



# ADMIRALTY NOTICES TO MARINERS

## Weekly Edition 7

14 February 2002

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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).**

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

|                                         |                                                                                               |
|-----------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Notices to Mariners Website</b>      | <b>Web:</b> <a href="http://www.ukho.gov.uk">www.ukho.gov.uk</a>                              |
| <b>Urgent navigational information:</b> | <b>Fax:</b> +44(0)1823 322352 <b>Telex:</b> 46464                                             |
|                                         | <b>Phone:</b> +44(0)1823 723315                                                               |
|                                         | <b>e-mail:</b> <a href="mailto:rnwuser@ukhornw.u-net.com">rnwuser@ukhornw.u-net.com</a>       |
| <b>Other navigational information:</b>  | <b>e-mail:</b> <a href="mailto:hdcfiles@ukho.gov.uk">hdcfiles@ukho.gov.uk</a>                 |
| <b>General enquiries:</b>               | <b>e-mail:</b> <a href="mailto:generalenquiries@ukho.gov.uk">generalenquiries@ukho.gov.uk</a> |
| <b>General Website</b>                  | <b>Web:</b> <a href="http://www.ukho.gov.uk">www.ukho.gov.uk</a>                              |
| <b>Other matters:</b>                   | <b>Fax:</b> +44(0)1823 284077 <b>Telex:</b> 46274                                             |

# I

## GUIDANCE NOTES FOR ADMIRALTY NOTICES TO MARINERS ~ON-LINE~ (ANMO)

The Weekly Notices to Mariners (NM) updates for paper Charts and Publications can now be accessed on the United Kingdom Hydrographic Office (UKHO) Website. The latest NM Weekly is available from 12.00 Noon on the Wednesday prior to the official Publication date.

There are **no subscription fees** for access to the UKHO Notices to Mariners Website.

### Access Details:

Software required: Adobe Acrobat (Portable Document Format (PDF))(Version 4.0).

Those without Adobe software can obtain Reader software through their local software provider, by clicking on the Adobe Icon on the UKHO Website Home Page, or direct from the Adobe website ([www.adobe.com](http://www.adobe.com)).

Users can access the NM Website through the UKHO corporate address:

**[www.ukho.gov.uk](http://www.ukho.gov.uk)**.

- This will take you to the UKHO Home Page.
- From the UKHO Home page, click on the *Notices to Mariners* button in the left-hand menu, which will open the NM Home Page.
- \*The NM Home Page will then offer access to the range of Admiralty Notices to Mariners services through a series of Buttons at the top of the Page:
  - *Weekly Notices to Mariners*
  - *NM Blocks*
  - *Annual NMs*
  - *Cumulative NM List*
  - *Small Craft NMs*
  - *NM Feedback Form*
- Click on the Option you require and from the NM Home Page, and a further information page will open giving a brief explanation of each NM Service.
- Access to the Notices themselves is achieved by clicking on the File references (shown in Blue) below text on each information page.
- Click on the File you wish to view, and a series of digital NM Files will be displayed.
- Open the NM File(s) of your choice and read/print the information as required.
- To view another NM service option or return to the NM Home Page, click on the menu at in the left-hand side of the page.

Direct access to Admiralty Notices to Mariners ~On-Line~ is also available at address:

**[www.ukho.gov.uk/notices\\_to\\_mariners.html](http://www.ukho.gov.uk/notices_to_mariners.html)**

Access using this route will take you directly to the NM Home Page. From here, follow the instructions as detailed above from \*.

### Details of File Content.

#### *Weekly Notices to Mariners.*

The NM Files are segregated as follows (XX refers to the number of the week, YY refers to the year) (Example: Week 1/2001 is referenced as 01WKNM01.PDF, or week 28/2001 referenced as 28WKNM01.PDF etc):

NM\_REFERENCE .PDF- contains an index of Notices to Mariners Weeks, showing the sequence of individual Notices to Mariners contained within each NM Week.

XXWKNMYY.PDF is the complete Weekly NM Booklet, including monochrome NM Blocks. There are Links between the front index page and each of the six sections of the booklet and there are further links between the geographical index and regional sections of the Section II NMs.

XXSNIIYY.PDF is a supplementary file which contains Section II chart correction Notices set out one to a page. There are Links between the Index page and individual Notices.

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DIGITAL COLOUR BLOCKS are referenced under the relevant Chart/Notice number:

(Block Example: Chart 1234 NM 4747).

Digital COLOUR NOTES are referenced by week:

(Note Example: w49-RP).

Each Block/Note is a separate file.

There are no links to the other NM files.

(N.B. Digital Colour Blocks/Notes are only available from Week 30/2000).

## Annual Summary of Admiralty Notices to Mariners (NP247).

The Annual Summary is published in January each year and referenced as NP247-YY (Whereas YY refers to the Year). The Annual Summary is segregated into three files as follows:

NOTICES 1-24.PDF - contains the series of Annual statutory Notices to Mariners, numbers 1 to 24. There are Links between the Index Page and the relevant Notice.

T&P\_YYYY.PDF - contains a summary of all Temporary and Preliminary Notices still in force at the beginning of the current year. (whereas YYYY refers to the year, (Example T&P\_2001)). There are Links between the Index Page and the relevant Geographical Sections.

AMENDS TO SDS.PDF - contains a cumulative summary of Amendments to Sailing Directions. There are Links between the Index Page and the amendments to each individual Volume of the Sailing Directions.

## Cumulative Lists of Admiralty Notices to Mariners (NP234A and B).

The Cumulative NM files are segregated as follows (NP 234A refers to the January Edition, NP234B refers to the July edition and YY refers to the year) (Example: The July 2001 edition of the Cumulative List is referenced as NP234B-01):

NP234X-YY (whereas X refers to the Half yearly edition and YY refers to the year) gives the historical index of paper chart NM corrections, referenced by Admiralty chart number. At present, there are no links to actual Notices to Mariners.

## Small Craft Notices to Mariners (NP246 A,B,C and D).

The Small Craft Notices to Mariners (SCNM) files are segregated as follows (NP246A February, NP246B May, NP246C July and NP246D October. YY refers to the year) (Example: The July 2001 edition of the SCNMs is referenced as NP246C-01):

NP246X-YY - (Whereas NP 246X refers to the Quarterly edition and YY refers to the Year) contains the quarterly SCNMs, referenced under the relevant Navigational Publication (NP) number (Example NP246C/01). There are links between the Index Page and the Geographical Sections. The full colour NM Blocks and Notes are available as separate files (see *Digital Colour Blocks and Notes* below).

DIGITAL COLOUR BLOCKS and NOTES are referenced under the relevant Chart/Notice number:

(Block Example: Chart 1234 NM 4747).

Digital COLOUR NOTES are referenced by week:

(Note Example: w49-RP).

Each Block/Note is a separate file.

There are no links to the other NM files.

## NM Feedback Form.

If you have any comments or information regarding Admiralty Notices to Mariners, please complete the Form provided, and Email it to [generalenquiries@ukho.gov.uk](mailto:generalenquiries@ukho.gov.uk).

**Recommended PC/Printers/materials:** For optimum results when viewing and printing material from the digital files please note the following:

- The minimum specification is a 486 PC with Windows 3.1 and 4MB of RAM.
- When printing data from the files, ensure the 'Fit to Page' icon in the Adobe Acrobat print menu is 'switched off' before printing. Otherwise large text pages will be compressed, or large size Blocks may not fit the chart.

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- If printing text or monochrome NM Blocks, the minimum specification is an Ink-jet or good quality Laser *Postscript* printer with at least 6 MB of memory. (NB. If using a *Postscript* printer, ensure the *Postscript printer driver* is installed).
- For printing Colour NM Blocks the minimum specification of printer is a good quality Ink Jet/Laser printer with 300 dpi resolution or greater.
- If using certain types of Ink Jet printer ensure the setting is set to 'Dithered screening' not 'Pattern screening'.
- Printed colour copies should be compared with the colour image 'on screen' to ensure that all the colours have reproduced correctly. Printer property resolution and ink density may need to be increased or adjusted to obtain the best results.
- Ensure the Colour Ink Cartridge is in accordance with the printer manufacturer's specifications.
- Minimum paper specification for printing Colour NM Blocks is International paper size A4, thickness/weight 80 gsm paper. (The same paper as used for NM Blocks in the NM Weekly).  
NB. (Ensure the paper quality is in accordance with the Printer manufacturer's specifications).

### **Help-Line**

If you experience any difficulties, please contact the UKHO Help-Line on:

Tel: +44 (0) 1823 337900 Ext.3342

Fax: +44 (0) 1823 331945

E-mail: [generalenquiries@ukho.gov.uk](mailto:generalenquiries@ukho.gov.uk)



# ADMIRALTY NOTICES TO MARINERS

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# I

## EXPLANATORY NOTES

### Dating

Weekly Notices are dated for the Thursday appropriate to the week they are issued and include notices up to the preceding Saturday, the date of printing.

### Charts and Positions

The notices in Section II give instructions for the updating of standard navigational charts and selected thematic charts in the Admiralty series. Geographical **positions** refer to the horizontal **datum** of the current edition of the largest scale chart unless otherwise stated. Where overlapping and smaller scale charts covering the area of the notice are referred to different datums, the positions appropriate to each chart are identified by a lettering system. At small scales the position shift between the various horizontal datums may be too small to plot and thus the positions will be quoted only at the datum of the largest scale chart. 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 **Small Craft Products** are referred to different horizontal datums than the standard navigational chart; for that geographical area positions in the notices cannot be plotted directly on the Small Craft 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 (abbreviated m, fm, ft, respectively).

Blocks and notes accompanying notices in Section II are placed within Section II.

### Temporary and Preliminary Notices

These are indicated by (T) or (P) after the notice number. They are printed on one side of the paper in order that they may be cut up and filed and are placed at the end of Section II. 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 (NP 100) gives a fuller explanation of the limitations of charts. Annual Notice 9 gives the UKHO policy for the promulgation and selection of safety-critical information for charts. Details of chart updating methods can be found in NP294, "How to correct your charts the Admiralty way", published October 1997. 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 a significant amendment. In the case of a new light, an asterisk (\*) will appear under **all** columns. New and extensively altered entries are intended to be pasted in. It is recommended that a manuscript entry is made for all shorter corrections.

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.

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 a radiobeacon its Admiralty List of Radio Signals Volume 2 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 up and pasted in 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 Notices to Mariners. A list of amendments in force is published in Section IV of the Weekly Edition for the last week of each month.

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 current supplement, but, if this is done, when a new supplement is received care must be taken to retain those amendments issued after the date of the new supplement, which may be several months before its receipt on board.

### Radio Navigational Warnings

See Note at the start of Section III.

### 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.

# I

## EXPLANATORY NOTES

### Laws and Regulations

While, in the interests of the safety of shipping, the UK Hydrographic Office 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 must 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.

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| 1105                | 677      | 2362                | 750T          |
| 1106                | 673      | 2404                | 684           |
| 1108                | 677      | 2412                | 696           |
| 1153                | 677      | 2414                | 755P          |
| 1154                | 677      | 2420                | 654           |
| 1170                | 753P     | 2434                | 729           |
| 1254                | 697      | 2492                | 748           |
| 1261                | 755P     | 2523                | 687, 688      |
| 1278                | 730      | 2563                | 742           |
| 1328                | PL       | 2564                | 742           |
| 1329                | PL       | 2583                | 665           |
| 1340                | PL       | 2589                | 666           |
| 1341                | PL       | 2590                | 666           |
| 1349                | 673      | 2593                | 669           |
| 1374                | 692      | 2597                | 665           |
| 1388                | PL       | 2613                | 672, 673      |
| 1390                | PL       | 2618                | 695           |
| 1402                | 750T     | 2633                | 754P          |
| 1405                | 669      | 2634                | 754P          |
| 1507                | 669      | 2670                | 748           |
| 1516                | 747      | 2693                | 644           |
| 1536                | 652, 653 | 2695                | 644           |
| 1543                | 652, 653 | 2726                | 745           |
| 1552                | 655      | 2732                | 744           |
| 1555                | 694      | 2810                | 740           |
| 1563                | 754P     | 2834                | 680           |
| 1700                | 679      | 2837                | 687, 688, 689 |
| 1749                | PL       | 2839                | 724           |
| 1754                | 696      | 2847                | 688, 689      |
| 1800                | 708      | 2858                | 689           |
| 1807                | PL       | 2883                | 689           |
| 1808                | PL       | 2885                | 725           |
| 1809                | PL       | 2886                | 687, 688      |
| 1810                | 760      | 2921                | 741           |
| 1817                | PL       | 2926                | PL            |
| 1853                | 727      | 2933                | 648, 760      |
| 1857                | 678      | 2937                | PL            |
| 1871                | PL, 709  | 2938                | 760           |
| 1875                | 668      | 2957                | 704           |
| 1917                | 694      | 2985                | 752P          |
| 1918                | 694      | 2986                | PL, 752P      |
| 1962                | 694      | 2989                | 752P          |
| 1968                | 694      | 3026                | 694           |
| 1976                | 682      | 3096                | 746           |
| 2010                | 655      | 3106                | 651           |
| 2052                | 644      | 3117                | 650           |
| 2067                | 691      | 3131                | 657           |

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| 3150                 | 739       | Aus 354                 | 712       |
| 3153                 | 699       | Aus 357                 | 758T      |
| 3154                 | 658       | Aus 358                 | 758T      |
| 3191                 | 750T      | Aus 361                 | 713, 714  |
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| 3235                 | 695       | Aus 370                 | 717       |
| 3270                 | 647       | Aus 379                 | 712       |
| 3312                 | 685       | Aus 422                 | 712, 758T |
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| 3415                 | 659       | Aus 786                 | 756T      |
| 3429                 | 675       | Aus 788                 | 719       |
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| 3451                 | 743       |                         |           |
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| 3604                 | 701       | INT 53                  | 723       |
| 3619                 | 667       | INT 60                  | 715       |
| 3640                 | 676       | INT 511                 | PL        |
| 3649                 | 705, 706  | INT 512                 | PL        |
| 3650                 | 704       | INT 552                 | 694       |
| 3664                 | PL        | INT 553                 | 694       |
| 3674                 | 674       | INT 602                 | 714, 715  |
| 3712                 | 658       | INT 810                 | 723       |
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| 3841                 | 738       | INT 1043                | 669       |
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| 3850                 | 736       | INT 1374                | 664       |
| 3851                 | 736, 737  | INT 1379                | 666       |
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| 3858                 | 737       | INT 1414                | 669       |
| 3983                 | 649       | INT 1415                | PL        |
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| 4053                 | 723       | INT 1472                | 671       |
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## ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

## NEW ADMIRALTY CHARTS AND PUBLICATIONS

## Admiralty Charts published 14 February 2002

| Chart | Title, limits and other remarks                                                                                                                                                                                                                                                                                                                                                                                                       | Scale     | Folio | Catalogue page | UK (RRP)* |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|----------------|-----------|
| ⊙2926 | Mozambique, Porto de Mozambique to Pemba.<br>12°45'·00S. — 15°45'·00S., 39°40'·00E. — 41°45'·00E.<br><br><i>A metric replacement for existing Chart 2937. One of a series of coastal charts at a scale of 1:300,000, including the latest information from Mozambique charts. This chart is referred to WGS84 datum.</i><br><br><i>Note: Chart 2937 is to be deleted from the list of charts affected by Former Notice 144(P)/95.</i> | 1:300,000 | 36    | 52             | £16·30    |

## NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

## Admiralty Charts published 14 February 2002

| Chart            | Title and other remarks                                                                                                                                                                                                                                                                                                       | Scale       | Folio | Catalogue page | UK (RRP)* |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|----------------|-----------|
| ⊙1749            | Argentina - Uruguay, Río de la Plata, Montevideo to Buenos Aires.<br><br><i>Includes amendments to depths, buoyage, lights and wrecks throughout.</i>                                                                                                                                                                         | 1:250,000   | 95    | 114            | £16·30    |
| ⊙2129            | Republic of Ireland - South Coast, Long Island Bay to Castlehaven.<br><br><i>Includes extensive marine farm developments in Roaringwater Bay.</i>                                                                                                                                                                             | 1:30,000    | 2     | 18             | £16·30    |
| ⊙2184            | Republic of Ireland - South-West Coast, Mizen Head to Gascanane Sound.<br><br><i>Includes extensive marine farm developments in Roaringwater Bay.</i>                                                                                                                                                                         | 1:30,000    | 2     | 18             | £16·30    |
| ⊙4511<br>INT 511 | International Chart Series, North Pacific Ocean, Northern Portion of Japan.<br><br><i>This partial new edition is limited to include updated details of Russian Regulated Areas. Lines of equal magnetic variation have been updated for the 2000 epoch.</i>                                                                  | 1:3,500,000 | 55    | 14, 82         | £16·30    |
| ⊙4512<br>INT 512 | International Chart Series, North Pacific Ocean, Sea of Okhotsk.<br><br><i>This partial new edition is limited to include updated details of Russian Regulated Areas. Lines of equal magnetic variation have been updated for the 2000 epoch.</i><br><br><i>Note: This chart remains affected by Former Notice 113(P)/98.</i> | 1:3,500,000 | 56    | 14, 82         | £16·30    |

\*UK (RRP) means UK recommended retail price.

⊙ denotes chart available in the ARCS series.

## II

### ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

#### ADMIRALTY CHARTS TO BE PUBLISHED 14 MARCH 2002

##### New Editions of Admiralty Charts

| Chart | Title and other remarks                                                                                                                                                                                                                                                            | Scale                                                    | Charts to be<br><b>WITHDRAWN</b> |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------|
| 1328  | Japan, Honshū - West Coast, Niigata Kō to Tobi Shima including Sado Shima.<br><i>This partial new edition is limited to the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i>                                                                       | 1:250,000                                                | 1328                             |
| 1329  | Japan, Honshū - West Coast, Tobi Shima to Tsugaru Kaikyō.<br><i>This partial new edition is limited to include changes to depths in the vicinity of Kyūroku Shima and the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00).</i>                                | 1:250,000                                                | 1329                             |
| 1340  | Japan, Tsugaru Kaikyō.<br><i>This partial new edition is limited to the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i>                                                                                                                           | 1:250,000                                                | 1340                             |
| 1341  | Japan, Honshū - North Coast, Aomori.<br>Aomori, Inner Harbour.<br><i>This partial new edition is limited to include a works in progress area in the vicinity of 40° 50'·0N., 140° 44'·8E. and the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i> | 1:25,000<br>1:12,500                                     | 1341                             |
| 1388  | Japan, Ports on the North Coast of Honshū.<br>Ⓐ Funakawa.<br>Ⓑ Akita.<br>Ⓒ Sakata.<br>Ⓓ Niigata Higashi Ku.<br>Ⓔ Niigata.<br><i>This partial new edition is limited to the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i>                        | 1:20,000<br>1:20,000<br>1:20,000<br>1:20,000<br>1:15,000 | 1388                             |
| 1390  | Japan, Ports in Northern Honshū.<br>Approaches to Akita and Funakawa.<br>Approaches to Niigata.<br><i>This partial new edition is limited to the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i>                                                  | 1:50,000<br>1:50,000                                     | 1390                             |

## II

### ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

#### ADMIRALTY CHARTS TO BE PUBLISHED 14 MARCH 2002

##### New Editions of Admiralty Charts (continued)

| Chart            | Title and other remarks                                                                                                                                                                                                                                     | Scale                 | Charts to be<br><b>WITHDRAWN</b> |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|
| 1807             | Japan, Ports on the West Coast of Hokkaidō.<br>Ⓐ Otaru Kō.<br>Ⓑ Rumoi Kō.<br><i>This partial new edition is limited to the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i>                                                 | 1:15,000<br>1:7,500   | 1807                             |
| 1808             | Japan, Hokkaidō - West Coast, Approaches to Otaru Kō and Rumoi Kō.<br><i>This partial new edition is limited to the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i>                                                        | 1:200,000             | 1808                             |
| 1809             | Japan, Hokkaidō - North Coast, Wakkanai.<br>Approaches to Wakkanai.<br><i>This partial new edition is limited to the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i>                                                       | 1:25,000<br>1:200,000 | 1809                             |
| 1817             | Japan, Hokkaidō - South Coast, Approaches to Muroran Kō and Tomakomai Kō.<br><i>This partial new edition is limited to the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i>                                                 | 1:150,000             | 1817                             |
| 1871             | Japan, Hokkaidō - South Coast, Hakodate Wan.<br>Hakodate Kō.<br><i>This partial new edition is limited to include harbour developments in the vicinity of Hakodate and the transfer of the horizontal datum to WGS84 (Former Notice 3871(P)/00 refers).</i> | 1:50,000<br>1:13,000  | 1871                             |
| 2322<br>INT 1415 | International Chart Series, Netherlands, North Sea, Goeree to Texel.<br><i>Includes changes to depths throughout from the latest Netherlands Government surveys. Netherlands maritime limits have been added. The chart is now referred to WGS84 datum.</i> | 1:150,000             | 2322<br>INT 1415                 |
| 2986<br>INT 1840 | International Chart Series, France - West Coast, Approaches to La Loire.<br><i>This partial new edition is limited to include changes to buoyage in the approaches to the Loire.</i>                                                                        | 1:50,000              | 2986<br>INT 1840                 |

## II

### ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

#### ADMIRALTY CHARTS TO BE PUBLISHED 14 MARCH 2002

##### New Editions of Admiralty Charts (continued)

| <i>Chart</i> | <i>Title and other remarks</i>                               | <i>Scale</i> | <i>Charts to be<br/>WITHDRAWN</i> |
|--------------|--------------------------------------------------------------|--------------|-----------------------------------|
| 3664         | South Pacific Ocean, Plans in Archipel des Tuamotu.          |              | 3664                              |
|              | Raroïa, Pass and Anchorage.                                  | 1:10,025     |                                   |
|              | Makemo, Passe Arikitamiro and Anchorages.                    | 1:12,525     |                                   |
|              | Tahanea, Passe Motu Puapua Passe Teavatapu and Passe D'otao. | 1:15,050     |                                   |
|              | Makatea.                                                     | 1:49,650     |                                   |
|              | Hao.                                                         | 1:200,000    |                                   |
|              | Hao, Passe Kaki to Mouillage D'Otepa.                        | 1:40,125     |                                   |
|              | Hao, Passe Kaki.                                             | 1:10,050     |                                   |

*This partial new edition is limited to include changes to lights and buoyage in the vicinity of Hao.*

#### ADMIRALTY CHARTS AND PUBLICATIONS PERMANENTLY WITHDRAWN

##### Admiralty Charts

| <i>Chart to be<br/>WITHDRAWN</i> | <i>Main Title</i>                                                           | <i>On publication of<br/>New Chart/New Edition</i> |
|----------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------|
| 1749                             | Argentina - Uruguay, Río de la Plata, Montevideo to Buenos Aires.           | ⊙1749                                              |
| 2129                             | Republic of Ireland - South Coast, Long Island Bay to Castlehaven.          | ⊙2129                                              |
| 2184                             | Republic of Ireland - South-West Coast, Mizen Head to Gascanane Sound.      | ⊙2184                                              |
| 2937                             | Africa - East Coast, Ponta Namalungo to Ponta Uifundo.                      | ⊙2926                                              |
| 4511<br>INT 511                  | International Chart Series, North Pacific Ocean, Northern Portion of Japan. | ⊙4511<br>INT 511                                   |
| 4512<br>INT 512                  | International Chart Series, North Pacific Ocean, Sea of Okhotsk.            | ⊙4512<br>INT 512                                   |

⊙ denotes chart available in the ARCS series.

## II

### ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS84 COMPATIBLE DATUM

The following is the current list of Admiralty Charts of Great Britain that are referred to a WGS84 compatible datum. Former Notice 4731(P)/00 refers.

|       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|
| ⊙18   | ⊙1152 | ⊙1446 | ⊙1882 | ⊙2045 | ⊙2642 |
| ⊙26   | ⊙1156 | ⊙1464 | ⊙1892 | ⊙2052 | ⊙2656 |
| ⊙28   | ⊙1160 | ⊙1478 | ⊙1900 | ⊙2093 | ⊙2693 |
| ⊙30   | ⊙1161 | ⊙1481 | ⊙1901 | ⊙2094 | ⊙2695 |
| ⊙31   | ⊙1164 | ⊙1482 | ⊙1902 | ⊙2151 | ⊙2696 |
| ⊙32   | ⊙1165 | ⊙1484 | ⊙1934 | ⊙2154 | ⊙2793 |
| ⊙34   | ⊙1166 | ⊙1491 | ⊙1951 | ⊙2172 | ⊙2841 |
| ⊙105  | ⊙1167 | ⊙1503 | ⊙1953 | ⊙2175 | ⊙2878 |
| ⊙106  | ⊙1168 | ⊙1504 | ⊙1967 | ⊙2253 | ⊙3164 |
| ⊙107  | ⊙1169 | ⊙1512 | ⊙1970 | ⊙2255 | ⊙3271 |
| ⊙108  | ⊙1176 | ⊙1536 | ⊙1971 | ⊙2268 | ⊙3272 |
| ⊙109  | ⊙1178 | ⊙1543 | ⊙1972 | ⊙2290 | ⊙3273 |
| ⊙111  | ⊙1179 | ⊙1552 | ⊙1973 | ⊙2345 | ⊙3274 |
| ⊙121  | ⊙1182 | ⊙1594 | ⊙1975 | ⊙2449 | ⊙3275 |
| ⊙129  | ⊙1183 | ⊙1606 | ⊙1977 | ⊙2450 | ⊙3284 |
| ⊙134  | ⊙1185 | ⊙1607 | ⊙1978 | ⊙2451 | ⊙3294 |
| ⊙147  | ⊙1186 | ⊙1609 | ⊙1981 | ⊙2454 | ⊙3297 |
| ⊙148  | ⊙1187 | ⊙1610 | ⊙1991 | ⊙2482 | ⊙3298 |
| ⊙152  | ⊙1188 | ⊙1612 | ⊙1994 | ⊙2484 | ⊙3315 |
| ⊙154  | ⊙1190 | ⊙1613 | ⊙2000 | ⊙2565 | ⊙3319 |
| ⊙156  | ⊙1191 | ⊙1626 | ⊙2007 | ⊙2566 | ⊙3337 |
| ⊙160  | ⊙1192 | ⊙1627 | ⊙2010 | ⊙2567 | ⊙3418 |
| ⊙323  | ⊙1200 | ⊙1634 | ⊙2011 | ⊙2571 | ⊙3478 |
| ⊙442  | ⊙1267 | ⊙1652 | ⊙2013 | ⊙2572 | ⊙3490 |
| ⊙536  | ⊙1320 | ⊙1698 | ⊙2021 | ⊙2610 | ⊙3497 |
| ⊙777  | ⊙1344 | ⊙1827 | ⊙2022 | ⊙2611 | ⊙3683 |
| ⊙871  | ⊙1346 | ⊙1828 | ⊙2035 | ⊙2615 | ⊙3741 |
| ⊙883  | ⊙1410 | ⊙1834 | ⊙2036 | ⊙2625 | ⊙3746 |
| ⊙1076 | ⊙1411 | ⊙1835 | ⊙2037 | ⊙2628 | ⊙3750 |
| ⊙1148 | ⊙1413 | ⊙1859 | ⊙2041 | ⊙2629 |       |
| ⊙1149 | ⊙1438 | ⊙1866 | ⊙2044 | ⊙2631 |       |

UK Hydrographic Office (HA 405/006/006/02)

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⊙ denotes chart available in the ARCS series.

## II

### 760 MISCELLANEOUS UPDATES TO CHARTS

| Chart | Previous Notice<br>to Mariners | Details                                                                                                                                                                                                                                                                                                                                                                                  |
|-------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 649   | New Edition<br>23/8/01         | Insert accompanying note, POSITIONS, centred on 14° 12'·3S., 40° 56'·5E.                                                                                                                                                                                                                                                                                                                 |
| 1810  | 3469/01                        | Insert magenta limit and chart reference, 2926 ( <i>see Note-POSITIONS</i> ), as follows:<br>North: — East: 41° 45'·0E.<br>South: 15° 45'·0S. West: 39° 40'·0E.<br>Substitute accompanying note, POSITIONS, for existing note, CHARTS 2932, 2933, 2934 and 2935: POSITIONS, centred on 17° 32'·0S., 35° 40'·0E.                                                                          |
| 2110  | 2037/01                        | Insert magenta limit and chart reference, 2926 ( <i>see Note-POSITIONS</i> ), as follows:<br>North: 12° 45'·0S. East: 41° 45'·0E.<br>South: 15° 45'·0S. West: 39° 40'·0E.<br>Substitute accompanying note, POSITIONS, for existing note, CHART 2933: POSITIONS, centred on 12° 43'·0S., 39° 34'·0E.<br>Delete magenta limit and chart number, 2937, in position 13° 10'·0S., 41° 46'·0E. |
| 2933  | 648/02                         | Amend reference in N. border at longitude 40° 40'·0E. to read, <i>Adjoining Chart 2926</i> . (This amendment has been previously included in Notice to Mariners block update 648/02).                                                                                                                                                                                                    |
| 2938  | 2037/01                        | Insert accompanying note, POSITIONS, centred on 11° 06'·0S., 40° 05'·0E.<br>Amend reference in S. border at longitude 40° 50'·0E. to read <i>Adjoining Chart 2926</i> ( <i>see Note-POSITIONS</i> ).                                                                                                                                                                                     |

UK Hydrographic Office.

### 643\* ADMIRALTY PUBLICATIONS — Chart 5011, Symbols and Abbreviations used on Admiralty Charts — Correction Supplement No 3 of 2002 — Correction to text at IQ 130.1

*Certain copies only*

Insert the accompanying block, showing corrected text in the International Buoyage Regions A & B Lateral Marks Diagrams at IQ 130.1 on page 54 of Admiralty Chart 5011 the following in the Record of Corrections, inside the front cover:

| SUPPLEMENT<br>NUMBER | NOTICE<br>NUMBER | YEAR |
|----------------------|------------------|------|
| 3                    | 643              | 2002 |

**Chart** [*Last correction*].— **5011** (INT 1) [ 2790/01 ]  
UK Hydrographic Office (HA.405/005/020/01).

### 644\* ENGLAND, East Coast — Orford Haven — Depths; Drying heights

|        |                                                                                      |                                                                                                 |
|--------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Insert | the accompanying block, showing amendments to depths and drying heights, centred on: | (a) 52° 01'·88N., 1° 29'·23E.<br>(b) 52° 01'·85N., 1° 27'·93E.<br>(c) 52° 02'·10N., 1° 27'·85E. |
| Delete | drying height Q 2 m                                                                  |                                                                                                 |

*Note:* Drying patch remains at (c) above

**Positions** on all the charts affected by this notice are referred to a **WGS84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

**Chart** [*Last correction*].— **2693** (INT 1570) (a) [ 4654/01 ] — **2695** (plan C, Rivers Ore and Alde) (b) [ 3554/01 ] — **2052** (INT 1560) (c) [ 4654/01 ]  
Trinity House (HH.242/520/05).

