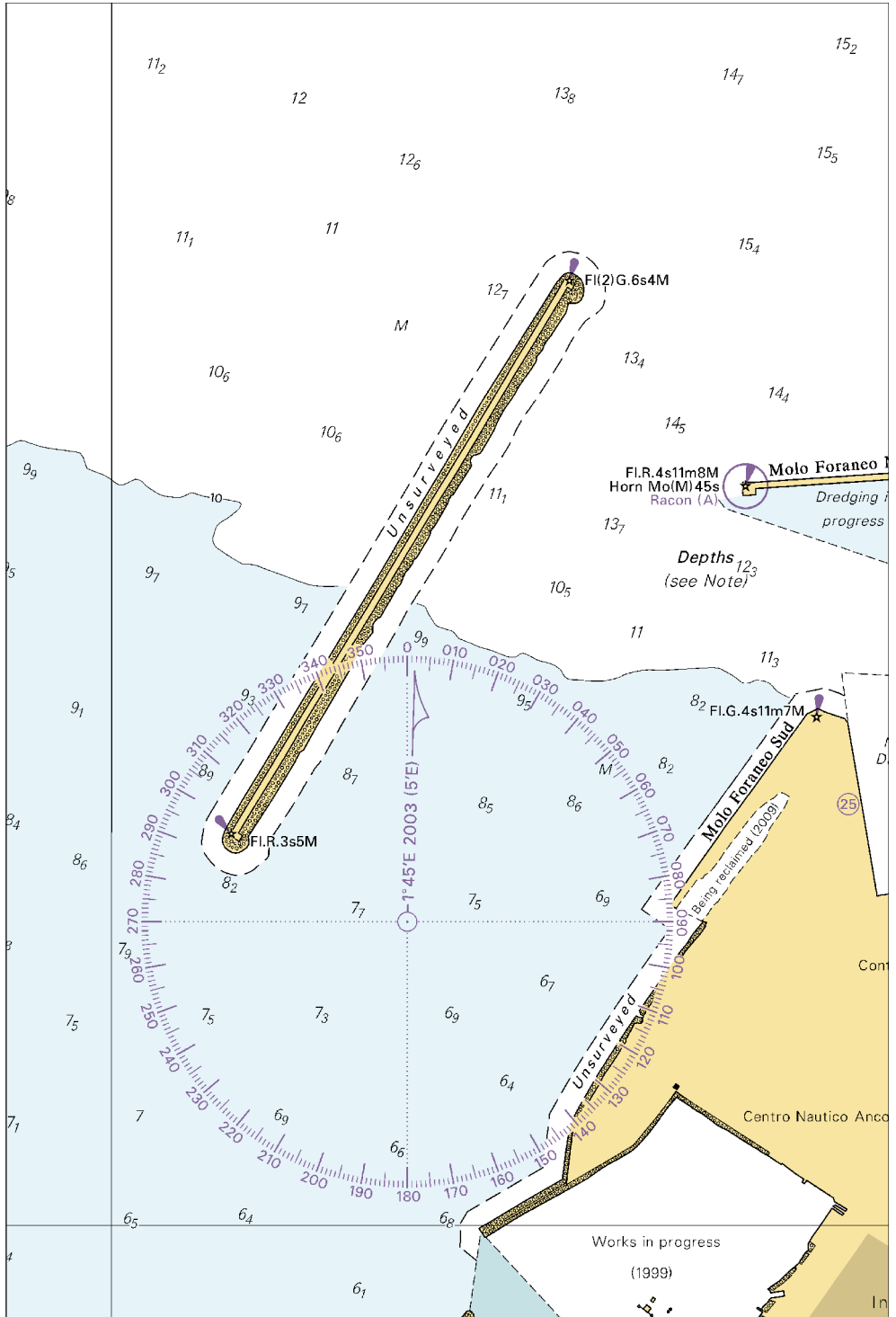
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To accompany Notice to Mariners 626/10. Image Size (mm) 49.2 by 76.6



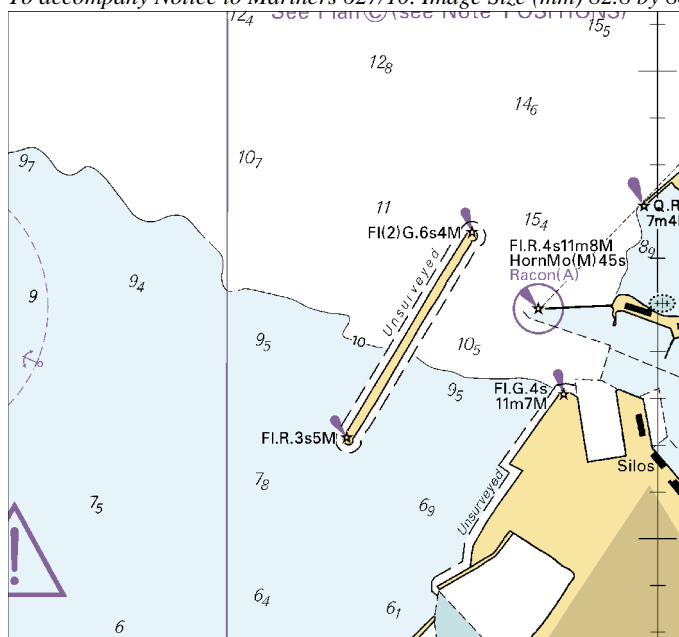
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To accompany Notice to Mariners 627/10. Image Size (mm) 193.4 by 129.8

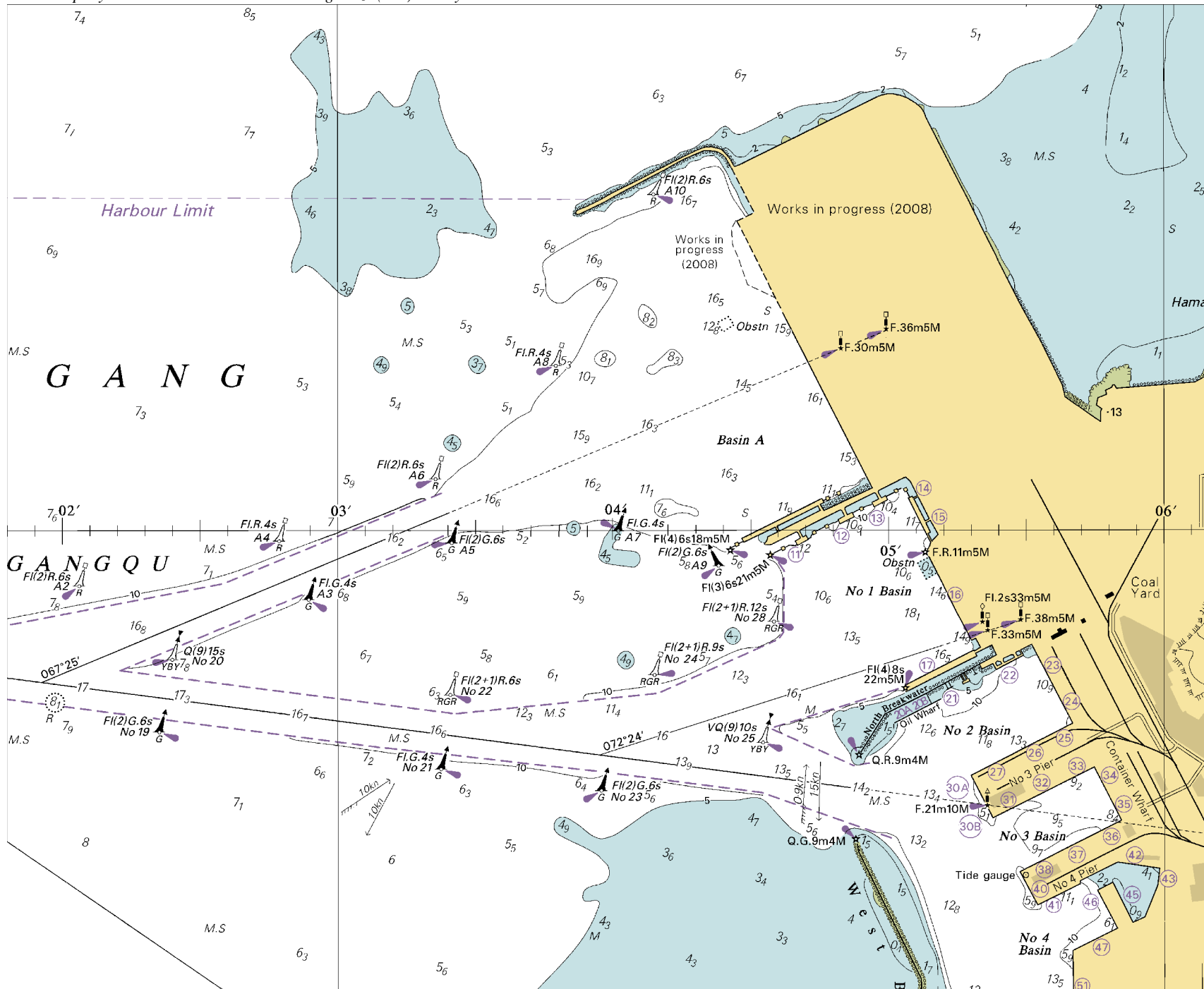


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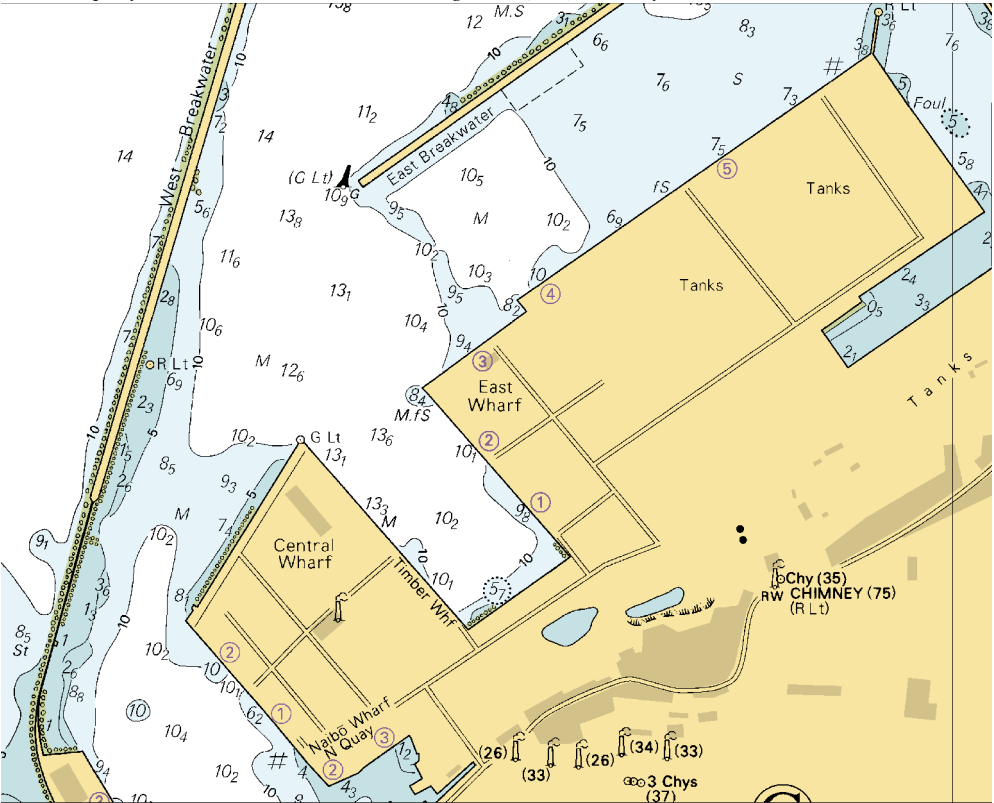
To accompany Notice to Mariners 627/10. Image Size (mm) 82.8 by 88.8