### 652\* ENGLAND, East Coast — Approaches to Lowestoft — Stanford Channel — The Ridge — Buoy

|      |                                   |                                                        |
|------|-----------------------------------|--------------------------------------------------------|
| Move | N Newcome light-buoy from:<br>to: | 52° 28'·31N., 1° 46'·32E.<br>52° 28'·39N., 1° 46'·37E. |
|------|-----------------------------------|--------------------------------------------------------|

*Note:* **Positions** on both of the charts affected by this notice are referred to a **WGS84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

**Chart** [*Last correction*].— **1536** (INT 1557) (plan C, Approaches to Lowestoft) & **1536** (INT 1557) [ 4855/01 ] — **1543** [ 3829/01 ]  
Trinity House Notice 1/02 (HH.242/530/08).

## II

### 653\* ENGLAND, East Coast — Approaches to Great Yarmouth — Caister Shoal Northwards to Corton Sand — Depths

|        |                                                                        |     |                           |
|--------|------------------------------------------------------------------------|-----|---------------------------|
| Insert | depth 1 <sub>3</sub> m                                                 | (a) | 52° 40′.97N., 1° 45′.17E. |
|        | depth 0 <sub>7</sub> m and extend 2m contour NW. to enclose (a) above, |     |                           |
|        | (chart 1543, depth 0 <sub>7</sub> m and extend 2m contour NW. to       |     |                           |
|        | enclose <u>position</u> (a) above)                                     | (b) | 52° 40′.70N., 1° 45′.27E. |
|        | depth 7 <sub>9</sub> m                                                 | (c) | 52° 35′.52N., 1° 46′.61E. |
|        | depth 6 <sub>1</sub> m                                                 | (d) | 52° 35′.31N., 1° 46′.69E. |
|        | depth 6 <sub>3</sub> m enclosed by 10m contour                         | (e) | 52° 35′.05N., 1° 47′.95E. |
|        | depth 6 <sub>2</sub> m enclosed by 10m contour                         | (f) | 52° 34′.66N., 1° 47′.78E. |
|        | depth 0 <sub>6</sub> m enclosed by 2m contour                          | (g) | 52° 34′.66N., 1° 47′.99E. |
| Delete | depth 1 <sub>7</sub> m enclosed by 2m contour                          | (h) | close N. of (a) above     |
|        | depth 2 <sub>1</sub> m                                                 | (i) | close S. of (b) above     |
|        | depth 9 <sub>1</sub> m                                                 | (j) | close W. of (c) above     |
|        | depth 7 <sub>6</sub> m                                                 | (k) | close SE. of (d) above    |
|        | depth 7 <sub>4</sub> m                                                 | (l) | close E. of (g) above     |

**Note:** **Positions** on both charts affected by this notice are referred to a **WGS84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

**Chart** [Last correction].— **1536** (INT 1557) [ 652/02 ] — **1543** (b,e,g,i,l) [ 652/02 ]

Trinity House (HH.242/540/14).

### 654\* IRELAND, West Coast — Approaches to Galway Bay — North Sound and South Sound — Gorumna Island Southwards and Inisheer Eastwards — Depths

|        |                         |     |                           |
|--------|-------------------------|-----|---------------------------|
| Insert | depth 10 <sub>4</sub> m | (a) | 53° 12′.70N., 9° 39′.15W. |
|        | depth 26m               | (b) | 53° 02′.90N., 9° 25′.95W. |
| Delete | depth 19 <sub>8</sub> m | (c) | adjacent to (a) above     |
|        | depth 28m               | (d) | close E./N. of (b) above  |

**Chart** [Last correction].— **2096** (a) [ 1872/00 ] — **3338** (b,d) [ 1504/00 ] — **3339** (a,b,d) [ 4966/01 ] — **2173** (INT 1616) [ 46/00 ] — **2420** (INT 1617) (a,c) [ 4857/01 ]

Marine Institute (HH.292/450/03).

### 655\* ENGLAND, West Coast — Morecambe Bay — Approaches to Heysham — Heysham Lake — Drying height; Depths

|        |                                                              |     |                            |
|--------|--------------------------------------------------------------|-----|----------------------------|
| Insert | drying height 1 <sub>3</sub> m enclosed by drying contour    | (a) | 53° 59′.96N., 2° 57′.99W.  |
|        | depth 7 <sub>3</sub> m and extend 10m contour SW. to enclose |     | 53° 59′.89N., 2° 58′.30W.  |
| Delete | depth 8 <sub>3</sub> m                                       |     | 1 cable NNE. of (a) above  |
|        | depth 8m                                                     | (b) | 1.1 cable SW. of (a) above |

**Note:** **Positions** on both charts affected by this notice are referred to a **WGS84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

**Chart** [Last correction].— **1552** (INT 1641) (**plan A, River Lune and Approaches to Heysham**) [ 3753/01 ] — **2010** (INT 1640) (a,b) [ 3753/01 ]

Mersey Docks and Harbour Company Survey (HH.206/430/05).

### 656\* ENGLAND, West Coast — River Mersey — Pluckington Bank Southwards — Drying patch

|        |                                    |                             |
|--------|------------------------------------|-----------------------------|
| Insert | circular drying patch, centred on: | 53° 22′.758N., 2° 59′.171W. |
|--------|------------------------------------|-----------------------------|

**Note:** **Positions** on the chart affected by this notice are referred to a **WGS84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

**Chart** [Last correction].— **3490** (INT 1643) (**panel A**) & (**panel B**) [ New Edition 20/12/01 ]

Mersey Docks and Harbour Company (HH.206/460/10).

### 657 NORWAY, West Coast — Fensfjorden — Brandangersundet — Sandøytangen and Slovågen — Lights

|        |                           |                          |
|--------|---------------------------|--------------------------|
| Insert | ★ <i>Iso.R.6s PA</i>      | 60° 51′.0N., 5° 02′.5E.  |
|        | ★ <i>FR PA</i>            | 60° 51′.32N., 5° 03′.9E. |
| Amend  | light to, <i>Iso.R.2s</i> | 60° 51′.2N., 5° 03′.9E.  |
|        | light to, <i>F.G</i>      | 60° 51′.3N., 5° 04′.1E.  |

**Chart** [Last correction].— **509** [ 4974/01 ] — **3131** [ 4118/01 ]

Light List Vol. B, 2001/02, 4256.5, 4257, 4257.2, 4257.3

Norwegian Notice 24/1062/01 (HH.310/455/03).

## II

### 658 NORWAY, South Coast — Oslofjorden — Gåsøya Southeastwards and S Langåra Northwards — Direction of traffic flow

|        |                                                                             |     |                            |
|--------|-----------------------------------------------------------------------------|-----|----------------------------|
| Insert | recommended direction of traffic flow arrow, direction 230°,<br>centred on: | (a) | 59° 50'·78N., 10° 35'·40E. |
|        | recommended direction of traffic flow arrow, direction 36°,<br>centred on:  | (b) | 59° 50'·29N., 10° 36'·19E. |
|        | recommended direction of traffic flow arrow, direction 181°,<br>centred on: |     | 59° 46'·25N., 10° 33'·60E. |
|        | recommended direction of traffic flow arrow, direction 359°,<br>centred on: |     | 59° 46'·19N., 10° 34'·42E. |

**Chart** [Last correction].— **3712 (plan A, Oslo Approaches)** (a,b) [ New Edition 15/11/01 ] — **3154** [ 4570/01 ]  
Norwegian Chart 4 (HH.308/080/01).

### 645 BALTIC SEA — Gulf of Bothnia — Sweden, East Coast — Söderhamnsfjärden — Lights; Leading lines; Recommended track

|        |                                                                                                                  |                            |
|--------|------------------------------------------------------------------------------------------------------------------|----------------------------|
| Insert | the accompanying block, showing new lights and leading<br>lines and amendments to recommended track, centred on: | 61° 17'·90N., 17° 08'·00E. |
|--------|------------------------------------------------------------------------------------------------------------------|----------------------------|

**Chart** [Last correction].— **70 (plan D, Söderhamnsfjärden)** [ 2989/01 ]

Light List Vol. C, 2001/02, 6106, 6108.1

Swedish Notice 51–52/922/01 (HH.318/565/02).

### 646 BALTIC SEA — Gulf of Finland — Russia — Luzhskaya Guba, Ostrov Seskar Northwards and Bk. Grekova — Lights; Leading line; Buoyage

|        |                                                                                      |     |                            |
|--------|--------------------------------------------------------------------------------------|-----|----------------------------|
| Insert | the accompanying block, showing new lights, leading line<br>and buoyage, centred on: | (a) | 59° 47'·0N., 28° 27'·0E.   |
|        | port-hand pillar light-buoy, <i>Fl.R.3s No 2</i>                                     | (b) | 60° 06'·59N., 28° 26'·51E. |
|        | starboard-hand pillar light-buoy, <i>Fl.G.3s No 1</i>                                | (c) | 60° 05'·72N., 28° 17'·51E. |
|        | S. cardinal pillar light-buoy, <i>Q(6)+LFl.15s</i>                                   | (d) | 60° 11'·40N., 28° 41'·38E. |
| Delete | S. cardinal spar buoy                                                                | (e) | close NW. of (d) above     |

**Chart** [Last correction].— **2264 (plan B, Traffic Lanes North of Ostrov Seskar)** (b,c) & **2264** [ 165/02 ]

Light List Vol. C, 2001/02, 3981, 3981.1, 3982

Baltico and Russian Chart 25012 (HH.304/560/03).

### 659 BALTIC SEA — Gulf of Bothnia — Finland, West Coast — Reposaari Westwards — Buoy

|        |                       |                            |
|--------|-----------------------|----------------------------|
| Insert | S. cardinal spar buoy | 61° 37'·05N., 21° 23'·50E. |
|--------|-----------------------|----------------------------|

**Chart** [Last correction].— **3415 (plan A, Approaches to Mäntyluoto and Tahkoluoto)** [ 352/02 ]

Finnish Chart 125 (HH.321/690/02).

### 660 BALTIC SEA — Finland, South-West Coast — Saaristomeri — Jataniemenaukko — Svartklubb — Beacon; Light-beacon; Buoyage

|            |                                                                                                  |     |                            |
|------------|--------------------------------------------------------------------------------------------------|-----|----------------------------|
| Substitute | beacon for light-beacon, <i>VQ(5)Y.6s12m3M</i>                                                   | (a) | 60° 24'·09N., 21° 32'·52E. |
|            | S. cardinal spar light-buoy without topmark, <i>VQ(6)+LFl.10s</i> ,<br>for S. cardinal spar buoy |     | 60° 24'·03N., 21° 32'·45E. |

*Note:* radar reflector remains at (a) above

**Chart** [Last correction].— **3439** [ 4457/01 ]

Light List Vol. C, 2001/02, 4700

Finnish Notice 1/5/02 (HH.319/460/04).

### 661 BALTIC SEA — Gulf of Finland — Russia — Ostrov Malyy Tyuters Southeastwards — Depth

|        |                                     |                            |
|--------|-------------------------------------|----------------------------|
| Insert | depth 168 m enclosed by 20m contour | 59° 44'·00N., 27° 09'·90E. |
|--------|-------------------------------------|----------------------------|

**Chart** [Last correction].— **2248** [ 430/02 ]

Russian Chart 23070 (HH.344/550/02).

### 662 BALTIC SEA — Gulf of Finland — Estonia — Keri Northeastwards — Depth

|        |           |                            |
|--------|-----------|----------------------------|
| Insert | depth 60m | 59° 42'·90N., 25° 03'·91E. |
|--------|-----------|----------------------------|

**Chart** [Last correction].— **2248** [ 661/02 ]

Estonian Chart 504 (HH.344/530/02).

## II

### 663 BALTIC SEA — Estonia — Gulf of Riga — Saaremaa Southwards — Abruksa Saar Southwestwards and Allirahu Northwards and Eastwards — Buoyage

|        |                                    |                                                          |
|--------|------------------------------------|----------------------------------------------------------|
| Insert | N. cardinal spar buoy              | 58° 10'·28N., 22° 47'·27E.                               |
| Move   | W. cardinal spar buoy from:<br>to: | 58° 07'·28N., 22° 25'·60E.<br>58° 06'·83N., 22° 27'·13E. |
| Delete | E. cardinal spar buoy              | 58° 09'·55N., 22° 50'·35E.                               |

**Chart** [*Last correction*].— **2215** [ 407/02 ]  
Estonian Chart 519 (HH.344/460/03).

### 664 BALTIC SEA — Denmark, East Coast — Lillebælt — Als Fjord — Ballebro and Hardeshøj — Lights

|        |                          |                                                        |
|--------|--------------------------|--------------------------------------------------------|
| Insert | ★ <i>Ldg.2FR (occas)</i> | 54° 59'·94N., 9° 40'·25E.<br>55° 00'·48N., 9° 41'·58E. |
|--------|--------------------------|--------------------------------------------------------|

**Chart** [*Last correction*].— **901** (INT 1374) [ 258/01 ]  
Light List Vol. C, 2001/02, 1066.1, 1066.11, 1066.3, 1066.31  
Danish Chart Corrections 51–52/409–410/01 (HH.332/540/02).

### 665 BALTIC SEA — Denmark, East Coast — Storebælt — Omø Stålgrunde — Buoy

|        |                                                        |                            |
|--------|--------------------------------------------------------|----------------------------|
| Insert | special can light–buoy with topmark, <i>Fl(5)Y.20s</i> | 55° 04'·00N., 11° 08'·00E. |
|--------|--------------------------------------------------------|----------------------------|

**Chart** [*Last correction*].— **2583** [ 1031/01 ] — **2597** (INT 1368) [ 3758/01 ]  
Danish Chart Correction 51–52/408/01 (HH.333/560/03).

### 666 BALTIC SEA — Kattegat — Denmark, East Coast — Glatved Strand — Light

|        |                            |                            |
|--------|----------------------------|----------------------------|
| Delete | • (lighted) <i>Fl.G.3s</i> | 56° 17'·99N., 10° 51'·97E. |
|--------|----------------------------|----------------------------|

**Chart** [*Last correction*].— **2589** (INT 1379) [ 4244/01 ] — **2590** (INT 1380) [ 4670/01 ]  
Light List Vol. C, 2001/02, 0216  
Danish Chart Correction 51–52/405/01 (HH.332/480/03).

### 667 GERMANY, North Sea Coast — The Elbe — Trischenflinge — Depths

|        |            |                               |
|--------|------------|-------------------------------|
| Insert | depth 58 m | (a) 54° 01'·20N., 8° 43'·61E. |
| Delete | depth 69 m | close SE. of (a) above        |

**Chart** [*Last correction*].— **3619** (INT 1452) [ 358/02 ]  
German Notice 2/(21)44/02 (HH.328/540/06).

### 668 GERMANY, North Sea Coast — Langeoog Northeastwards — Süderriff — Buoy

|        |                         |                         |
|--------|-------------------------|-------------------------|
| Delete | N. cardinal pillar buoy | 53° 45'·8N., 7° 37'·9E. |
|--------|-------------------------|-------------------------|

**Chart** [*Last correction*].— **1875** [ 433/02 ]  
German Notice 51–52/(21)89/02 (HH.328/500/02).

### 669 NORTH SEA — Netherlands Sector — East Friesland TSS Southwards — Platform; Restricted area; Submarine pipeline; Well

|        |                                                                                                                                                                                       |                                                                                                                                                                                                                        |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insert | □ (lighted) <i>G 17d–A</i> , (chart 2182A & 2182B, □ (lighted))<br>circular limit of restricted area, radius 500m (0·27M),<br>pecked line, centred on:<br>submarine pipeline joining: | (a) 54° 02'·99N., 5° 26'·39E.<br>(b) (a) above<br>(c) (a) above<br>(d) 53° 37'·56N., 5° 53'·11E.<br>(e) 53° 50'·25N., 5° 39'·90E.<br>(N. border)<br>(f) 53° 33'·30N., 5° 56'·80E.<br>(☉ Obstm), (chart 1405, ☉ Valves) |
| Delete | ○ Well, unsurveyed clearance depth 31m                                                                                                                                                | (g) close SE. of (a) above                                                                                                                                                                                             |

**Chart** [*Last correction*].— **1507** (INT 1419) (*a–d,g*) [ 4674/01 ] — **2593** (INT 1414) (*e,f*) [ 4873/01 ] — **1405** (*a,c,f,g*) [ 248/02 ]  
— **2182A** (INT 1043) (*a*) [ 248/02 ] — **2182B** (INT 1042) (*a*) [ 168/02 ]  
Light List Vol. A, 2001/02, 7682.2  
Netherlands Notice 3/64/02 (HH.340/620/06).

## II

### 670 NETHERLANDS — Approaches to Die Ems — Duke Gat — Lights

Amend light to, *Fl(3)Y.12s* (a) 53° 26'·70N., 6° 52'·99E.  
53° 26'·58N., 6° 53'·14E.

**Chart** [*Last correction*].— **3510** (a) [ 564/02 ] — **3509** [ 247/02 ]

Light List Vol. B, 2001/02, 0987, 0987.2

Netherlands Notice 3/65/02 (HH.340/710/03).

### 671 NETHERLANDS — Approaches to Stellendam — Rak Van Scheelhoek — Buoyage

|            |                                                                            |     |                           |
|------------|----------------------------------------------------------------------------|-----|---------------------------|
| Substitute | starboard-hand conical buoy, <i>R3</i> , for former <i>R3</i> light-buoy   | (a) | 51° 52'·73N., 4° 01'·47E. |
|            | port-hand can buoy, <i>R4</i> , for former <i>R4</i> light-buoy            | (b) | 51° 52'·85N., 4° 01'·70E. |
|            | starboard-hand conical buoy, <i>R7</i> , for former <i>R7</i> light-buoy   | (c) | 51° 51'·89N., 4° 02'·59E. |
|            | port-hand can buoy, <i>R8</i> , for former <i>R8</i> light-buoy            | (d) | 51° 52'·02N., 4° 02'·89E. |
|            | starboard-hand conical buoy, <i>R11</i> , for former <i>R11</i> light-buoy | (e) | 51° 50'·85N., 4° 03'·32E. |
|            | port-hand can buoy, <i>R12</i> , for former <i>R12</i> light-buoy          | (f) | 51° 50'·73N., 4° 03'·71E. |

**Chart** [*Last correction*].— **110** (INT 1473) (**plan B, Slijkgat to Stellendam**) (c-f) & **110** (INT 1473) (a,b) [ *New Edition* 31/1/02 ] — **122** (INT 1472) (a-d) [ 249/02 ]

Netherlands Notice 2/51/02 (HH.340/520/02).

### 647 PORTUGAL, West Coast — Setúbal — Canal da Solisnor or da Setenave — Buoyage

Insert the accompanying block, showing amendments to buoyage,  
centred on: 38° 28'·1N., 8° 48'·2W.

**Chart** [*Last correction*].— **3270** [ 176/02 ]

Portuguese Notice 22/406/01 (HH.363/490/03).

### 672 FRANCE, North Coast — Port-en-Bessin Northwestwards — Wrecks; Obstruction

|        |                                                 |     |                           |
|--------|-------------------------------------------------|-----|---------------------------|
| Insert | ○ <i>Wk</i> , least depth 118 m                 | (a) | 49° 21'·90N., 0° 45'·78W. |
| Delete | ○ <i>Obstn</i> , (chart 2613, ○ <i>Obstns</i> ) | (b) | 49° 21'·83N., 0° 45'·98W. |
|        | ○ <i>Wks</i> , least depth 113 m                |     | 49° 21'·92N., 0° 45'·69W. |

**Chart** [*Last correction*].— **2136** [ 4135/01 ] — **2613** (INT 1705) (a,b) [ 171/02 ]

French Notice 1/01/02 & UK Hydrographic Office (HH.351/510/06).

### 673 FRANCE, North Coast — Barfleur Southeastwards and Saint-Vaast-La-Houge Southeastwards — Le Moulard and Banc de Saint-Marcouf — Beacon tower; Wreck; Foul

|            |                                      |     |                           |
|------------|--------------------------------------|-----|---------------------------|
| Insert     | beacon tower                         | (a) | 49° 39'·31N., 1° 14'·10W. |
| Substitute | ○ <i>Wk</i> , least depth 24 m for # |     | 49° 31'·60N., 1° 12'·08W. |

**Chart** [*Last correction*].— **1349** (**plan G, Barfleur**) (a) [ 3564/00 ] — **1106** (a) [ 255/02 ] — **2135** [ 171/02 ] — **2613** (INT 1705) [ 672/02 ]

French Notices 50/21/01 & 51/19/01 (HH.351/510/06).

### 674 FRANCE, North Coast — Baie de Saint-Brieuc — Approaches to Le Légué — Buoyage

|            |                                                                       |     |                             |
|------------|-----------------------------------------------------------------------|-----|-----------------------------|
| Insert     | starboard-hand conical light-buoy with topmark, <i>Fl.G.4s 1 bis</i>  | (a) | 48° 32'·416N., 2° 42'·703W. |
|            | port-hand can light-buoy with topmark, <i>Fl.R.4s 2 bis</i>           |     | 48° 32'·330N., 2° 42'·631W. |
|            | port-hand can light-buoy with topmark, <i>Fl(2)R.6s 2 ter</i>         |     | 48° 32'·191N., 2° 42'·823W. |
| Amend      | 3 light-buoy to, <i>Fl(2)G.6s</i>                                     |     | 48° 32'·22N., 2° 42'·87W.   |
| Substitute | starboard-hand conical light-buoy with topmark, <i>Fl(3)G.12s 5</i> , |     | 48° 32'·17N., 2° 43'·00W.   |
|            | for former 5 buoy                                                     |     | close SW. of (a) above      |
| Delete     | former 1 bis buoy                                                     |     | close S. of (a) above       |
|            | former 2 bis buoy                                                     |     |                             |

**Chart** [*Last correction*].— **3674** (**plan, Le Légué**) [ *New Edition* 13/12/01 ]

French Notice 52/07/01 (HH.351/570/03).

### 675 FRANCE, West Coast — Rade de Brest — Pointe Sainte-Barbe Southwestwards — Depths

|        |                        |     |                           |
|--------|------------------------|-----|---------------------------|
| Insert | depth 4m               | (a) | 48° 23'·27N., 4° 24'·53W. |
| Delete | depth 4 <sub>5</sub> m |     | close W. of (a) above     |

**Chart** [*Last correction*].— **3429** [ 4787/01 ]

French Notice 52/09/01 (HH.353/410/04).

## II

### 676 FRANCE, West Coast — Île d'Yeu — Approaches to Port-Joinville — Anchorage area

- Insert  limit of anchorage area, pecked line, joining: (a) 46° 43'·666N., 2° 20'·030W. (E. border)  
46° 43'·730N., 2° 20'·340W.  
46° 43'·670N., 2° 20'·360W.  
46° 43'·640N., 2° 20'·200W.  
46° 43'·590N., 2° 20'·220W.  
46° 43'·550N., 2° 20'·050W.  
(b) 46° 43'·577N., 2° 20'·030W. (E. border)  
within (a)–(b) above
- legend, Visitors 

**Chart** [*Last correction*].— **3640 (plan, Port-Joinville)** [ 4880/01 ]

French Notice 1/04/02 (HH.353/510/04).

### 677 SPAIN, North Coast — Gijon — Peninsula de Santa Catalina Northeastwards — Wreck

- Insert  43° 33'·34N., 5° 39'·37W.

**Chart** [*Last correction*].— **1154** [ 259/02 ] — **1153** [ 440/02 ] — **1105** [ 440/02 ] — **1108** [ 438/02 ]

Spanish Notice 49/909/01 (HH.359/500/03).

### 678 NORTH ATLANTIC OCEAN — Islas Canarias — Santa Cruz de Tenerife — Dársena de Anaga — Coastline; Jetty; Lights

- Insert  coastline, single firm line, joining: (a) 28° 28'·090N., 16° 14'·660W. (shore)  
(b) 28° 28'·080N., 16° 14'·610W.  
(c) 28° 28'·099N., 16° 14'·603W.  
(d) 28° 28'·094N., 16° 14'·581W.  
(e) 28° 28'·153N., 16° 14'·561W.  
(f) 28° 28'·150N., 16° 14'·548W.  
(g) 28° 28'·090N., 16° 14'·567W.  
(h) 28° 28'·085N., 16° 14'·547W.  
(i) 28° 28'·072N., 16° 14'·552W.  
(j) 28° 28'·065N., 16° 14'·503W. (shore)  
jetty, single firm line, joining: (k) 28° 28'·151N., 16° 14'·556W.  
(l) 28° 28'·181N., 16° 14'·545W. and  
(m) 28° 28'·183N., 16° 14'·553W.  
(n) (l) above  
(o) 28° 28'·180N., 16° 14'·536W. (m) above  
(o) above  
Delete   2Fl.Y.5s8m1M depth contour and dredged limit, pecked line  
 former coastline joining: within (a)–(j) above  
(a) above  
(j) above

*Note:* Former Notice 3447(T)/00 is cancelled.

**Chart** [*Last correction*].— **1857** [ 3936/01 ]

Light List Vol. D, 2822.45, 2822.46

Spanish Notice 49/912/02 (HH.419/440/02).

### 679 MEDITERRANEAN SEA — Spain, South-East Coast — Cabo de Palos Northwards — Marine farm

- Insert  symbol, marine farm 37° 48'·3N., 0° 40'·5W.

**Chart** [*Last correction*].— **1700** [ 444/02 ]

Spanish Notice 51/958/01 (HH.361/490/04).

### 680 MEDITERRANEAN SEA — Spain — Islas Baleares — Ibiza — Islote Botafoch Westwards — Anchor berths; Integral and Marine Reserves; Buoyage

- Insert  symbol, anchor berth, W T1, centred on: (a) 38° 54'·364N., 1° 26'·865E.  
Substitute the accompanying note, INTEGRAL AND MARINE RESERVES, for existing note, centred on: (b) 39° 00'·60N., 0° 58'·00E.  
Delete  W. cardinal pillar light-buoy, Q(9)14s (c) 38° 54'·154N., 1° 26'·868E.  
 symbol, anchor berth, W T1 (d) close SE. of (a) above  
(e) close N. of (c) above  
special conical light-buoy, Q.Y (f) 38° 47'·47N., 1° 28'·40E.

**Chart** [*Last correction*].— **2834 (plan, Ibiza)** (a,c,e) (**plan, Channels between Ibiza and Formentera**) (a,d,f) & **2834** (b,f) [ 364/02 ]

Spanish Charts 4791 & 497A (HH.362/400/03).

## II

### 681 MEDITERRANEAN SEA — France, South Coast — Approaches to Marseille — Île Riou Southwestwards and Cap de l'Aigle Westwards — Wrecks

Insert                      ○ Wk, least depth 71m                      43° 07'·40N., 5° 16'·20E.  
                                  ○ Wk, least depth 100m                      43° 05'·60N., 5° 17'·40E.  
                                  ○ Wk, least depth 63m                      43° 09'·29N., 5° 33'·13E.

**Chart** [*Last correction*].— **2164** [ 4884/01 ]  
 French Notice 49/20/01      (HH.354/620/02).

### 682 MEDITERRANEAN SEA — Italy — Sicilia, North Coast — Golfo di Castellammare — Marine farms

Insert                      symbol, marine farm                      38° 03'·0N., 12° 53'·5E.  
                                  (a) 38° 05'·0N., 13° 01'·7E.

**Chart** [*Last correction*].— **1976** (a) [ 4887/01 ] — **2122** [ 263/02 ]  
 Italian Notices 20.8/01 & 23/01      (HH.371/510/03).

### 683 MEDITERRANEAN SEA — Italy — Sicilia, North Coast — Baia de Milazzo Eastwards — Divieto — Marine farm

Insert                      symbol, marine farm                      38° 15'·4N., 15° 25'·8E.

**Chart** [*Last correction*].— **1018** [ 4261/01 ]  
 Italian Notice 22/01      (HH.371/560/02).

### 684 MEDITERRANEAN SEA — Greece — Korinthiakós Kólpos — Órmos Aiyíou — Works

Insert                      legend, *Works in progress* (2001), centred on:                      38° 15'·47N., 22° 04'·64E.

**Chart** [*Last correction*].— **2404** (plan, Órmos Aiyíou) [ 453/02 ]  
 Greek Notice 11/300/01      (HH.381/440/04).

### 685 BLACK SEA — Russia — Approaches to Sochi — Anchorage areas

Insert                      limit of anchorage area, pecked line, joining:                      (a) 43° 34'·55N., 39° 41'·20E. (existing limit)  
                                  (b) 43° 34'·674N., 39° 42'·320E. (W. border)  
                                  (c) 43° 34'·682N., 39° 42'·410E. (existing limit)  
 Delete                      former limit of anchorage area, pecked line, joining:                      (d) (a) above  
                                  (e) 43° 35'·00N., 39° 40'·60E.  
                                  (f) 43° 35'·00N., 39° 42'·20E.  
                                  (g) 43° 34'·81N., 39° 42'·32E. (W. border)  
                                  (h) (c) above

**Chart** [*Last correction*].— **3312** (plan B, Sochi) (b,c,g,h) & **3312** (a,c-f,h) [ 457/02 ]  
 Russian Notice 50/7836/01      (HH.305/460/03).

### 648 AFRICA, East Coast — Mozambique — Baía da Condúcia to Baía de Mocambo — Depths; Coastline; Rocks; Lights

Insert                      the accompanying block, showing amendments to depths, coastline, rocks and lights, centred on:                      15° 05'·00S., 40° 40'·00E.

**Chart** [*Last correction*].— **2933** [ 1582/01 ]  
 UK Hydrographic Office      (HH.455/440/04).

### 686 AFRICA, East Coast — Somalia — Raas Casey Northwestwards — Depth

Insert                      depth 435m and extend 1000m contour NW. to enclose                      12° 28'·6N., 50° 55'·1E.

**Chart** [*Last correction*].— **100** [ 466/02 ]  
 Russian Chart 42082      (HH.483/400/03).

### 687\* ARABIA — Qatar — Shah Allum Shoal Southwestwards — Depth

Insert                      depth 47m enclosed by approximate 50m contour with seabed character, R                      26° 17'·10N., 52° 20'·80E.

**Chart** [*Last correction*].— **2523** [ 2725/01 ] — **2886** [ 4483/01 ] — **2837** [ 4483/01 ]  
 UK Hydrographic Office      (HH.489/420/04).

## II

### 688 ARABIA — Qatar — North Field (Bravo) Gasfield Northeastwards — Well

Insert  Well 26° 31'·49N., 52° 06'·66E.

**Chart** [*Last correction*].— 2523 [ 687/02 ] — 2886 [ 687/02 ] — 2837 [ 687/02 ] — 2847 [ 468/02 ]

M.E.N.A.S. Notice 20/01 (HH.489/420/04).

### 689\* ARABIA — Saudi Arabia — Approaches to Ra's Tannūrah — Rennie Shoals Northeastwards — Depths

Insert depth 40m and extend 50m approximate contour NE. to enclose with (b) below, (charts 2883, 2837 & 2847, depth 40m and extend 50m approximate contour NE. to enclose with position (b) below), (chart 2858, depth 40m enclosed by 50m approximate contour) (a) 27° 19'·58N., 50° 53'·45E.  
(b) 27° 20'·75N., 50° 55'·10E.  
depth 40m

**Chart** [*Last correction*].— 3788 [ 4483/01 ] — 2883 (a) [ 4483/01 ] — 2837 (a) [ 688/02 ] — 2847 (a) [ 688/02 ] — 2858 (a) [ 468/02 ]

UK Hydrographic Office (HH.492/440/03).

### 690 PAKISTAN — Port Muhammad Bin Qasim and Approaches — Phitti Creek — Muchak Island Northwestwards — Buoyage

Move P1 light-buoy from: 24° 43'·86N., 67° 09'·56E.  
to: 24° 43'·82N., 67° 09'·47E.  
Delete B11 light-buoy 24° 43'·74N., 67° 09'·40E.

**Chart** [*Last correction*].— 59 (INT 7316) [ *New Edition* 18/10/01 ]

Pakistani Notice 51/156/01 (HH.500/440/03).

### 691 INDIAN OCEAN — Maldives — Addoo Atoll — Gan, North Coast — Recommended anchorage

Delete  0° 41'·12S., 73° 08'·95E.

**Chart** [*Last correction*].— 2067 [ *New Chart* 26/2/93 ]

UK Hydrographic Office (HH.504/400/04).

### 692 PENINSULAR MALAYSIA, East Coast — Pelabuhan Kemaman — Kuala Kemaman — Buoy

Substitute N. cardinal pillar light-buoy, Q, for N. cardinal pillar buoy 4° 14'·00N., 103° 27'·28E.

**Chart** [*Last correction*].— 1374 (plan B, Pelabuhan Kemaman) [ 95/02 ]

Marine Department, Peninsular Malaysia Notice 42/01 (HH.517/730/03).

### 649\* SOUTH CHINA SEA — Gulf of Thailand — Benchamas Gasfield and Tantawan Gasfield — Tanker approach lanes; Anchorage areas; Pilot boarding places

Insert the accompanying block, showing amendments to tanker approach lanes and anchorage areas and new pilot boarding places, centred on: 10° 18'·00N., 101° 20'·50E.

*Note:* The above update will be included in a New Edition of Chart 3963 to be published 28 February 2002.

**Chart** [*Last correction*].— 3983 [ 149/02 ]

Admiralty List of Radio Signals Vol. 6 (4), 2001/02: (5/01)

Chevron Offshore (Thailand) Limited (HH.544/180/04).

### 693 CHINA, South Coast — Beihai — Guantou Jiǎo Southwestwards — Buoyage

Insert port-hand pillar light-buoy with topmark, *Fl.R.4s No A3* 21° 26'·638N., 109° 01'·096E.  
starboard-hand pillar light-buoy with topmark, *Fl.G.4s No A4* 21° 26'·622N., 109° 01'·182E.  
port-hand pillar light-buoy with topmark, *Fl.R.4s No 3* 21° 25'·123N., 109° 00'·800E.  
starboard-hand pillar light-buoy with topmark, *Fl.G.4s No 4* 21° 25'·108N., 109° 00'·885E.  
Delete former No 3 light-buoy 21° 25'·896N., 109° 00'·953E.  
former No 4 light-buoy 21° 25'·863N., 109° 01'·040E.

**Chart** [*Last correction*].— 41 (plan, Beihai) [ 2222/01 ]

Chinese Notices 25/396–397/02 (HH.548/404/02).

### 694 CHINA, South-East Coast — Hong Kong — Stanley Peninsula Southwestwards — Wreck; Buoy

Delete  Wk, least depth 13<sub>1</sub> m, (charts 1555, 1962, 1968, 3488 & 3489,  (a) 22° 09'·42N., 114° 11'·61E.  
 Wk, least depth 13<sub>1</sub> m (b) 22° 09'·50N., 114° 11'·45E.  
isolated danger pillar light-buoy, Fl(2)10s (c) close E. of (a)/(b) above

**Chart** [*Last correction*].— 1917 (INT 5511) (a,c) [ 5116/01 ] — 1918 (INT 5512) (a,c) [ 4702/01 ] — 341 (a,c) [ 472/02 ] — 937 (INT 5508) (b,c) [ 5116/01 ] — 3026 (a,c) [ 472/02 ] — 1555 (a,c) [ 471/02 ] — 1962 (a,c) [ 4385/01 ] — 1968 (a) [ 4899/01 ] — 3488 (INT 552) (a) [ 471/02 ] — 3489 (INT 553) (a) [ 471/02 ]

Marine Department, Hong Kong Notice 2/02 (HH.550/412/03).

## II

### 695 CHINA SEA — T'ai-wan, East Coast — Approaches to Hua-Lien — Mei-lun Pi Eastwards — Wreck; Restricted area

Insert  (a) 24° 00'·71N., 121° 38'·95E.  
 semi-circular limit of restricted area, fishing prohibited,  
 radius 926m (0·5M), pecked line, (charts 3234 & 3235,  
 circular limit of restricted area, fishing prohibited,  
 radius 926m (0·5M), pecked line, centred on: (a) above

**Chart** [Last correction].— **2618 (plan, Approaches to Hua-Lien)** [ 588/02 ] — **3234** [ 588/02 ] — **3235** [ 588/02 ]  
 Taiwanese Notice 76/01 (HH.549/426/02).

### 696 CHINA, East Coast — Dong Hai — Kuishan Dao — Light; Radar beacon

Insert ★ *Fl.4s76m15M*, (chart 2412, ★ *Fl.15M*) (a) 26° 29'·31N., 120° 07'·99E.  
 radar beacon, *Racon (Z)*, at light (a) above

**Chart** [Last correction].— **1754** [ 280/02 ] — **2412** [ 4809/01 ]  
 Light List Vol. F, 2001/02, 3641.95  
 Admiralty List of Radio Signals Vol. 2, 2002: 81575 (6/02)  
 Chinese Notice 24/376/01 (HH.548/460/03).

### 697 CHINA, East Coast — Yellow Sea — Shandong Bandao Southwestwards — Dingzihe Kou Eastwards — Anchorage area

Insert limit of anchorage area, pecked line, joining: (a) 36° 35'·0N., 121° 15'·0E.  
 36° 30'·16N., 121° 15'·0E.  
 36° 30'·16N., 121° 17'·0E.  
 (b) 36° 35'·0N., 121° 17'·0E.  
 within (a)–(b) above  
 legend, ⚓ No 2

**Chart** [Last correction].— **1254** [ 474/02 ]  
 Chinese Notice 24/378/01 (HH.548/500/03).

### 698 CHINA — Bo Hai — Quinhuangdao — New Coal Terminal Northwestwards — Buoyage

Insert starboard-hand pillar light-buoy with topmark, *Fl.G.4s H-1* 39° 56'·11N., 119° 40'·14E.  
 port-hand pillar light-buoy with topmark, *Fl.R.4s H-2* 39° 56'·05N., 119° 40'·09E.  
 starboard-hand pillar light-buoy with topmark, *Fl.G.4s H-3* 39° 55'·90N., 119° 40'·08E.  
 port-hand pillar light-buoy with topmark, *Fl.R.4s H-4* 39° 55'·71N., 119° 39'·77E.

**Chart** [Last correction].— **3378 (plan, Quinhuangdao)** [ 4604/01 ]  
 Chinese Notice 25/407/01 (HH.548/521/03).

### 650 JAPAN — Tōkyō Wan — Kisarazu Kō — Futtsu — Depths; Dredged area; Jetties; Dolphins; Landmark

Insert the accompanying block, showing amendments to depths,  
 dredged area, jetties, dolphins and chimney, centred on: 35° 20'·61N., 139° 49'·58E.

**Chart** [Last correction].— **3117** [ 4709/01 ]  
 Japanese Notice 49/1831/01 (HH.563/437/02).

### 699 JAPAN — Seto Naikai — Approaches to Mitajiri Kō — Lights

Substitute ★ *Fl.R.3s14m12M*, for ♂ R Lt 34° 00'·89N., 131° 36'·70E.  
 Delete ★ *Iso.6s16m11M* 34° 01'·28N., 131° 36'·58E.

**Chart** [Last correction].— **3153** [ New Edition 6/12/01 ]  
 Light List Vol. F, 2001/02, 5395, 5396  
 Japanese Notice 46/1740/01 (HH.568/415/06).

### 700 JAPAN — Seto Naikai — Murotsu Hanto — Murotsu — Light

Insert ★ *Fl.R.3s8m3M* 33° 49'·97N., 132° 07'·30E.

**Chart** [Last correction].— **3602** [ New Edition 6/12/01 ]  
 Light List Vol. F, 2001/02, 5626.15  
 Japanese Notice 51/1923/01 (HH.568/415/06).

## II

### 701 JAPAN — Seto Naikai — Inno Shima Northwestwards — Hosō Shima, South Coast — Light

Insert ★ *Fl(2)G.6s6M* 34° 21′.59N., 133° 08′.27E.

**Chart** [*Last correction*].— **3604** [ 4964/01 ]

Light List Vol. F, 2001/02, 5723.3

Japanese Notice 1/12/02 (*HH.568/460/02*).

### 702 JAPAN — Shikoku, South Coast — Tosashimizu, East Coast — Lights

Insert ★ *Fl.R.3s16m6M* 32° 46′.52N., 132° 56′.09E.  
Delete ★ *Fl.R.3s12m9M* 32° 46′.82N., 132° 56′.43E.

**Chart** [*Last correction*].— **652** [ *New Edition 31/1/02* ]

Light List Vol. F, 2001/02, 5607, 5607.4

Japanese Notice 50/1875/01 (*HH.565/400/04*).

### 703 JAPAN — Seto Naikai — Naruto Kaikyō — Shio Saki Westwards and Northwards — Depths

|        |                                                                               |                                 |
|--------|-------------------------------------------------------------------------------|---------------------------------|
| Insert | depth 2 <sub>8</sub> m enclosed by 5m contour with seabed character, <i>R</i> | 34° 12′.06N., 134° 43′.09E.     |
|        | depth 13 <sub>7</sub> m                                                       | 34° 11′.68N., 134° 41′.91E.     |
|        | depth 17 <sub>5</sub> m                                                       | (a) 34° 11′.36N., 134° 41′.45E. |
|        | depth 16 <sub>8</sub> m and extend 20m contour E. to enclose                  | 34° 11′.39N., 134° 42′.11E.     |
|        | depth 18 <sub>9</sub> m and extend 20m contour S. to enclose                  | 34° 10′.73N., 134° 42′.11E.     |
| Delete | depth 20m                                                                     | close E. of (a) above           |

*Note:* Former Notice 3245(T)/01 is cancelled.

**Chart** [*Last correction*].— **640 (plan, Naruto Kaikyō)** [ 4707/01 ]

Japanese Notice 50/1870/01 (*HH.568/485/08*).

### 704 JAPAN — Honshū, South Coast — Nakayama Suidō — No Shima Southwestwards — Depths

Insert depth 9<sub>7</sub> m and extend 10m contour N. to enclose 34° 38′.02N., 136° 59′.71E.  
depth 10<sub>8</sub> m 34° 38′.71N., 136° 59′.88E.

**Chart** [*Last correction*].— **3650** [ 284/02 ] — **2957** [ 283/02 ]

Japanese Notice 50/1868/01 (*HH.563/415/03*).

### 705 JAPAN — Honshū, South Coast — Mikawa Wan — Chita Wan — Kinuura — No 11 Area — Central Wharf (West) Southwards — Depths

Substitute depth 8<sub>5</sub> m for depth 9<sub>7</sub> m 34° 52′.45N., 136° 57′.43E.

**Chart** [*Last correction*].— **3649 (plan, Kinuura)** [ 284/02 ]

Japanese Notice 51/1913/01 (*HH.563/416/02*).

### 706 JAPAN — Honshū, South Coast — Atsumi Wan — Toyohashi — Jinno West Wharf Southwestwards — Buoy; Depths

Insert special pillar light–buoy, *Y.Lt* 34° 44′.01N., 137° 18′.26E.  
depth 3<sub>7</sub> m (a) 34° 44′.07N., 137° 18′.55E.  
Delete depth 4<sub>7</sub> m close E. of (a) above

**Chart** [*Last correction*].— **3649 (plan, Gamagōri and Toyohashi)** [ 705/02 ]

Japanese Notice 51/1912/01 (*HH.563/417/03*).

### 707 JAPAN — Honshū, East Coast — Hachinohe Southeastwards — Light

Insert ★ *Fl(2)G.6s8m3M* 40° 29′.83N., 141° 37′.82E.

**Chart** [*Last correction*].— **3375** [ 2383/00 ]

Light List Vol. F, 2001/02, 6619.5

Japanese Notice 1/4/02 (*HH.563/466/03*).

### 708 JAPAN — Hokkaidō, South–West Coast — Okushiri Kaikyō — Kouta Misaki — Light

Amend light to, *Oc(3)10s30m13M* 42° 13′.3N., 139° 49′.1E.

**Chart** [*Last correction*].— **1800** [ 2235/01 ]

Light List Vol. F, 2001/02, 7019

Japanese Lights List (*HH.562/400/08*).

## II

### 709 JAPAN — Hokkaidō, South Coast — Hakodate Kō — No 2 Area — Mooring buoy

Delete  No 1 Lt 41° 46′.44N., 140° 43′.16E.

**Chart** [*Last correction*].— **1871 (plan, Hakodate Kō)** [ 477/02 ]  
Japanese Notice 1/1/02 (HH.562/412/02).

### 710 KOREA, South Coast — Kwangyang Hang — Yōsu Haeman — Fish havens

Insert legend, *Fish havens (see Note)*, orientated N./S., between: 34° 50′.43N., 127° 48′.43E.  
34° 49′.30N., 127° 48′.77E.

**Chart** [*Last correction*].— **3390** (INT 5362) [ 4911/01 ]  
Korean Chart 242 (HH.557/444/05).

### 711 KOREA, South Coast — Approaches to Jinhae — Geoje Do Northeastwards — Isu Do Northwestwards — Lighted beacon tower

Insert E. cardinal lighted beacon tower, *Q(3)10s16m8M* 34° 58′.655N., 128° 42′.790E.

**Chart** [*Last correction*].— **1065** [ 480/02 ]  
Light List Vol. F, 2001/02, 4351.9  
Korean Notice 2/12/02 (HH.557/450/04).

### 712 AUSTRALIA — Miscellaneous correction; Satellite derived positions; Rock Lobster and Giant Crab Fishery

Insert magenta chart limits and chart number, *Aus 264*, joining: (a) 16° 56′.09S., 145° 45′.45E.  
(b) 16° 56′.09S., 145° 48′.15E.  
(c) 17° 00′.29S., 145° 48′.15E.  
(d) 17° 00′.29S., 145° 45′.45E.

Substitute the accompanying note, SATELLITE DERIVED POSITIONS, for existing note, centred on: (e) 20° 19′.30S., 118° 36′.01E.  
(f) 19° 45′.5S., 148° 09′.3E.  
(g) 38° 14′.5S., 145° 39′.5E.  
(h) 43° 15′.0S., 146° 30′.0E.  
(i) 8° 18′.0S., 147° 14′.8E.  
(j) 1° 19′.0S., 153° 30′.0E.  
(k) 38° 05′.0S., 145° 33′.0E.  
(l) 34° 48′.0S., 148° 42′.0E.  
(m) 27° 14′.0S., 151° 46′.0E.

Amend the accompanying note, ROCK LOBSTER AND GIANT CRAB FISHERY, for existing note, centred on: (n) 35° 53′.0S., 139° 55′.0E.  
legend to, *Rock Lobster and Giant Crab Fishery (see Note)*, centred on: (o) 37° 03′.5S., 139° 26′.5E.  
(p) 37° 40′.0S., 139° 54′.5E.

Delete legend, C, centred on: (q) 36° 21′.4S., 139° 51′.0E.  
(within Zone of Confidence diagram)  
magenta pecked line, joining: (r) 36° 19′.4S., 139° 48′.8E.  
(W. border of Zone of Confidence diagram)  
(s) 36° 23′.0S., 139° 55′.9E.  
(S. border of Zone of Confidence diagram)

**Chart** [*Last correction*].— **Aus 830** (a–d) [ 488/02 ] — **Aus 54** (e) [ 4721/01 ] — **Aus 255** (f) [ *New Edition* 2/2/01 ] — **Aus 350** (g) [ 307/02 ] — **Aus 354** (h) [ 3356/99 ] — **Aus 379** (i) [ 2245/01 ] — **Aus 461** (j) [ 2705/00 ] — **Aus 422** (k) [ 3428/00 ] — **Aus 423** (l) [ *New Edition* 27/10/00 ] — **Aus 424** (m) [ *New Edition* 27/10/00 ] — **Aus 347** (n–s) [ *New Chart* 31/8/01 ]  
Australian Notice 26/720/01 (HH.571/009/01).

## II

### 713 AUSTRALIA — New South Wales — Port Jackson Northwards and Southwards — Collaroy Eastwards and Ben Buckler Southeastwards — Submarine cables

Insert submarine cable joining:

- (a) 33° 54'·02S., 151° 16'·28E.(shore)
- (b) 33° 54'·93S., 151° 17'·43E.
- (c) 33° 56'·73S., 151° 20'·92E.
- (d) 33° 57'·35S., 151° 21'·83E.
- (e) 34° 04'·99S., 151° 30'·52E.
- (f) 34° 05'·90S., 151° 31'·69E.  
(S. border)  
and
- (g) 33° 43'·43S., 151° 18'·00E.(shore)
- (h) 33° 43'·27S., 151° 18'·88E.
- (i) 33° 43'·46S., 151° 19'·24E.
- (j) 33° 43'·51S., 151° 19'·61E.
- (k) 33° 42'·62S., 151° 20'·49E.
- (l) 33° 42'·54S., 151° 20'·86E.
- (m) 33° 43'·61S., 151° 25'·39E.
- (n) 33° 44'·31S., 151° 26'·46E.
- (o) 33° 44'·85S., 151° 29'·04E.
- (p) 33° 45'·62S., 151° 34'·02E.
- (q) 33° 46'·05S., 151° 39'·72E.  
(E. border)
- (r) 33° 54'·11S., 151° 16'·20E.(shore)
- (s) 33° 55'·04S., 151° 17'·45E.
- (t) 33° 56'·84S., 151° 20'·94E.
- (u) 33° 57'·46S., 151° 21'·85E.
- (v) 34° 05'·10S., 151° 30'·54E.
- (w) 34° 08'·90S., 151° 35'·50E.
- (x) 34° 13'·79S., 151° 43'·03E.
- (y) 34° 23'·26S., 151° 54'·20E.
- (z) 34° 24'·41S., 151° 55'·87E.
- (aa) 34° 29'·03S., 152° 08'·91E.
- (bb) 34° 29'·67S., 152° 11'·47E.
- (cc) 34° 30'·16S., 152° 16'·40E.
- (dd) 34° 29'·94S., 152° 19'·99E.
- (ee) 34° 28'·99S., 152° 23'·20E.
- (ff) 34° 27'·38S., 152° 25'·83E.
- (gg) 34° 14'·73S., 152° 34'·97E.
- (hh) 34° 06'·79S., 152° 38'·31E.
- (ii) 33° 56'·15S., 152° 52'·30E.
- (jj) 33° 55'·88S., 152° 53'·62E.
- (kk) 33° 49'·57S., 153° 01'·74E.  
and
- (ll) 33° 43'·54S., 151° 18'·02E.(shore)
- (mm) 33° 43'·38S., 151° 18'·90E.
- (nn) 33° 43'·62S., 151° 19'·63E.
- (oo) 33° 42'·73S., 151° 20'·51E.
- (pp) 33° 42'·65S., 151° 20'·88E.
- (qq) 33° 43'·72S., 151° 25'·41E.
- (rr) 33° 44'·42S., 151° 26'·48E.
- (ss) 33° 45'·73S., 151° 34'·04E.
- (tt) 33° 46'·31S., 151° 41'·64E.
- (uu) 33° 47'·06S., 151° 49'·91E.
- (vv) 33° 48'·21S., 151° 55'·29E.
- (ww) 33° 49'·54S., 151° 58'·22E.
- (xx) 33° 49'·61S., 152° 01'·60E.
- (yy) 33° 50'·07S., 152° 04'·20E.
- (zz) 33° 49'·09S., 152° 13'·16E.
- (ab) 33° 47'·85S., 152° 35'·76E.
- (ac) 33° 48'·14S., 152° 38'·45E.
- (ad) 33° 50'·73S., 152° 45'·64E.
- (ae) 33° 50'·90S., 152° 53'·72E.
- (ag) 33° 41'·31S., 153° 15'·82E.
- (ah) 33° 37'·41S., 153° 20'·02E.
- (ai) 33° 31'·41S., 153° 22'·39E.
- (aj) 33° 19'·41S., 153° 30'·50E.  
(E. border)

**Chart** [Last correction].— **Aus 197** (a–q) [ New Edition 17/8/01 ] — **Aus 361** (r–aj) [ 3970/01 ]  
 Australian Notice 26/721/01 (HH.571/009/01).

## II

### 714 AUSTRALIA — New South Wales — Norah Head Southeastwards — Depth

Insert depth 47fm (a) 33° 23'·65S., 151° 46'·04E.  
depth 47fm enclosed by 50fm contour,  
(chart Aus 424, depth 47fm), (chart 4602, depth 86m) (b) 33° 23'·5S., 151° 46'·0E.

**Chart** [Last correction].— **Aus 361** (a) [ 713/02 ] — **Aus 423** (b) [ 712/02 ] — **Aus 424** (b) [ 712/02 ] — **4602** (INT 602) (b) [ New Edition 3/1/02 ]

Australian Notice 26/722/01 (HH.571/009/01).

### 715 AUSTRALIA — New South Wales — Tacking Point Eastwards — Depths

Substitute depth 99fm for depth 100fm (a) 31° 27'·0S., 153° 13'·0E.  
depth 175m for depth 160m enclosed by ○ and extend  
200m contour E. to enclose (b) 31° 24'·5S., 153° 13'·0E.

**Chart** [Last correction].— **Aus 363** (a) [ 4919/01 ] — **4060** (INT 60) (b) [ 5147/01 ] — **4602** (INT 602) (b) [ 714/02 ]

Australian Notice 26/723/01 (HH.571/009/01).

### 716 AUSTRALIA — Queensland — Mackay — Light; Leading line

Delete ★ F.R.12m (a) 21° 06'·5S., 149° 13'·9E.  
leading line, pecked and firm line, and associated  
legend, 189° 10' extending in direction  
009° 10' from (a) above

**Chart** [Last correction].— **Aus 250** (plan, Mackay Harbour) [ 299/02 ]

Light List Vol. K, 2002/03, 3036.1

Australian Notice 26/725/01 (HH.571/009/01).

### 717 AUSTRALIA — Queensland — Cumberland Channel — St Bees Island Southwestwards — Depths

Substitute depth 5<sub>1</sub> fm for depth 6<sub>4</sub> fm 20° 57'·27S., 149° 28'·40E.

**Chart** [Last correction].— **Aus 370** [ 486/02 ]

Australian Notice 26/726/01 (HH.571/009/01).

### 718 AUSTRALIA — Western Australia — Bunbury — Coastline; Harbour limits; Landmark

Insert coastline, single firm line, joining: (a) 33° 18'·672S., 115° 38'·561E.  
(shore)  
(b) 33° 18'·650S., 115° 38'·550E.  
(c) 33° 18'·642S., 115° 38'·533E.  
(d) 33° 18'·642S., 115° 38'·528E.  
(e) 33° 18'·651S., 115° 38'·536E.  
(f) 33° 18'·656S., 115° 38'·542E.  
(g) 33° 18'·681S., 115° 38'·551E.  
(shore)  
harbour limit, pecked line, joining: (h) 33° 15'·43S., 115° 40'·84E.(shore)  
(i) 33° 15'·43S., 115° 36'·89E.  
(j) 33° 17'·33S., 115° 35'·38E.  
and  
(k) 33° 18'·255S., 115° 36'·683E.  
(W. border)  
(l) 33° 19'·128S., 115° 37'·922E.  
(shore)  
and  
(m) 33° 18'·440S., 115° 38'·770E.  
(shore)  
(n) 33° 19'·188S., 115° 39'·129E.  
(shore)  
and  
(o) 33° 18'·585S., 115° 38'·453E.(shore)  
(p) (c) above  
and  
(q) 33° 18'·165S., 115° 40'·214E.  
(shore)  
(r) 33° 18'·222S., 115° 40'·177E.(shore)  
(s) along (k)–(l) & (m)–(n) above  
(t) along (h)–(j) above

legend, Bunbury Port Limit

## II

### 718/02 (continued)

|        |                                                                                                                                        |                                                                                                                                                                                                                |
|--------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Delete | former harbour limit, pecked line, joining:                                                                                            | (u) 33° 17'·67S., 115° 40'·57E.(shore)<br>(v) 33° 17'·18S., 115° 38'·78E.<br>(w) 33° 18'·06S., 115° 38'·78E.(shore)<br>and<br>(x) 33° 18'·25S., 115° 40'·64E.(shore)<br>(y) 33° 18'·25S., 115° 41'·40E.(shore) |
|        | symbol, building, and legend Power Station,<br>(chart Aus 115, symbol, building), centred on:<br>former coastline, firm line, joining: | (z) 33° 18'·95S., 115° 39'·80E.<br>(aa) (a) above<br>(bb) (g) above                                                                                                                                            |

**Chart** [Last correction].— **Aus 115 (plan, Port of Bunbury)** (a–g,k–s,u–w,z–bb) & **Aus 115 (h–j,l,t–z)** [ 3499/01 ]  
Australian Notice 26/727/01 (HH.571/009/01).

### 719 AUSTRALIA — Victoria — Port Phillip — The Rip to Point King Northeastwards — Depths; Wrecks

|            |                                                                                                                                                |                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Insert     | depth 29 m enclosed by 5m contour                                                                                                              | (a) 38° 18'·08S., 144° 36'·68E.<br>(b) 38° 17'·99S., 144° 36'·74E. |
|            | depth 0 <sub>1</sub> m and extend 2m contour NE. to enclose,<br>(chart Aus 143, depth 0 <sub>1</sub> m and extend 2m contour E.<br>to enclose) | (c) 38° 17'·37S., 144° 37'·11E.<br>(d) 38° 17'·03S., 144° 37'·89E. |
|            | depth 2 <sub>4</sub> m                                                                                                                         | (e) 38° 17'·95S., 144° 39'·03E.                                    |
|            | depth 3 <sub>5</sub> m enclosed by 5m contour                                                                                                  | (f) 38° 17'·02S., 144° 41'·58E.                                    |
|            | depth 4 <sub>9</sub> m enclosed by 5m contour                                                                                                  |                                                                    |
|            | depth 0 <sub>7</sub> m and extend 2m contour S. to enclose,<br>(chart Aus 143, depth 0 <sub>7</sub> m)                                         | (g) 38° 19'·01S., 144° 45'·50E.                                    |
| Substitute | ○ Wk, least depth 13 <sub>5</sub> m for ○ Wk least depth 14m                                                                                   | (h) 38° 17'·73S., 144° 40'·37E.                                    |
|            | ○ Wk, least depth 13 <sub>5</sub> m for ○ Wk least depth 13 <sub>4</sub> m                                                                     | (i) 38° 17'·47S., 144° 40'·90E.                                    |
| Delete     | depth 3m                                                                                                                                       | (j) close S. of (d) above                                          |
|            | depth 1 <sub>2</sub> m                                                                                                                         | (k) close N. of (c) above<br>(l) close W. of (g) above             |
|            | depth 5 <sub>8</sub> m                                                                                                                         | (m) close SW. of (f) above                                         |
|            | depth 12 <sub>2</sub> m                                                                                                                        | (n) close NW. of (b) above                                         |

**Note:** The above update will be included in a New Chart of Chart Aus 144 to be adopted shortly. This will replace plan, The Rip, on Chart Aus 143.

**Chart** [Last correction].— **Aus 158 (a,c–l)** [ 308/02 ] — **Aus 143 (a,c–i,k,m)** [ 308/02 ] — **Aus 788 (b,n)** [ 307/02 ]  
Australian Notice 26/731/01 (HH.571/009/01).

### 720 AUSTRALIA — Victoria — Geelong Harbour — Wilson Spit Channel — Depths

|        |                                   |                                   |
|--------|-----------------------------------|-----------------------------------|
| Insert | depth 48 m enclosed by 5m contour | (a) 38° 07'·792S., 144° 30'·263E. |
| Delete | depth 5 <sub>1</sub> m            | close NW. of (a) above            |

**Chart** [Last correction].— **Aus 157** [ 3986/01 ]  
Australian Notice 26/732/01 (HH.571/009/01).

### 721 AUSTRALIA — Victoria — Port Melbourne — River Yarra — Appleton Dock Southeastwards — Light-beacons; Legend

|            |                                                                       |                               |
|------------|-----------------------------------------------------------------------|-------------------------------|
| Insert     | W. cardinal light-beacon, VQ(9)10s                                    | 37° 49'·156S., 144° 55'·896E. |
| Substitute | starboard-hand light-beacon, Fl(2)G.5s,<br>for light-beacon, VQ(9)10s | 37° 49'·14S., 144° 55'·91E.   |
| Delete     | legend, Victoria Swinging Basin, centred on:                          | 37° 49'·15S., 144° 55'·82E.   |

**Chart** [Last correction].— **Aus 154** [ 4725/01 ]  
Light List Vol. K, 2002/03, 2409.2, 2409.4, 2409.45  
Australian Notice 26/733/01 (HH.571/009/01).

### 722 SOUTH PACIFIC OCEAN — Nouvelle-Calédonie, North-West Coast — Passe de Poum — Leading lines

|        |                                                                 |                                                                                                             |
|--------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Insert | leading line, pecked for 3M then firm for 13M                   | (a) extending in direction 272°<br>from 20° 15'·7S., 164° 02'·0E.<br>(· 414)<br>at seaward end of (a) above |
| Delete | legend, 092°<br>former leading line and associated legend, 090° | extending in direction 270°<br>from 20° 14'·8S., 164° 00'·3E.<br>(· 234)                                    |

**Chart** [Last correction].— **935** [ 4914/00 ]  
French Chart 7320 (HH.585/510/02).

## II

### 723 NORTH AMERICA, West Coast — Gulf of Alaska — Alaska Peninsula Southwards — Data buoys

Insert special  $\rightleftharpoons$  ODAS *FL.Y.4s* (a) 46° 39'·0N., 170° 48'·0W.  
(b) 50° 27'·0N., 165° 02'·0W.  
(c) 52° 34'·4N., 157° 09'·8W.

**Chart** [*Last correction*].— **4805** (a,b) [*New Edition 16/10/92*] — **4810** (INT 810) (b,c) [*4931/01*] — **4050** (INT 50) (b,c) [*5015/01*] — **4053** (INT 53) [*2841/01*] U.S. Notice 5/530/02 (*HH.612/003/03*).

### 724 NORTH AMERICA, West Coast — Columbia River — Sand Island Southwards — Wreck

Insert  $\oplus$  *Masts* 46° 15'·20N., 123° 58'·15W.

**Chart** [*Last correction*].— **2839** (panel A) [*504/02*] U.S. Notice 4/18521/02 (*HH.612/455/04*).

### 725 NORTH AMERICA, West Coast — California — San Diego Bay and Entrance Channel — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS (San Diego Harbor), for existing table, centred on: 32° 43'·6N., 117° 08'·7W.