Block B for Chart No 1444

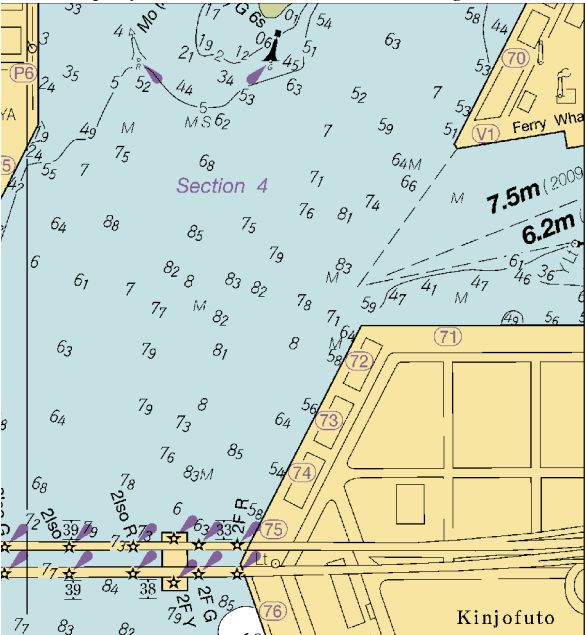


To accompany Notice to Mariners 633/10. Image Size (mm) 105.6 by 131



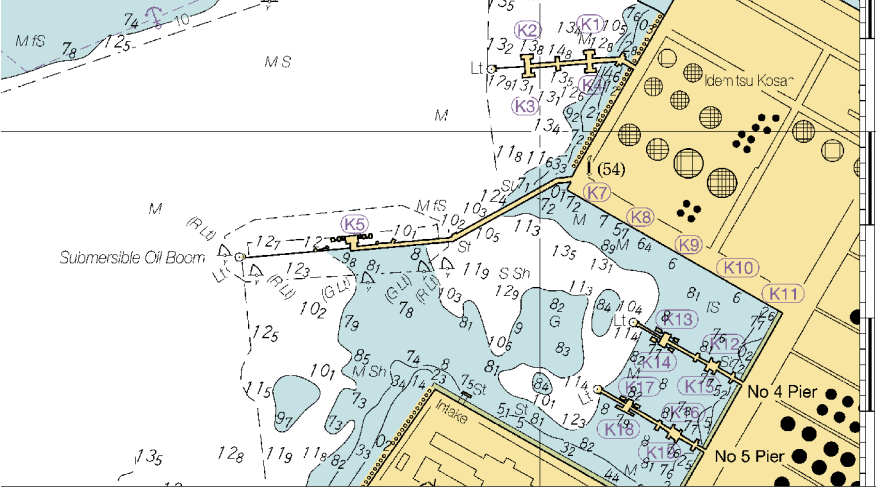
Block for Chart No 1342

To accompany Notice to Mariners 634/10. Image Size (mm) 83.8 by 77.1



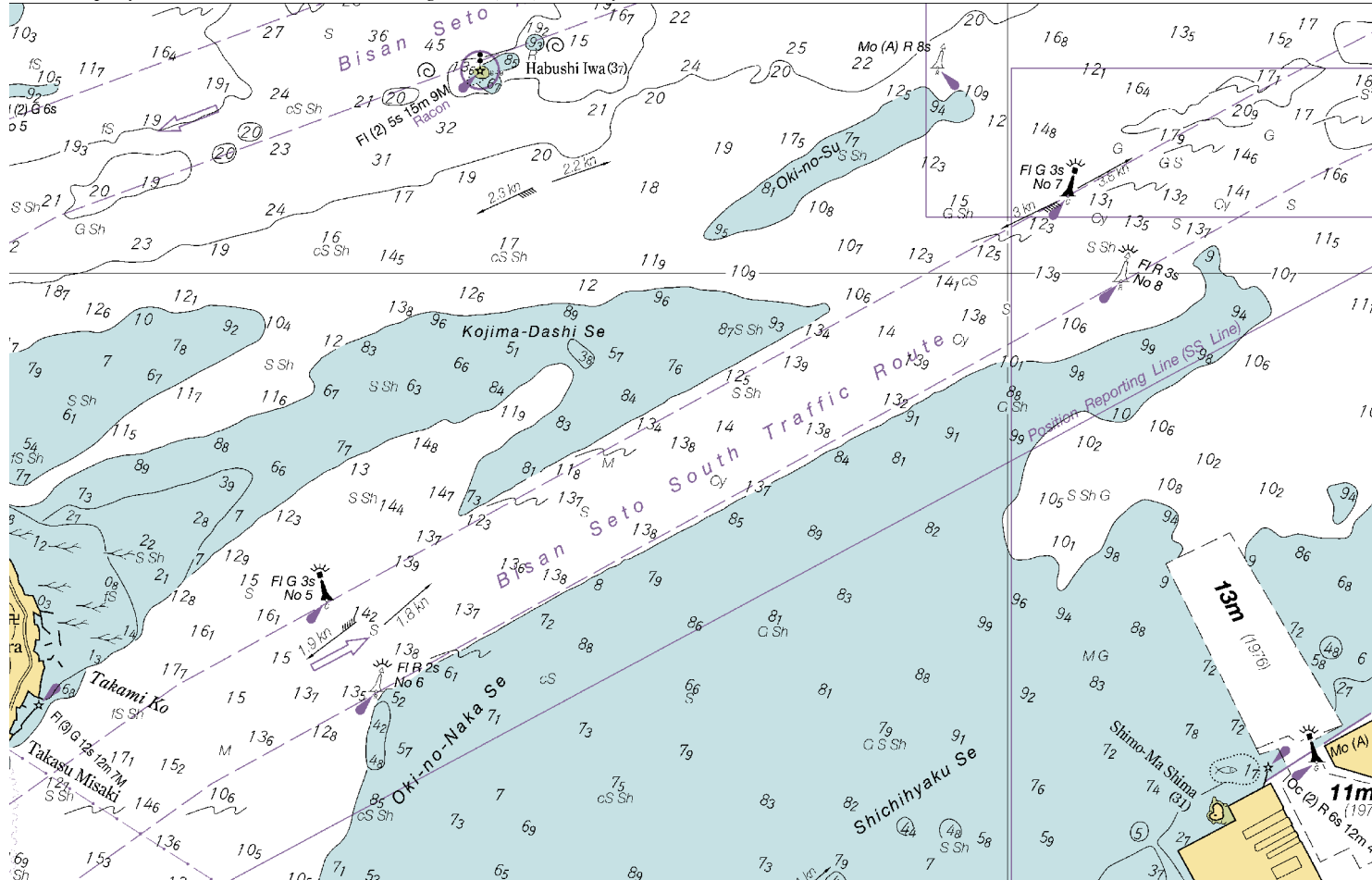
Block for Chart No JP1055A

To accompany Notice to Mariners 634/10. Image Size (mm) 64.5 by 115.9



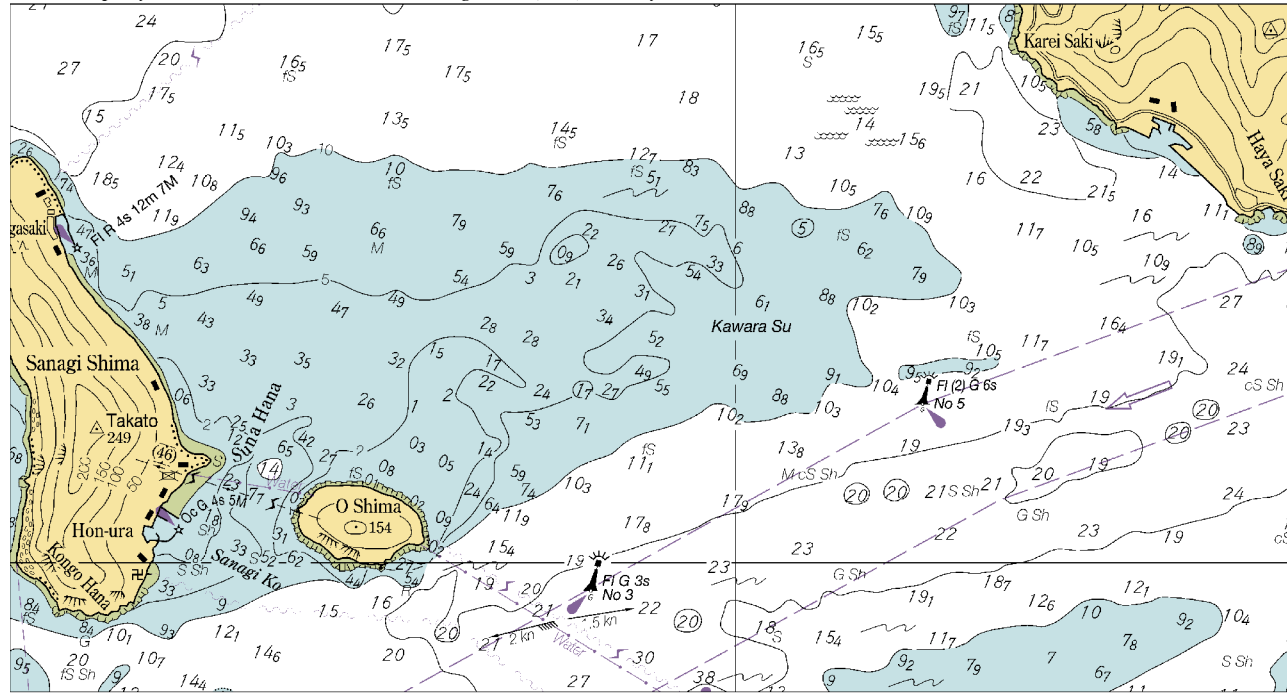
Block for Chart No JP1055B

To accompany Notice to Mariners 635/10. Image Size (mm) 125.3 by 195.8



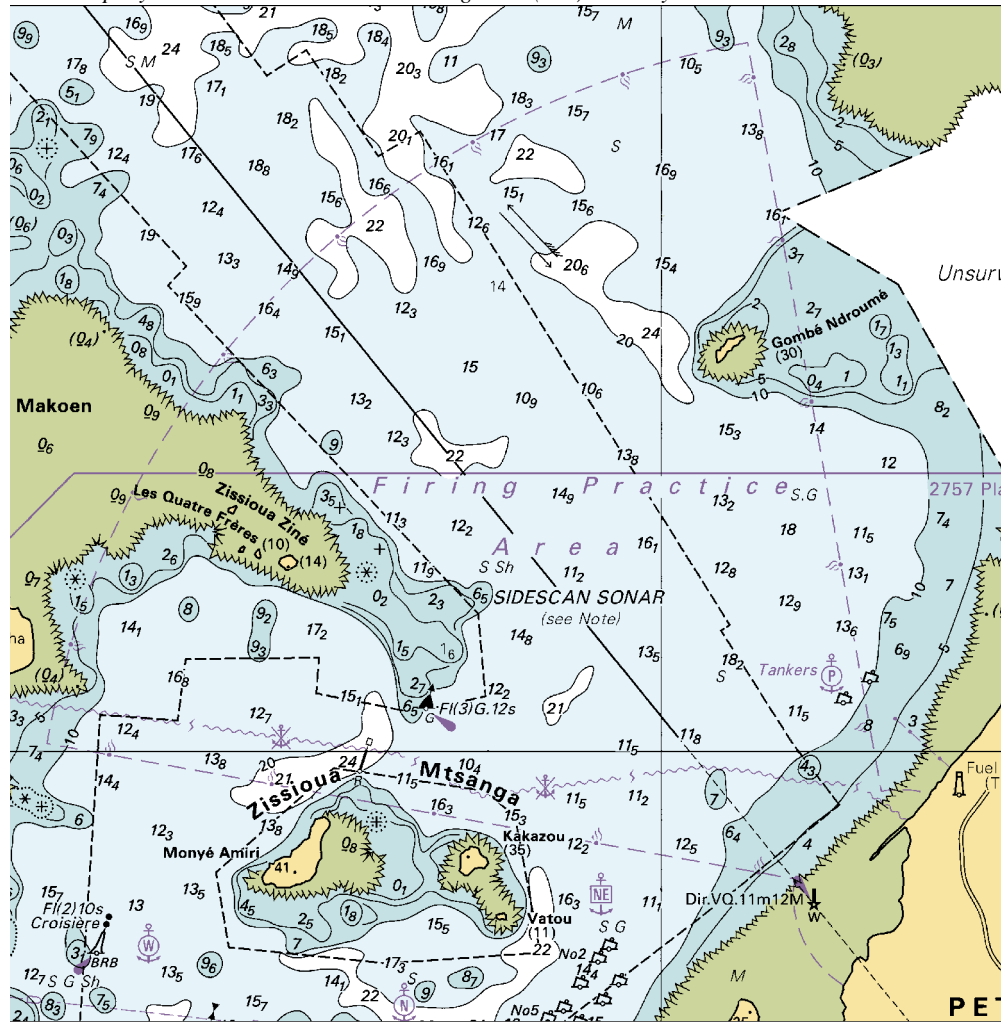
Block A for Chart No JP137B

To accompany Notice to Mariners 635/10. Image Size (mm) 90.9 by 170.2



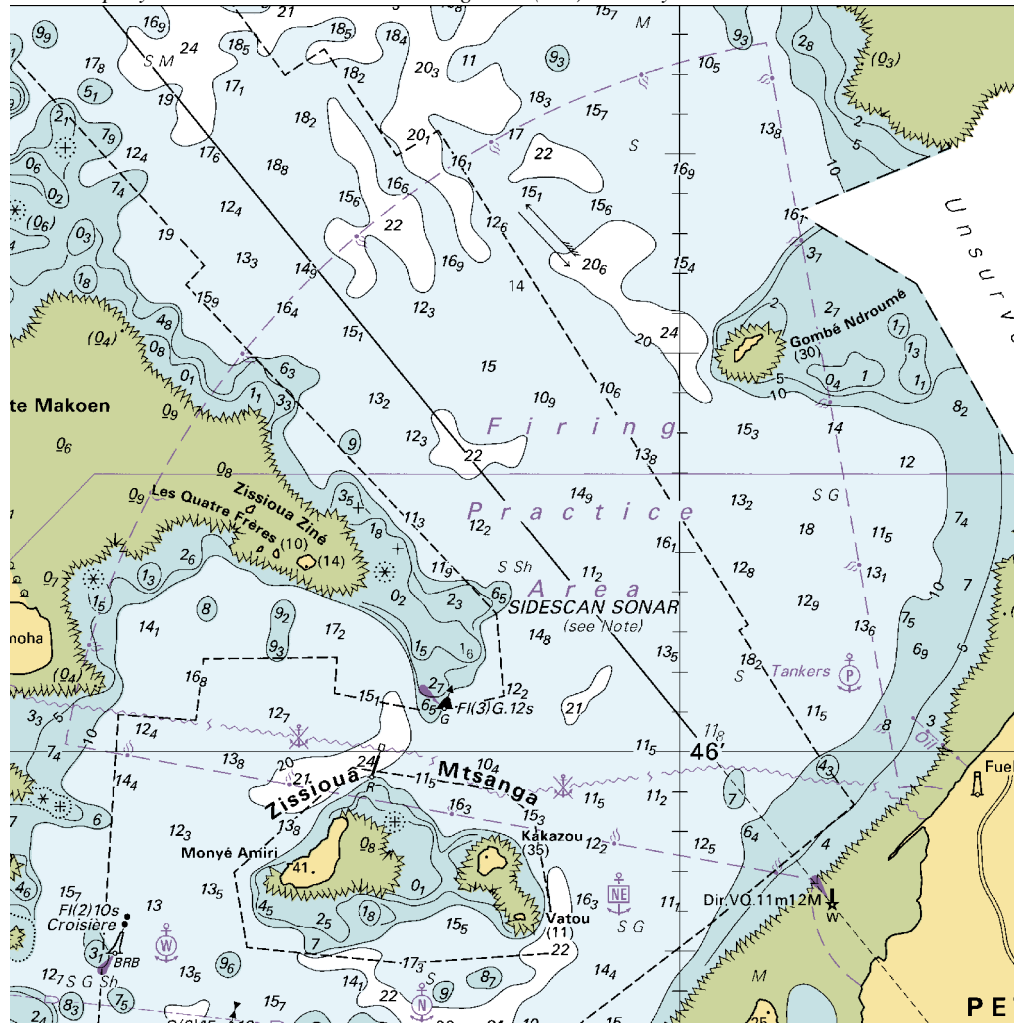
Block B for Chart No JP137B

To accompany Notice to Mariners 653/10. Image Size (mm) 134.3 by 131.5



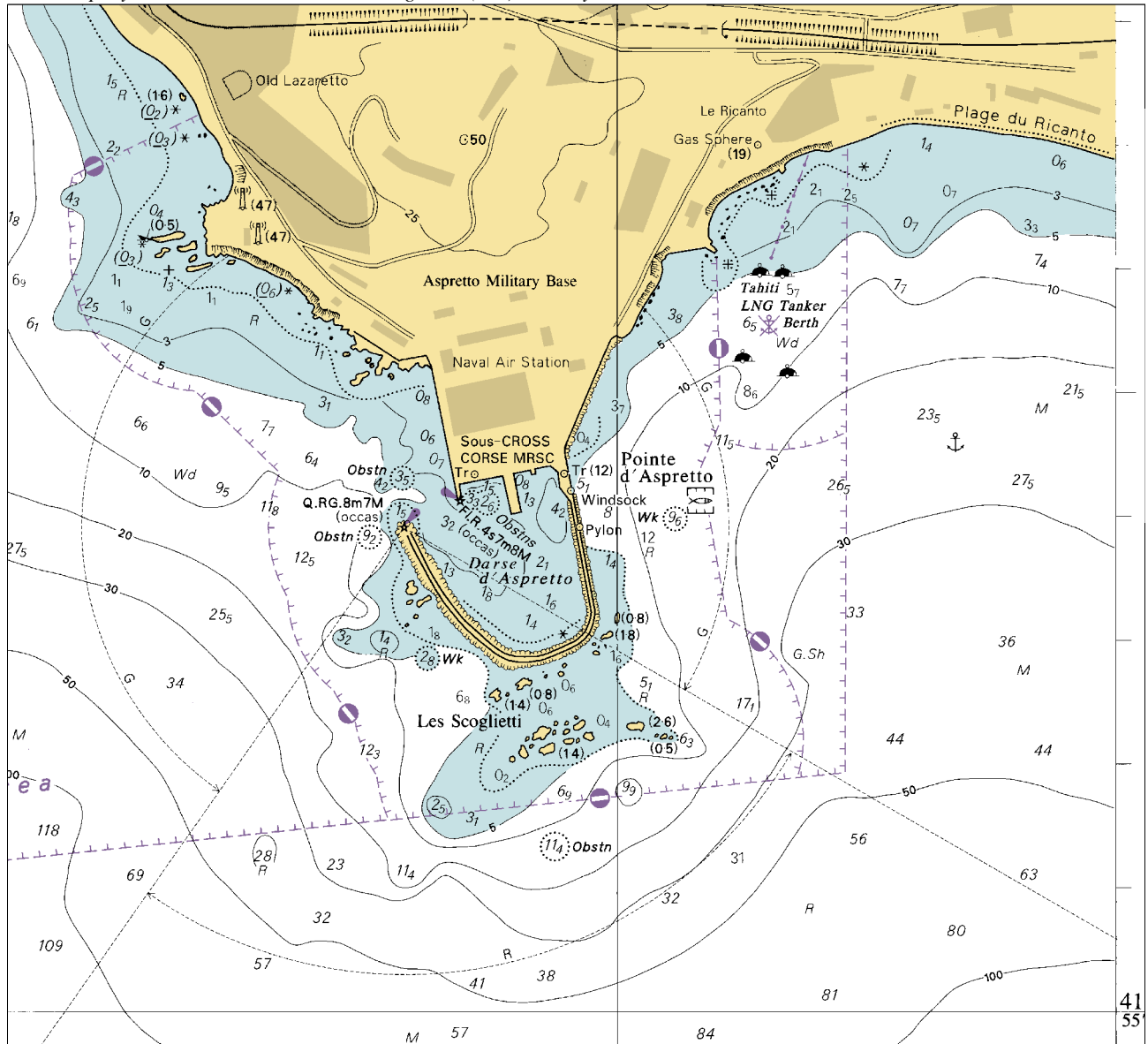
Block for Chart No 2756

To accompany Notice to Mariners 653/10. Image Size (mm) 134.5 by 134.1



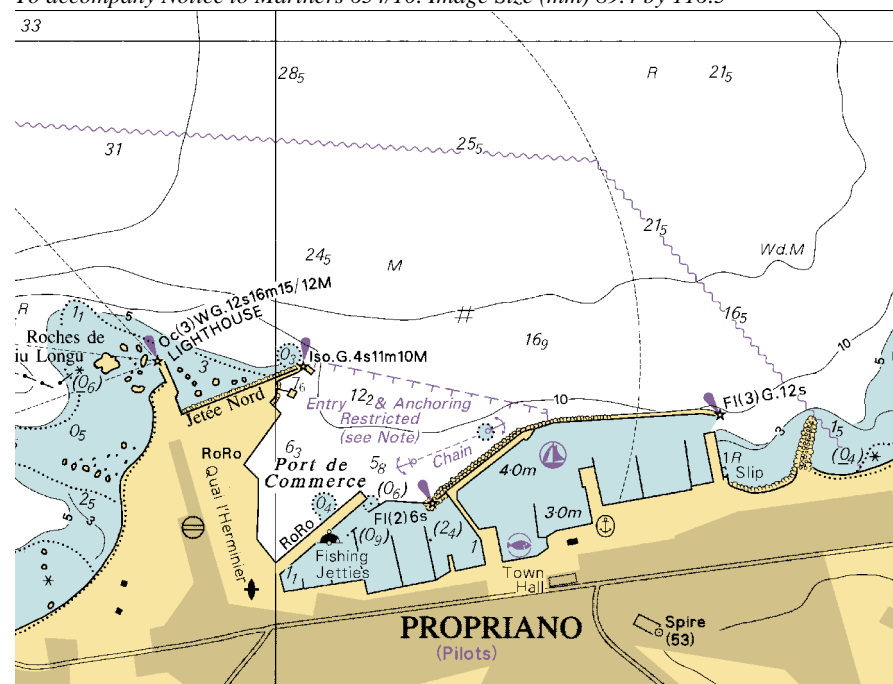
Block for Chart No 2757

To accompany Notice to Mariners 654/10. Image Size (mm) 155.8 by 170.3



Block A for Chart No 1424

To accompany Notice to Mariners 654/10. Image Size (mm) 89.4 by 116.5



Block B for Chart No 1424

III

NAVIGATIONAL WARNINGS

See *The Mariner's Handbook (2009 Edition)*. Messages printed below are all in force on 1 February 2010. It is recommended that this reprint should be kept in a file or book divided into areas, followed by subsequent weekly reprints. Only the most convenient Admiralty Chart is quoted. For those series originated by other authorities only selected important warnings are reproduced.

Weekly Edition 6, 11 February 2010 (published on the UKHO Website 1 February 2010).

(1) Navarea I (NE Atlantic) Weekly Edition 6

NAVAREA I warnings in force 1/2/10: 2008 series: 341. 2009 series: 055 205 245 347. 2010 series: 013 018 019.

017 Cancelled.

018 Navarea One messages in force at 291000 UTC Jan 10. Cancel 015/10.

019 1. RIGLIST. Correct at 010600 UTC Feb 10.

Southern North Sea: 51° to 55°N.

53-05.3N	001-51.2E	EnSCO 72
53-53.6N	006-15.4E	Noble George Sauvageau
53-57.3N	001-34.5E	Noble Julie Robertson
53-57.8N	001-13.2E	GSF Labrador

North Sea: 55° to 60°N, East of 5°W and the Baltic Sea.

55-45.8N	004-26.5E	Maersk Resolve
56-36.4N	003-26.1E	Maersk Gallant
56-41.7N	002-14.9E	EnSCO 102
56-45.1N	002-49.6E	Rowan Gorilla 6
56-55.1N	001-01.5E	Sedco 704
57-11.3N	000-44.4E	J.W.McLean
57-38.0N	001-24.1E	Sedco 711
57-49.6N	000-56.1W	GSF Arctic 4
57-59.8N	000-11.8E	Ocean Princess
58-00.6N	000-31.0E	Transocean Prospect