**Chart** [*Last correction*].— **2885** (plan, San Diego Bay) [*509/02*] U.S. Notice 4/18773/02 (*HH.612/012/2002*).

### 726 SOUTH AMERICA, West Coast — Colombia — Bahía de Buenaventura — Punta Soldado — Radar beacon

Delete radar beacon, Racon(B), (charts 2318, 2257 & 2258, radar beacon, Racon(B)(3&10cm)) at light 3° 48'·47N., 77° 10'·81W.

**Chart** [*Last correction*].— **2319** [*2079/01*] — **2318** [*119/02*] — **2257** [*119/02*] — **2258** [*119/02*] Light List Vol. J, 2001/02, 6255.3 Admiralty List of Radio Signals Vol. 2, 2001: 91670 (6/02) Colombian Chart 153 (*HH.641/411/03*).

### 727 SOUTH AMERICA, West Coast — Peru — Puerto Callao — Rompeolas Norte Northeastwards — Light

Amend light to, *Fl(3)Y.10s3M* 12° 02'·2S., 77° 08'·7W.

**Chart** [*Last correction*].— **1853** (plan, Puerto Callao) [*511/02*] Light List Vol. G, 2001/02, 2055.4 Peruvian Notice 9/100/01 (*HH.643/451/02*).

### 651 SOUTH AMERICA, East Coast — Argentina — Caleta Olivia and Comodoro Rivadavia — Tanker mooring buoy; Submarine pipelines; Disused submarine pipeline; Restricted area; Fouls; Recommended anchorage; Lights

Insert the accompanying block, showing amendments to tanker mooring buoy, submarine pipelines, disused submarine pipeline, restricted area, fouls and recommended anchorage, centred on: (a) 46° 25'·70S., 67° 28'·10W.  
(b) 45° 52'·60S., 67° 30'·50W.  
(c) 45° 53'·00S., 67° 30'·50W.

**Chart** [*Last correction*].— **3106** (plan, Cal. Olivia) (a) & **3106** (b,c) [*4022/01*] Light List Vol. G, 2001/02, 1124 Argentine Notice 20/196/01 & Argentine Chart H 359 (*HH.650/450/04*).

### 728 SOUTH AMERICA, East Coast — Brazil, South Coast — Baía de Guanabara — Ilha do Governador — Pto do Matoso Eastwards — Buoyage

Insert starboard-hand pillar light-buoy with topmark, *Fl.R.3s No 3* 22° 50'·03S., 43° 10'·66W.  
Move No 4 light-buoy from: 22° 49'·98S., 43° 10'·66W.  
to: 22° 50'·09S., 43° 10'·66W.

**Chart** [*Last correction*].— **566** [*3233/01*] Brazilian Notice 24/198/01 (*HH.656/424/02*).

### 729 CARIBBEAN SEA — Colombia, North Coast — Bahía de Cartagena — Buoy

Move '8' light-buoy from: 10° 18'·96N., 75° 34'·33W.  
to: 10° 18'·93N., 75° 34'·40W.

**Chart** [*Last correction*].— **2434** [*515/02*] Colombian Notice 65/01 (*HH.640/441/04*).

## II

### 730 CARIBBEAN SEA — Colombia, North Coast — Golfo de Urabá — Bahía Colombia — Approaches to Río León — Light

Insert ★ *Fl.8s13m14M*

7° 56'·05N., 76° 44'·93W.

**Chart** [*Last correction*].— **2262** [ 275/00 ] — **1278** [ 150/02 ]

Light List Vol. J, 2001/02, 6149.5

Colombian Notice 64/01 (HH.640/461/02).

### 731 WEST INDIES — Dominican Republic — Puerto de Santo Domingo — Depths; Bridge; Vertical clearances

|        |                                                |     |                              |
|--------|------------------------------------------------|-----|------------------------------|
| Insert | depth 3 <sub>3</sub> fm                        | (a) | 18° 28'·950N., 69° 52'·995W. |
|        | depth 3 <sub>2</sub> fm                        | (b) | 18° 28'·870N., 69° 52'·982W. |
|        | depth 10 <sub>2</sub> fm                       |     | 18° 27'·448N., 69° 52'·670W. |
|        | depth 11fm                                     |     | 18° 27'·445N., 69° 53'·350W. |
|        |                                                |     | 18° 27'·294N., 69° 52'·980W. |
|        | depth 24fm                                     |     | 18° 27'·225N., 69° 53'·025W. |
|        | bridge, double firm line, width 30ft, joining: |     | 18° 28'·852N., 69° 52'·945W. |
|        |                                                |     | 18° 28'·840N., 69° 53'·032W. |
|        | vertical clearance, (106ft)                    |     | 18° 28'·830N., 69° 53'·070W. |
|        |                                                |     | 18° 28'·960N., 69° 52'·920W. |
| Delete | depth 5 <sub>1</sub> fm                        |     | close N. of (a) above        |
|        | depth 4 <sub>2</sub> fm                        |     | close S. of (a) above        |
|        | depth 5 fm                                     |     | close NW. of (b) above       |

**Chart** [*Last correction*].— **467 (plan, Puerto de Santo Domingo)** [ 1247/98 ]

UK Hydrographic Office (HH.676/410/02).

### 732\* WEST INDIES — Virgin Islands — Saint Thomas, South Coast — Water Island Southwards and Southeastwards — Pilot boarding places

Insert ① 18° 18'·6N., 64° 56'·1W.  
18° 17'·5N., 64° 57'·4W.

**Chart** [*Last correction*].— **2183** [ 4940/01 ]

Admiralty List of Radio Signals Vol. 6 (5), 2001/02: (6/02)

Harbour Master, Virgin Islands (HH.671/420/03).

### 733 GULF OF MEXICO — Texas — Northern Approaches to Corpus Christi — San Jose Island Eastwards — Well; Buoy

Delete ○ Well least depth 11fm (a) 27° 58'·0N., 96° 39'·2W.  
starboard-hand pillar light-buoy, Q.R. close NNE. of (a) above

**Chart** [*Last correction*].— **3849** [ 614/02 ]

U.S. Notice 5/11300/02 (HH.616/180/2002).

### 734 GULF OF MEXICO — Texas — Matagorda Peninsula Southeastwards — Platform; Well

Substitute □ (lighted) for ○ Well least depth 16fm 28° 19'·4N., 95° 27'·3W.

**Chart** [*Last correction*].— **3849** [ 733/02 ]

U.S. Notice 5/11300/02 (HH.616/180/2002).

### 735 GULF OF MEXICO — Louisiana — Calcasieu Pass Southwards — Platform

Insert □ (lighted) 29° 23'·73N., 93° 18'·75W.

**Chart** [*Last correction*].— **3854** [ 616/02 ]

U.S. Notice 5/11344/02 (HH.616/180/2002).

### 736 GULF OF MEXICO — Louisiana — Ship Shoal Southwards and Mississippi Canyon Southwestwards — Fish haven; Well; Platform

Insert ⊙ (9) (a) 28° 31'·8N., 91° 07'·4W.  
Substitute ○ Well, least depth 35fm for □ (lighted) 28° 25'·6N., 90° 05'·4W.

**Chart** [*Last correction*].— **3850 (a)** [ 616/02 ] — **3851** [ 5159/01 ]

U.S. Notices 5/11340/02 & 5/11366/02 (HH.616/180/2002).

## II

### 737 GULF OF MEXICO — Louisiana — Chandeleur Islands Southwards and Southeastwards — Platforms

Insert ☐ (lighted) 29° 36'·83N., 88° 52'·28W.  
Delete ☐ (lighted) (a) 29° 37'·30N., 88° 27'·05W.  
(b) 29° 38'·30N., 88° 26'·60W.

**Chart** [*Last correction*].— **3858** [ 397/02 ] — **3851** (a,b) [ 736/02 ]  
U.S. Notices 5/11363/02 & 5/11366/02 (HH.616/180/2002).

### 738 GULF OF MEXICO — Mississippi — Pascagoula Channel — Range D — Light

Amend light to, *Iso.6s17m & Fl.4s4m4M* 30° 15'·76N., 88° 30'·80W.

**Chart** [*Last correction*].— **3841** [ 4747/01 ]  
Light List Vol. J, 2001/02, 3571.33, 3571.331  
U.S. Notice 4/11375/02 (HH.615/455/08).

### 739 GULF OF MEXICO — Alabama — Mobile Bay — Mobile Ship Channel — Upper Reach — Lights

Insert  $\star$  *Q.24ft4M* 30° 38'·477N., 88° 01'·783W.  
 $\star$  *Iso.6s44ft5M* 30° 38'·422N., 88° 01'·602W.  
Delete  $\star$  *Oc.4s17ft4M*, (main sheet,  $\star$  *Oc.4s17ft*) (a) 30° 38'·475N., 88° 01'·751W.

**Chart** [*Last correction*].— **3150 (plan, Mobile Ship Channel) & 3150** (a) [ 397/02 ]  
Light List Vol. J, 2001/02, 3524.5, 3524.7, 3524.8  
U.S. Notice 4/11376/02 (HH.615/455/08).

### 740 NORTH AMERICA, East Coast — Georgia — Brunswick and Approaches — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS, for existing table, centred on: 30° 59'·9N., 81° 31'·4W.

**Chart** [*Last correction*].— **2810** [ 4837/01 ]  
U.S. Notice 5/11506/02 (HH.614/012/2002).

### 741 NORTH AMERICA, East Coast — Chesapeake Bay — Taylors Island Southwestwards — Cove Point Westwards — Wreck

Insert  $\odot$  *Wk*, least depth 64ft 38° 23'·04N., 76° 20'·34W.

**Chart** [*Last correction*].— **2921 (panel 1)** [ 527/02 ]  
U.S. Notice 5/12264/02 (HH.614/515/03).

### 742 NORTH AMERICA, East Coast — Delaware — Approaches to Delaware Bay — Cape Henlopen Southwards — Dewey Beach Eastwards — Wreck

Insert  $\oplus$  (a) 38° 41'·97N., 75° 03'·93W.  
Delete  $\oplus$  close NW. of (a) above

**Chart** [*Last correction*].— **2564** [ 618/02 ] — **2563** [ 2776/01 ]  
U.S. Notice 5/12214/02 (HH.614/530/03).

### 743 NORTH AMERICA, East Coast — New York — East River — South Brother Island Channel and Approaches — Dredged depths

Amend dredged depth to, *27 feet (2001)*, centred on: 40° 47'·98N., 73° 53'·61W.  
dredged depth to, *25½ feet (2001)*, centred on: 40° 47'·53N., 73° 53'·64W.  
dredged depth to, *33 feet (2001)*, centred on: 40° 47'·21N., 73° 53'·64W.

**Chart** [*Last correction*].— **3451** [ 2559/01 ]  
U.S. Notice 5/12339/02 (HH.614/510/03).

### 744 NORTH AMERICA, East Coast — Massachusetts — Fall River Harbor — Mount Hope Bay — Borden Flats — Obstruction

Insert  $\odot$  *Obstn* 41° 42'·112N., 71° 10'·680W.

**Chart** [*Last correction*].— **2732 (panel 4)** [ 534/02 ]  
U.S. Notice 5/13227/02 (HH.614/555/06).

## II

### 745 NORTH AMERICA, East Coast — Connecticut — Long Island Sound — Approaches to Housatonic River — Stratford Point Eastwards — Depths

Insert depth 8ft enclosed by 12ft contour and extend 18ft contour  
 SE. to enclose  
 Delete depth 20ft

(a) 41° 09'·198N., 73° 05'·762W.  
 close SW. of (a) above

**Chart** [*Last correction*].— **2726** [ *New Chart 5/10/00* ]  
 U.S. Notice 3/12369/02 (HH.614/480/02).

### 746 NORTH AMERICA, East Coast — Massachusetts — Cape Cod Bay — Approaches to Sesuit Harbor — Wreck

Insert ++ 41° 45'·64N., 70° 09'·50W.

**Chart** [*Last correction*].— **3096** [ 3948/00 ]  
 U.S. Chart 13250 (HH.614/440/05).

### 747 NORTH AMERICA, East Coast — Massachusetts — Approaches to Boston Harbor — Broad Sound — Wreck; Depths

Insert ○ Wk, least depth 55ft  
 depth 40ft  
 Delete depth 44ft

(a) 42° 23'·32N., 70° 54'·59W.  
 42° 23'·65N., 70° 53'·36W.  
 close E. of (a) above

**Chart** [*Last correction*].— **1516** [ 627/02 ]  
 U.S. Notice 5/13270/02 (HH.614/440/05).

### 748 NORTH AMERICA, East Coast — Maine — Approaches to Bay of Fundy — Petit Manan Island — Light

Amend range of light to, 19M 44° 22'·0N., 67° 51'·8W.

**Chart** [*Last correction*].— **352** [ 4012/01 ] — **2492** [ 399/02 ] — **2670** [ 399/02 ]  
 Light List Vol. J, 2001/02, 0034  
 U.S. Notice 5/13324/02 (HH.614/405/02).

### 749 NORTH AMERICA, East Coast — Saint Lawrence River — Rivière Saguenay — Lights

Amend light to, F28m22M FG28m6M Fog Sig 30s 48° 07'·4N., 69° 43'·0W.  
 range of light to, 6M 48° 08'·3N., 69° 43'·6W.

**Chart** [*Last correction*].— **4782** [ *New Chart 24/1/02* ]  
 Light List Vol. H, 2001/02, 2112, 2118  
 Canadian Notice 12/1235/01 (HH.605/420/03).

### 750(T)/02 BALTIC SEA — Sweden — Unexploded ordnance

Unexploded ordnance, which are liable to cause a dangerous explosion if disturbed, are reported to exist on the seabed in the following positions. They could present a hazard for vessels anchoring, fishing or engaged in submarine or seabed operations.

| East Coast                 | Largest Scale Chart |
|----------------------------|---------------------|
| 58° 59'·8N., 18° 11'·7E.   | 3143 (plan A)       |
| 58° 57'·3N., 18° 27'·2E.   | 2362                |
| 58° 50'·78N., 17° 57'·65E. | 3191                |
| 58° 49'·8N., 18° 20'·0E.   | 2362                |
| 58° 49'·7N., 18° 14'·7E.   | 2362                |
| 58° 45'·48N., 18° 26'·44E. | 2362                |
| 58° 35'·0N., 18° 45'·4E.   | 2362                |
| 58° 30'·5N., 17° 34'·0E.   | 2362                |
| 58° 28'·0N., 17° 23'·2E.   | 2361, 2362          |
| 57° 51'·37N., 17° 15'·06E. | 2361                |
| 57° 49'·4N., 19° 09'·2E.   | 2361                |
| 57° 46'·1N., 17° 11'·9E.   | 2361                |

## II

### 750(T)/02 (continued)

#### South Coast

|                            |            |
|----------------------------|------------|
| 55° 52'·1N., 16° 32'·1E.   | 2251, 2360 |
| 55° 53'·2N., 16° 31'·1E.   | 2251, 2360 |
| 55° 52'·9N., 16° 31'·0E.   | 2251, 2360 |
| 55° 52'·0N., 16° 30'·7E.   | 2251, 2360 |
| 55° 52'·3N., 16° 28'·8E.   | 2251, 2360 |
| 56° 00'·56N., 16° 07'·63E. | 2251, 2360 |
| 56° 00'·72N., 15° 25'·49E. | 2360       |
| 56° 00'·2N., 15° 19'·4E.   | 2360       |
| 55° 58'·2N., 15° 10'·2E.   | 2360       |
| 55° 52'·4N., 15° 09'·6E.   | 2360       |
| 55° 52'·1N., 15° 04'·0E.   | 2360       |
| 56° 05'·6N., 15° 03'·2E.   | 2360       |
| 56° 01'·1N., 15° 02'·8E.   | 2360       |
| 56° 01'·3N., 14° 56'·2E.   | 2360       |

#### West Coast

|                            |      |
|----------------------------|------|
| 58° 14'·56N., 11° 16'·69E. | 853  |
| 58° 24'·4N., 10° 30'·1E.   | 1402 |
| 58° 31'·4N., 11° 06'·9E.   | 1402 |
| 58° 49'·2N., 11° 00'·3E.   | 879  |

**Charts affected — 879 — 853 — 3191 — 3143 — 2251 — 2360 — 2361 — 2362 — 1402**

Swedish Notice 1–2/9(T)/02 (HH.316/400/03).

### 751(P)/02 NETHERLANDS — Westerschelde — Ellewoutsdijk to Hansweert — Buoyage

- Mariners are advised that significant changes are being made to the buoyage in the Everingen, Gat van Ossensisse, Overloop van Hansweert and Middelgat channels during January and February 2002.

#### 2. Everingen:

- Buoys are being established in the following positions:
 

|                                              |                           |
|----------------------------------------------|---------------------------|
| starboard–hand light–buoy, Iso.G.8s E5       | 51° 22'·61N., 3° 48'·56E. |
| N. cardinal conical buoy, E–ZE               | 51° 22'·45N., 3° 48'·90E. |
| starboard–hand buoy, E7                      | 51° 22'·33N., 3° 50'·08E. |
| starboard–hand buoy, E9                      | 51° 22'·31N., 3° 50'·99E. |
| starboard–hand buoy with topmark, E11        | 51° 22'·33N., 3° 51'·92E. |
| starboard–hand light–buoy, Iso.G.4s E13      | 51° 22'·54N., 3° 52'·50E. |
| starboard–hand buoy, E15                     | 51° 22'·71N., 3° 53'·05E. |
| starboard–hand buoy, E17                     | 51° 22'·90N., 3° 53'·60E. |
| E. cardinal pillar light–buoy, Q(3)10s, MG–E | 51° 23'·10N., 3° 54'·16E. |
| port hand light–buoy, Iso.R.8s, E4           | 51° 22'·67N., 3° 50'·24E. |
| port–hand buoy, E6                           | 51° 22'·61N., 3° 51'·04E. |
| port–hand light–buoy, Iso.R.4s, E8           | 51° 22'·49N., 3° 51'·84E. |
| port–hand buoy, E10                          | 51° 22'·69N., 3° 52'·36E. |
| port–hand buoy, E12                          | 51° 22'·88N., 3° 52'·90E. |
| port–hand light–buoy, Iso.R.8s, E14          | 51° 23'·06N., 3° 53'·46E. |
| port–hand buoy with topmark, E16             | 51° 23'·33N., 3° 53'·93E. |
| b. port–hand buoy, E2E, is being moved from: | 51° 23'·37N., 3° 47'·41E. |
| to:                                          | 51° 23'·34N., 3° 47'·40E. |
- The following buoys are being removed:
 

|                                |                           |
|--------------------------------|---------------------------|
| starboard–hand buoy, E5        | 51° 22'·69N., 3° 48'·00E. |
| starboard–hand buoy, E5A       | 51° 22'·63N., 3° 48'·40E. |
| N. cardinal light–buoy, E–ZE   | 51° 22'·56N., 3° 49'·01E. |
| starboard–hand light–buoy, E7  | 51° 22'·33N., 3° 50'·08E. |
| starboard–hand buoy, E9        | 51° 22'·09N., 3° 50'·64E. |
| starboard–hand light–buoy, E11 | 51° 21'·86N., 3° 51'·26E. |
| starboard–hand buoy, E13       | 51° 21'·60N., 3° 51'·39E. |
| starboard–hand buoy, E15       | 51° 21'·42N., 3° 51'·54E. |
| S. cardinal light–buoy, E–GvB  | 51° 22'·47N., 3° 50'·27E. |
| starboard–hand buoy, GvB1      | 51° 22'·43N., 3° 51'·15E. |
| starboard–hand buoy, GvB3      | 51° 22'·40N., 3° 52'·23E. |
| starboard–hand buoy, GvB5      | 51° 22'·70N., 3° 52'·89E. |
| starboard–hand buoy, GvB7      | 51° 22'·99N., 3° 53'·61E. |
| E. cardinal buoy, MG–GvB       | 51° 23'·14N., 3° 54'·33E. |
| port–hand buoy, E4             | 51° 22'·84N., 3° 49'·28E. |
| port–hand buoy, E6             | 51° 22'·27N., 3° 50'·85E. |
| port–hand light–buoy, E8       | 51° 22'·00N., 3° 51'·44E. |
| port–hand light–buoy, E10      | 51° 21'·72N., 3° 51'·55E. |
| port–hand light–buoy, E12      | 51° 21'·50N., 3° 51'·73E. |
| port–hand light–buoy, E14      | 51° 21'·33N., 3° 52'·34E. |
| port–hand buoy, GvB2           | 51° 22'·67N., 3° 50'·24E. |
| port–hand buoy, GvB4           | 51° 22'·63N., 3° 51'·14E. |

## II

### 751(P)/02 (continued)

- |    |                                                                                          |                           |
|----|------------------------------------------------------------------------------------------|---------------------------|
|    | port-hand buoy, GvB6                                                                     | 51° 22'·58N., 3° 52'·01E. |
|    | port-hand buoy, GvB8                                                                     | 51° 22'·88N., 3° 52'·73E. |
|    | port-hand buoy, GvB10                                                                    | 51° 23'·15N., 3° 53'·50E. |
| 3. | <b>Gat van Ossenissee and Overloop van Hansweert.</b>                                    |                           |
| a. | Light-buoys are being established in the following positions:                            |                           |
|    | port-hand light-buoy, Iso.R.8s, 24                                                       | 51° 21'·14N., 3° 51'·94E. |
|    | port-hand buoy, 28                                                                       | 51° 21'·74N., 3° 53'·79E. |
|    | S. cardinal light-buoy, Q(6)+LFl.15s, GvO-MG                                             | 51° 21'·88N., 3° 54'·20E. |
| b. | Light-buoys are being amended as follows:                                                |                           |
|    | 26 light-buoy to, Iso.R.4s                                                               | 51° 21'·39N., 3° 53'·10E. |
|    | 40B light-buoy to, Q.R                                                                   | 51° 26'·39N., 3° 59'·20E. |
|    | 40C light-buoy to, Iso.R.4s                                                              | 51° 26'·45N., 4° 00'·07E. |
| c. | The following buoys are being removed:                                                   |                           |
|    | port-hand buoy, 24                                                                       | 51° 21'·10N., 3° 51'·44E. |
|    | E. cardinal light-buoy, GvO-E                                                            | 51° 21'·13N., 3° 51'·79E. |
|    | special buoy, 26                                                                         | 51° 21'·39N., 3° 52'·82E. |
|    | port-hand buoy, 26A                                                                      | 51° 21'·59N., 3° 53'·47E. |
|    | S. cardinal buoy, GvO-MG                                                                 | 51° 21'·82N., 3° 53'·97E. |
|    | port-hand light-buoy, 28                                                                 | 51° 21'·88N., 3° 54'·20E. |
| 4. | <b>Middelgat</b>                                                                         |                           |
| a. | Buoys are being established in the following positions:                                  |                           |
|    | starboard-hand buoy with topmark, MG1                                                    | 51° 22'·13N., 3° 54'·26E. |
|    | starboard-hand buoy, MG3                                                                 | 51° 22'·53N., 3° 54'·51E. |
|    | starboard-hand buoy with topmark, MG5                                                    | 51° 22'·94N., 3° 54'·81E. |
|    | starboard-hand buoy, MG7                                                                 | 51° 23'·60N., 3° 54'·89E. |
|    | starboard-hand light-buoy, Iso.G.8s MG9                                                  | 51° 24'·27N., 3° 54'·96E. |
|    | starboard-hand buoy, MG11                                                                | 51° 24'·83N., 3° 55'·33E. |
|    | starboard-hand light-buoy, Iso.G.8s MG13                                                 | 51° 25'·41N., 3° 55'·63E. |
|    | starboard-hand light-buoy Iso.G.4s MG17                                                  | 51° 26'·73N., 3° 56'·40E. |
|    | port-hand buoy with topmark, MG2                                                         | 51° 22'·17N., 3° 53'·95E. |
|    | port-hand buoy, MG4                                                                      | 51° 22'·59N., 3° 54'·12E. |
|    | port-hand buoy, MG6                                                                      | 51° 23'·84N., 3° 54'·28E. |
|    | port-hand buoy, MG8                                                                      | 51° 24'·35N., 3° 54'·55E. |
|    | port-hand light-buoy, Iso.R.4s MG12                                                      | 51° 26'·85N., 3° 56'·21E. |
|    | safe-water spherical light-buoy, Mo(A)8s Middelgat                                       | 51° 27'·00N., 3° 58'·30E. |
|    | port-hand buoy with topmark, MG16                                                        | 51° 26'·91N., 3° 59'·43E. |
| b. | Buoy is being amended as follows:                                                        |                           |
|    | topmark added to starboard-hand buoy, MG21                                               | 51° 26'·68N., 3° 58'·57E. |
| c. | Buoy is being moved as follows:                                                          |                           |
|    | starboard-hand buoy, MG15, from:                                                         | 51° 26'·11N., 3° 56'·10E. |
|    | to:                                                                                      | 51° 26'·11N., 3° 56'·08E. |
| d. | The following buoys are being removed:                                                   |                           |
|    | starboard-hand buoy, MG1                                                                 | 51° 22'·16N., 3° 54'·20E. |
|    | starboard-hand buoy, MG1A                                                                | 51° 22'·51N., 3° 54'·38E. |
|    | starboard-hand buoy, MG3                                                                 | 51° 22'·80N., 3° 54'·60E. |
|    | starboard-hand buoy, MG5                                                                 | 51° 23'·34N., 3° 54'·85E. |
|    | starboard-hand buoy, MG7                                                                 | 51° 23'·92N., 3° 54'·97E. |
|    | starboard-hand buoy, MG9                                                                 | 51° 24'·46N., 3° 55'·16E. |
|    | starboard-hand buoy, MG11                                                                | 51° 24'·98N., 3° 55'·39E. |
|    | starboard-hand buoy, MG13                                                                | 51° 25'·54N., 3° 55'·76E. |
|    | starboard-hand buoy, MG17                                                                | 51° 26'·72N., 3° 56'·38E. |
|    | port-hand buoy, MG2                                                                      | 51° 21'·82N., 3° 53'·75E. |
|    | port-hand buoy, MG4                                                                      | 51° 22'·17N., 3° 53'·94E. |
|    | port-hand buoy, MG6                                                                      | 51° 22'·59N., 3° 54'·05E. |
|    | port-hand buoy, MG8                                                                      | 51° 23'·69N., 3° 54'·28E. |
|    | port-hand buoy, MG12                                                                     | 51° 26'·85N., 3° 56'·21E. |
|    | port-hand buoy, MG16                                                                     | 51° 26'·88N., 3° 59'·43E. |
| 5. | These amendments will be included in a New Edition of Chart 120 to be published shortly. |                           |

#### Chart affected — 120

Netherlands Hydrographic Office (HH.340/430/06).

### 752(P)/02 FRANCE, West Coast — Entrance to La Loire — Secondary Channel; Buoyage

- Mariners are advised that a secondary channel has been established adjacent to the Chenal de Bonne-Anse. This channel is for use by vessels when large ships, primarily gas carriers, are navigating in the main channel upstream of the Saint-Nazaire bridge.
- The secondary channel is marked by buoys in the following positions:

|                                          |                             |
|------------------------------------------|-----------------------------|
| S.cardinal light-buoy, Q(6)+LFl.15s, ZD1 | 47° 13'·996N., 2° 15'·932W. |
| S.cardinal light-buoy, Q(6)+LFl.15s, ZD2 | 47° 14'·363N., 2° 15'·253W. |
| S.cardinal light-buoy, Q(6)+LFl.15s, ZD3 | 47° 14'·815N., 2° 14'·338W. |
| S.cardinal light-buoy, Q(6)+LFl.15s, ZD4 | 47° 15'·263N., 2° 13'·428W. |
| S.cardinal light-buoy, Q(6)+LFl.15s, ZD5 | 47° 15'·657N., 2° 12'·629W. |
| S.cardinal light-buoy, Q(6)+LFl.15s, ZD6 | 47° 16'·271N., 2° 11'·431W. |
| S.cardinal light-buoy, Q(6)+LFl.15s, ZD7 | 47° 16'·912N., 2° 10'·730W. |

## II

### 752(P)/02 (continued)

- special spherical buoy 47° 14'·609N., 2° 14'·924W.
- special spherical buoy 47° 14'·943N., 2° 14'·239W.
- special spherical buoy 47° 15'·290N., 2° 13'·543W.
- 3. The following buoy has been established:  
starboard-hand pillar light-buoy, Fl.G.2·5s in position 47° 16'·305N., 2° 11'·550W.
- 4. The following buoy has been removed:  
S. cardinal light-buoy, Q(6)+LFl.15s from position 47° 16'·295N., 2° 11'·540W.
- 5. The following light-buoys marking the main channel have been moved:  
port-hand pillar light-buoy, Fl.R.2·5s No 14 to position 47° 14'·529N., 2° 14'·714W.  
port-hand pillar light-buoy, Fl(2)R.6s No 16 to position 47° 14'·973N., 2° 13'·814W.  
port-hand pillar light-buoy, Fl(3)R.12s No 18 to position 47° 15'·423N., 2° 12'·901W.
- 6. These and other amendments will be included in Charts 2985 and 2989 when full details become available.
- 7. For the latest information, mariners are advised to consult the Nantes-Saint-Nazaire Port Authority.

### Charts affected — 2985 — 2989 — 2986

French Notice 51/22/01 (HH.353/500/03).

### 753(P)/02 SPAIN, North Coast — Puerto de Bilbao and Approaches — Restricted areas; Fairways; Safety area; Manoeuvring areas; Anchorage area; Works

A recently published Spanish chart of Puerto de Bilbao has revealed numerous changes within the port, including new areas, as detailed below.

1. Restricted areas exist as follows:
  - a. Adjacent to the Dique de Punta Lucero breakwater, between the following positions:  
43° 22'·745N., 3° 04'·967W. (N. corner of breakwater head)  
43° 22'·980N., 3° 05'·460W.  
43° 21'·820N., 3° 07'·370W.  
43° 21'·820N., 3° 09'·080W.  
43° 21'·220N., 3° 09'·080W. (Punta del Covarón)
  - b. Surrounding the Dique de Punta Galea (breakwater under construction) and continuing on the E. side of the port to the Contradique de Algorta, between the following positions:  
43° 22'·800N., 3° 01'·751W. (Pta. Alpennerri)  
43° 23'·230N., 3° 04'·490W.  
43° 22'·820N., 3° 04'·600W. (Dique de Punta Galea breakwater head)  
43° 22'·035N., 3° 02'·220W.  
43° 21'·415N., 3° 01'·600W.  
43° 21'·000N., 3° 01'·230W.  
43° 20'·560N., 3° 01'·319W. (Contradique de Algorta)
  - c. North of El Abra northern breakwater, between the following positions:  
43° 21'·717N., 3° 05'·281W. (shore at Puerto de Caballos)  
43° 22'·372N., 3° 04'·218W.  
43° 21'·595N., 3° 02'·635W. (N. corner of El Abra breakwater head)
2. A Fairway has been established between positions:  
43° 22'·728N., 3° 04'·945W. (S. corner of Dique de Punta Lucero breakwater head)  
43° 21'·595N., 3° 02'·635W. (N. corner of El Abra breakwater head)  
43° 20'·863N., 3° 01'·832W. (edge of quay)  
and between positions:  
43° 22'·820N., 3° 04'·600W. (Dique de Punta Galea breakwater head)  
43° 21'·930N., 3° 02'·338W. (port-hand pillar light-buoy)  
43° 20'·993N., 3° 01'·433W. (port-hand pillar light-buoy)  
43° 20'·583N., 3° 01'·582W. (Contradique de Algorta breakwater head light)  
Within the fairway the recommended direction of traffic flow, from seaward, is entry to starboard and exit to port.
3. A Safety Area (chemical and oil) has been established between the shore and positions:  
43° 22'·492N., 3° 05'·338W. (Dique de Punta Lucero breakwater)  
43° 22'·342N., 3° 05'·170W.  
43° 22'·238N., 3° 05'·340W.  
43° 21'·910N., 3° 04'·961W. (limit of restricted area)
4. Manoeuvring Areas have been established as follows:
  - a. S. of Dique de Punta Lucero breakwater between the following positions:  
43° 22'·492N., 3° 05'·338W. (Dique de Punta Lucero breakwater)  
43° 22'·342N., 3° 05'·170W.  
43° 22'·238N., 3° 05'·340W.  
43° 21'·910N., 3° 04'·961W. (limit of restricted area)  
43° 22'·372N., 3° 04'·218W. (limit of restricted area/Fairway limit)  
43° 22'·728N., 3° 04'·945W. (S. corner of Dique de Punta Lucero breakwater head)
  - b. Within El Abra between the following positions:  
43° 20'·863N., 3° 01'·832W. (edge of quay)  
43° 21'·595N., 3° 02'·635W. (N. corner of El Abra breakwater head)  
43° 21'·651N., 3° 03'·058W. (El Abra breakwater)  
43° 20'·870N., 3° 03'·376W. (limit of reclamation area)  
43° 20'·730N., 3° 03'·061W. (limit of reclamation area)  
43° 20'·812N., 3° 03'·000W. (limit of reclamation area)  
43° 20'·671N., 3° 02'·700W. (edge of quay)
5. A Reserved Anchorage has been established within El Abra to the W. of the Manoeuvring Area at 4b. above.

## II

### 753(P)/02 (continued)

- Due to works on the submerged jetty at Dársena de Axpe the red light marking the end of the jetty in 43° 18'·725N., 2° 58'·855W. has temporarily been replaced by a special pillar light–buoy with topmark, Fl(4)Y.12s.
- The above changes will be included in planned New Charts of Bilbao and Approaches.
- Former Notice 3061(P)/01 is cancelled.

#### Charts affected — 74 — 1170

Spanish Notice 47/860(T)/01, Spanish Chart 3941 and Spanish Instituto de Hidrografia (HH.359/450/03).

### 754(P)/02 MEDITERRANEAN SEA — Lebanon — Beyrouth — Port developments

- Extensive developments are in progress at Beyrouth and existing aids to navigation cannot be relied upon to navigate within the port.
- At the harbour entrance a new breakwater is under construction, joining positions:  
33° 54'·715N., 35° 32'·000E.  
33° 54'·680N., 35° 32'·075E.  
33° 54'·675N., 35° 32'·150E.
- Building works and reclamation north–east of quay number 14 are marked by temporary yellow buoys.
- A new harbour has been constructed, centred on position 33° 54'·200N., 35° 29'·805E. with breakwaters extending northeastwards to position 33° 54'·500N., 35° 30'·655E.
- To avoid possible future damage, the cables landing east of Beyrouth in position 33° 54'·10N., 35° 33'·80E. have been lifted to the south of approximate position 33° 55'·30N., 35° 33'·41E. and relaid to Antéliàs in position 33° 55'·08N., 35° 35'·00E. (shore).
- Chart 1563 will be updated when more details become available. Until then Chart 1563 in the vicinity of Beyrouth and its approaches should be used with particular caution.
- Former Notice 5045(P)/01 is cancelled.

#### Charts affected — 1563 — 2633 — 2634

Ministry of Telecommunications, Lebanese Republic & HMS *Edinburgh* (HH.401/410/02).

### 755(P)/02 SOUTH CHINA SEA — Vietnam, East Coast — Song Sai gon to Lan Tay Gasfield — Submarine pipeline; Platform

- Mariners are advised that a new gas submarine pipeline is to be laid from March 2002 joining the following positions (WGS84 datum)  
10° 22'·87N., 107° 14'·77E.(shore)  
10° 19'·70N., 107° 15'·83E.  
10° 15'·32N., 107° 19'·00E.  
10° 02'·39N., 107° 26'·76E.  
9° 56'·07N., 107° 34'·51E.  
9° 38'·61N., 107° 44'·10E.  
9° 31'·46N., 107° 45'·18E.  
8° 51'·29N., 108° 09'·02E.  
8° 42'·90N., 108° 11'·14E.  
8° 27'·07N., 108° 20'·22E.  
8° 19'·78N., 108° 27'·60E.  
7° 53'·74N., 108° 42'·95E.  
7° 34'·74N., 108° 52'·25E.(end)
- A platform is to be established within the Lan Tay Gasfield during April/May 2002 in position 7° 32'·70N., 108° 52'·15E.
- Charts will be amended in due course.

#### Charts affected — 1261 — 3986 — 2414 — 3482 — 3488

UK Hydrographic Office (HH.546/180/02).

### 756(T)/02 AUSTRALIA — Victoria — Cape Sir William Grant — Obstruction

- An obstruction, marked by a float, exists in position 38° 25'·07,S 141° 37'·52E.
- Mariners are advised to navigate with caution in the area.

#### Charts affected — Aus 140 — Aus 786

Australian Notice 26/748(T)/01 (HH.571/009/01).

### 757(T)/02 AUSTRALIA — Victoria — Bass Strait — Scientific instruments

- A waverider light–buoy, Fl(5)Y.20s, exists in the following positions:  
\* 39° 13'·35S., 142° 53'·66E.  
39° 48'·36S., 145° 48'·13E.  
\* Indicates revised or new entry.
- Mariners are advised to navigate with caution.
- Former Notice 4436(T)/01 is cancelled.

#### Charts affected — Aus 349 — Aus 445B

Australian Notice 26/750(T)/01 (HH.571/009/01).

## II

### 758(T)/02 AUSTRALIA — Victoria — Bass Strait — Traffic separation scheme

1. The Traffic Separation Scheme in the Bass Strait will be temporarily adjusted from 1 March 2002. (See the accompanying diagram)
2. The temporary change involves widening the separation zone to 6 miles and moving the eastbound lane 4·5 miles to the south. The westbound lane remains unchanged.
3. Revised geographical co-ordinates (Australian Geodetic Datum 1966) are as follows:
  - a. A separation zone 6 miles wide centred on:  
38° 43'·40S., 148° 21'·66E.  
38° 46'·33S., 148° 16'·37E.  
38° 48'·32S., 148° 10'·17E.
  - b. A traffic lane for westbound vessels between the separation zone and a line connecting the following:  
38° 38'·50S., 148° 17'·50E.  
38° 41'·10S., 148° 13'·20E.  
38° 42'·80S., 148° 07'·30E.
  - c. A traffic lane for eastbound vessels between the separation zone and a line connecting the following:  
38° 53'·92S., 148° 13'·03E.  
38° 51'·72S., 148° 20'·09E.  
38° 48'·40S., 148° 26'·17E.

#### Charts affected — Aus 357 — Aus 358 — Aus 422 — Aus 445A

Australian Notice 1/66(T)/02 (HH.571/009/02).

### 759(P)/02 SOUTH AMERICA, East Coast — Brazil, South Coast — Approaches to Porto de Sepetiba — Coal terminal; Depths; Buoyage

1. A coal loading terminal consisting of a T-shaped jetty has been established at Porto de Sepetiba. The terminal is situated approximately 500m E. of the existing iron ore terminal (22° 56'·16S., 43° 49'·90W.).
2. A manoeuvring basin 800m long and 500m wide has been established to the south of the coal terminal. Depths in this basin range from 10m to 11·8m permitting the turning of loaded ships of up to 12·8m draft at high tide.
3. Two buoyed access channels have been established. The Main Channel now passes to the south of Ilha do Martins (22° 57'·0S., 43° 51'·6W.) approximately along the line of the recommended track shown on Chart 431. The former main access channel to the west and north of Ilha do Martins is now renamed as the Secondary Channel.
4. Mariners are advised to contact the relevant authorities to obtain latest information about depths in the channels and the manoeuvring basin and navigational aids marking the channels.
5. Former Notice 460(T)/00 is cancelled.

#### Chart affected — 431

Brazilian Notice 22/187/01 (HH.656/431/03).

*To accompany Notice to Mariners 712/02*

*On Chart Aus 54*

SATELLITE DERIVED POSITIONS  
Positions obtained from the Global Positioning System (GPS) in the WGS 1984 Datum must be moved 0.08 minutes SOUTHWARD and 0.06 minutes WESTWARD to agree with this chart.

*On Chart Aus 255*

SATELLITE DERIVED POSITIONS  
Positions obtained from the Global Positioning System (GPS) in the WGS 1984 Datum can be plotted directly onto this chart.

*On Chart Aus 350*

SATELLITE DERIVED POSITIONS  
Positions obtained from the Global Positioning System (GPS) in the WGS 1984 Datum must be moved 0.09 minutes SOUTHWARD and 0.08 minutes WESTWARD to agree with this chart.

*On Chart Aus 354*

SATELLITE DERIVED POSITIONS  
Positions obtained from the Global Positioning System (GPS) in the WGS 1984 Datum cannot be plotted directly onto this chart. The difference between GPS positions and positions on this chart cannot be determined; mariners are warned that these differences MAY BE SIGNIFICANT TO NAVIGATION and are therefore advised to use alternative sources of positional information, particularly when closing the shore or navigating in the vicinity of dangers.

*On Chart Aus 379*

SATELLITE DERIVED POSITIONS  
Positions obtained from the Global Positioning System (GPS) in the WGS 1984 Datum must be moved 0.09 minutes SOUTHWARD and 0.07 minutes WESTWARD to agree with this chart.

*On Chart Aus 422*

SATELLITE DERIVED POSITIONS  
Positions obtained from the Global Positioning System (GPS) in the WGS 1984 Datum can be plotted directly onto this chart.

On Chart Aus 423

On Chart Aus 424

On Chart Aus 461

*On Chart 2885*

| CHANNEL DEPTHS (see Note)                                                                  |                            |                              |                             |                   |                    |                            |                         |
|--------------------------------------------------------------------------------------------|----------------------------|------------------------------|-----------------------------|-------------------|--------------------|----------------------------|-------------------------|
| SAN DIEGO HARBOR<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2001 |                            |                              |                             |                   |                    |                            |                         |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)                     |                            |                              |                             |                   | PROJECT DIMENSIONS |                            |                         |
| NAME OF CHANNEL                                                                            | LEFT<br>OUTSIDE<br>QUARTER | MIDDLE<br>HALF OF<br>CHANNEL | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF<br>SURVEY | WIDTH<br>(FEET)    | LENGTH<br>(NAUT.<br>MILES) | DEPTH<br>MLLW<br>(FEET) |
| SAN DIEGO HARBOR<br>ENTRANCE CHANNEL                                                       | 44.3                       | 47.2                         | 46.9                        | 5-01              | 800                | 2.1                        | 42                      |
| NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION      |                            |                              |                             |                   |                    |                            |                         |

To accompany Notice to Mariners 740/02

On Chart 2810

| CHANNEL DEPTHS (see Note)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                            |                              |                             |                   |                    |                            |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------|-----------------------------|-------------------|--------------------|----------------------------|-------------------------|
| BRUNSWICK HARBOR<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2001                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                            |                              |                             |                   |                    |                            |                         |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT<br>MEAN LOWER LOW WATER (MLLW)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                            |                              |                             |                   | PROJECT DIMENSIONS |                            |                         |
| NAME OF CHANNEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LEFT<br>OUTSIDE<br>QUARTER | MIDDLE<br>HALF OF<br>CHANNEL | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF<br>SURVEY | WIDTH<br>(FEET)    | LENGTH<br>(NAUT.<br>MILES) | DEPTH<br>MLLW<br>(FEET) |
| BAR CHANNEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                              |                             |                   |                    |                            |                         |
| (ST SIMON RANGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 31.0                       | 32.0                         | A27.0                       | 10-01             | 500                | 7.7                        | 32                      |
| PLANTATION CREEK RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 35.0                       | 41.0                         | 40.0                        | 10-01             | 400                | 1.8                        | 32                      |
| JEKYLL ISLAND RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 31.0                       | 33.0                         | 33.0                        | 10-01             | 400                | 1.9                        | 30                      |
| CEDAR HAMMOCK RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 28.0                       | 29.0                         | 27.0                        | 10-01             | 400                | 1.4                        | 30                      |
| BRUNSWICK PT CUT RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 28.0                       | 29.0                         | 27.0                        | 10-01             | 400                | 2.4                        | 30                      |
| EAST RIVER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                            |                              |                             |                   |                    |                            |                         |
| LOWER REACH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B31.0                      | 31.0                         | 30.0                        | 10-01             | 400                | 1.1                        | 30                      |
| UPPER REACH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 27.0                       | 28.0                         | 27.0                        | 10-01             | 350                | 1.0                        | 27                      |
| EAST RIVER TURNING BASIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 33.0                       | 33.0                         | 33.0                        | 10-01             | 750                | 0.2                        | 30                      |
| TURTLE RIVER LOWER RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 35.0                       | 31.0                         | 30.0                        | 10-01             | 300                | 1.7                        | 30                      |
| BLYTHE ISLAND RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 31.5                       | 26.5                         | 26.5                        | 10-01             | 300                | 1.5                        | 30                      |
| TURTLE RIVER UPPER RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 28.0                       | 28.0                         | 27.0                        | 10-01             | 300                | 2.7                        | 30                      |
| SOUTH BRUNSWICK RIVER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 30.0                       | 32.0                         | 31.0                        | 10-01             | 400                | 1.3                        | 30                      |
| A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.<br>B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 31 FEET, LOCATED 50 FEET INSIDE THE<br>CHANNEL LIMIT, AND 32 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.<br>NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50<br>FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)<br>NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION |                            |                              |                             |                   |                    |                            |                         |

To accompany Notice to Mariners 760/02

On Chart 649

#### POSITIONS

Positions read from smaller scale chart 2926 differ from those on chart 649 by varying amounts; positions should be transferred by bearing and distance from common charted objects and **not** by latitude and longitude.

On Chart 1810

#### POSITIONS

Positions on charts 2926, 2932, 2933, 2934 and 2935 differ from those on smaller scale chart 1810 by varying amounts; positions should be transferred by bearing and distance from common charted objects and **not** by latitude and longitude.

On Chart 2110

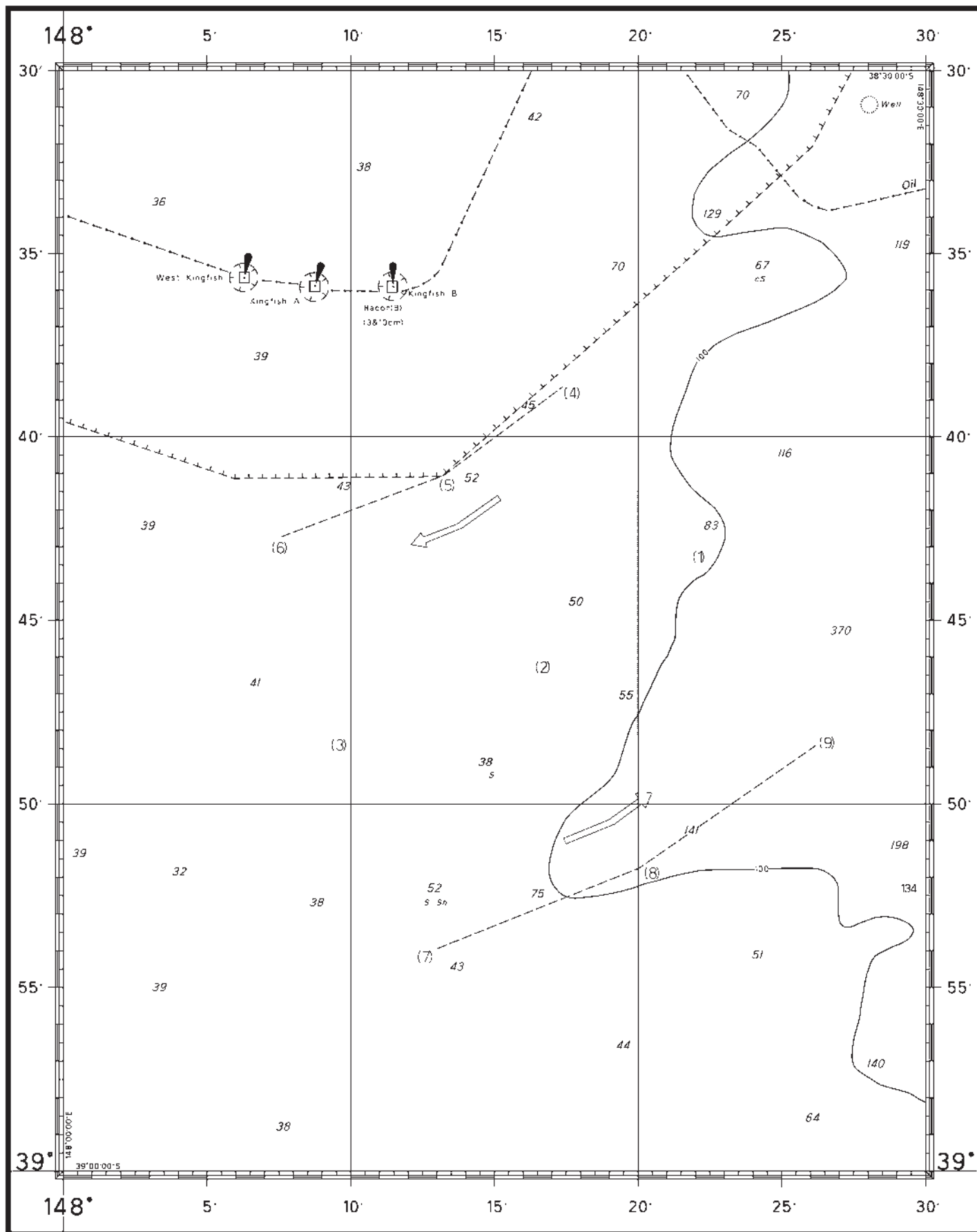
#### POSITIONS

Positions on charts 2926 and 2933 differ from those on smaller scale chart 2110 by varying amounts; positions should be transferred by bearing and distance from common charted objects and **not** by latitude and longitude.

On Chart 2938

#### POSITIONS

Positions read from adjoining chart 2926 differ from those on chart 2938 by varying amounts; positions should be transferred by bearing and distance from common charted objects and **not** by latitude and longitude.



*To accompany Notice to Mariners 680/02*



*On Chart 2834*

**INTEGRAL AND MARINE RESERVES**

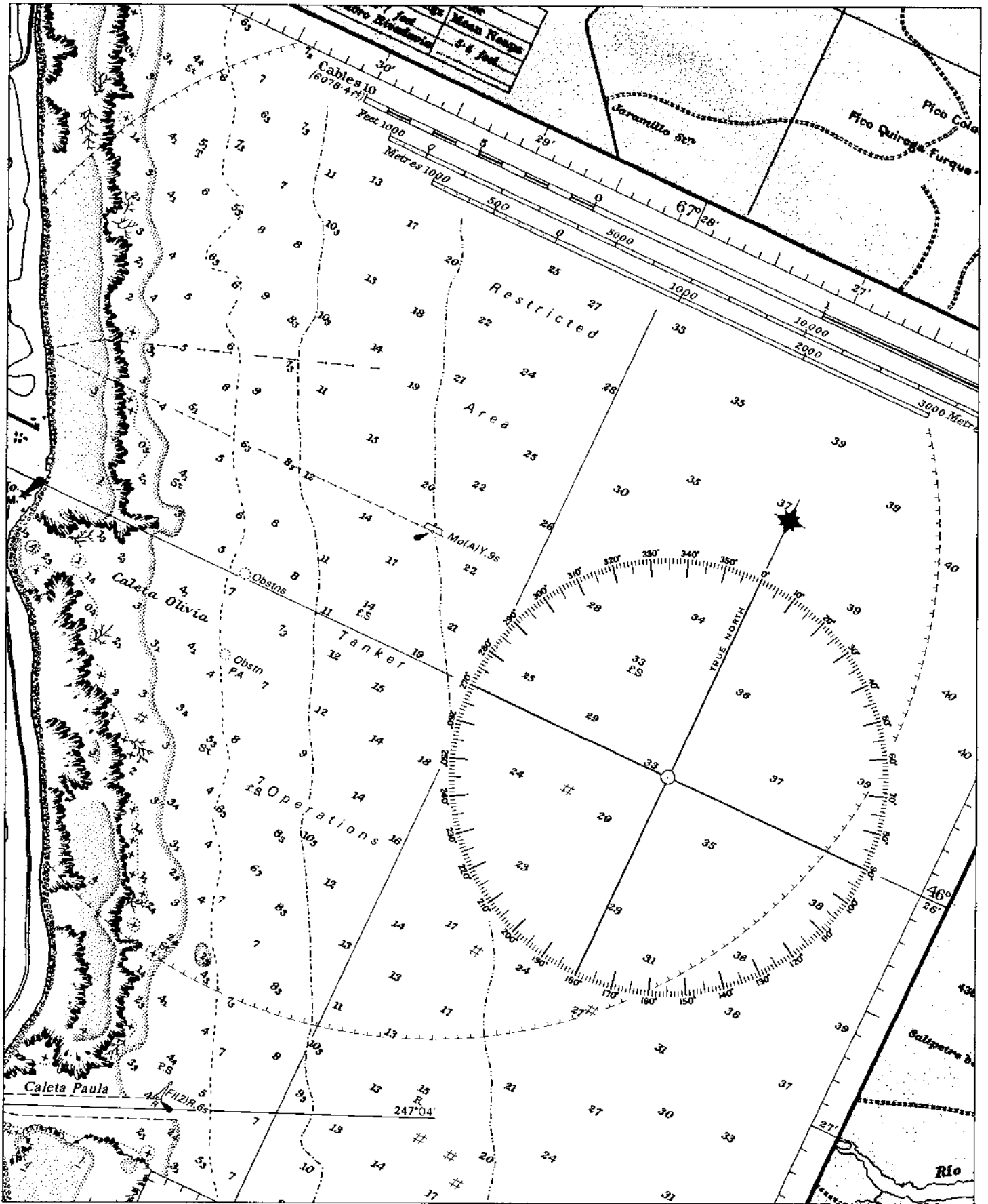
Entry into the charted Integral and Marine Reserves is affected by numerous restrictions and prohibitions. They may be marked by lit, yellow buoys. For further details see Admiralty Sailing Directions.

*To accompany Notice to Mariners 712/02 (continued)*

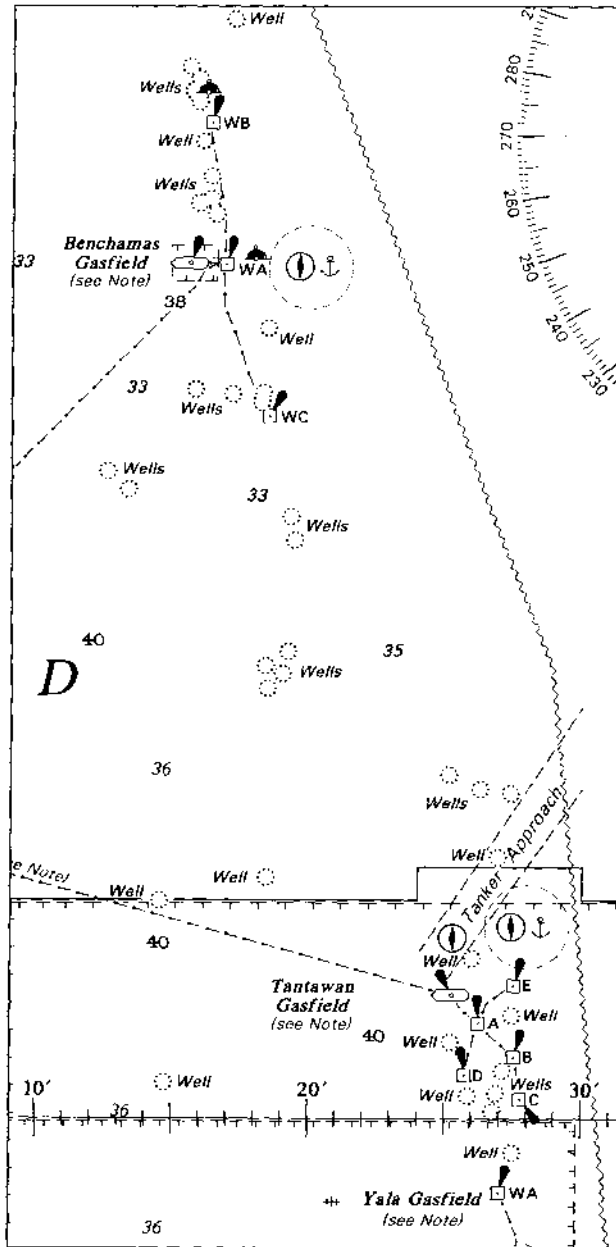
*On Chart Aus 347*

**ROCK LOBSTER AND  
GIANT CRAB FISHERY**

During the period 1 October to 31 May, extensive lobster and giant crab fishing takes place inshore of the 500m isobath off the coast of South Australia. Mariners are cautioned that surface floats associated with the activity may be encountered.