58-00.7N	000-57.5E	Stena Spey
58-04.1N	001-53.1E	Maersk Guardian
58-22.0N	000-56.4E	Noble Ton Van Langeveld
58-25.4N	001-43.4E	West Epsilon
58-51.4N	002-15.3E	Transocean Winner
59-29.8N	001-57.9E	Songa Dee

Norwegian Sea: North of 60°N, East of 5°W.

	60-18.7N	004-20.3W	Paul B Loyd Jr
	60-30.3N	002-02.8E	West Phoenix
NEW	Bergen, Norway		West Venture
NEW	Bergen, Norway		Deepsea Atlantic
	60-54.9N	003-37.6E	Polar Pioneer
	60-54.9N	003-31.4E	Songa Trym
	61-19.5N	003-48.8E	West Alpha
	61-20.3N	003-57.4E	Transocean Searcher
	61-28.0N	001-32.0E	Transocean John Shaw
	61-33.1N	002-17.6E	Ocean Vanguard
	61-44.7N	002-35.9E	Bredford Dolphin
	64-47.4N	007-00.8E	Transocean Arctic
	65-02.4N	006-56.3E	Scarabeo 5
	65-04.1N	007-29.5E	Deepsea Bergen
	65-05.5N	007-35.9E	Songa Delta
	65-08.2N	006-28.7E	Transocean Leader
NEW	65-38.5N	006-56.6E	Aker Spitsbergen
	65-44.3N	007-39.4E	Borgland Dolphin

III

South and West Coasts of the British Isles.
53-55.1N 003-39.8W Ensco 92

NOTES:

- A. Rigs are protected by a 500 metre safety zone.
- B. ACP - Adjacent to Charted Platform.

2. Cancel 016/10.

Cancel 353/09. ANM 368/10 refers.

(2) Navarea II (E Atlantic) Weekly Edition 6

Edited Navarea II warnings in force 1/2/10: NIL.
025 to 032 received.

(3) Navarea III (Mediterranean) Weekly Edition 6

Edited Navarea III warnings in force 1/2/10: NIL.
020 to 025 received.

(4) Navarea IV (NW Atlantic) Weekly Edition 6

Edited Navarea IV warnings in force 1/2/10: 2010 series: 031 040
037 to 048 received.

040 LORAN-C. United States Coast Guard will permanently discontinue the transmission of all U S Loran-C signals at 082000 UTC Feb 10. This does not affect U S participation in Russian-American or Canadian Loran-C chains.

(5) Navarea V (W Atlantic) Weekly Edition 6

Edited Navarea V warnings in force 1/2/10: NIL.
017 to 027 received.

(6) Navarea VI (SW Atlantic) Weekly Edition 6

Edited Navarea VI warnings in force 1/2/10: NIL.
011 received.

(7) Navarea VII (SE Atlantic) Weekly Edition 6

Edited Navarea VII warnings in force 1/2/10: NIL.
Nil received.

(8) Navarea VIII (Indian Ocean) Weekly Edition 6

Edited Navarea VIII warnings in force 1/2/10: NIL.
046 to 058 received.

(9) Navarea IX (Persian Gulf, Red Sea, NW Arabian Sea) Weekly Edition 6

Edited Navarea IX warnings in force 1/2/10: 2009 series: 227.
021 to 030 received.

(10) Navarea X (Australia, New Guinea) Weekly Edition 6

Edited Navarea X warnings in force 1/2/10: NIL.
Nil received.

(11) Navarea XI (Malacca Strait, China Sea, N Pacific) Weekly Edition 6

Edited Navarea XI warnings in force 1/2/10: NIL.
038 to 051 received.

III

(12) Navarea XII (NE Pacific) Weekly Edition 6

Edited Navarea XII warnings in force 1/2/10: 2010 series: 042.
040 to 062 received.

042 LORAN-C. United States Coast Guard will permanently discontinue the transmission of all U S Loran-C signals at 082000 UTC Feb 10. This does not affect U S participation in Russian-American or Canadian Loran-C chains.

(13) Navarea XIII (NW Pacific) Weekly Edition 6

Edited Navarea XIII warnings in force 1/2/10: NIL.
Nil received.

(14) Navarea XIV (SW Pacific) Weekly Edition 6

Edited Navarea XIV warnings in force 1/2/10: NIL.
Nil received.

(15) Navarea XV (SE Pacific) Weekly Edition 6

Edited Navarea XV warnings in force 1/2/10: NIL.
Nil received.

(16) Navarea XVI (E Pacific) Weekly Edition 6

Edited Navarea XVI warnings in force 1/2/10: NIL.
Nil received.

(17) Hydropacs (Pacific, Indian Ocean) Weekly Edition 6

Edited Hydropacs in force 1/2/10: 2008 series: 1140 1141 1473. 2009 series: 687. 2010 series: NIL.
118, 125 and 134 to 197 received, except 172.

Cancel 030/10. ANM 756/10 refers.

(18) Hydrolants (Atlantic, Mediterranean) Weekly Edition 6

Edited Hydrolants in force 1/2/10: NIL.
152 to 198 received.

AMENDMENTS TO ADMIRALTY SAILING DIRECTIONS

NP 18 Baltic Pilot Volume 1 (2009 Edition)

426

Denmark - Storebælt Link - West section —
Vertical and horizontal clearances

287

Paragraph 8.19 1 line 4 *For* 18 m *Read* 16·9 mParagraph 8.19 1 line 8 *For* 104 m *Read* 70 mDanish ENC DK4STOBS
(SDD 2009000 160145)

[06/10]

NP 32 China Sea Pilot Volume 3 (2009 Edition)

China - Yellow Sea - Miaodao Haixia -
Penglai Donggang — Directions

362

Paragraph 9.137 1-2 *Replace by*:

- 1 **Penglai Donggang.** From a position 2 miles N of Penglai Donggang Breakwater Head Light (black and white metal tube, 6 m in height) (37°49'·4N 120°50'·2E), the track leads SSW for about 1¾ miles through Penglai Donggang Waihangdao, an unmarked channel, 5 cables wide, to a position between Nos 1 and 2 Light Buoys (lateral), 1¼ miles NW of the light, and keeping clear of the adjacent anchorage (9.134) to the W.

- 2 The track then continues SSE for about 1¼ miles through a channel marked by light buoys (lateral), thence E to enter the harbour passing S of the breakwater.

Chinese Notice 2/10/66
(SDD 2010000 009683)

[06/10]

Korea - West coast — Lights; directions

424

After Paragraph 11.13 2 line 2 *Add*:

Samt'ae Do Light, Hat'aedo (white round concrete tower, 4 m in height) (34°23'·7N 125°18'·0E).

425

Paragraph 11.15 5 lines 1-2 *Replace by*:

- 2 W of Hat'aedo (34°23'N 125°18'E) (11.25), from where Samt'ae Do Light (11.13) is exhibited on the extremity...

Paragraph 11.22 4 *Replace by*:4 **Major Lights:**

Hojangdo Light (34°43'N 125°24'E) (11.13).

Taehüksando Light, Yöngsando (34°39'·2N 125°28'·7E) (11.33).

Paragraph 11.25 2 lines 1-3 *Replace by*:

- 2 **Major Light.** Samt'ae Do Light (34°23'·7N 125°18'·0E) (11.13).

427

After Paragraph 11.33 2 line 2 *Insert*:

Samt'ae Do Light, Hat'aedo (34°23'·7N 125°18'·0E) (11.13).

Taehüksando Light, Yöngsando (white round concrete tower, 11 m in height) (34°39'·2N 125°28'·7E).

428

After Paragraph 11.36 2 line 9 *Add*:

E of Hat'aedo (34°23'N 125°18'E) (11.25), from where Samt'ae Do Light (11.13) is exhibited, thence:

437

After Paragraph 11.91 1 line 1 *Add*:

Samt'ae Do Light, Hat'aedo (34°23'·7N 125°18'·0E) (11.13).

448

After Paragraph 11.141 1 line 4 *Add*:

Samt'ae Do Light, Hat'aedo (34°23'·7N 125°18'·0E) (11.13).

Taehüksando Light, Yöngsando (34°39'·2N 125°28'·7E) (11.33).

Paragraph 11.141 1 line 13 *Delete*

449

Paragraph 11.143 1 lines 7-9 *Replace by*:

...larger island. Taehüksando Light (11.33) is exhibited from the island. Thence:

Paragraph 11.146 1 line 4 *Replace by*:

S of Shibidongp'ado, from where a light (white round concrete tower, 8 m in height) is...

450

After Paragraph 11.151 1 line 1 *Insert*:

Samt'ae Do Light, Hat'aedo (34°23'·7N
125°18'·0E) (11.13).

Taehüksando Light, Yöngsando (34°39'·2N
125°28'·7E) (11.33).

451

After Paragraph 11.160 5 line 3 *Insert*:

Pöpsöngp'o Light (white concrete column, 5 m in
height) (35°22'·6N 126°24'·7E).

Paragraph 11.160 5 line 6 *Delete*

452

Paragraph 11.164 2 line 5 *Replace by*:

...Yö. Thence:

WNW of Pöpsöngp'o Light (35°22'·6N 126°24'·7E)
(11.160) in the entrance to Pöpsöngp'o Hang
(11.177).

454

After Paragraph 11.177 2 line 8 *Insert*:

Major Light:

Pöpsöngp'o Light (35°22'·6N 126°24'·7E) (11.160).

456

Paragraph 11.199 2 line 9 *Delete*

459

Paragraph 12.7 1 lines 3-4 *Delete*

Paragraph 12.9 1 line 4 *For* (12.7) *Read* (11.146)

461

Paragraph 12.24 1 line 4 *Delete*

462

Paragraph 12.35 1 line 2 *Delete*

Paragraph 12.35 1 lines 8-9 *Replace by*:

Ongdo Light (white round concrete tower, 25 m in
height) (36°39'·N 126°00'·E).

Korean Notices 35/542/09; 46/701/09; 53/818/09;
53/819/09, 53/821/09
(SDDs 2009000 127978; 166551. 2010000 001864,
001865; 001867) [06/10]

NP 33 Philippine Islands Pilot (2008 Edition)

Philippine Islands - Pacijan Island — Light

355

Paragraph 9.414 1 lines 7-9 *Replace by*:

...channel 1½ cables wide. Pacijan Light and Tulang
Light are exhibited from the SE part of the island,
1 mile N and 2¾ miles ENE of Pagtudian Point
(10°35'·43N 124°16'·49E) respectively.

Philippines Notice 12/238/09

(SDD 2010000 012822)

[06/10]

NP 42B Japan Pilot Volume 3 (2009 Edition)

Kanmon Kaikyo — Directions; light

56

Paragraph 3.14 2 lines 1-3 *Delete*

After Paragraph 3.15 5 line 4 *Add*:

Useful mark:

Mutsure Shima Light (white round stone tower,
11 m in height) (33°58'·68N 130°52'·07E)
exhibited from the E extremity of Mutsure Shima
(3.68).

57

Paragraph 3.23 1 line 5 *Delete*

After Paragraph 3.24 3 line 8 *Add*:

Useful mark:

Mutsure Shima Light (33°58'·68N 130°52'·07E)
(3.15).

69

Paragraph 3.62 3 line 3 *Delete*

72

Paragraph 3.72 2 line 3 *Delete*

Japanese Notice 4/139/10

(SDD 2010000 011397)

[06/10]

NP 42C Japan Pilot Volume 4 (2008 Edition)

Tsushima — Directions; light

385

Paragraph 14.10 1 lines 6-8 *Delete*

386

After Paragraph 14.12 1 line 4 *Add*:

Ko Saki Light (white 8-sided concrete tower, 11 m
in height) (34°05'·1N 129°12'·8E).

388

Paragraph 14.18 2 line 2 *Delete*

After Paragraph 14.19 1 line 14 *Add*:

Useful mark:

Ko Saki Light (34°05'·1N 129°12'·8E) (14.12).

Japanese Notice 04/143/10
(SDD 2010000 011408)

[06/10]

NP 43 South and East Coasts of Korea, East Coast of Siberia and Sea of Okhotsk Pilot (2008 Edition)

**Korea - Cheju Do - Seogwipo Hang —
Directions; light**

86

After Paragraph 2.60 2 line 2 *Add*:

Seowipo Hang Oehang Breakwater Light (red round concrete tower, 15 m in height) (33°14'·0N 126°34'·0E).

87

After Paragraph 2.67 1 line 7 *Add*:

Seogwipo Hang Oehang Breakwater Light (33°14'·0N 126°34'·0E) (2.60).

Korean Notice 53/816/09
(SDD 2010000 001861)

[06/10]

NP 45 Mediterranean Pilot Volume 1 (2008 Edition)

Italy - Sicilia - Catania — Traffic Separation Scheme

448

Paragraph 13.19 1 line 1 *Replace by*:

1 **Traffic Separation Scheme.** A TSS has been established in the approaches to the port. It comprises inward and outward traffic lanes and a semi-circular precautionary area, radius 1 mile, centred on 37°28'·7N 15°05'·7E.

All vessels over 300 gt and fishing vessels of 24 m or more, are advised to approach the port on a W heading and at a speed of no more than 15 kn.

2 Vessels must keep at least 8 cables from the vessel ahead.

Maximum speed in the precautionary area is 9 kn.

The scheme is not IMO-adopted. The Italian authorities advise that the principles for the use of the scheme, as defined in Rule 10 of the *International Regulations for Preventing Collisions at Sea (1972)*, apply.

3 **Notice of ETA required:** 72 hours. See *Admiralty List ...*

Paragraph 13.19 1 line 5 *Replace by*:

...Levante, clear of the TSS precautionary area.

Paragraph 13.19 2 line 1 *Replace by*:

4 **Submarine cables** come ashore about 1½ miles SSW of ...

Paragraph 13.19 3 lines 1-5 *Replace by*:

5 **Pilotage** is compulsory for vessels of more than 500 gt. The pilot boards 1¼ miles SE of the head of Molo di Levante, at the junction of the precautionary area and the separation zone. See 1.22 and *Admiralty List of Radio Signals Volume 6(3)*.

449

Paragraph 13.21 3 line 1 *Replace by*:

3 The port is approached via the inbound lane of the TSS, and thence to the pilot boarding area (13.19).

Italian Notices 24.10/09; 24.19/09
(SDD 2010000 014567)

[06/10]

NP 55 North Sea (East) Pilot (2007 Edition)

**Germany - Die Elbe – Krautsand to Hamburg —
Directions; light**

221

Paragraph 7.126 3 lines 6-8 *Delete*

222

Paragraph 7.127 3 lines 1-2 *Delete*

German Notice 2/(21)47/10
(SDD 2010000 012942)

[06/10]

AMENDMENTS TO ADMIRALTY LIST OF LIGHTS AND FOG SIGNALS

Vol A Edition 2009/10. Weekly Edition No. 6, Dated 11 February 2010.

Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

A1412	- Ldg Lts 173°. Front	49 19-57 N 1 06-78 W	Dir WRG	7	9 White post 7	Q G171-3°-172-3°(1°). Q W172-3°-173-8°(1-5°). Q R173-8°-174-8°(1°)
	*	*	*		*	*
A1412-1	- Ldg Lts 173°. Rear. 625m from front	49 19-23 N 1 06-70 W	Dir Oc(2+1)W 12s	19	18 White pylon, black top 23	<i>ec 1, lt 1, (ec 1, lt 4) x 2.</i> Intens 170-5°-174-5°(4°). Sync with front. TE 2010
	*	*				*
A2198-42	- Port of Felixstowe. New Quay. S end	51 56-66 N 1 18-97 E	2 F G (vert)	..	.. ..	Subject to change during works in progress (T) 2010
						*
A2203	Remove from list					
A2203-2	- Port of Felixstowe. New Quay. NW corner	51 57-03 N 1 18-75 E	2 F G(vert)	..	.. ..	Subject to change during works in progress (T) 2010
	*					*

Vol B Edition 2009/10. Weekly Edition No. 6, Dated 11 February 2010.

Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

B0355-9	- Doel. Ldg Lts 328°. Rear. 370m from front. Scheldemolen	51 18-85 N 4 15-92 E	Q W	19	2 Red ▽ on black pole, yellow band	Vis 4° each side of rangeline. Common front B0356
	-----	..	<i>By day</i>	..	18 Black ▽	
	-----	..	FR	..	1	
	*			*	*	
B0864-5	Remove from list					
B0908-1	- West Terschelling. W side	53 21-37 N 5 12-96 E	Fl Y 5s			
	*	*	*	*	*	*
B0908-2	- West Terschelling. W side	53 21-39 N 5 12-92 E	Fl(3) Y 10s			
	*	*	*	*	*	*
B0969-3	- Borkum Riffgrund. L 1-2 (G)	53 53-71 N 6 15-56 E	Mo(U)W 16s	..	.. Platform	
	---	..	Racon	..	.. ..	ALRS Vol 2 Station 55450
	---	..	AIS	*	*	*
	*	*	*	*	*	*
B1528	Remove from list					
B1824	- Power cable mast	55 26-43 N 8 28-51 E	Fl G 3s	2	1-5 Green △ on white mast	<i>fl 0-3</i>
		*				*
B1824-2	Remove from list					
B1824-4	- Power cable mast	55 26-31 N 8 28-26 E	Fl R 3s	2	1-5 Red □ on white mast	<i>fl 0-3</i>
		*				*
B1847-5015	- Vovov N. A4	55 33-48 N 7 34-35 E	Fl(3) Y 10s	..	.. Wind Turbine	
	*	*	*	*	*	*
B1847-5115	- Vovov N. M4	55 38-33 N 7 36-82 E	Fl(3) Y 10s	..	.. Wind Turbine	
	*	*	*	*	*	*

Vol C Edition 2009/10. Weekly Edition No. 6, Dated 11 February 2010.

Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

C2014-05	- Teglværksløbet. S side	55 38-84 N 12 33-01 E	Q R	..	..	Post	(T) 2010
*	*	*	*	*	*	*	*
C2014-06	- Teglværksløbet. N side	55 38-89 N 12 33-06 E	Q G	..	..	Post	(T) 2010
*	*	*	*	*	*	*	*
C2079-6	Brøndby. Strand	55 36-80 N 12 25-25 E	Oc WRG 5s	7	W 9	Red pyramidal beacon R6-5 6 G6-5	<i>ec l.</i> R265°-328°(63°), G328°-345°(17°), W345°-351°(6°), R351°-020°(29°), G020°-085°(65°). TE 2010
							*
C2777-9	- Odra Zachodnia. Basen Młyński. N side	53 27-29 N 14 35-39 E	Iso G 4s	6	4	Green mast and gallery	
*	*	*	*	*	*	*	*
C3100-4	- Morskoy Kanal. Poluostrov Zavodskoy. Vorot No 1 (Basin No 4 IN)	54 38-02 N 19 55-55 E	F R	12	4	Red □, white band, on black base marked 1 9	Is also the front light beacon of sighting line 082-6°/262-6° (C3100-161)
	----	..	F R	..	2	..	Vis 203°-323°(120°). Vertical strip light below main light
	*	*	*	*	*	*	*
C3100-5	- Morskoy Kanal. Poluostrov Zavodskoy. Vorot No 1 (Basin No 4 IS)	54 37-94 N 19 55-56 E	F G	12	4	Green truncated cone, white band, on black concrete base marked 1 9	Is also the front light beacon of sighting line 082-6°/262-6° (C3100-161)
	---- Auxiliary	..	F G	..	2	..	Vis 203°-323°(120°). Vertical strip light below main light
	*	*	*	*	*	*	*
C3103-7	- Sevastopol'skiy. Ldg Lts 255-9°. Front	54 38-31 N 20 00-49 E	Iso W 4s	13	8	White truncated cone, black stripe, on black concrete base marked 5 9	Vis on leading line only
	---- Auxiliary light	..	F W	..	2	..	Vis on leading line only. Vertical light strip below main light
	---- Vorot No 5	..	F G	12	3	..	Vis 075°-262°(187°). Is also the front light beacon of sighting line 262-6°/082-6° (C3104-35)
	---- Auxiliary light	..	F G	..	2	..	Vis 023°-143°(120°). Vertical light strip below main light
						*	*
C3103-8	- Vorot No 5	54 38-39 N 20 00-48 E	F R	12	3	Red □, white stripe, on black concrete base, marked 5 9	Is also the front light beacon of sighting line 082-6°/262-6° (C3104-35)
	-- Auxiliary light	..	F R	..	2	..	023°-143°(120°). Vertical light strip below main light
						*	*
C3104-35	- Pribrezhnyy Yuzhnyy. Ldg Lts 224-8°. Rear. 0-66M from front	54 38-76 N 20 06-02 E	Iso W 4s	24	12	Black 3-sided framework tower with platform 25	Vis on leading line only. Front C3104-5. Forms the sighting line 262-6°/082-6° with C3013-8 and C3103-7
	----- Auxilliary	..	F G	..	4	..	Vis on leading line only
						*	*
C3104-5	- Pribrezhnyy Vostochnyy. Ldg Lts 075-9°. Common front	54 39-22 N 20 06-81 E	F W	13	9	White truncated cone, black stripe, on base 9	Vis on leading line only. Also front light for C3104-35
	-- Auxiliary	..	F W	..	2	..	Vis on leading line only. Strip light below main light
	- Pribrezhnyy-Yuzhnyy. Ldg Lts 224-8°. Common front	..	F G	12	4	..	Vis on leading line only
	-- Auxiliary	..	F G	..	2	..	Vis on leading line only. Strip light below main light
	*	*	*	*	*	*	*

V

Vol C Edition 2009/10 continued.

C3530	- Daugavrina island. Daugava. Entrance Ldg Lts 141°. Front	57 03-60 N 24 01-30 E	Iso R 5s	20	11	White ▴, red stripe, on red framework tower with platform 15	Vis on leading line only. Shown 24 hours
*	*	*	*	*	*	*	*
C3580-15	- Dir Lt 098-5°	57 19-00 N 24 24-35 E	Dir WRG	11	W 6 R 3 10 G 3	Framework tower	F G096-5°-098-5°(2°). F W098-5°-100-5°(2°). F R100-5°-102-5°(2°)
		*	*				*
C3805-25	- Rohuneeme Harbour. Channel. Ldg Lts 079-2°. Rear. 143m from front	59 33-53 N 24 47-67 E	Oc R 2s	9	2	Orange ▽, black stripe on orange metal post 6	ec 0-5. Vis 074-2°-084-2°(10°)
			*	*	*		*
C3810	- Lts in line 159-1°. Front	59 26-23 N 24 47-92 E	Iso W 3s	49	13	Red conical tower on building 18	W154-5°-165°(10-5°)
			*	*	*		*
C4482	Flötjan	59 48-50 N 19 46-92 E	Fl(2)W 20s	26	10	Red tower, white stripe 22	fl 1-5, ec 2, fl 1-5, ec 15. TE 2010
	-	..	Racon	..	.. ..		ALRS Vol 2 Station 59620 *
C4863-9	- Österland. Ldg Lts 054-2°. Rear	59 55-23 N 22 32-56 E	LFI W 6s	29	4-8	Red □, yellow stripe	fl 2. Vis 050-2°-058-2°(8°) *
C5874	Nordvalen	63 32-19 N 20 46-31 E	Iso WRG 8s	24	W17 R17 G16	Black concrete tower, orange band and lantern, grey base 26	W035-1°-039-6°(4-5°), R039-6°-051°(11-4°), G051°-139°(88°), R139°-230-7°(91-7°), G230-7°-246-9°(16-2°), W246-9°-261-6°(14-7°), R261-6°-284-6°(23°), G284-6°-035-1°(110-5°). Floodlit. On bearing 139° shows alternately R and G and on 338° F G. Shown 24 hours 1/11 to 31/3. Helicopter platform ALRS Vol 2 Station 61360 *
	-	..	Racon	..	.. ..		*
C6060	Agö. E Point	61 32-55 N 17 27-98 E	Fl WRG 5s	31	W 9 R 6 G 5 15	White tower, orange band	fl 1. G130°-141-5°(11-5°), W141-5°-143°(1-5°), R143°-162°(19°), G162°-198°(36°), W198°-280°(82°), R280°-293°(13°), W293°-035°(102°), R035°-094°(59°). Partially obscured 048°-094°(46°). TE 2010 *
		*					*
C7081	Ldg Lts 236°. Rear. Spårö. 1-036M from front	57 42-75 N 16 43-70 E	Iso W 6s	36	14	White tower 8	Shown 24 hours 1/11 to 31/3
	*	*					
C7082	Idö Stångskär	57 40-29 N 16 47-13 E	Q WRG	13	W 8 R 6 G 5	White lantern, red base	G145°-150°(5°), W150°-152°(2°), R152°-158°(6°), R(Unintens)158°-302°(144°), G302°-321°(19°), W321°-324°(3°), R324°-338°(14°)
	*	*					
C7236-5	- N Outer Breakwater. Head	57 38-08 N 18 16-20 E	Q R	9	9	White tower, green band 6	Floodlit *

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Vol D Edition 2009/10. Weekly Edition No. 6, Dated 11 February 2010.

Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

D1244	- Môle d'Escale. Head. Dir Lt 014°	46 09-45 N 1 14-48 W	Dir WRG	33	W13 Grey 4-sided metal R11 tower G11 23	Q G007°-012-75°(5-75°). Q W012-75°-015-25°(2-5°). Q R015-25°-029°(13-75°)
	*	*	*		*	*
D1244-7	- Môle d'Escale. Oil Jetty. Head	46 09-40 N 1 14-50 W	Q(6)+LFl W 15s	6	8 Black metal mast, yellow top 3	
	*				*	*
D2034	- Quebra Mar. Pier. Head	41 10-37 N 8 42-48 W	Fl WR 5s	23	W12 Grey tower R 9 10	<i>fl 0-5.</i> R001°-180°(179°), W180°-001°(181°) <i>bl 5</i>
	----	..	Horn 20s	..	.. ..	*
D2036	- Molhe Sul. Pier. Head	41 10-68 N 8 42-34 W	Fl G 4s	16	7 Green lantern on tower 10	<i>fl 1.</i> Vis 328°-285°(317°)
	----	..	Horn 30s	..	.. ..	<i>bl 10</i> *
D2038-9	- Monobóia. SPM	41 12-10 N 8 45-07 W	Fl(3)W 15s	..	6 Yellow superbuoy	<i>(fl 0-5, ec 0-5) x 2, fl 1-5, ec 11-5</i>
	---	..	Horn Mo(U) 30s	..	.. ..	<i>(bl 0-75, si 1) x 2, bl 2-5, si 24</i> *
D2046	- Entrance. N side. Mole. Head. Felgueiras	41 08-81 N 8 40-64 W	Siren(2) 30s	..	.. Tower 10	<i>bl 5, si 5, bl 5, si 15</i>
	*	*	*	*	*	*
D2066	- Rio Mondego. N Breakwater. Head	40 08-74 N 8 52-49 W	Fl R 6s	13	9 White column, red bands 9	<i>fl 1-5.</i> TE; Fl R 3s 3M light will move during works in progress (T) 2009 <i>bl 10</i>
	----	..	Horn 35s	..	.. ..	*
D2349-28	- Ldg Lts 009°. Front. No 8	36 53-67 N 6 20-77 W	Q R	10	5 Red round tower marked No 8 in white on red square 5	000°-018°(18°). Rear D2349-31
	----	..	Fl R 5s	10	5 ..	<i>fl 0-5.</i> 018°-000°(342°) Vis 237°-243°(6°).
	----	..	FR	..	3 ..	Marks end of recommended track on lights D2349-3 and D2349-31. White □, red bands, marks the bearing of the 9° leading line *
			*			*
D2349-31	- Ldg Lts 257°. Common rear. Lucio. B	36 53-99 N 6 20-71 W	Iso R 4s	14	5 White ▽, red bands, on brown round tower 10	Vis 248°-266°(18°). Front D2349-3
	- Ldg Lts 009°. Common rear. Lucio. B	..	Iso R 4s	14	5 White □, red bands	Vis 000°-018°(18°). Front D2349-28
		*	*	*	*	
D2672-7	- Vila da Praia. Cabos Praia	39 03-07 N 27 58-27 W	Fl(2)R 8s	13	9 Red lantern on terrace of building	<i>fl 1, ec 1, fl 1, ec 5.</i> Vis 264°-292°(28°). Marks submarine cable area. TE 2009
	---	..	By day	..	2	*
		*				*

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D3008	Cap Manuel	14 38-96 N 17 25-95 W	Fl R 5s	50	19 White square tower on dwelling, red top 17	<i>fl 0-3.</i> Obscured 096°-102°(6°) by Île de la Madeleine. Obscured 242°-246.5°(4.5°) by Île de Gorée. This light must not be confused with Cap Vert light D3004 in hazy weather
	- Auxiliary light	..	F WR	48	W11 .. R 8	R083°-096°(13°), R102°-128°(26°), R204°-242°(38°), R246.5°-254°(7.5°), W254°-083°(189°)
*	*	*	*	*	*	*
D7742	Ormara	25 11-39 N 64 41-38 E	Fl(2)W 20s	227	19 Grey metal framework tower on white base 8	TE 2009
						*
D8586-45	- SBM-3	4 06-57 N 7 07-55 E	Mo(U)W 10s	..	5 Superbuoy	
*	*	*	*	*	*	*
D8619-6	- FDPSO Azurite	5 38-13 S 10 59-38 E	Lit Red storage tanker	
*	*	*	*	*	*	*

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Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