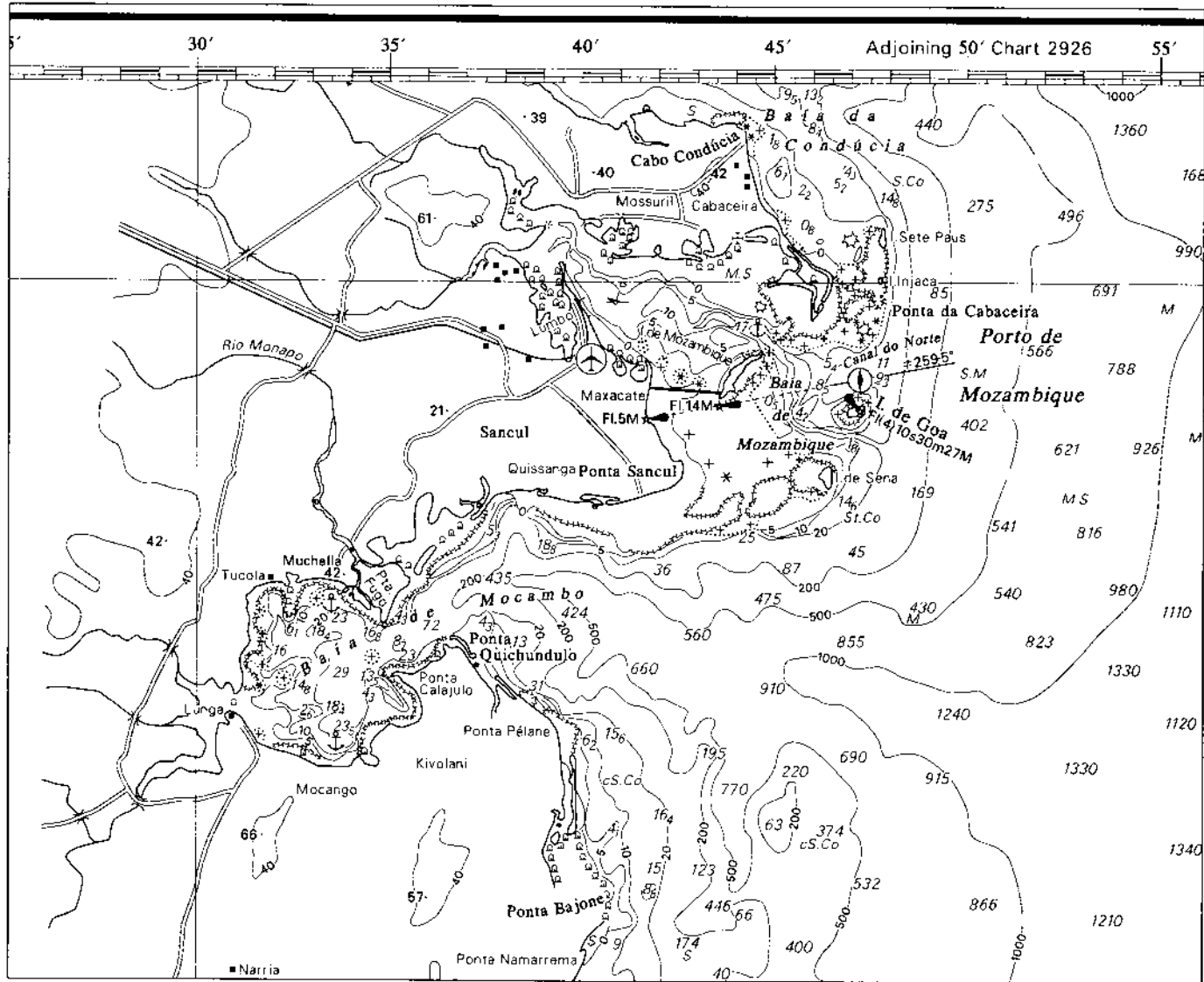


To accompany Admiralty Notice to Mariners No 649 of 2002



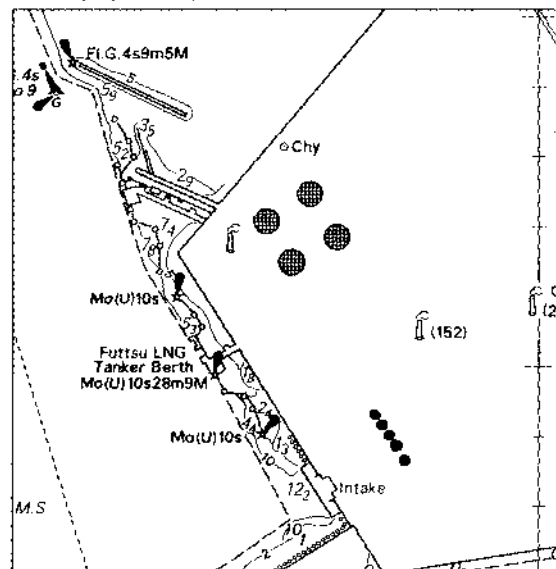
Block for Chart No 3983

To accompany Admiralty Notice to Mariners No 648 of 2002



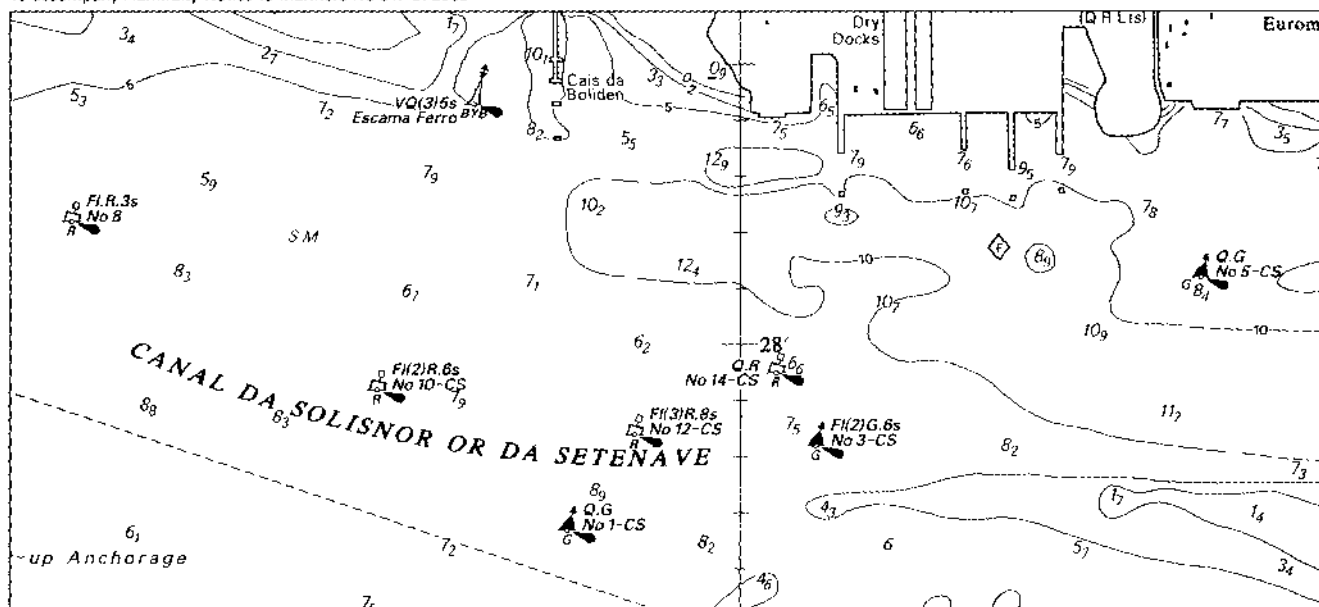
Block for Chart No 2933

To accompany Admiralty Notice to Mariners No 650 of 2002

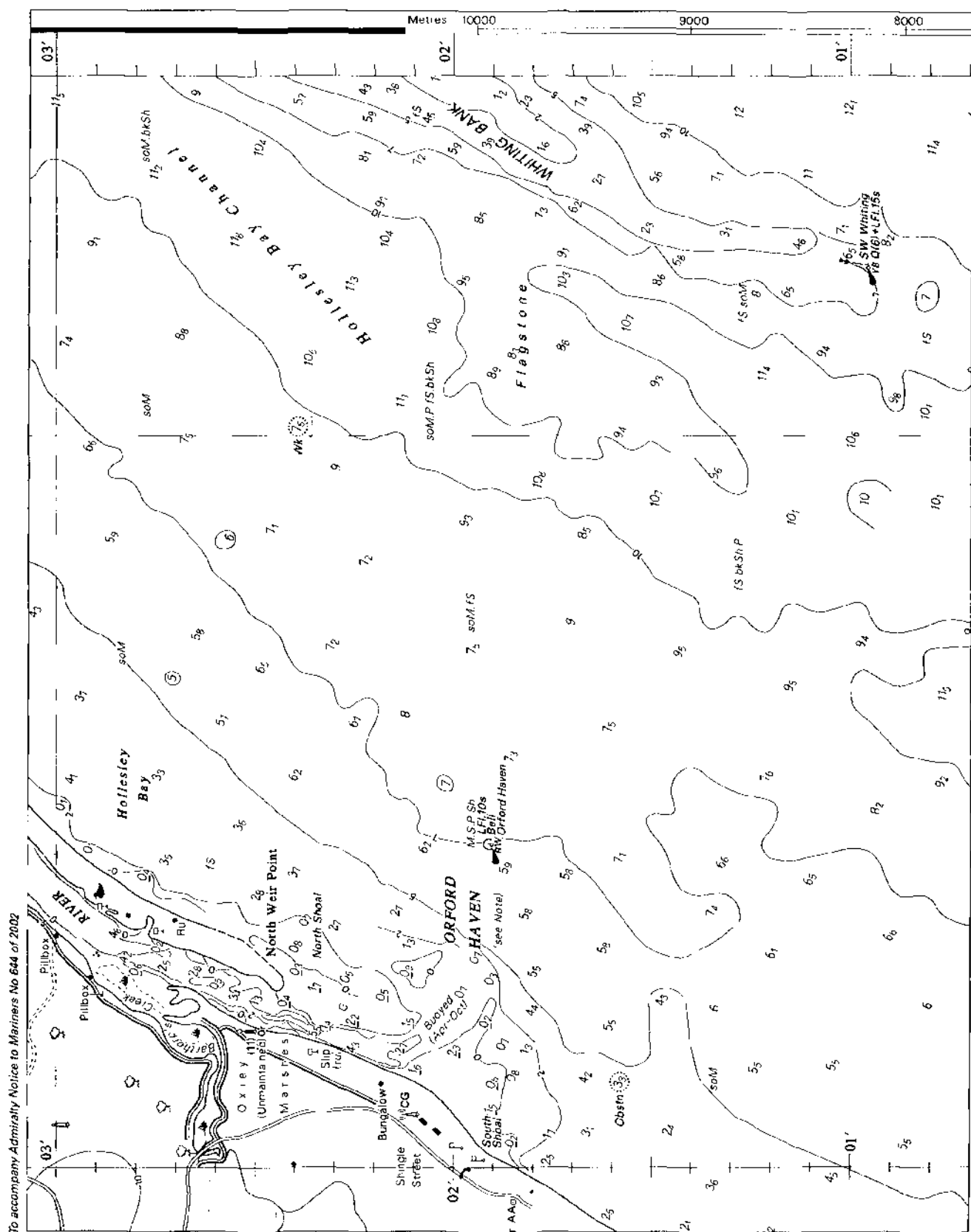


Block for Chart No 3117

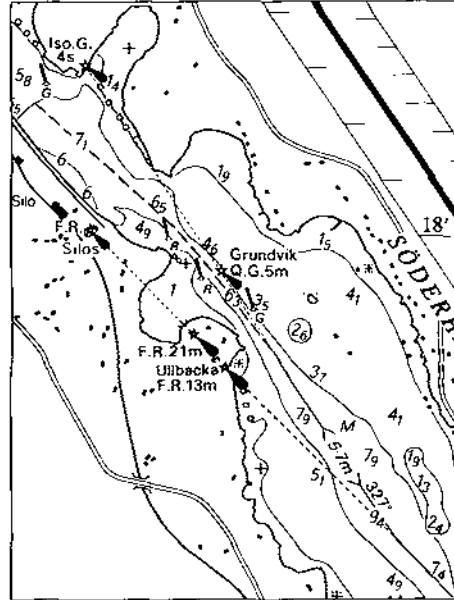
To accompany Admiralty Notice to Mariners No 647 of 2002



Block for Chart No 3270

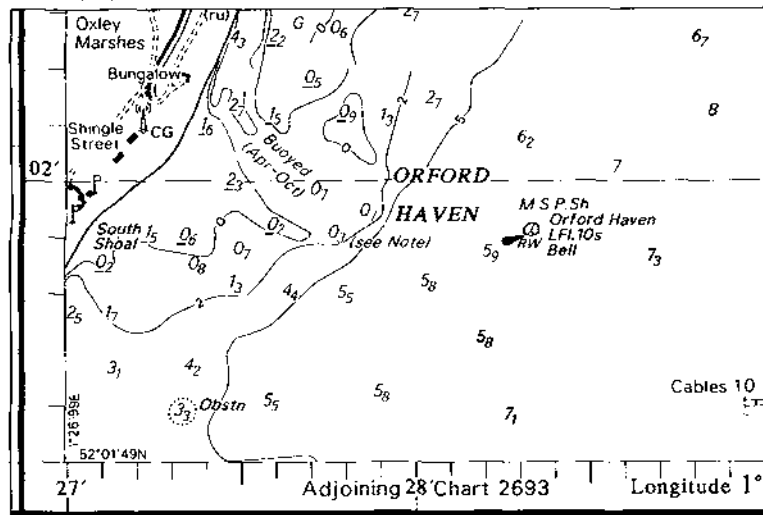


To accompany Admiralty Notice to Mariners No 645 of 2002



Block for Chart No 70

To accompany Admiralty Notice to Mariners No 644 of 2002



Block for Chart No 2695

Geological map of the Khatanga area, showing various geological features, elevations, and locations. Key features include Bk. Vestgrund, Bk. Seikhematala, M. Kolganpya, and Gorki. The map includes contour lines, elevation points, and labels for various geological units and structures.

Block for Chart No 2264

AMENDMENT TO ADMIRALTY CHART 5011 (Block to accompany NM 643/02)  
Correction Supplement No 3.

Page 54 - amend IQ 130.1

**130.1 Lateral marks** are generally for well-defined channels. There are two international Buoyage Regions - A and B - where Lateral marks differ.

Port-hand Marks are red with cylindrical topmarks (if any). Lights are red and have any rhythm except  $Fl(2+1)R$

**REGION A**

Preferred channel to Starboard  $Fl(2+1)R$ , if lit

Preferred channel to Port  $Fl(2+1)G$ , if lit

Starboard-hand Marks are green with conical topmarks (if any). Lights are green and have any rhythm except  $Fl(2+1)G$

Port-hand Marks are green with cylindrical topmarks (if any). Lights are green and have any rhythm except  $Fl(2+1)G$

**REGION B**

Preferred channel to Starboard  $Fl(2+1)G$ , if lit

Preferred channel to Port  $Fl(2+1)R$ , if lit

Starboard-hand Marks are red with conical topmarks (if any). Lights are red and have any rhythm except  $Fl(2+1)R$

A preferred channel buoy may also be a pillar or a spar. All preferred channel marks have three horizontal bands of colour.

Where for exceptional reasons an Authority considers that a green colour for buoys is not satisfactory, black may be used.

### III

#### NAVIGATIONAL WARNINGS

*See N.M. 13/02. Messages printed below are all in force on 5 February 2002. 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.*

**(1) Navarea I (NE Atlantic) 7th Week 14/2/02.**

NAVAREA I warnings in force 5/2/02: 2000 series: 189 397 419 473 533.

2001 series: 114 151 152 222 252 258 283 303 311 487 510 521.

2002 series: 005 008 029 032 039 049 050 051 052.

045 Cancelled. Cancel 040/02.

046 Cancelled.

047 Cancelled.

048 Cancelled.

049 RIGLIST. Southern North Sea: 51° to 55°N. Correct at 051000z Feb 02.

|           |            |                       |
|-----------|------------|-----------------------|
| 52°22′.1N | 003°46′.6E | Noble Lynda Bossler   |
| 52°22′.9N | 003°16′.0E | Ensco 100             |
| 53°20′.4N | 003°19′.4E | Ensco 80              |
| 53°21′.4N | 003°59′.0E | Noble Piet Van Ede    |
| 53°42′.3N | 004°36′.1E | Glomar Adriatic 11    |
| 53°55′.7N | 000°32′.3E | Noble Julie Robertson |

**NOTES:**

a. Rigs are protected by a 500 metre safety zone.

b. ACP - Adjacent to Charted Platform.

2. Cancel 041/02.

### III

050 RIGLIST. North Sea: 55° to 60°N, East of 5°W and the Baltic Sea. Correct at 051000z Feb 02.

|           |            |                    |
|-----------|------------|--------------------|
| 55°31'·8N | 005°00'·4E | Maersk Endeavour   |
| 55°43'·1N | 017°59'·8E | Petrobaltic        |
| 56°00'·2N | 003°11'·1E | Glomar Arctic 4    |
| 56°07'·8N | 004°24'·6E | Ensco 70           |
| 56°41'·8N | 002°14'·9E | J.W. McLean        |
| 56°42'·4N | 001°41'·4E | Glomar Grand Banks |
| 56°43'·3N | 003°34'·7E | Transocean Nordic  |
| 56°51'·0N | 002°15'·3E | Galaxy 1           |
| 57°04'·9N | 002°05'·2E | Sedco 714          |
| 57°10'·1N | 000°49'·7E | Santa Fe 140       |
| 57°10'·2N | 000°41'·1E | Ocean Nomad        |
| 57°49'·4N | 000°58'·5W | Borgny Dolphin     |
| 57°49'·7N | 000°56'·5W | Stena Dee          |
| 57°59'·3N | 000°06'·4W | Ocean Princess     |
| 58°01'·6N | 001°06'·6E | Stena Spey         |
| 58°17'·0N | 002°02'·6E | Byford Dolphin     |
| 58°18'·1N | 001°42'·4W | Sedco 704          |
| 58°30'·1N | 000°22'·0E | Pride North Sea    |
| 59°09'·9N | 002°29'·2E | Scarabeo 6         |
| 59°26'·0N | 001°40'·9E | Glomar Arctic 3    |
| 59°31'·3N | 001°25'·4E | Sedco 711          |
| 59°32'·6N | 001°39'·5E | Borgsten Dolphin   |
| 59°44'·0N | 001°34'·6E | Paul B. Loyd Jnr   |

#### NOTES:

- Rigs are protected by a 500 metre safety zone.
- ACP - Adjacent to Charted Platform.

2. Cancel 042/02.

051 RIGLIST. Norwegian Sea: North of 60°N, East of 5°W. Correct at 051000z Feb 02.

|     |           |            |                      |
|-----|-----------|------------|----------------------|
|     | 60°20'·1N | 004°02'·2W | Transocean Leader    |
|     | 60°20'·6N | 004°14'·7W | Jack Bates           |
|     | 60°28'·1N | 002°39'·2E | Deepsea Delta        |
| NEW | 60°30'·8N | 001°50'·1E | Transocean John Shaw |
|     | 60°42'·6N | 003°30'·4E | West Venture         |
|     | 60°44'·5N | 003°34'·9E | Polar Pioneer        |
|     | 60°51'·4N | 002°39'·0E | Maersk Gallant       |
|     | 60°52'·0N | 003°33'·5E | Maersk Jutlander     |
|     | 61°02'·0N | 001°07'·7E | Sedco 712            |
|     | 61°07'·4N | 002°14'·7E | Deepsea Trym         |
|     | 61°19'·0N | 002°48'·1E | Transocean Arctic    |
|     | 61°20'·5N | 001°59'·8E | Borgland Dolphin     |
|     | 61°22'·8N | 002°06'·2E | Bideford Dolphin     |
|     | 61°25'·9N | 002°34'·1E | West Vanguard        |
|     | 61°33'·9N | 001°36'·4E | Ocean Guardian       |
| NEW | 61°53'·1N | 003°59'·1E | Deepsea Bergen       |
|     | 64°10'·0N | 004°21'·0E | Scarabeo 5           |
|     | 64°37'·3N | 006°36'·1E | Transocean Winner    |
|     | 64°58'·3N | 007°37'·3E | Transocean Searcher  |
|     | 65°17'·2N | 007°18'·2E | Transocean Prospect  |
|     | 65°42'·1N | 007°35'·8E | West Alpha           |
|     | 66°03'·6N | 008°10'·7E | Stena Don            |

#### NOTES:

- Rigs are protected by a 500 metre safety zone.
- ACP - Adjacent to Charted Platform.

2. Cancel 043/02.

### III

052 RIGLIST. South and West Coasts of the British Isles. Correct at 051000z Feb 02.

NEW Rotterdam Ensco 72

#### NOTES:

- a. Rigs are protected by a 500 metre safety zone.
- b. ACP - Adjacent to Charted Platform.

2. Cancel 044/02.

Cancel 499/01. ANM 427/02 refers.

#### **(2) Navarea II (E Atlantic) 7th Week 14/2/02.**

Edited Navarea II warnings in force 5/2/02: NIL.  
046 to 060 received.

#### **(3) Navarea III (Mediterranean) 7th Week 14/2/02.**

Edited Navarea III warnings in force 5/2/02: 466/01, 552/01.  
043 to 053 received.

#### **(4) Navarea IV (NW Atlantic) 7th Week 14/2/02.**

Edited Navarea IV warnings in force 5/2/02: 383/01.  
037 to 045 received.

#### **(5) Navarea V (W Atlantic) 7th Week 14/2/02.**

Edited Navarea V warnings in force 5/2/02: 923/97, 568/98, 055/01, 1368/01.  
Nil received.

#### **(6) Navarea VI (SW Atlantic) 7th Week 14/2/02.**

Edited Navarea VI warnings in force 5/2/02: 101/01, 175/01.  
Nil received.

#### **(7) Navarea VII (SE Atlantic) 7th Week 14/2/02.**

Edited Navarea VII warnings in force 5/2/02: NIL.  
013 and 014 received.

#### **(8) Navarea VIII (Indian Ocean) 7th Week 14/2/02.**

Edited Navarea VIII warnings in force 5/2/02: 388/00, 268/01, 497/01.  
054 to 072 received.

#### **(9) Navarea IX (Persian Gulf, Red Sea, NW Arabian Sea) 7th Week 14/2/02.**

Edited Navarea IX warnings in force 5/2/02: NIL.  
Series 2001: 335 and 336 received.  
Series 2002: 001 to 009 received.

#### **(10) Navarea X (Australia, New Guinea) 7th Week 14/2/02.**

Edited Navarea X warnings in force 5/2/02: 020/00.  
Nil received.

#### **(11) Navarea XI (Malacca Strait, China Sea, N Pacific) 7th Week 14/2/02.**

Edited Navarea XI warnings in force 5/2/02: NIL.  
033 to 045 received.

### III

**(12) Navarea XII (NE Pacific) 7th Week 14/2/02.**

Edited Navarea XII warnings in force 5/2/02: 288/01.  
034 to 041 received.

**(13) Navarea XIII (NW Pacific) 7th Week 14/2/02.**

Edited Navarea XIII warnings in force 5/2/02: NIL.  
Nil received.

**(14) Navarea XIV (SW Pacific) 7th Week 14/2/02.**

Edited Navarea XIV warnings in force 5/2/02: NIL.  
011 to 015 received.

**(15) Navarea XV (SE Pacific) 7th Week 14/2/02.**

Edited Navarea XV warnings in force 5/2/02: NIL.  
009 to 012 received.

**(16) Navarea XVI (E Pacific) 7th Week 14/2/02.**

Edited Navarea XVI warnings in force 5/2/02: 151/98.  
Nil received.

**(17) Hydropacs (Pacific, Indian Ocean) 7th Week 14/2/02.**

Edited Hydropacs in force 5/2/02: 1272/99, 1639/01, 1647/01.  
179 to 224 received.

**(18) Hydrolants (Atlantic, Mediterranean) 7th Week 14/2/02.**

Edited Hydrolants in force 5/2/02: 2002/98, 1581/00, 2659/01, 192/02.  
215 to 294 received.

[07/02]

## AMENDMENTS TO ADMIRALTY SAILING DIRECTIONS

## NP 20 Baltic Pilot Volume III (2000 Edition)

**Saaristomeri —Maximum authorised draughts**  
(Including existing Section IV Notice Week 13/01)

**207**

Paragraph 6.76 17 lines 4 and 7 *For 9.6 m Read 10 m*

**208**

Paragraph 6.78 1 line 5 *For 9.6 m Read 10 m*  
Paragraph 6.86 3 line 3 *For 9.6 m Read 10 m*

**209**

Paragraph 6.92 1 line 3 *For 9.6 m Read 10 m*

**210**

Paragraph 6.98 1 line 4 *For 9.6 m Read 10 m*  
Paragraph 6.98 3 line 1 *For 9.6 m Read 10 m*

**211**

Paragraph 6.108 4 line 7 *For 9.6 m Read 10 m*

**212**

Paragraph 6.112 1 line 2 *For 9.6 m Read 10 m*

**213**

Paragraph 6.119 17 line 2 *For 9.6 m Read 10 m*

**214**

L H Column heading *For 9.6 m Read 10 m*

**215**

Paragraph 6.128 1 line 10 *For 9.6 m Read 10 m*

**218**

Paragraph 6.145 1 lines 1 and 2 *For 9.6 m Read 10 m*

**233**

Paragraph 6.247 1 line 3 *For 9.6/10 m Read 10 m*

Finnish Notice 35/865/01  
(HH. 319/480/03)

[07/02]

## NP 24 Black Sea Pilot (2000 Edition)

**Port Odesa — North entrance discontinued**

**170**

Paragraph 6.68 2 lines 6–7, *Delete*

**171–2**

Paragraph 6.83 *Replace by:*  
*(Directions continue for the coastal route to Port*  
*Yuzhy at 6.110)*

Russian Chart 38111  
(HH. 396/560/01)

[07/02]

## NP 25 British Columbia Pilot Volume I (2001 Edition)

**Tacoma — Project depths in Blair Waterway**

**107**

Paragraph 3.238 2 line 5 *For 15.5 Read 9.1*  
Paragraph 3.238 2 line 6 *For 97 Read 45*

US Coast Pilot 7 32nd Edition & BA Chart 48  
(HH. 612/485/06)

[07/02]

## NP 27 Channel Pilot (1999 Edition)

**Regulations to prevent the spread of rabies**

**11**

Paragraph 1.71 *Add:*

11 *The Pet Travel Scheme (Pilot Arrangements) (England) Order 1999* amends the above mentioned Order in respect of certain pet animals (cats and dogs only) which may be brought into the United Kingdom without being subject to quarantine provided a number of conditions are fulfilled. The scheme is limited to pets coming from certain designated countries and territories, and operates only on certain sea, air and rail routes to England by designated carriers. Pets may not be brought into the United Kingdom in any private vessel. The scheme is administered by the Department for the Environment, Food and Rural Affairs, from whom advice is available.

United Kingdom Hydrographic Office  
(HH. 202/034/02)

[07/02]

## NP 28 Dover Pilot (1999 Edition)

**Regulations to prevent the spread of rabies**

**11**

Paragraph 1.77 *Add:*

9 *The Pet Travel Scheme (Pilot Arrangements) (England) Order 1999* amends the above mentioned Order in respect of certain pet animals (cats and dogs only) which may be brought into the United Kingdom without being subject to quarantine provided a number of conditions are fulfilled. The scheme is limited to pets coming from certain designated countries and territories, and operates only on certain sea, air and rail routes to England by designated carriers. Pets may not be brought into the United Kingdom in any private vessel. The scheme is administered by the Department for the Environment, Food and Rural Affairs, from whom advice is available.

United Kingdom Hydrographic Office  
(HH. 202/034/02)

[07/02]

### NP 37 West Coasts of England and Wales Pilot (1999 Edition)

#### Regulations to prevent the spread of rabies

6

Paragraph 1.43 *Add:*

7 *The Pet Travel Scheme (Pilot Arrangements) (England) Order 1999* amends the above mentioned Order in respect of certain pet animals (cats and dogs only) which may be brought into the United Kingdom without being subject to quarantine provided a number of conditions are fulfilled. The scheme is limited to pets coming from certain designated countries and territories, and operates only on certain sea, air and rail routes to England by designated carriers. Pets may not be brought into the United Kingdom in any private vessel. The scheme is administered by the Department for the Environment, Food and Rural Affairs, from whom advice is available.

United Kingdom Hydrographic Office  
(HH. 202/034/02) [07/02]

### NP 52 North Coast of Scotland Pilot (2000 Edition)

#### Regulations to prevent the spread of rabies

7

Paragraph 1.52 *Add:*

7 *The Pet Travel Scheme (Pilot Arrangements) (England) Order 1999* amends the above mentioned Order in respect of certain pet animals (cats and dogs only) which may be brought into the United Kingdom without being subject to quarantine provided a number of conditions are fulfilled. The scheme is limited to pets coming from certain designated countries and territories, and operates only on certain sea, air and rail routes to England by designated carriers. Pets may not be brought into the United Kingdom in any private vessel. The scheme is administered by the Department for the Environment, Food and Rural Affairs, from whom advice is available.

United Kingdom Hydrographic Office  
(HH. 202/034/02) [07/02]

### NP 54 North Sea (West) Pilot (2000 Edition)

#### Regulations to prevent the spread of rabies

6

Paragraph 1.46 *Add:*

7 *The Pet Travel Scheme (Pilot Arrangements) (England) Order 1999* amends the above mentioned Order in respect of certain pet animals (cats and dogs only) which may be brought into the United Kingdom without being subject to quarantine provided a number of conditions are fulfilled. The scheme is limited to pets coming from certain designated countries and territories, and operates only on certain sea, air and rail routes to England by designated carriers. Pets may not be brought into the United Kingdom in any private vessel. The scheme is administered by the Department for the Environment, Food and Rural Affairs, from whom advice is available.

United Kingdom Hydrographic Office  
(HH. 202/034/02) [07/02]

### NP 57A Norway Pilot Volume IIA (1979 Edition) — Supplement 10–1999

#### Skorpesund – Flatholmen — Overhead cable

129

R 37 Including existing Supplement amendment *Add:*

A second **overhead cable**, with a vertical clearance of 20 m, spans the fjord close SE of Flatholmen.

Norwegian Notice 23/1012/01  
(HH. 310/440/03) [07/02]

### NP 63 Persian Gulf Pilot (1982 Edition) — Supplement 8–2001

#### Dubayy – Minā’ Rashid — Wrecks

144

R 15 Including existing Supplement amendment  
*For ... 2 cables NW ... Read ... 2 cables NE ...*

R 43–45 Including existing Supplement amendment  
*For ... 5 miles NNW of Minā’ Rashid breakwaters, ...  
Read ...5 miles NNE of Minā’ Rashid breakwaters, ...*

United Kingdom Hydrographic Office  
(HH. 488/450/04) [07/02]

### NP 66 West Coast of Scotland Pilot (2001 Edition)

#### Regulations to prevent the spread of rabies

7

Paragraph 1.50 *Add:*

7 *The Pet Travel Scheme (Pilot Arrangements) (England) Order 1999* amends the above mentioned Order in respect of certain pet animals (cats and dogs only) which may be brought into the United Kingdom without being subject to quarantine provided a number of conditions are fulfilled. The scheme is limited to pets coming from certain designated countries and territories, and operates only on certain sea, air and rail routes to England by designated carriers. Pets may not be brought into the United Kingdom in any private vessel. The scheme is administered by the Department for the Environment, Food and Rural Affairs, from whom advice is available.

United Kingdom Hydrographic Office  
(HH. 202/034/02) [07/02]

### NP 71 West Indies Pilot Volume II (2000 Edition)

#### Groot Baai — Pilot boarding position

212

Paragraph 5.110 1 line 4 *Replace by:*

Pilot boards vessels 1½ miles W of Witte Kaap.

Netherlands Notice 46/638/01  
(HH. 671/450/04) [07/02]

# V

## AMENDMENTS TO ADMIRALTY LIST OF LIGHTS AND FOG SIGNALS

**Volume A, 2001/02.** Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|               |                                                     |                   |             |    |                   |                                                          |                                                                                                                                                                                            |
|---------------|-----------------------------------------------------|-------------------|-------------|----|-------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3942</b>   | - Ornsay. Off N end<br>(N)                          | 57 09·1<br>5 46·5 | Fl R 6s     | 8  | 4                 | White clad metal framework<br>tower on stone column<br>8 | <i>fl 0·5</i>                                                                                                                                                                              |
|               |                                                     |                   |             |    |                   | *                                                        |                                                                                                                                                                                            |
| <b>4174</b>   | Duart Point. William<br>Black Memorial Tower<br>(N) | 56 26·9<br>5 38·7 | Fl(3)WR 18s | 14 | W 5<br>R 3        | Grey granite building<br>9                               | <i>(fl 0·5, ec 1·5) x 2, fl 0·5, ec 13·5.</i><br>W162°-261°(99°),<br>R261°-275°(14°),<br>W275°-353°(78°), R353°-shore                                                                      |
|               |                                                     |                   |             |    |                   |                                                          | *                                                                                                                                                                                          |
| <b>5945·1</b> | ---                                                 | 54 03·1<br>6 11·4 | Q G         | 4  | 2                 | Green △ on green beacon<br>4                             |                                                                                                                                                                                            |
|               |                                                     |                   |             |    |                   |                                                          | *                                                                                                                                                                                          |
| <b>6266</b>   | Broadhaven. Gubacashel<br>Point<br>(I)              | 54 16·0<br>9 53·3 | Iso WR 4s   | 27 | W 12<br>R 9       | White tower<br>15                                        | W shore (on the S side of the<br>bay)-355°, R355°-shore.<br><b>Iso WR 4s W 17M, R 12M,</b><br><b>R110°-133°(23°),</b><br><b>W133°-355°(222°),</b><br><b>R355°-021°(26°) (P) March 2002</b> |
|               |                                                     |                   |             |    |                   |                                                          | *                                                                                                                                                                                          |
| <b>6309·5</b> | - Barna Quay. Head                                  | 53 14·9<br>9 08·9 | Fl(2)WRG 5s | 6  | W 8<br>R 5<br>G 5 | 4                                                        | G250°-344·5°(94·5°),<br>W344·5°-355·5°(11°),<br>R355·5°-090°(94·5°)                                                                                                                        |
|               |                                                     |                   |             |    |                   |                                                          | *                                                                                                                                                                                          |
| <b>6332</b>   | - Black Head<br>(I)                                 | 53 09·2<br>9 16·0 | Fl WR 5s    | 20 | W 11<br>R 8       | White square concrete tower<br>8                         | <i>fl 1.</i> W045°-268°(223°),<br>R268°-276°(8°)                                                                                                                                           |
|               |                                                     |                   |             |    |                   |                                                          | *                                                                                                                                                                                          |

**Volume B, 2001/02.** Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|               |                |                   |            |    |     |                                         |                                                                                                                                                                     |
|---------------|----------------|-------------------|------------|----|-----|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3766·2</b> | - Lindholmen   | 60 07·6<br>5 12·6 | Iso WRG 4s | 4  | ... | White lantern on tripod                 | G174·5°-233·5°(59°),<br>W233·5°-235°(1·5°),<br>R235°-271·5°(36·5°),<br>W271·5°-285·5°(14°),<br>G285·5°-043·5°(118°),<br>W043·5°-064°(20·5°),<br>R064°-083·5°(19·5°) |
|               |                |                   |            |    |     | *                                       | *                                                                                                                                                                   |
| <b>3766·8</b> | - Rosmunholmen | 60 02·4<br>5 04·5 | Iso WRG 2s | 23 | ... | White lantern on framework<br>structure | G317°-334°(17°),<br>W334°-337°(3°),<br>R337°-079°(102°),<br>W079°-089°(10°),<br>G089°-210°(121°),<br>R210°-218°(8°), W218°-220°(2°),<br>G220°-244°(24°)             |
|               |                |                   |            |    |     | *                                       | *                                                                                                                                                                   |

# V

## Volume B *continued.*

|      |                                   |                   |            |    |                                            |                                                                                                                                                                                                                                                                                |
|------|-----------------------------------|-------------------|------------|----|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3767 | - Stallareskjer                   | 60 01:2<br>5 05:8 | Iso WRG 6s | 8  | ... White lantern on tripod                | G041°-089°(48°),<br>W089°-091°(2°),<br>R091°-122°(31°),<br>W122°-138°(15°),<br>G138°-192°(54°),<br>W192°-194°(1°),<br>R194°-214°(20°),<br>W214°-221°(7°),<br>G221°-237°(16°),<br>R237°-290°(52°),<br>W290°-314°(24°),<br>G314°-346°(32°),<br>R346°-5°-041°(54°)                |
|      |                                   | *                 |            |    | * *                                        | *                                                                                                                                                                                                                                                                              |
| 3768 | - Grøningen. N end                | 60 03:2<br>5 09:6 | Iso WRG 4s | 13 | ... White lantern on concrete column       | W005°-008°(3°),<br>R008°-035°(27°),<br>W035°-042°(7°),<br>G042°-047°(5°),<br>W047°-052°(4°),<br>R052°-097°(45°),<br>G097°-122°(25°),<br>W122°-133°(10°),<br>R133°-197°(64°),<br>W197°-199°(2°),<br>G199°-277°(78°),<br>R277°-331°(54°),<br>W331°-353°(21°),<br>G353°-005°(12°) |
|      |                                   | *                 |            | *  | *                                          | *                                                                                                                                                                                                                                                                              |
| 3772 | - Horgesund. Leiskjer             | 60 05:3<br>5 07:7 | Iso WRG 6s | 6  | ... White lantern, concrete base           | G342°-351°(9°),<br>W351°-355°(4°),<br>R355°-012°(16°),<br>W012°-013°(1°),<br>G013°-156°(142°),<br>W156°-160°(4°),<br>R160°-168°(8°),<br>G168°-5°-182°(13°)                                                                                                                     |
|      |                                   | *                 |            |    | *                                          | *                                                                                                                                                                                                                                                                              |
| 3774 | - Kassholmboen                    | 60 07:7<br>5 05:6 | Iso WRG 2s | 5  | ... White lantern on tripod                | R194°-209°(15°),<br>G209°-350°(141°),<br>W350°-352°(1°),<br>R352°-034°(42°),<br>W034°-043°(8°),<br>G043°-053°(10°)                                                                                                                                                             |
|      |                                   | *                 |            |    | * *                                        | *                                                                                                                                                                                                                                                                              |
| 3776 | - Spissøy. NW point.<br>Bakkasund | 60 08:0<br>5 06:0 | Iso WRG 6s | 3  | ... White lantern, concrete base           | R359°-051°(51°),<br>G051°-175°(124°),<br>W175°-181°(6°),<br>R181°-198°(16°)                                                                                                                                                                                                    |
|      |                                   | *                 |            |    | *                                          | *                                                                                                                                                                                                                                                                              |
| 3780 | - <b>Marstein.</b> Summit         | 60 07:8<br>5 00:6 | Fl W 10s   | 37 | <b>17</b> White tower on stone house<br>17 | Racon                                                                                                                                                                                                                                                                          |
|      | ---                               | ...               | Oc(2)R     | 28 | 9 Same structure                           | Vis 063°-085°(21°)                                                                                                                                                                                                                                                             |
|      | *                                 | *                 |            |    |                                            | *                                                                                                                                                                                                                                                                              |
| 3788 | - Selsvikneset.<br>Austerfjorden  | 60 10:5<br>5 05:1 | Iso WRG 2s | 8  | ... White lantern                          | R163°-168°(5°),<br>G168°-339°(170°),<br>W339°-355°(16°),<br>R355°-006°(11°)                                                                                                                                                                                                    |
|      |                                   | *                 |            |    | * *                                        | *                                                                                                                                                                                                                                                                              |

# V

## Volume B *continued.*

|             |                                     |                   |             |    |                    |                                     |                                                                                                                                                                                                                           |
|-------------|-------------------------------------|-------------------|-------------|----|--------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3790</b> | - Håkholmens. S point.<br>Ystaskjer | 60 10·2<br>5 06·7 | Iso WRG 6s  | 10 | W 6<br>R 4<br>G 4  | White lantern                       | G220°-239·5°(19·5°),<br>W239·5°-273°(33·5°),<br>R273°-279°(6°),<br>G279°-003°(84°),<br>R003°-046·5°(43·5°),<br>W046·5°-062°(15·5°),<br>G062°-076°(14°)                                                                    |
|             |                                     | *                 |             |    | *                  |                                     | *                                                                                                                                                                                                                         |
| <b>3794</b> | - Tangens. E point.<br>Børnestangen | 60 12·1<br>5 10·2 | Oc WRG 6s   | 12 | W 12<br>R 9<br>G 8 | White lantern                       | R158°-172°(14°),<br>W172°-189°(17°),<br>G189°-224°(35°),<br>R224°-232·5°(8·5°),<br>G232·5°-269°(36·5°),<br>W269°-272°(3°), R272°-275°(3°),<br>W275°-287°(12°),<br>G287°-309°(22°),<br>W309°-019°(70°),<br>R019°-039°(20°) |
|             |                                     | *                 |             |    | *                  |                                     | *                                                                                                                                                                                                                         |
| <b>3798</b> | - Brakholmen. W side.<br>Lerøy      | 60 13·6<br>5 10·3 | Oc(2)WR 8s  | 5  | W 10<br>R 8        | White lantern on tripod             | R312°-330°(18°),<br>W330°-159°(189°),<br>R159°-166°(7°)                                                                                                                                                                   |
|             |                                     | *                 |             |    |                    | *                                   | *                                                                                                                                                                                                                         |
| <b>3800</b> | - Flatøy. NW point.<br>Raunane      | 60 15·8<br>5 10·9 | Oc(2)WRG 8s | 12 | W 2<br>R 1<br>G 1  | Lantern on column                   | R020°-026°(6°),<br>W026°-058°(32°),<br>R058°-186°(128°),<br>W186°-193°(7°), G193°-201°(8°)                                                                                                                                |
|             |                                     | *                 |             |    | *                  | *                                   | *                                                                                                                                                                                                                         |
| <b>3805</b> | - Bogøy. W side                     | 60 20·0<br>5 13·2 | Oc WRG 6s   | 7  | W 2<br>R 1<br>G 1  | White lantern on concrete<br>column | G304°-344°(40°),<br>W344°-351°(7°),<br>R351°-035°(44°),<br>W035°-046°(11°),<br>G046°-111°(65°), W111°-shore                                                                                                               |
|             |                                     | *                 | *           |    | *                  |                                     | *                                                                                                                                                                                                                         |
| <b>3806</b> | - Knappen                           | 60 19·7<br>5 15·0 | Oc(2)WRG 8s | 25 | W 5<br>R 3<br>G 3  | White lantern, concrete base        | W332°-000°(28°),<br>G000°-069°(69°),<br>W069°-084·5°(15·5°),<br>R084·5°-121°(36·5°),<br>W121°-154°(33°),<br>G154°-176°(22°)                                                                                               |
|             |                                     | *                 | *           |    | *                  |                                     | *                                                                                                                                                                                                                         |
| <b>3807</b> | - Hestabakken                       | 60 20·5<br>5 14·4 | Oc WRG 6s   | 4  | W 5<br>R 3<br>G 3  | White lantern on concrete<br>column | R331°-355°(24°),<br>G355°-358·5°(3·5°),<br>W358·5°-012·5°(14°),<br>R012·5°-142°(129·5°),<br>W142°-155·5°(13·5°),<br>G155·5°-shore                                                                                         |
|             |                                     | *                 | *           |    | *                  |                                     | *                                                                                                                                                                                                                         |
| <b>3814</b> | - Vonflua                           | 60 20·2<br>5 10·2 | Oc WRG 6s   | 3  | W 10<br>R 8<br>G 7 | White lantern on tripod             | G016°-045·5°(29·5°),<br>W045·5°-048°(2·5°),<br>R048°-057·5°(9·5°),<br>W057·5°-064°(6·5°),<br>G064°-176°(112°),<br>W176°-182°(6°),<br>R182°-192°(10°),<br>G192°-241·5°(49·5°)                                              |
|             |                                     | *                 |             |    | *                  | *                                   | *                                                                                                                                                                                                                         |

# V

## Volume B *continued.*

|             |                               |                   |             |    |                    |                                      |                                                                                                                                                                                                          |
|-------------|-------------------------------|-------------------|-------------|----|--------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3822</b> | - Kvarven                     | 60 24·0<br>5 14·5 | Iso WRG 6s  | 12 | W 4<br>R 2<br>G 2  | White lantern                        | R042°-064°(22°),<br>W064°-069°(5°),<br>G069°-214°(145°),<br>W214°-266°(52°),<br>R266°-279°(13°),<br>G279°-283°(4°)                                                                                       |
|             |                               | *                 |             | *  | *                  |                                      | *                                                                                                                                                                                                        |
| <b>3839</b> | Salhusfjorden.<br>Klauvaneset | 60 31·2<br>5 16·4 | Oc(2)WRG 8s | 7  | W 3<br>R 2<br>G 2  | Column                               | R358°-025°(27°),<br>W025°-047°(22°),<br>G047°-181°(134°),<br>W181°-216·5°(35·5°),<br>G216·5°-230°(13·5°),<br>R230°-233°(3°),<br>G233°-259°(26°). Racon                                                   |
|             |                               | *                 |             |    | *                  | *                                    |                                                                                                                                                                                                          |
| <b>3840</b> | - Hagelsund. E side           | 60 32·5<br>5 16·7 | Oc WRG 6s   | 19 | W 5<br>R 4<br>G 3  | White lantern                        | G300·5°-301°(0·5°),<br>W301°-305°(4°),<br>R305°-008°(63°),<br>G008°-130°(122°),<br>W130°-134°(4°),<br>R134°-137·5°(3·5°). F R lights<br>mark centre of bridge up stream<br>and down stream sides 400m NW |
|             |                               | *                 |             |    | *                  |                                      | *                                                                                                                                                                                                        |
| <b>3848</b> | - Stokkenes                   | 60 26·4<br>5 36·6 | Oc(2)WRG 8s | 5  | W 10<br>R 7<br>G 7 | White lantern on wooden<br>structure | R206°-215·5°(9·5°),<br>W215·5°-220°(4·5°),<br>G220°-064·5°(204·5°),<br>W064·5°-066·5°(2°)                                                                                                                |
|             |                               | *                 |             |    | *                  |                                      | *                                                                                                                                                                                                        |
| <b>3854</b> | - Kallandsholmen              | 60 41·0<br>5 44·3 | Oc WRG 6s   | 5  | W 10<br>R 7<br>G 7 | White lantern                        | G346°-001·5°(15·5°),<br>W001·5°-003°(1·5°),<br>R003°-138·5°(135·5°),<br>W138·5°-144°(5·5°),<br>G144°-166·5°(22·5°)                                                                                       |
|             |                               |                   |             |    |                    |                                      | *                                                                                                                                                                                                        |
| <b>3862</b> | - Åsnes                       | 60 43·7<br>5 40·0 | Fl WRG 5s   | 3  | W 6<br>R 4<br>G 4  | White lantern                        | G209°-212°(3°),<br>W212°-220·5°(8·5°),<br>R220·5°-002°(141·5°),<br>W002°-016°(14°),<br>G016°-038·5°(22·5°),<br>W038·5°-046°(7·5°),<br>R046°-047·5°(1·5°)                                                 |
|             |                               |                   |             |    |                    |                                      | *                                                                                                                                                                                                        |
| <b>3890</b> | - Tveitøyholmen               | 60 35·1<br>5 13·4 | Iso R 2s    | 3  | 2                  | Post                                 |                                                                                                                                                                                                          |
|             |                               | *                 |             | *  | *                  |                                      | *                                                                                                                                                                                                        |
| <b>3922</b> | - Bispen                      | 60 41·2<br>5 06·1 | VQ(3)W 5s   | 6  | 3                  | Beacon                               |                                                                                                                                                                                                          |
|             |                               | *                 |             |    | *                  |                                      | *                                                                                                                                                                                                        |

# V

## Volume B *continued.*

|                |                                      |                   |              |    |                    |                                   |                                                                                                                                                                                                |
|----------------|--------------------------------------|-------------------|--------------|----|--------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3970</b>    | - Sandholmen                         | 60 44.9<br>5 01.1 | Iso WRG 6s   | 9  | W 6<br>R 4<br>G 3  | White lantern on wooden structure | R123°-140°(17°),<br>W140°-155°(15°),<br>G222°-237°(15°),<br>W237°-244°(7°),<br>R244°-255°(11°),<br>G255°-315.5°(60.5°),<br>W315.5°-330.5°(15°),<br>R330.5°-339.5°(9°),<br>G339.5°-123°(143.5°) |
|                |                                      | *                 |              | *  | *                  |                                   | *                                                                                                                                                                                              |
| <b>3992</b>    | - Søre Bakøyskjer                    | 60 45.9<br>5 01.6 | VQ R         | 4  | 2                  | Post                              |                                                                                                                                                                                                |
|                |                                      | *                 | *            | *  | *                  |                                   | *                                                                                                                                                                                              |
| <b>4024</b>    | Askøy. NW point.<br>Herdlesund       | 60 33.7<br>4 57.7 | Oc(2)WRG 8s  | 4  | W 6<br>R 4<br>G 4  | White lantern                     | G018°-031.5°(13.5°),<br>W031.5°-036.5°(5°),<br>R036.5°-059°(22.5°),<br>G059°-213°(154°),<br>W213°-225°(12°),<br>R225°-253°(28°). 2 F R mark<br>passage through bridge close NW                 |
|                |                                      | *                 |              |    |                    |                                   | *                                                                                                                                                                                              |
| <b>4026</b>    | - Ringholmen. E side                 | 60 35.7<br>4 57.8 | Iso WRG 4s   | 8  | W 6<br>R 4<br>G 4  | White lantern on wooden structure | R131°-140°(9°),<br>G140°-310°(170°),<br>W310°-326°(16°),<br>R326°-034°(68°),<br>W034°-047.5°(13.5°),<br>R047.5°-086°(38.5°)                                                                    |
|                |                                      | *                 |              | *  | *                  |                                   | *                                                                                                                                                                                              |
| <b>4035.2</b>  | - Buneset. Ldg Lts<br>314°30', Front | 60 37.9<br>5 02.4 | F R          | 9  | ...                | ...                               | Vis 310.5°-318.5°(8°)                                                                                                                                                                          |
|                |                                      | *                 |              | *  |                    |                                   | *                                                                                                                                                                                              |
| <b>4035.21</b> | -- Rear. 1.6M from front             | 60 38.1<br>5 02.4 | F R          | 13 | ...                | ...                               | Vis 310.5°-318.5°(8°)                                                                                                                                                                          |
|                |                                      | *                 |              | *  |                    |                                   | *                                                                                                                                                                                              |
| <b>4036</b>    | - Bongno                             | 60 36.8<br>5 04.5 | Oc WRG 6s    | 30 | W 9<br>R 7<br>G 7  | White lantern                     | R096.5°-100.5°(4°),<br>W100.5°-109°(8.5°),<br>G109°-121°(12°),<br>R121°-297.5°(176.5°),<br>W297.5°-299°(1.5°),<br>G299°-306°(7°)                                                               |
|                |                                      | *                 |              |    | *                  |                                   | *                                                                                                                                                                                              |
| <b>4052</b>    | - Vågeneståni                        | 60 40.5<br>4 56.4 | Oc(3)WRG 10s | 7  | W 10<br>R 8<br>G 7 | White lantern                     | R313°-320°(7°),<br>G320°-100°(140°),<br>W100°-124°(24°),<br>R124°-139°(15°)                                                                                                                    |
|                |                                      | *                 |              |    | *                  |                                   | *                                                                                                                                                                                              |
| <b>4053</b>    | - Hauglandsosen                      | 60 25.5<br>5 08.4 | Oc WRG 6s    | 12 | W 10<br>R 8<br>G 7 | White lantern, concrete base      | G351°-354°(3°),<br>W354°-001°(7°),<br>R001°-095°(94°),<br>W095°-098.5°(3.5°),<br>G098.5°-132.5°(34°),<br>R132.5°-171.5°(39°),<br>W171.5°-174°(2.5°),<br>G174°-194°(20°)                        |
|                |                                      | *                 |              |    | *                  |                                   | *                                                                                                                                                                                              |

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## Volume B *continued.*

|             |                               |                   |              |    |                    |                                  |                                                                                                                                                                                                                                      |
|-------------|-------------------------------|-------------------|--------------|----|--------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4058</b> | - Kalvanes                    | 60 26·1<br>5 01·1 | Oc(2)WRG 8s  | 13 | W 10<br>R 8<br>G 8 | White lantern                    | R152°-156°(4°),<br>W156°-174°(18°),<br>G174°-231°(57°),<br>W231°-233°(2°),<br>R233°-278·5°(45·5°),<br>W278·5°-281°(2·5°),<br>G281°-302°(21°),<br>W302°-305°(3°),<br>R305°-336°(31°)                                                  |
|             |                               | *                 |              |    | *                  |                                  | *                                                                                                                                                                                                                                    |
| <b>4060</b> | - Jona                        | 60 31·2<br>4 56·3 | Oc(3)WRG 10s | 14 | W 9<br>R 8<br>G 8  | White lantern on base            | G139°-160·5°(21·5°),<br>W160·5°-170°(9·5°),<br>R170°-327·5°(157·5°),<br>W327·5°-334·5°(7°),<br>G334·5°-003°(28·5°),<br>W003°-006·5°(3·5°),<br>R006·5°-038°(31·5°),<br>G038°-089·5°(51·5°),<br>W089·5°-097°(7·5°),<br>R097°-139°(42°) |
|             |                               | *                 |              |    | *                  |                                  | *                                                                                                                                                                                                                                    |
| <b>4064</b> | - Stureholmen                 | 60 36·7<br>4 52·0 | Oc(2)WRG 8s  | 10 | W 8<br>R 6<br>G 5  | White lantern, stone base        | G146°-170·5°(24·5°),<br>W170·5°-187°(16·5°),<br>R187°-253·5°(66·5°),<br>W253·5°-261·5°(8°),<br>G261·5°-301°(39·5°),<br>W301°-343·5°(42·5°),<br>R343·5°-005°(21·5°)                                                                   |
|             |                               | *                 |              |    | *                  |                                  | *                                                                                                                                                                                                                                    |
| <b>4076</b> | --                            | 60 11·2<br>5 02·4 | Iso WRG 4s   | 4  | ...                | White lantern on concrete column | G010°-016·5°(6·5°),<br>R016·5°-181·5°(165°),<br>W181·5°-194·5°(13°),<br>G194·5°-200°(5·5°)                                                                                                                                           |
|             |                               | *                 |              |    | *                  |                                  | *                                                                                                                                                                                                                                    |
| <b>4078</b> | - Nordøy, W point.<br>Glesvær | 60 12·4<br>5 01·0 | Iso WRG 6s   | 30 | ...                | White lantern, stone base        | G020°-042°(22°),<br>W042°-050°(8°),<br>R050°-073°(23°),<br>W073°-107°(34°), G107°-shore                                                                                                                                              |
|             |                               |                   |              |    | *                  |                                  | *                                                                                                                                                                                                                                    |
| <b>4080</b> | - Tælavåg                     | 60 14·6<br>4 59·1 | Iso WRG 2s   | 15 | ...                | White lantern                    | G004°-017°(13°),<br>W017°-022°(5°),<br>R022°-035°(13°),<br>W035°-039°(4°),<br>G039°-084°(45°),<br>W084°-087·5°(3·5°),<br>R087·5°-190°(102·5°),<br>G190°-225°(35°)                                                                    |
|             |                               |                   |              | *  | *                  |                                  | *                                                                                                                                                                                                                                    |
| <b>4082</b> | - Hissøy, W side              | 60 18·5<br>4 55·9 | Iso WRG 4s   | 30 | ...                | White lantern                    | R344°-043°(59°),<br>W043°-057°(14°),<br>G057°-081°(24°),<br>W081°-093°(12°),<br>R093°-165°(72°),<br>W165°-172°(7°),<br>G172°-202°(30°)                                                                                               |
|             |                               |                   |              |    | *                  |                                  | *                                                                                                                                                                                                                                    |

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## Volume B *continued.*

|               |                                 |                   |              |    |                   |                                    |                                                                                                                                                                                                                                                          |
|---------------|---------------------------------|-------------------|--------------|----|-------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4086</b>   | - Tjørnøy                       | 60 21·6<br>4 55·2 | Oc(3)WRG 12s | 18 | W 7<br>R 5<br>G 5 | White lantern on concrete pedestal | <i>fl</i> 0·7. G347°-358·5°(11·5°),<br>R358·5°-001·5°(3°),<br>W001·5°-003·5°(2°),<br>G003·5°-054°(50·5°),<br>R054°-065·5°(11·5°),<br>W065·5°-108·5°(43°),<br>G108·5°-145·5°(37°),<br>W145·5°-156·5°(11°),<br>R156·5°-163°(6·5°),<br>G163°-191°(28°)      |
|               |                                 |                   |              |    |                   | *                                  | *                                                                                                                                                                                                                                                        |
| <b>4088</b>   | - Haverøy. W side               | 60 24·2<br>4 55·9 | Iso WRG 6s   | 24 | W 7<br>R 5<br>G 5 | White lantern                      | R194°-202°(8°), W202°-204°(2°),<br>G204°-205°(1°),<br>R236°-296·5°(60·5°),<br>W296·5°-320·5°(24°),<br>G320·5°-013°(52·5°),<br>W013°-015°(2°),<br>R015°-044°(29°),<br>W044°-056°(12°),<br>G056°-071·5°(15·5°),<br>R071·5°-093°(21·5°),<br>G093°-116°(23°) |
|               |                                 |                   |              |    |                   | *                                  | *                                                                                                                                                                                                                                                        |
| <b>4090</b>   | - Vestre Buarøy. E side         | 60 24·2<br>4 57·1 | Oc(2)WRG 8s  | 6  | W 7<br>R 5<br>G 5 | White lantern                      | R157°-167·5°(10·5°),<br>W167·5°-169°(1·5°),<br>G169°-183°(14°),<br>R183°-343°(160°),<br>W343°-345°(2°),<br>G345°-351·5°(6·5°). Fl W and F R<br>on radio mast 1·7M ENE                                                                                    |
|               |                                 |                   |              |    |                   | *                                  | *                                                                                                                                                                                                                                                        |
| <b>4092</b>   | - Turøy. Turiberget             | 60 26·0<br>4 54·4 | Iso WRG 2s   | 37 | ...               | White lantern                      | R240°-306°(66°),<br>W306°-311°(5°),<br>G311°-029°(78°),<br>R033°-041°(8°), W041°-046°(5°),<br>G046°-075°(29°),<br>W075°-079·5°(4·5°),<br>R079·5°-115°(35·5°),<br>W115°-143·5°(28·5°),<br>G143·5°-208°(64·5°)                                             |
|               |                                 |                   |              |    |                   | *                                  | *                                                                                                                                                                                                                                                        |
| <b>4093</b>   | - Store Skarvøy.<br>Skåragavlen | 60 27·6<br>4 55·3 | Iso WRG 4s   | 20 | W 8<br>R 5<br>G 5 | White lantern                      | R338°-346·5°(8·5°),<br>G346·5°-071°(84·5°),<br>W071°-094·5°(23·5°),<br>R094·5°-119°(24·5°),<br>G119°-159·5°(40·5°)                                                                                                                                       |
|               |                                 |                   |              |    |                   | *                                  | *                                                                                                                                                                                                                                                        |
| <b>4094</b>   | Misjeholmane                    | 60 27·1<br>4 58·4 | Iso WRG 4s   | 4  | ...               | White lantern                      | G005°-020°(15°),<br>R020°-162°(142°),<br>G162°-177°(15°),<br>W177°-184°(7°),<br>R184°-200°(16°)                                                                                                                                                          |
|               |                                 |                   |              |    |                   | *                                  | *                                                                                                                                                                                                                                                        |
| <b>4094·6</b> | - Svelgen                       | 60 27·2<br>4 57·0 | Iso WRG 2s   | 7  | ...               | White lantern, concrete base       | G220°-225°(5°),<br>R225°-346°(121°),<br>W346°-347°(1°),<br>G347°-036·5°(49·5°),<br>R036·5°-051°(14·5°),<br>G051°-066°(15°),<br>R066°-073°(7°)                                                                                                            |
|               |                                 |                   |              |    |                   | *                                  | *                                                                                                                                                                                                                                                        |

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## Volume B *continued.*

|             |                                |                   |            |    |                   |               |                                                                                                                                                                   |
|-------------|--------------------------------|-------------------|------------|----|-------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4096</b> | - Bjørnøy. W side.<br>Rongsund | 60 29·3<br>4 55·4 | Iso WRG 6s | 6  | W 6<br>R 4<br>G 4 | White lantern | R006·5°-040°(33·5°),<br>W040°-044·5°(4·5°),<br>G044·5°-055·5°(11°),<br>W055·5°-063°(7·5°),<br>R063°-202·5°(139·5°),<br>W202·5°-205·5°(3°),<br>G205·5°-216°(10·5°) |
|             |                                | *                 |            | *  | *                 |               | *                                                                                                                                                                 |
| <b>4104</b> | Oneknappen                     | 60 30·6<br>4 52·0 | Iso WRG 4s | 17 | W 6<br>R 4<br>G 4 | White lantern | G357·5°-017°(19·5°),<br>W017°-022°(5°),<br>R022°-079°(57°),<br>W079°-081°(2°),<br>G081°-192°(111°),<br>R192°-221°(29°)                                            |
|             |                                | *                 |            |    | *                 |               | *                                                                                                                                                                 |

## Volume C, 2001/02. Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|                |                              |                    |             |     |                   |                                       |                                                                                                                                                                                                                    |
|----------------|------------------------------|--------------------|-------------|-----|-------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3076·35</b> | -- Basen Ostrowica II        | 54 22·7<br>18 39·3 | Fl Y 4s     | 8   | 2                 | Orange framework tower                |                                                                                                                                                                                                                    |
|                |                              |                    | *           |     |                   | *                                     |                                                                                                                                                                                                                    |
| <b>3399·5</b>  | --                           | 56 32·8<br>20 59·9 | Fl R 3s     | ... | 1                 |                                       |                                                                                                                                                                                                                    |
| *              | *                            | *                  | *           | *   | *                 | *                                     | *                                                                                                                                                                                                                  |
| <b>3399·6</b>  | --                           | 56 32·7<br>21 00·0 | Fl R 3s     | ... | 1                 |                                       |                                                                                                                                                                                                                    |
| *              | *                            | *                  | *           | *   | *                 | *                                     | *                                                                                                                                                                                                                  |
| <b>5185</b>    | - Ulkomatala                 | 59 59·5<br>24 53·6 | VQ(3)W 5s   | 12  | 3                 | ⬠ on black beacon, yellow band        | (fl 0·2, ec 0·4) x 2, fl 0·2, ec 3·6.<br>Ra refl. <b>TE 1999</b>                                                                                                                                                   |
|                |                              |                    |             |     | *                 |                                       | *                                                                                                                                                                                                                  |
| <b>6200</b>    | - Fredriksskans. Mole. S end | 60 41·4<br>17 13·6 | Fl(2)WRG 6s | 7   | W 9<br>R 7<br>G 5 | White tower, red band, on grey base 6 | G207°-227°(20°),<br>W227°-230°(3°),<br>R230°-253°(23°),<br>G253°-060°(167°),<br>W060°-063°(3°),<br>R063°-084°(21°). Floodlit. Ra refl.<br><b>TE 2002.</b> Reserve light. F R 54m<br>on wind power station 600m NNE |
|                |                              |                    |             |     |                   |                                       | *                                                                                                                                                                                                                  |

## Volume D, 2001/02. Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|                |                                          |                   |     |     |   |                |   |
|----------------|------------------------------------------|-------------------|-----|-----|---|----------------|---|
| <b>1557·61</b> | --                                       | 43 26·8<br>3 46·0 | Q R | 7   | 2 | Red post       |   |
|                |                                          |                   |     |     |   |                | * |
| <b>1560·7</b>  | - Marina dock. Floating breakwater. Head | 43 24·2<br>3 48·9 | Q R | ... | 2 | Metal pillar 3 |   |
|                |                                          |                   |     |     |   |                | * |

# V

## Volume D *continued.*

|               |                                                                     |                    |            |     |    |                                                       |                                                                                                             |   |
|---------------|---------------------------------------------------------------------|--------------------|------------|-----|----|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---|
| <b>1841</b>   | - Ensenada de Villagarcia.<br>El Porrón                             | 42 36·5<br>8 46·6  | Fl Y 5s    | ... | 2  | Metal lattice beacon                                  | <i>fl</i> 0·5. Marks marine cultivation.<br><b>TE 2002</b>                                                  | * |
| <b>1894·5</b> | - Dique Frigorificos del<br>Morrazo. Head                           | 42 15·4<br>8 47·0  | Fl(2)R 7s  | 5   | 3  | Red round tower<br>5                                  | Vis 080°-360°(280°)                                                                                         | * |
| <b>1911</b>   | - Ldg Lts 084°. Front.<br>Cabezo de San Juan                        | 42 08·3<br>8 50·0  | Fl W 6s    | 7   | 7  | White truncated conical<br>tower                      |                                                                                                             | * |
| <b>2005</b>   | - Ldg Lts 071°. On beach.<br>Front                                  | 41 48·8<br>8 52·0  | LFl R 6s   | 7   | 6  | Red and white truncated<br>pyramid on white base<br>6 | <i>fl</i> 2. Storm Signals. <b>TE 2001</b>                                                                  | * |
| <b>2059</b>   | - Triângulo. W. Regulador<br>de Correntes. Ldg Lts<br>089·5°. Front | 40 38·8<br>8 44·5  | Q(2+1)G 6s | 7   | 6  | Truncated tower with red<br>and green bands<br>4      | <i>fl</i> 0·3, <i>ec</i> 0·4, <i>fl</i> 0·3, <i>ec</i> 1·2, <i>fl</i> 0·3,<br><i>ec</i> 3·5. <b>TE 2002</b> | * |
| <b>7760</b>   | - Khuddi Island                                                     | 24 33·6<br>67 13·2 | Fl(4)W 30s | 40  | 14 | White round concrete tower,<br>black bands            | F R 65m on radio mast 14·6M<br>NNE. <b>Unreliable 2001</b>                                                  | * |

## Volume E, 2001/02. Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|               |                           |                   |                |     |    |                                                                        |                                                                                                    |   |
|---------------|---------------------------|-------------------|----------------|-----|----|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---|
| <b>0030</b>   | - Groyne. Centre          | 36 29·0<br>4 57·7 | Q(6)+LFl W 15s | 10  | 5  | Truncated masonry tower<br>6                                           | ( <i>fl</i> 0·3, <i>ec</i> 0·7) x 6, <i>fl</i> 2, <i>ec</i> 7.<br><b>TE 2002</b>                   | * |
| <b>0060·4</b> | - Dique Sur. SW. Head     | 36 35·7<br>4 30·7 | Fl G 5s        | 9   | 10 | White truncated conical<br>masonry tower, grey and<br>green bands<br>5 | <i>fl</i> 1                                                                                        | * |
| <b>0071</b>   | - Dique de Levante. Head  | 36 42·8<br>4 20·8 | Oc G 3s        | 7   | 4  | White truncated tower, green<br>top<br>4                               | <b>2 F R(vert) (T) 2002.</b><br><b>Port closed (T) 2002</b>                                        | * |
| <b>0071·2</b> | - Dique de Poniente. Head | 36 42·9<br>4 20·8 | Iso R 2s       | 7   | 3  | White truncated tower, red<br>top<br>4                                 | <b>TE 2002</b>                                                                                     | * |
| <b>0124</b>   | <b>Cabo Tiñoso</b>        | 37 32·2<br>1 06·4 | Fl(1+3)W 20s   | 146 | 24 | White tower and dwelling<br>10                                         | <i>fl</i> 0·2, <i>ec</i> 6·4, ( <i>fl</i> 0·2, <i>ec</i> 3·2) x 2, <i>fl</i><br>0·2, <i>ec</i> 6·4 | * |
| <b>0125·3</b> | - On point                | 37 35·2<br>1 00·2 | Fl(3)G 12s     | 8   | 3  | White and yellow truncated<br>conical tower<br>5                       | ( <i>fl</i> 0·5, <i>ec</i> 1·5) x 2, <i>fl</i> 0·5, <i>ec</i> 7·5                                  | * |