E0544	Mont Saint-Clair	43 23-74 N 3 41-39 E	Fl W 5s	93	27 White 8-sided tower, dark green lantern 23	<i>fl 0-5.</i> W215°-105°(250°)
					*	*
E5460	- Detached breakwater. NW Head	46 44-85 N 36 46-22 E	Fl(2)G 5s	12	5 Round green metal column, white band 11	<i>fl 0-5, ec 1, fl 0-5, ec 3.</i> Seasonal
			*		*	*
E5762	- Ldg Lts 129°. Front. N Breakwater. Head	42 09-58 N 41 38-92 E	F R	13	5 White □ red stripe on 4-sided metal framework tower	TE 2010
	-----	..	Horn(2) 54s	..	.. ..	<i>bl 6, si 12, bl 6, si 30</i> *
E6036	Suyül al Khubrâ	27 33-63 N 33 52-75 E	Fl(4)W 20s	15	15 White GRP tower, black stripe 10	*
E6040-3	- Chisholm Point	27 56-75 N 34 30-18 E	Fl(2+1)W 20s	12	9 White GRP beacon 10	
	--	..	Racon	..	.. ..	ALRS Vol 2 Station 75660 *
E6040-5	- Enterprise Passage. W	27 58-80 N 34 26-16 E	Fl W 10s	13	15 Green GRP tower 10	
	---	..	Oc G 7s	..	8 ..	<i>ec 2.</i> Synchronized with E6040-7
	---	..	Racon	..	.. ..	ALRS Vol 2 Station 75620 *
E6040-7	- Enterprise Passage. Gordon Reef. SW end	27 59-15 N 34 27-03 E	Oc R 7s	13	8 Red and white GRP beacon 10	<i>ec 2.</i> Ra Refl. Synchronized with E6040-5 Oc G 7s
	----	..	Racon	ALRS Vol 2 Station 75630 *

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E6040-9	Wādī Kīd	28 10-36 N 34 26-97 E	Q(3)W 10s	11	8	Black round GRP tower, yellow band	Vis 192°-293°(101°). Ra refl
-	-	..	Racon	..	..	..	ALRS Vol 2 Station 75650 *
E6328-3	El Bibane	33 26-90 N 11 17-80 E	Fl(2)W 6s	6	5-5	⊗ on black beacon, red band	<i>fl 0-5, ec 1, fl 0-5, ec 4.</i> Isolated danger mark. Marks wellhead. TE 2010 *
E6328-31	El Bibane	33 27-10 N 11 18-60 E	Fl(2)W 6s	6	5-5	⊗ on black beacon, red band	<i>fl 0-5, ec 1, fl 0-5, ec 4.</i> Isolated danger mark. Marks wellhead. TE 2010 *
E6336-4	- Houmet Souk. Fishing Port. No 12	33 53-28 N 10 51-23 E	F R	4	2	Beacon	*
E6336-6	- Houmet Souk. Fishing Port. No 13	33 53-23 N 10 51-20 E	F G	4	2	Beacon	*
E6408-6	- Radès. Bassin Port de Commerce. No 20 bis	36 48-50 N 10 16-30 E	Fl R	3	2	Beacon	TE 2010 *
E6415-2	- Fishing Port. Jetty S	37 08-50 N 10 12-60 E	Fl R	5	3		*
E6418-15	Cap Zebib. Fishing Harbour	37 16-10 N 10 04-00 E	Fl R 5s	5	3	Red beacon	<i>fl 1</i> *

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Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

F2161	- Panacan. Casuarina Point. Bare Reef	9 14-04 N 118 24-61 E	Fl R 5s	Metal structure	
		*					
F2167	- Camungyan Island	10 09-40 N 118 45-80 E	Fl W 15s	52	17	GRP tower	TE 2009 5 *
F2237	Pujada Island (PCG)	6 46-86 N 126 16-43 E	Fl R 5s	..	12	..	TE 2009 *
F2247-6	Hinatuan Island. N	9 48-67 N 125 42-91 E	Fl W 5s	11	10	White metal and GRP structure	TE 2009 10 *
F2278	- Oroquieta City (PCG)	8 29-80 N 123 47-75 E	Iso W 4s	..	..	..	TE 2009 *
F2300	- Buntay Point (PCG)	11 18-03 N 123 43-79 E	Fl W 5s	10	10	White concrete tower	*
F2327	- Bondulan Point	10 40-00 N 122 33-67 E	Fl W 5s	White metal and GRP tower	TE 2009 10 *

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Vol F Edition 2009/10 continued.

F2329	- Sinapsapan	10 35-32 N 122 30-74 E	Fl W 10s	10	..	White metal and GRP tower	TE 2009	*
F2330	- Taklong Island. South Point	10 24-25 N 122 30-30 E	Fl W 5s	10	10	White metal and GRP tower	TE 2009	*
F2364	- Dumanjug Bay. Tangil Point (PCG)	10 04-20 N 123 26-82 E	Fl R 5s	10	12	White metal and GRP tower 10	TE 2009	*
F2385-7	- Talibon Bohol. Bungan	10 16-30 N 124 21-88 E	Fl W 10s	..	..	Concrete	TE 2009	*
F2405	- Tabuelan	10 49-85 N 123 52-06 E	Fl W 5s	6	10	Metal tower 6	TE 2009	*
F2423-3	- Janabatas Channel. San Juanico Strait Bridge. S (PCG)	11 18-02 N 124 58-07 E	Fl R 3s	..	5 ..		For San Pedro Bay <i>see</i> F2456	*
F2436-7	- Pacijan Island. Pagtudlan Pt. North (PCG)	10 36-38 N 124 16-57 E	Fl (2) W 10s	*	*	*		*
F2442-2	- Ponson Island. Pilar (PCG)	10 48-20 N 124 34-10 E	Fl(2)W 10s	..	..	White metal and GRP tower 10		*
F2447	Laoang Bay. Port Laoang (PCG)	12 34-16 N 125 00-11 E	Fl R 5s	..	6			*
F2456	- Mariquitdaquit Island (PCG)	11 04-36 N 125 09-24 E	Fl W 4s	18	11	Black concrete tower 10		*
F2527	- Looc Bay. Port Malbog (PCG)	12 13-35 N 122 00-29 E	Fl R 5s	..	6	Concrete tower 5		*
F2530	- Corcuera Point (PCG)	12 47-94 N 122 01-22 E	Fl W 5s	20	16	White concrete tower 10	Vis 309°-215°(266°)	*
F2533	- Mahaba Point (PCG)	12 55-79 N 121 40-97 E	Fl W 7s	10	12	White metal and GRP tower 10		*
F2598	- Macalelon. River entrance (PCG)	13 44-79 N 122 08-00 E	Fl R 4s	15	8	White concrete tower 9	Vis over an arc of 93°	*
F2607-5	- Calumpan Peninsula. Mabini (PCG)	13 45-62 N 120 55-60 E	Fl W 3s					*
F2690-5	- Cabarruyan Island. Anda (PCG)	16 18-83 N 120 00-82 E	Fl G 5s	..	..	GRP	TE 2009	*
F2747-65	- Bugwasan Bay. Bonifacio	15 02-70 N 121 58-40 E	Fl G 5s					*
F2747-67	- Bongliw	15 03-50 N 121 55-80 E	Fl W 5s	6	10	Concrete structure 6		*

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Vol F Edition 2009/10 continued.

Reference	Name	Coordinates	Light Characteristics	Height	Structure	Notes
F2769	Paracale (PCG)	14 17-28 N 122 48-08 E	Fl(2)W 5s	..	.. GRP	TE 2009 *
F3619-18	- Shijing	24 37-58 N 118 25-99 E	Fl(3)W 10s	8	3 White 6-sided concrete tower, black bands 7	*
F3633-15	- Bai Yu	25 18-99 N 119 33-47 E	Fl(2)W 6s	35	10 White masonry cone 9	<i>fl 0-5, ec 1, fl 0-5, ec 4</i> ALRS Vol 2 Station 81515 MMSI : 999412532 *
	--	..	Racon	..	.. ..
	--	..	AIS	..	.. ..
	*	*	*	*	*	*
F3633-4	- Gu Yu	25 40-57 N 119 37-51 E	Fl(2)W 4s	33	7 White square concrete tower 13	<i>fl 0-5, ec 1, fl 0-5, ec 2</i> ALRS Vol 2 Station 81524 MMSI : 999412571 *
	--	..	Racon	..	.. ..
	--	..	AIS	..	.. ..
	*	*	*	*	*	*
F3768	- Jiudian Lt F	31 05-47 N 121 59-68 E	Fl(2)W 10s	..	7 Metal pillar beacon on red hull, name on both sides	Ra refl Wave activated ALRS Vol 2 Station 81850 MMSI : 999412208 *
	--	..	Bell	
	--	..	Racon	
	--	..	AIS	
		*				*

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Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

G0778-5	- Fray Bentos. Pier. W end	33 06-66 S 58 18-98 W	Fl Y 4s	..	5-4 Yellow tower	*
	*	*	*	*	*	*
G1026	Remove from list					
G3143	Pizzaro	4 57-12 N 77 22-14 W	Fl(2)W 10s	26	12 Red and white banded conical structure	<i>fl 1, ec 1, fl 1, ec 7</i> *
	*	*	*	*	*	*
G4775	ODAS 46088 (NOAA)	48 20-00 N 123 10-00 W	Fl(4)Y 20s	..	4 Yellow superbuoy	*
	*		*			
G6203-1	- Blind Point. Ldg Lts 050-4°. Rear. 258m from front	56 38-66 N 132 55-22 W	F Y	9	.. Red □, white stripe, on metal pile structure	Vis 4° each side of rangeline *
G6956-2	- Sweeper Cove. Ldg Lts 253°. Front	51 51-15 N 176 39-25 W	Q G	9	.. Red □, white stripe, on pile structure	*
			*			*
G6956-21	- Sweeper Cove. Ldg Lts 253°. Rear. 435m from front	51 51-08 N 176 39-63 W	Oc G 4s	28	.. Red □, white stripe, on pile	*
			*			*

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Last Amendment: Weekly Edition No. 4, dated 28 January 2010.

J1326	- Tacony Range Ldg Lts 070-1°. Front	40 01-46 N 75 00-18 W	Q W	6	.. Framework tower on small white house	Intens 1-5° each side of rangeline
*	---	.. *	By day Q W	7	.. ..	Vis 5-5° each side of rangeline
	*	*	*	*	*	*
J1326-1	- Tacony Range Ldg Lts 070-1°. Rear. 166m from front	40 01-49 N 75 00-07 W	Iso W 6s	13	.. Framework tower on white house	Intens 10° each side of rangeline
*	----	.. *	By day Iso W 6s	12	.. ..	Vis 10° each side of rangeline
	*	*	*	*	*	*
J1327	- Torresdale. Lower Ldg Lts 222-28°. Front	40 01-12 N 75 00-82 W	Q W	7	.. Framework tower	Intens 1-5° each side of rangeline
*	----	.. *	By day Q W	8	.. ..	Vis 1-5° each side of rangeline
	*	*	*	*	*	*
J1327-1	- Torresdale. Lower Ldg Lts 222-28°. Rear. 520m from front	40 00-91 N 75 01-06 W	Oc W 4s	14	.. Framework tower	Vis 10° each side of rangeline
*	-----	.. *	By day Oc W 4s	13	.. ..	Vis 4° each side of rangeline
	*	*	*	*	*	*
J1328-6	- Enterprise. Lower Ldg Lts 241°. Front	40 03-11 N 74 58-34 W	Oc W 4s	5	.. Framework tower	Intens 5-5° each side of rangeline
*	----	.. *	By day Oc W 4s	6	.. ..	Vis 0-5° each side of rangeline
	*	*	*	*	*	*
J1328-7	- Enterprise. Lower Ldg Lts 241°. Rear. 0-5M from front	40 02-85 N 74 58-93 W	F W	15	.. Framework tower	Vis 14° each side of rangeline
*	-----	.. *	By day F W	14	.. ..	Vis 1-5° each side of rangeline
	*	*	*	*	*	*
J1333-51	- Kinkora Lower Ldg Lts 230-3°. Rear. 109-7m from front	40 07-10 N 74 47-18 W	Oc W 4s	12	.. Framework tower on multi pile structure	Vis 14° each side of rangeline. Common front J1333-5
	----	..	By day Oc W 4s	11	.. ..	Vis 5-5° each side of rangeline
*	---- Passing light	.. *	Fl W 4s	5	4	*
	*	*	*	*	*	*
J2287-8	Remove from list					
J2287-81	Remove from list					
J2287-82	Remove from list					
J2287-83	Remove from list					
J2287-84	Remove from list					
J2287-85	Remove from list					
J2287-86	Remove from list					
J2287-87	Remove from list					
J2287-88	Remove from list					
J2287-89	Remove from list					
J2287-9	Remove from list					
J2287-91	Remove from list					
J2287-92	Remove from list					
J2287-93	Remove from list					
J2287-94	Remove from list					
J2706	- Upper Ldg Lts 113°. Front	32 50-92 N 79 55-66 W	Q W	6	.. Framework tower on piles	Vis 1-5° each side of rangeline. Shown 24 hours
		*			*	*
J2706-1	- Upper Ldg Lts 113°. Rear. 94m from front	32 50-90 N 79 55-60 W	Iso W 6s	13	.. Framework tower on piles	Vis 1-5° each side of rangeline. Shown 24 hours
					*	*

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Vol J Edition 2009/10 continued.

J2851-7	- Lower C Ldg Lts 184°. Front	30 43-30 N 81 29-20 W	Q R	5	.. Red □, white stripe, yellow band, on dolphin	Vis 1-5° each side of rangeline
	- - - Passing light *	..	Fl G 4s	4 *	4 .. *	Vis 212°-159°(307°) *
J2851-71	- Lower C Ldg Lts 184°. Rear. 423m from front *	30 43-10 N 81 29-20 W	Iso R 6s	9	.. Red □, white stripe, on dolphin	Vis 1-5° each side of rangeline *
J3376-5	Remove from list, replaced by light buoy					
J4023-18	Remove from list					
J5895	- La Carriere	10 19-55 N 61 27-57 W	Fl W 2-5s	71	17 Framework tower	fl 0-2
*	*	*	*	*	*	*
J5896	- Pipeline Jetty. Head	10 19-00 N 61 28-80 W	Fl(4)W 10s	30	14 Metal framework tower	(fl 0-5, ec 1) x 3, fl 0-5, ec 5
		*			*	*
J5897	- No 2 berth. Turning Basin. SE corner	10 18-92 N 61 28-58 W	Q R 1s Wooden pile	
	*	*	*			

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Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

K1307	- Badas (I)	8 27-72 S 117 22-53 E	Fl R 4s	13	6 Red □ on red pipe beacon 10	fl 0-5
*	*	*	*	*	*	*
K1552-5	- Selat Masiri. Masiri Reef (I)	5 30-17 S 122 32-60 E	Fl W 5s	12	12 White pipe beacon 10	fl 0-3
*	*	*	*	*	*	*
K1558-27	- Pulau Kaledupa (I)	5 28-22 S 123 40-70 E	Fl W 10s	12	12 White pipe beacon 10	fl 0-3
*	*	*	*	*	*	*
K1559-78	- Wowoni Reef (I)	4 02-79 S 122 55-48 E	Fl W 6s	12	12 White pipe beacon 10	fl 0-5
*	*	*	*	*	*	*
K3743	- Wairau River. Entrance. Dir Lt 270-5°	36 45-86 S 174 45-93 E	Dir WRG	4	1 Column	F G265-8°-270-2°(4.4°). F W270-2°-270-7°(0-5°). F R270-7°-275-2°(4-5°). Unreliable (T) 2010
	*		*			*
K4286	- Godley Head	43 35-20 S 172 48-50 E	LFl(3)W 26s	97	17 Tower, brown cupola, white base 6	(fl 2, ec 4) x 2, fl 2, ec 12. Vis 161°-017°(216°). TE 2010
	*					*
K4684	- Tamavua Beacon	18 07-50 S 178 25-52 E	Fl R 3s	5	4 △ on red beacon 5	fl 0-3. TE 2010
	*					*
K4966-52	- Passe Puotoe. Pointe Farenaonao. Westwards (F)	17 52-00 S 149 14-00 W	Q(6)+LFl W 15s	4	3 ∇ Black beacon, yellow top 4	
			*			
K4966-595	- W side (F)	17 53-00 S 149 11-50 W	Iso R 4s	5	4 Red □ on red beacon 5	
*	*	*	*	*	*	*

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Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

L4301	Rotjesfjellet. Worchesterpynten (NOR)	77 00-21 N 15 24-00 E	Aero Fl W	Hut	TE 2009
*	*	*	*	*	*	*	*
L5216	- Ldg Lts 313°. Front	60 07-87 N 45 14-00 W	Iso W 2s	8	9	Yellow pedestal, red band 2	Vis 309°-317°(8°). Shown 24 hours *
L6097-5	- Bukhta Ozerko. Vkhodnoy. Ldg Lts 355.5°. Front	69 43-80 N 32 09-00 E	Q W	6	4	Black \triangle on white \triangle , black stripe 10	Vis on leading line only. Destroyed (T) 2010 *
L6097-501	- Bukhta Ozerko. Vkhodnoy. Ldg Lts 355.5°. Rear. 333m from front	69 43-92 N 32 09-07 E	Iso W 2s	24	4	Black ∇ on white ∇ , black stripe 10	Vis on leading line only. Destroyed (T) 2010 *
L7010-2	- Nizhne Turdeyevskiy. Ldg Lts 115.2°. Front	64 27-81 N 40 45-07 E	F R	16	3	Red \square , on white \square , black stripe, on metal structure 12	Vis on leading line only. Destroyed (T) 2010 *
L7010-21	- Nizhne Turdeyevskiy. Ldg Lts 115.2°. Rear. 350m from front	64 27-71 N 40 45-56 E	F R	21	3	Red \square , on white ∇ , black stripe, on metal structure 17	Vis on leading line only. Destroyed (T) 2010 *
L7048	Megra. N Points of river Entrance	66 10-30 N 41 37-17 E	Fl W 3s	32	9	White panel, black stripe with 4-sided truncated pyramid 13	<i>fl 0-3.</i> Destroyed (T) 2010 *
L9658	Ayon	69 56-03 N 167 59-19 E	Fl W	32	17	Black \triangle , white bands, on 4-sided truncated pyramid 15	45 flashes in a minute. TE 2010 *
	-	..	LFl W 12s	..	..	..	<i>fl 4.</i> TE 2010 *
L9659	Pevek. Ldg Lts 176.3°. Front	69 43-41 N 170 27-29 E	Iso W 2s	52	15	White \square , black stripe, on 4-sided truncated pyramid 16	Floodlit. Ra refl. TE 2010 *
L9659-1	Pevek. Ldg Lts 176.3°. Rear. 585m from front	69 43-10 N 170 27-35 E	Iso W 4s	79	15	Black \square , white stripe, on 4-sided truncated pyramid 16	Floodlit. Ra refl. TE 2010 *
L9660	Shalaurova-Ostrov	69 58-79 N 172 45-98 E	Fl W 9s	87	15	Orange 4-sided truncated pyramid, black stripe 6	<i>fl 1-5.</i> TE 2010 *
L9660-5	Billings	69 52-56 N 176 05-80 E	LFl W 10s	25	15	Orange 4-sided truncated pyramid, black top, with platform 17	<i>fl 2-5.</i> TE 2010 *
	- Reserve light	..	LFl W 6s	..	12	..	<i>fl 2</i>
	-	..	Racon	..	..	..	ALRS Vol 2 Station 85320
*	*	*	*	*	*	*	*
L9800	Ostrov Vrangelya. Rodzhers	70 58-25 N 178 29-57 W	Fl W 2-5s	9	8	Orange 4-sided truncated pyramid 7	<i>fl 0-5.</i> Ra refl. TE 2010 *

V

Vol L Edition 2009/10 continued.

L9847	Mys Enmykey	69 27-35 N 178 07-85 E	Fl W 5s	31	14 White 4-sided truncated pyramid, black stripes, with platform 13	<i>fl 1.</i> Ra refl. TE 2010	*
L9848	Ryveyem. Ldg Lts 202-6°. Front	69 26-72 N 178 31-87 E	Fl W 1-5s	11	12 Black □, white stripe on 4-sided truncated pyramid 9	<i>fl 0-5.</i> Vis on leading line only. TE 2010	*
L9848-1	Ryveyem. Ldg Lts 202-6°. Rear. 407m from front	69 26-52 N 178 31-63 E	LFl W 6s	15	12 Black □, white stripe on 4-sided truncated pyramid 11	<i>fl 2.</i> Vis on leading line only. TE 2010	*
	----	..	Racon	..	.. ..	ALRS Vol 2 Station 85315	*
L9850	Rypil'gyn	69 24-42 N 178 44-44 E	Fl W 9s	9	10 Black 4-sided truncated pyramid 6	<i>fl 1.</i> Ra refl. See M8232. TE 2010	*
L9857	Okhotnichiy	69 10-32 N 179 32-57 E	Fl W 6s	12	10 White 4-side truncated pyramid 11	<i>fl 1.</i> Ra refl. TE 2010	*
L9884	Ostrovnoy	68 46-57 N 178 56-54 W	Fl W 5s	8	11 Orange 4-sided truncated metal framework pyramid 6	<i>fl 0-5.</i> Ra refl. TE 2010	*
L9886	Pil'gyn	68 30-69 N 178 13-02 W	Fl W 3s	18	10 Black ◐, white stripe on 4-sided truncated pyramid with platform 15	<i>fl 0-5.</i> TE 2010	*
	-	..	Racon	..	.. ..	ALRS Vol 2 Station 85310	*

Vol M Edition 2009/10. Weekly Edition No. 6, Dated 11 February 2010.

Last Amendment: Weekly Edition No. 5, dated 04 February 2010.

M4187	Sonyeam	36 19-20 N 126 28-39 E	Fl R 4s	11	5 Red △ on red round concrete tower 17		
	-	..	Racon	..	.. ..	ALRS Vol 2 Station 82487. TD 2010	*
M4252	- Socotra Rock. Ieodo Ocean Research Station	32 07-37 N 125 10-93 E	Mo(U)W 15s	37	14 Platform with Helipad 5	100M SW of Cheju Do	
	---	..	Horn Mo(U) 30s	..	.. ..	(<i>bl 0-75, si 1</i>) x 2, <i>bl 2-5, si 24.</i> TD 2010	
	---	..	Racon	..	.. ..	ALRS Vol 2 Station 82645. TD 2010	*
M4330-6	Ssanggeunhang	34 45-85 N 128 35-18 E	Fl R 5s	13	5 Red 12-sided concrete tower 10		
	*	*	*	*	*	*	*
M4374-05	- Yonghoman. Wharf. N Corner	35 07-93 N 129 07-06 E	Fl(2)R 6s	5	7 Red metal pipe 5		
	*	*	*	*	*	*	*

V

Vol M Edition 2009/10 continued.

M4374-051	- Yonghoman. Wharf. E Corner	35 07-87 N 129 07-05 E	Fl(2)R 6s	5	7 Red metal pipe 5	
*	*	*	*	*	*	*
M4444	-	37 31-08 N 130 47-86 E	Fl W 25s	171	27 White round concrete tower 8	Vis 002°-246°(244°)
-	-	..	Siren 50s	..	.. ..	bl 5. TD 2010
						*
M5042	- Ko Saki	34 05-06 N 129 12-83 E	Fl(2)W 6s	60	12 White 8-sided concrete tower 11	Vis 261°-114°(213°)
	*	*	*		*	
M5065	- Shita Saki	34 40-96 N 129 29-62 E	Iso W 6s	22	5 White tower 10	
- -	- -	..	F W	17	.. ..	Illuminates reef 340m ENE
		*	*		*	
M5137-48	- Sashiki Ko. W Breakwater	32 18-04 N 130 28-21 E	Fl G 3s	9	3 White tower 6	
			*		*	
M5239-7	- Shishiki Wan. Breakwater. Head	33 11-80 N 129 24-08 E	Fl G 3s	12	3 White tower 9	
		*	*		*	*
M5334	- Kita Saki	33 58-68 N 130 52-07 E	Fl W 3s	27	12 White tower 11	Vis 140°-012°(232°)
	*		*		*	
M5485	Remove from list					
M5607-3	- Ashizuri Ko. Breakwater	32 46-71 N 132 56-09 E	Iso G 6s	15	4 White tower 11	
		*			*	*
M5612-14	Mabune	32 58-36 N 132 30-28 E	Iso W 6s	12	4 White tower 10	
		*			*	*
M5614-5	-	33 10-23 N 132 15-99 E	Fl W 6s	124	19 White tower 10	
		*	*		*	
M5860	- No 1 Breakwater. E Head	34 39-26 N 135 12-14 E	Oc G 8s	18	4 White tower 19	ec 2. Floodlit
					*	
M5862	- No 2 Breakwater. S Head	34 39-38 N 135 12-26 E	Oc R 8s	17	4 Red tower 19	ec 2
					*	
M6115-4	Remove from list - replaced by light buoy					
M6116	Remove from list					
M6424-8	Remove from list - replaced by light buoy					
M6424-85	- SL	35 32-48 N 139 50-00 E	Fl Y 3s	6	6 Yellow x on yellow beacon 7	
				*	*	*
M6770-55	Shiraoi Ko. Detached Breakwater. E	42 32-83 N 141 22-08 E	Fl Y 4s	3	3 Yellow x on yellow beacon 4	Ra refl
*	*	*	*	*	*	*

VI

AMENDMENTS TO ADMIRALTY LIST OF RADIO SIGNALS

Weekly Edition No. 6 dated 11 February 2010

The **Admiralty List of Radio Signals diagrams** included in the paper version of the weekly Notice to Mariners (Section VI) are printed in black and white. If required, a colour version of these diagrams can be downloaded from the UKHO website. To obtain a colour version of these diagrams go to: www.ukho.gov.uk - select **PRODUCTS AND SERVICES** - select **Maritime Safety Info** - select **Visit NMs page and Download NMs** - select **Weekly** - select **Year** - select **Week** - go to **Selected Week Content** - select **File** (for example: NP286(3)-WK01-10-PAGE149_Week01_2010.pdf)

VOLUME 2, NP 282, 2009/10

Published Wk 10/09

(Last Amendments: Weekly Edition No. 5 dated 4 February 2010)

RADAR BEACONS

PAGE 130, UNITED STATES (Gulf Coast).

Insert:

ATP-111-2 Platform Racon	28°02'·01N 89°06'·04W	96125
(ATP TITAN-MC-941-A)		
(3 & 10 cm)	A	

USCG District 8 Local Notice 3/10 (RSDRA2010000012820) 6/10

VOLUME 6, PART 2, NP 286(2), 2009/10

Published Wk 21/09

*(Last Amendments: Weekly Edition No. 5 dated 04 February 2010)***PAGE 434, SWEDEN, MARSTRAND, Pilots, PROCEDURE.**

Delete section (6) and replace by:

(6) **Pilot boards** in position 57°50'·50N 11°24'·90E (2 n miles SW of Hätteberget Lt).

*(former amendment 31/09)**Swedish Notice 6080/289/2010, (RSDRA2010000011070), 6/10***PAGE 450, SWEDEN, STENUNGSUND, Pilots, PROCEDURE.**

Delete section (6) and replace by:

(6) **Pilot boards** in position 57°50'·50N 11°24'·90E (2 n miles SW of Hätteberget Lt).

*Swedish Notice 6080/289/2010, (RSDRA2010000011070), 6/10***PAGE 465, SWEDEN, UDDEVALLA, Pilots, PROCEDURE.**

Delete section (6) (b) and replace by:

(b) 57°50'·50N 11°24'·90E (2 n miles SW of Hätteberget Lt)

*Swedish Notice 6080/289/2010, (RSDRA2010000011070), 6/10***PAGE 469, SWEDEN, WALLHAMN, Pilots, PROCEDURE.**

Delete section (6) and replace by:

(6) **Pilot boards** in position 57°50'·50N 11°24'·90E (2 n miles SW of Hätteberget Lt).

Swedish Notice 6080/289/2010, (RSDRA2010000011070), 6/10

VOLUME 6, PART 3, NP 286(3), 2009/10

Published Wk 26/09

*(Last Amendments: Weekly Edition No. 5 dated 4 February 2010)***PAGE 33, CONGO, before POINTE NOIRE entry.**

Insert new entry:

AZURITE TERMINAL (FDPSO)**5°38'S 10°59'E****Pilots and Terminal****LOCATION:** FDPSO Azurite: 5°38'·13S 10°59'·38E**CONTACT DETAILS:**Call: Azurite Terminal (**3ENN8**)

VHF Frequency: Ch 09 12 16

Telephone: +65 67960810

+870 764877398 (Inmarsat M)

Fax: +65 67960804 ext 250

+870 764877399 (Inmarsat M)

+65 67960809 (VSAT)

E-mail: oim.azurite@prosafeproduction.com

HOURS: H24**PROCEDURE:**

- (1) **Pilotage is compulsory** within a 2 n mile radius of the Azurite Terminal.
 - (2) **Notice of ETA:** Vessels should send an initial ETA to the terminal at least 7 days prior to arrival. The message should be updated 72h, 48h, 24h, 12h and 4h before arrival.
 - (3) In cases where the vessel's sea passage from the last port is less than 72h from the terminal, notice should be given immediately upon departure from the last port.
 - (4) Vessels should send further ETA messages to the terminal if the vessel's ETA varies from the original 72h or 48h ETA notice by 4h or more.
 - (5) Should the ETA change by 1h or more following the 24h notice, the vessel shall promptly notify the terminal of the new ETA.
- NOTE: Time to be used for ETA notices is LT (GMT +1 throughout the year).
- (6) The terminal is closed to newly arriving vessels between 1600-0600 LT.
 - (7) A waiting area is located 10 n miles due west from the terminal.
 - (8) The terminal maintains a continuous radio watch on VHF Chs 12 and 16 and vessels are required to use these Channels when within range of the terminal and especially when approaching the terminal. If the vessel is requested to drift whilst awaiting mooring, it should maintain a constant radio watch on VHF Chs 12 and 16 and/or an agreed working Channel, to receive terminal instructions.
 - (9) VHF Ch 12 is the primary communication Channel during offtake operations. If VHF Ch 12 is not available, VHF Ch 09 will be used as an alternative.
 - (10) All communication shall be in English.
 - (11) A marine exclusion zone of 2 n miles radius centred on the terminal has been established. Vessels are prohibited from navigating within this zone unless the Mooring Master is on board.
 - (12) **Pilot boards** in position 5°36'·10S 10°59'·40E.

Murphy West Africa Ltd and Azurite Terminal Handbook, (RSDRA2010000003262), 6/10

PAGE 222, MADAGASCAR, after NOSY BE entry:

Insert new entry:

PORT D'EHOALA**25°03'S 47°01'E****Pilots and Port****CONTACT DETAILS:****Port Control**

VHF Frequency: Ch 16; 12
 Telephone: +261 320 304791 (Mobile)
 E-mail: nicolas.ramahafadrah@ehoalaport.com
 Website: www.ehoalaport.com

PROCEDURE:

- (1) **Pilotage is compulsory.**
- (2) Vessels should send ETA as per charter party recommendations.
- (3) **Pilot boards** in position 25°05'00S 47°01'00E.

NOTE:

Port is operated by Rio Tinto QMM.

Port Control, Port d'Ehoala, (RSDRA201000009561), 6/10

VOLUME 6, PART 7, NP 286(7), 2009/10

Published Wk 35/09

(Last Amendments: Weekly Edition No. 5 dated 4 February 2010)

PAGES 164 and 165, MEXICO, VERA CRUZ, Pilots and Port.

Delete section and replace by:

Pilots and Port**CONTACT DETAILS:****Pilots**

VHF Frequency: Ch 16; **13 14**
 Telephone: +52(01)229 9322093
 Fax: +52(01)229 9314699
 E-mail: pilotver@infosel.net.mx
 Website: www.pilotver.com.mx

Hr Mr

Telephone: +52(01)229 9314342
 Fax: +52(01)229 9322248

Port Authority

Telephone: +52(01)229 9232170
 Fax: +52(01)229 9323040
 E-mail: promocion@portofveracruz-mx.com
 Website: www.portofveracruz-mx.com

HOURS: H24

continued on next column

PROCEDURE:

- (1) **Pilotage is compulsory** for all vessels of 500 GT and over, and is available H24.
- (2) **Pilot ordering:** Pilotage should be ordered through the agent at least 24h in advance.
- (3) **Notice of ETA:** Vessels should send ETA 24h in advance through the agent stating:
 - (a) Vessel's name
 - (b) Flag
 - (c) Draught
- (4) Vessels should establish contact with the pilots on VHF Ch 13, 1h prior to arrival.
- (5) **Pilot boards** in position 19°11'25N 96°03'28W (S of Isla Verde).

NOTE:

For vessels bound for the anchorage areas, pilot boards between Isla Verde and the anchorage areas.

Vessel Traffic Service**CONTACT DETAILS:**

Call: Veracruz Traffic
 VHF Frequency: Ch 16; 10
 Telephone: +52(01)229 9232190
 MMSI: 003450310

HOURS: H24**PROCEDURE:**

Vessels should contact Veracruz Traffic on VHF Chs 10 or 16 when entering the TSS.

MV Vossberg & Vera Cruz Pilots, (RSDRA2009000155099), 6/10

HYDROGRAPHIC NOTE

H.102
(Oct 2008)

Forwarding information for Admiralty Charts, ENC's and Hydrographic Publications

Date				Ref. Number	
Name of ship or sender					
Address					
Tel/Fax/Telex/E-mail address of sender					
General Locality					
Subject					
Position (see <i>Instruction 3 below</i>)	Latitude		Longitude		
	GPS		Datum		Accuracy
Admiralty Charts affected				Edition	
Latest Weekly Edition of Notice to Mariners held					
Replacement copy of Chart No				IS/IS NOT required; (see <i>Instruction 4 below.</i>)	
ENCs affected					
Latest Update disk held	Week				
Publications affected (Edition No.)					
Date of latest supplement, page & Light List No. etc					
Details:					
Signature of observer/reporter					
Tick box if not willing to be named as source of this information			<input type="checkbox"/>		

INSTRUCTIONS:

1. Mariners are requested to notify the United Kingdom Hydrographic Office (UKHO) (*by mail: SDRA, UKHO, Admiralty Way, Taunton, Somerset, TA1 2DN, United Kingdom or by email: hdcfiles@ukho.gov.uk*) when new or suspected dangers to navigation are discovered, changes observed in aids to navigation, or corrections to publications are seen to be necessary. The Mariner's Handbook (NP 100) Chapter 8 gives general instructions. If practicable the Mariner should also contact the originating Hydrographic Office when navigating on IMO Approved non-UKHO ENC's. The provisions of international and national laws should be complied with when forwarding such reports.
2. This form and its instructions have been designed to help both the sender and the recipient. It should be used, or followed closely, whenever appropriate. Copies of this Form may be obtained gratis from the UKHO at the above address, or principal Chart Agents (see Annual Notice to Mariners No. 2). This form is also available on the web: www.ukho.gov.uk/amd/marHNotes.asp
3. **Accurate position or knowledge of positional error is of great importance. Latitude and longitude should only be used to specifically position the details when they have been fixed by GPS or Astronomical Observations.** A full description of the method, equipment, time, estimated error and datum (where applicable) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two should be used in order to provide a redundancy check. Where position is derived from Electronic Position Fixing (eg LORAN C) or distances observed by radar, the raw readings of the system in use should be quoted wherever possible. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.
4. *Paper Charts:* A cutting from the largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red. When requested, a new copy will be sent in replacement of a chart that has been used to forward information, or when extensive observations have involved defacement of the observer's chart. If it is preferred to show the amendments on a tracing of the largest scale chart (rather than on the chart itself) these should be in red as above, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.
ENCs: A screen dump of the largest scale usage band ENC with the alterations and additions being shown thereon in red.
5. When **soundings** are obtained The Mariner's Handbook (NP 100) should be consulted. The echo sounding trace should be marked with times, depths, etc., and forwarded with the report. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of set should also be given.
6. **For modern sets that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use.** Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:
 - (a) the trace being weaker than normal for the depth recorded;
 - (b) the trace passing through the transmission line;
 - (c) the feathery nature of the trace.As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from charted depths.
7. **Reports which cannot be confirmed or are lacking in certain details should not be withheld.** Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.
8. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 30 metres or 15 fathoms may be of sufficient importance to justify a radio message.
9. Changes to Port Information should be forwarded on Form H.102A and any GPS/Chart Datum observations should be forwarded on Form H.102B together with Form H.102. Where there is insufficient space on the forms an additional sheet should be used.
10. Reports on ocean currents should be made in accordance with The Mariner's Handbook (NP 100) Chapter 8.

Note. - An *acknowledgement* or receipt will be sent and the information then used to the best advantage which may mean immediate action or inclusion in a revision in due course; for these purposes, the UKHO may make reproductions of any material supplied. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless (as sometimes happens) the information is also received from other authorities or the sender states that they do not want to be named by using the appropriate tick box on the form. An explanation of the use made of contributions from all parts of the world would be too great a task and a further communication should only be expected when the information is of outstanding value or has unusual features.

HYDROGRAPHIC NOTE FOR PORT INFORMATION

(To accompany Form H.102)

H.102A

(Oct 2008)

Forwarding information for Admiralty Charts, ENC's and Hydrographic Publications

Date	Ref. Number
Name of ship or sender	
Address	
Tel/Fax/Telex/E-mail address of sender	
General Locality	

1. NAME OF PORT	
2. GENERAL REMARKS Principal activities and trade. Latest population figures and date. Number of ships or tonnage handled per year. Maximum size of vessel handled. Copy of Port Handbook (<i>if available</i>).	
3. ANCHORAGES Designation, depths, holding ground, shelter afforded.	
4. PILOTAGE Authority for requests. Embark position. Regulations.	

5. DIRECTIONS Entry and berthing information. Tidal streams. Navigational aids.	
6. TUGS Number available.	
7. WHARVES Names, numbers or positions & lengths. Depths alongside.	

HYDROGRAPHIC NOTE FOR PORT INFORMATION

(To accompany Form H.102)

H.102A

(Oct 2008)

8. CARGO HANDLING Containers, lighters, Ro-Ro etc.	
9. REPAIRS Hull, machinery and underwater. Shipyards. Docking or slipping facilities. <i>(Give size of vessels handled or dimensions)</i> Divers.	
10. RESCUE AND DISTRESS Salvage, Lifeboat, Coastguard, etc.	
11. SUPPLIES Fuel. (with type, quantities and methods of delivery) Fresh water. (with method of delivery and rate of supply) Provisions.	
12. SERVICES Medical. Ship Sanitation. Garbage and slops. Ship chandlery, tank cleaning, compass adjustment, hull painting.	
13. COMMUNICATIONS Nearest airport or airfield. Port radio and information service. (with frequencies and hours of operating)	
14. PORT AUTHORITY Designation, address, telephone, e-mail address and website.	

HYDROGRAPHIC NOTE FOR PORT INFORMATION

(To accompany Form H.102)

H.102A

(Oct 2008)

15. VIEWS Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour etc.	
16. ADDITIONAL DETAILS	
Signature of observer/reporter	
Tick box if not willing to be named as source of this information	

NOTES:

1. This form is designed to assist in the reporting of any observed changes to Port Information details and should be submitted as an accompaniment to Form H.102 (full instructions for the rendering of data are on Form H.102 - *email: hdcfiles@ukho.gov.uk*). In addition, the Mariner's Handbook (NP 100) Chapter 8 gives general instructions. If practicable the Mariner should also contact the originating Hydrographic Office when navigating on IMO Approved non-UKHO ENC's. The provisions of international and national laws should be complied with when forwarding such reports.
2. Form H.102A lists the information required for Admiralty Sailing Directions and has been designed to help both sender and recipient, the sections should be used as an aide-mémoire, being used or followed closely, whenever appropriate. Where there is insufficient space on the form an additional sheet should be used.
3. **Reports which cannot be confirmed or are lacking in certain details should not be withheld.** Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.