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Volume E *continued*.

|                |                                        |                    |                |     |           |                                                  |                                                                                                         |
|----------------|----------------------------------------|--------------------|----------------|-----|-----------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>0136-9</b>  | -                                      | 37 37·8<br>0 41·8  | Q(6)+LFl W 15s | 5   | 5         | ▽ on black beacon, yellow top                    |                                                                                                         |
|                |                                        |                    |                |     |           | 3                                                | *                                                                                                       |
| <b>0186</b>    | - Ldg Lts 228°. Front                  | 38 50·5<br>0 07·0  | Fl R 2·5s      | 10  | 4         | Metal column with platform                       | <i>fl 1</i> . Vis 198°-258°(60°)                                                                        |
|                |                                        |                    |                |     |           | 10                                               | *                                                                                                       |
| <b>0355</b>    | - Punta del Esperó                     | 39 52·7<br>4 19·7  | Fl(1+2)W 15s   | 51  | 8         | White round tower, black bands, white hut        | <i>fl 0·5, ec 2, fl 0·5, ec 1·5, fl 0·5, ec 10. TE 2002</i>                                             |
|                |                                        |                    |                |     |           | 11                                               | *                                                                                                       |
| <b>0366</b>    | - <b>Isla del Aire</b>                 | 39 48·0<br>4 17·6  | Fl W 5s        | 53  | <b>18</b> | White tower, black bands and white dwelling      | <i>fl 0·2</i> . Vis 197°-111°(274°). F R lights on radio masts.1·9M 326°. <b>Reduced range (T) 2002</b> |
|                |                                        |                    |                |     |           | 38                                               | *                                                                                                       |
| <b>0396·12</b> | - Neuvo Contradique. Head              | 41 12·6<br>1 43·8  | Fl(2)R 10s     | 15  | 3         | Red pyramidal tower                              | <i>fl 0·5, ec 2, fl 0·5, ec 7</i>                                                                       |
|                |                                        |                    |                |     |           | 5                                                | *                                                                                                       |
| <b>0403</b>    | - Muelle de Inflamables. SE Elbow      | 41 19·6<br>2 09·5  | Q R            | 9   | 2         | Red beacon                                       | <b>TE 2002</b>                                                                                          |
|                |                                        |                    |                |     |           | 9                                                | *                                                                                                       |
| <b>0608</b>    | --- Môle Nord. Head                    | 43 23·8<br>4 59·1  | VQ R           | 14  | 6         | White tower, red top                             |                                                                                                         |
|                |                                        |                    |                |     |           | 9                                                | *                                                                                                       |
|                |                                        |                    |                |     |           |                                                  | *                                                                                                       |
| <b>1028·62</b> | - Baia Spalmatore Di Terra. Mole. Head | 40 53·3<br>9 41·3  | Fl G 5s        | 6   | 3         | Green post                                       | <i>fl 1</i>                                                                                             |
|                |                                        |                    |                |     |           | 6                                                |                                                                                                         |
| *              | *                                      | *                  | *              | *   | *         | *                                                | *                                                                                                       |
| <b>1734·5</b>  | - Foce Fiume Sele                      | 40 28·6<br>14 55·6 | Fl G 5s        | 11  | 4         | Yellow x on yellow beacon                        | <i>fl 1</i> . Private                                                                                   |
|                |                                        |                    |                |     |           | 6                                                |                                                                                                         |
| *              | *                                      | *                  | *              | *   | *         | *                                                | *                                                                                                       |
| <b>1853·1</b>  | --- Head                               | 37 13·8<br>15 12·0 | 2 F RG(vert)   | 7   | ...       | Red post, green band                             | Private                                                                                                 |
|                |                                        |                    |                |     |           | 2                                                |                                                                                                         |
| *              | *                                      | *                  | *              | *   | *         | *                                                | *                                                                                                       |
| <b>4356·8</b>  | - Boufalos                             | 38 18·2<br>24 07·1 | Fl G 3s        | 7   | 3         | Metal framework with gallery, column, green band | <i>fl 0·3</i>                                                                                           |
|                |                                        |                    |                |     |           |                                                  |                                                                                                         |
| *              | *                                      | *                  | *              | *   | *         | *                                                | *                                                                                                       |
| <b>7505·01</b> | - Barbara T2                           | 44 04·6<br>13 47·0 | Mo(U)W 15s     | ... | 5         | Platform                                         | Private                                                                                                 |
|                |                                        |                    |                |     |           |                                                  |                                                                                                         |
|                |                                        |                    | *              |     | *         | *                                                | *                                                                                                       |
| <b>7518·55</b> | - PCMS 2                               | 44 22·0<br>12 34·7 | Mo(U)W 15s     | ... | 5         | Platform                                         | Private                                                                                                 |
|                |                                        |                    |                |     |           |                                                  |                                                                                                         |
|                |                                        |                    | *              |     | *         | *                                                | *                                                                                                       |

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**Volume F, 2001/02.** Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|                |                                         |                     |            |          |           |                                                           |                                                                                     |          |
|----------------|-----------------------------------------|---------------------|------------|----------|-----------|-----------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| <b>1375</b>    | <b>Pulau Berhala</b>                    | 3 46·6<br>99 29·9   | Fl(4)W 19s | 192      | <b>30</b> | White metal framework<br>12                               | <i>ec 1. TE 2001</i>                                                                | <br>*    |
| <b>1904·3</b>  | -- No 15                                | 1 34·3<br>110 22·0  | Q G        | 7        | ...       | Black and white framework<br>tower                        | Red air obstruction lights on<br>transmission towers 5M SW                          | <br>*    |
| <b>1955·4</b>  | - Off SE point                          | 5 41·9<br>115 40·2  | Fl G 10s   | 8        | 7         | Green tripod<br>8                                         | <b>TE 2001</b>                                                                      | <br>*    |
| <b>*</b>       | <b>*</b>                                | <b>*</b>            | <b>*</b>   | <b>*</b> | <b>*</b>  | <b>*</b>                                                  | <b>*</b>                                                                            | <b>*</b> |
| <b>3338·4</b>  | <b>Guanyin Jiao</b><br>(Kuan-yin Chiao) | 19 34·7<br>109 00·5 | Fl(3)W 9s  | 40       | <b>15</b> | White square stone tower<br>6                             | <b>Fl(3)W 9s 60m 18M on white<br/>round tower, red bands. On trial<br/>(T) 2001</b> | <br>*    |
| <b>3374</b>    | - Ldg Lts 325°06'. Front                | 21 05·8<br>110 33·7 | Iso W 6s   | 19       | 7         | White 6-sided pyramidal<br>stone tower, black bands<br>16 | Vis 210°-120°(270°)                                                                 | <br>*    |
| <b>3679</b>    | <b>Dachahua</b>                         | 28 38·6<br>121 47·2 | Fl W 5s    | 41       | <b>16</b> | White 6-sided stone beacon<br>11                          | Racon. <b>Fl W 5s 10M (T) 2002</b>                                                  | <br>*    |
| <b>4156·48</b> | - Daesan Hang                           | 36 58·8<br>126 18·2 | Fl R 5s    | 12       | 5         | △ on red round concrete<br>tower<br>16                    |                                                                                     | <br>*    |
| <b>4331·55</b> | Daepo Hang. Breakwater                  | 34 42·8<br>128 35·3 | Fl R 4s    | 10       | 5         | Red round concrete tower<br>8                             |                                                                                     | <br>*    |
| <b>*</b>       | <b>*</b>                                | <b>*</b>            | <b>*</b>   | <b>*</b> | <b>*</b>  | <b>*</b>                                                  | <b>*</b>                                                                            | <b>*</b> |
| <b>4692·8</b>  | SHEN-AO WAN<br>- Breakwater. Head       | 25 08·0<br>121 48·9 | Fl(3)R 8s  |          |           |                                                           |                                                                                     | <br>*    |
| <b>5070·25</b> | -                                       | 34 31·2<br>129 18·8 | Fl R       | ...      | 3         |                                                           |                                                                                     | <br>*    |
| <b>*</b>       | <b>*</b>                                | <b>*</b>            | <b>*</b>   | <b>*</b> | <b>*</b>  | <b>*</b>                                                  | <b>*</b>                                                                            | <b>*</b> |
| <b>5070·4</b>  | Myo Se Saki                             | 34 31·2<br>129 18·7 | F W        | 93       | ...       | White concrete column<br>9                                | Illuminates beacon on Myo Se<br>650m NNW                                            | <br>*    |
| <b>5432·95</b> | -                                       | 33 50·7<br>132 39·5 | Mo(N)Y 8s  | 10       | 6         | Yellow × on yellow beacon<br>11                           | Ra refl                                                                             | <br>*    |
| <b>5480·6</b>  | Yoshiumi Kō. Breakwater                 | 34 09·4<br>133 02·0 | Fl R 3s    | 7        | 6         |                                                           |                                                                                     | <br>*    |
| <b>*</b>       | <b>*</b>                                | <b>*</b>            | <b>*</b>   | <b>*</b> | <b>*</b>  | <b>*</b>                                                  | <b>*</b>                                                                            | <b>*</b> |

# V

Volume F *continued.*

|                      |                               |                     |            |    |    |                                                      |                                                                       |
|----------------------|-------------------------------|---------------------|------------|----|----|------------------------------------------------------|-----------------------------------------------------------------------|
| SHIMO KAMAGARI SHIMA |                               |                     |            |    |    |                                                      |                                                                       |
| 5695-9               | -                             | 34 10-2<br>132 39-8 | Fl R 3s    | 8  | 3  |                                                      |                                                                       |
| *                    | *                             |                     | *          | *  | *  |                                                      | *                                                                     |
| 5723-3               | - Itozaki Kō. Approaches      | 34 21-6<br>133 08-3 | Fl(2)G 6s  | 7  | 6  |                                                      |                                                                       |
| *                    | *                             |                     | *          | *  | *  |                                                      | *                                                                     |
| 6427-19              | - E Breakwater                | 35 35-5<br>139 47-4 | Fl R 3s    | 9  | 8  | White tower<br>8                                     |                                                                       |
|                      |                               |                     |            |    | *  |                                                      | *                                                                     |
| 6563-7               | - Oya Kō. Breakwater.<br>Head | 38 49-0<br>141 34-6 | Fl G 3s    | 8  | 3  |                                                      |                                                                       |
| *                    | *                             |                     | *          | *  | *  |                                                      | *                                                                     |
| 6753-4               | -- N                          | 42 21-6<br>140 57-1 | F Y        | 5  | 5  |                                                      |                                                                       |
| *                    | *                             |                     | *          | *  | *  |                                                      | *                                                                     |
| 6753-5               | ---                           | 42 21-6<br>140 57-1 | F Y        | 7  | 5  |                                                      |                                                                       |
| *                    | *                             |                     | *          | *  | *  |                                                      | *                                                                     |
| 7090-8               | -                             | 38 07-8<br>139 20-3 | Mo(U)W 15s | 18 | 10 |                                                      |                                                                       |
|                      | -                             | ...                 | Horn       |    |    |                                                      |                                                                       |
|                      | *                             |                     | *          |    |    |                                                      |                                                                       |
| 7190                 | - Breakwater                  | 37 21-5<br>137 15-0 | Fl G 3s    | 12 | 2  | White tower<br>9                                     |                                                                       |
|                      |                               | *                   |            |    | *  |                                                      |                                                                       |
| 7528-7               | Mys Osipova                   | 42 53-0<br>132 22-3 | Fl Y 5s    | 26 | 3  | Red metal framework tower<br>8                       | <i>fl 0-5.</i> In line with white tower.<br><b>Destroyed (T) 2002</b> |
|                      |                               |                     |            |    |    |                                                      | *                                                                     |
| 7529                 | Bukhta Razboynik              | 42 54-0<br>132 21-5 | Iso G 3s   | 13 | 3  | Red metal 4-sided<br>framework tower<br>3            | In line with white tower                                              |
|                      |                               |                     |            | *  |    | *                                                    | *                                                                     |
| 7613                 | <b>Yakubovskogo</b>           | 44 43-8<br>136 20-2 | Iso R 4s   | 97 | 15 | White square masonry<br>tower, red band<br>7         | Vis 060°-340°(280°).<br>Reserve light 9M                              |
|                      |                               |                     |            |    |    |                                                      | *                                                                     |
| 8120-4               | - Mys Semenova                | 58 59-2<br>163 41-3 | Fl W 6s    | 21 | 7  | Red □ on metal framework<br>tower<br>16              | <i>fl 1.</i> Shown 30/6-15/12                                         |
|                      |                               |                     |            | *  |    | *                                                    | *                                                                     |
| 8120-6               | - Kosa Ossorskaya             | 59 13-0<br>163 16-3 | Fl R 5s    | 17 | 4  | Concrete pyramid tower, red<br>and white bands<br>12 | <i>fl 1.</i> Shown 30/6-15/12                                         |
|                      |                               |                     |            | *  | *  | *                                                    | *                                                                     |

# V

## Volume F *continued.*

|               |                             |                     |          |    |   |                                                           |                                                    |
|---------------|-----------------------------|---------------------|----------|----|---|-----------------------------------------------------------|----------------------------------------------------|
| <b>8120-8</b> | - Mys Paklan                | 59 37:3<br>163 24:5 | LFl W 6s | 35 | 9 | 8-sided stone tower, black and white bands, on base<br>12 | <i>fl</i> 2. Shown 30/6-15/12                      |
|               |                             |                     |          | *  |   | *                                                         | *                                                  |
| <b>8121</b>   | Mys Umalynan                | 59 51:8<br>164 12:6 | Fl R 4s  | 60 | 4 | White 4-sided concrete tower<br>8                         | <i>fl</i> 1-5. Shown 30/6-15/12                    |
|               |                             |                     |          | *  |   | *                                                         | *                                                  |
| <b>8121-2</b> | Uala                        | 59 53:2<br>164 04:0 | Iso W 6s | 24 | 9 | 8-sided stone tower, black and white bands<br>8           | Vis 345°-277°(292°). Shown 30/6-15/12              |
|               |                             |                     |          | *  |   | *                                                         | *                                                  |
| <b>8121-4</b> | - Bukhta Yuzhnaya-Glubokaya | 60 12:8<br>166 51:5 | Fl W 5s  | 40 | 9 | Round stone tower, black and white bands<br>8             | <i>fl</i> 1. Vis 130°-010°(240°). Shown 30/6-15/12 |
|               |                             |                     |          | *  |   | *                                                         | *                                                  |
| <b>8121-6</b> | - Bukhta Lavrova            | 60 19:2<br>167 05:0 | Fl W 4s  | 30 | 9 | Black round stone tower, white band<br>9                  | <i>fl</i> 1. Vis 175°-038°(223°). Shown 30/6-15/12 |
|               |                             |                     |          | *  |   | *                                                         | *                                                  |

## Volume G, 2001/02. Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|                |                  |                     |              |    |     |                       |                             |
|----------------|------------------|---------------------|--------------|----|-----|-----------------------|-----------------------------|
| <b>3125</b>    | - No 17          | 1 49:1<br>78 44:1   | Fl G 5s      | 3  | 5   | Green beacon          | <i>fl</i> 1. <b>TE 2001</b> |
|                |                  |                     |              |    |     |                       | *                           |
| <b>3131-5</b>  | Rio Naya         | 3 14:0<br>77 32:4   | Fl(2)W 10s   | 16 | 12  | Orange tower<br>12    | <b>TE 2001</b>              |
|                |                  |                     |              |    |     |                       | *                           |
| <b>3132-5</b>  | - Isle Margarita | 3 52:6<br>77 04:2   | Fl G 5s      | 2  | 5   | Green tower           | <i>fl</i> 1. <b>TE 2001</b> |
|                |                  |                     |              |    |     |                       | *                           |
| <b>3133-06</b> | - Islalba. No 1  | 3 53:2<br>77 05:6   | Q(9)Y 15s    | 4  | 5   | Orange tower          | <b>TE 2001</b>              |
|                |                  |                     |              |    |     |                       | *                           |
| <b>3133-08</b> | - Aguacate       | 3 53:7<br>77 03:8   | Fl(2+1)G 10s | 3  | 5   | Green tower, red band | <b>TE 2001</b>              |
|                |                  |                     |              |    |     |                       | *                           |
| <b>5964-5</b>  | - Breakwater     | 55 57:8<br>133 37:5 | 3 Fl Y 6s    | 4  | ... | ...                   | Private                     |
|                |                  |                     |              |    |     |                       | *                           |

## Volume H, 2001/02. Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|             |                              |                    |          |     |     |                             |                                 |
|-------------|------------------------------|--------------------|----------|-----|-----|-----------------------------|---------------------------------|
| <b>2162</b> | Rivière du Loup. Wharf. Head | 47 50:9<br>69 34:2 | Iso G 2s | 11  | 7   | Square framework tower<br>9 |                                 |
|             | ---                          | ...                | Whis 30s | ... | ... | ...                         | <i>bl</i> 3. Privately operated |
|             | *                            |                    | *        |     |     |                             | *                               |

# V

Volume H *continued*.

|             |                                     |                    |         |    |           |                             |
|-------------|-------------------------------------|--------------------|---------|----|-----------|-----------------------------|
| <b>2202</b> | <b>Goose Cape</b><br>(Cap-aux-Oles) | 47 29:3<br>70 13:9 | Fl W 5s | 16 | <b>20</b> | Square framework tower<br>9 |
|             |                                     | *                  |         | *  | *         |                             |

**Volume J, 2001/02.** Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|                |                                                      |                    |             |     |           |                                                 |                                                                                                               |
|----------------|------------------------------------------------------|--------------------|-------------|-----|-----------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>0034</b>    | <b>Petit Manan.</b> E point                          | 44 22:1<br>67 51:9 | Fl W 10s    | 37  | <b>19</b> | Grey granite tower<br>36                        | Reserve light reduced intensity                                                                               |
| --             |                                                      | ...                | Horn 30s    | ... | ...       | ...                                             | <i>bl 3</i>                                                                                                   |
|                |                                                      |                    |             |     | *         |                                                 |                                                                                                               |
| <b>0376-5</b>  | <i>Remove from List</i>                              |                    |             |     |           |                                                 |                                                                                                               |
| <b>0738</b>    | - Bartlett Reef. S end                               | 41 16:5<br>72 08:2 | Fl W 6s     | 11  | <b>8</b>  | Red and white chequered ◇<br>on framework tower |                                                                                                               |
| ---            |                                                      | ...                | Horn(2) 60s | ... | ...       | ...                                             | <i>bl 3, si 3, bl 3, si 51</i>                                                                                |
|                |                                                      |                    |             |     | *         |                                                 |                                                                                                               |
| <b>1266</b>    | Fourteen-Foot Bank                                   | 39 02:9<br>75 10:9 | Fl W 9s     | 18  | <b>13</b> | White tower and dwelling,<br>black round base   | <i>fl 3. Vis 151°-332·5°(181·5°)</i>                                                                          |
| -              |                                                      | ...                | LFl R 20s   | 18  | <b>10</b> | Same structure                                  | <i>fl 2, ec 2, fl 2, ec 14.</i><br><i>Vis 332·5°-151°(178·5°) over</i><br><i>Brown and Joe Flogger Shoals</i> |
| -              |                                                      | ...                | Horn 30s    | ... | ...       | ...                                             | <i>bl 3. Sounded 15/3-15/12</i>                                                                               |
|                |                                                      | *                  |             |     |           |                                                 |                                                                                                               |
| <b>4884</b>    | - CANAL DE LA MANUY.<br>No 1                         | 23 08:6<br>81 01:2 | Fl G 3s     | 5   | <b>3</b>  | Green □ on metal beacon                         | <b>TE 2001</b>                                                                                                |
|                |                                                      |                    |             |     |           |                                                 | *                                                                                                             |
| <b>5686</b>    | - Plymouth. Jetty Root                               | 16 42:2<br>62 13:3 | F R         | ... | ...       | Terminal building<br>10                         | Difficult to distinguish. <b>TE 2001</b>                                                                      |
|                |                                                      |                    |             |     |           |                                                 | *                                                                                                             |
| <b>5687</b>    | <i>Remove from List</i>                              |                    |             |     |           |                                                 |                                                                                                               |
| <b>5845</b>    | Hibiscus                                             | 11 07:8<br>61 39:6 | Mo(U) W     | 22  | <b>10</b> | Platform                                        | 2 lights on each corner. Racon                                                                                |
| -              |                                                      | ...                | Horn        | ... | <b>2</b>  |                                                 |                                                                                                               |
| *              | *                                                    | *                  | *           | *   | *         | *                                               | *                                                                                                             |
| <b>6149-5</b>  | - Río León. Entrance                                 | 7 56:1<br>76 44:9  | Fl W 8s     | 13  | <b>14</b> | Framework tower, red and<br>white bands         | <i>fl 0·5. PA</i>                                                                                             |
| *              | *                                                    | *                  | *           | *   | *         | *                                               | *                                                                                                             |
| <b>6166</b>    | - <b>Isla Tierra Bomba</b>                           | 10 20:4<br>75 34:9 | Fl(3)W 7s   | 107 | <b>27</b> | White tower, red bands                          | <b>TE 2001</b>                                                                                                |
|                |                                                      |                    |             |     |           |                                                 | *                                                                                                             |
| <b>6167-6</b>  | - <b>Punta Castillo Grande</b>                       | 10 23:4<br>75 32:7 | Fl(3)W 60s  | 24  | <b>25</b> | Beige concrete tower<br>22                      | <i>(fl 0·5, ec 6·5) x 2, fl 0·5, ec 45·5.</i><br><i>R light on mast 2M NE</i>                                 |
|                |                                                      |                    | *           |     |           |                                                 | *                                                                                                             |
| <b>6167-65</b> | - Isla de Manzanillo. Ldg<br>Lts 000°. 1 ENAP. Front | 10 23:4<br>75 31:8 | Fl Y        | 18  | <b>10</b> | Red tower, white bands                          | <i>Vis 090°-270°(180°)</i>                                                                                    |
|                | *                                                    | *                  | *           |     | *         |                                                 |                                                                                                               |

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Volume J *continued.*

|                |                  |                    |     |    |    |                                                                 |                     |
|----------------|------------------|--------------------|-----|----|----|-----------------------------------------------------------------|---------------------|
| <b>6167-66</b> | --- 2 ENAP. Rear | 10 23-3<br>75 31-8 | Q Y | 22 | 10 | Orange $\triangle$ with black line on<br>red tower, white bands | Vis 090°-270°(180°) |
|                |                  | *                  | *   |    |    | *                                                               |                     |

**Volume K, 2002/03.** Weekly Edition No. 7, Dated 14th February, 2002.

*Last Amendment: Weekly Edition No. 6, dated 7th February, 2002.*

|                 |                        |                     |           |     |            |                                             |                                                                                          |   |
|-----------------|------------------------|---------------------|-----------|-----|------------|---------------------------------------------|------------------------------------------------------------------------------------------|---|
| <b>0986</b>     | -- E side              | 3 00-6<br>106 18-6  | Fl R 5s   | 15  | 10         | Red $\square$ on red beacon<br>12           | <i>fl</i> 0-5. Ra refl                                                                   | * |
| <b>1691-4</b>   | - Fairway No 1         | 20 37-7<br>116 44-1 | Fl W 10s  | 8   | 5          | Red $\circ$ on white beacon, red<br>stripes |                                                                                          | * |
| <b>1691-422</b> | -- No 2                | 20 37-7<br>116 44-2 | Fl(2)R 5s | ... | ...        | Red $\square$ on beacon                     |                                                                                          |   |
| *               | *                      |                     | *         | *   | *          | *                                           |                                                                                          | * |
| <b>1691-423</b> | -- No 3                | 20 37-8<br>116 44-2 | Fl(2)G 5s | ... | ...        | Green $\triangle$ on beacon                 |                                                                                          |   |
| *               | *                      |                     | *         | *   | *          | *                                           |                                                                                          | * |
| <b>1691-424</b> | -- No 4                | 20 37-8<br>116 44-5 | Fl R 3s   | ... | ...        | Red $\square$ on beacon                     |                                                                                          |   |
| *               | *                      |                     | *         | *   | *          | *                                           |                                                                                          | * |
| <b>1691-425</b> | -- No 5                | 20 37-9<br>116 44-6 | Fl G 3s   | ... | ...        | Green $\triangle$ on beacon                 |                                                                                          |   |
| *               | *                      |                     | *         | *   | *          | *                                           |                                                                                          | * |
| <b>1691-428</b> | -- No 8                | 20 37-7<br>116 44-7 | Fl R 3s   | ... | ...        | Red $\square$ on beacon                     |                                                                                          |   |
| *               | *                      |                     | *         | *   | *          | *                                           |                                                                                          | * |
| <b>3118</b>     | - Pipeline             | 19 09-2<br>146 38-2 | Q(2)W 4s  | 5   |            |                                             |                                                                                          |   |
|                 |                        |                     | *         |     |            |                                             |                                                                                          |   |
| <b>3128-11</b>  | --- Dolphin. Off E end | 18 31-4<br>146 19-9 | Q G       | ... | ...        | Dolphin                                     |                                                                                          |   |
| *               | *                      |                     | *         | *   | *          | *                                           |                                                                                          | * |
| <b>3429</b>     | Veale Reef             | 9 11-9<br>149 28-7  | Fl W 2-5s | 9   | 11         | White column<br>12                          | <i>fl</i> 0-5                                                                            | * |
| <b>3512</b>     | - Mait Island          | 2 59-6<br>150 44-7  | Fl W 10s  | 79  | 10         | White framework tower<br>19                 | <i>fl</i> 1. Vis 265°-205°(300°)                                                         | * |
| <b>3899-1</b>   | North Rock             | 37 37-4<br>176 10-5 | Fl WR 3s  | 11  | W 3<br>R 2 | Red metal column, concrete<br>base<br>5     | <i>fl</i> 0-3. W003°-273°(270°),<br>R273°-003°(90°). R lights on radio<br>mast 0-77M SSE | * |

# V

Volume K *continued.*

|               |                                    |                                |     |                   |                                           |                                                                                                                                                                                                                                                      |
|---------------|------------------------------------|--------------------------------|-----|-------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3899·4</b> | No 1 Reach. Ldg Lts<br>209°. Front | 37 38·0 F G<br>176 09·5        | 11  | ...               | White ☞, black stripe<br>13               | Neon ☐                                                                                                                                                                                                                                               |
|               | --- Dir Lt 298·25°                 | ... Dir WRG                    | 12  | ...               | Same structure                            | F G 292·5°-293°(0·5°),<br>Al WG 293°-298°(5°)<br>W phase increasing with bearing,<br>F W 298°-298·5°(0·5°),<br>Al WR 298·5°-303·5°(5°)<br>R phase increasing with bearing,<br>F R 303·5°-305·5°(2°),<br>Iso R 3s 305·5°-307·5°(2°).<br>Intens by day |
|               | -- Dir Lt                          | ... Dir WRG                    | 12  | W 6<br>R 4<br>G 4 | Same structure                            | <b>(P) 2002.</b><br><b>To cover channel seawards</b><br><b>towards 'A' Buoy.</b><br><b>Operated on request during</b><br><b>reduced visibility</b>                                                                                                   |
|               | *                                  | *                              | *   | *                 | *                                         | *                                                                                                                                                                                                                                                    |
| <b>3904·2</b> | <i>Remove from List</i>            |                                |     |                   |                                           |                                                                                                                                                                                                                                                      |
| <b>4246</b>   | <b>The Brothers</b><br>(M)         | 41 06·2 Fl W 10s<br>174 26·5   | 79  | <b>19</b>         | White wooden tower<br>12                  | Reserve light 10M.<br><b>Reduced range (T) 2002</b>                                                                                                                                                                                                  |
|               | -                                  | ... Fl R 10s                   | 70  | 10                | Same structure                            | Vis 164·5°-169·5°(5°) over Cook<br>Rock but obscured within 0·8M.<br><b>Reduced range (T) 2002</b>                                                                                                                                                   |
|               | -                                  | ... Fl R 10s                   | ... | 10                | Same structure                            | Vis 008°-014°(6°) over Awash<br>Rocks. Reserve light 9M.<br><b>Reduced range (T) 2002</b><br>*                                                                                                                                                       |
| <b>4389·2</b> | <i>Remove from List</i>            |                                |     |                   |                                           |                                                                                                                                                                                                                                                      |
| <b>4748</b>   | - NE point. <b>Udu Point</b>       | 16 07·4 Fl(2)W 25s<br>179 57·0 | 49  | <b>17</b>         | White 6-sided tower<br>concrete base<br>6 | <b>TE 2002</b><br><br>*                                                                                                                                                                                                                              |

# VI

## AMENDMENTS TO ADMIRALTY LIST OF RADIO SIGNALS

Weekly Edition No. 7 dated 14 February 2002

### VOLUME 1, 2001/02—PART 1

Published Wk 31/01

(Last Amendments: Weekly Edition No. 6 dated 7 February 2002)

Page 163, **MALTA, Malta (9HD)**, delete sections, 4. WT (MF) and 5. WT (HF)

Malta Maritime Authority (HH080/010/09 - E24) 7/02

### VOLUME 2, 2002/03

Published Wk 6/02

(Last Amendments: Weekly Edition No. 6 dated 7 February 2002)

### RADAR BEACONS

**78250 Khowr-e-Mūsá, Approach Lt Bn No 9**

Delete station and replace by:

**Khowr-e-Mūsá, Approach Lt Buoy No 9 Racon** 29°54'·93N 49°09'·73E **78250**  
(3 & 10 cm) **M**

Iranian Notice 1/02 (HH496/400/05 - E44) 7/02

### VOLUME 3, 2001/02—PART 1

Published Wk 24/01

(Last Amendments: Weekly Edition No. 5 dated 31 January 2002)

### RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS

Page 116, **GERMANY**, insert station:

| Kiel Mail (DAO) |         |           |       |     |
|-----------------|---------|-----------|-------|-----|
| <b>A</b>        | 2630    | PACTOR II | DAO2  | H24 |
| <b>A</b>        | 2848    | PACTOR II |       | H24 |
| <b>A</b>        | 4244    | PACTOR II | DAO4  | H24 |
| <b>A</b>        | 4265    | PACTOR II |       | H24 |
| <b>A</b>        | 8511·9  | PACTOR II |       | H24 |
| <b>A</b>        | 8638·5  | PACTOR II | DAO8  | H24 |
| <b>A</b>        | 12763·5 | PACTOR II | DAO12 | H24 |
| <b>A</b>        | 12832·5 | PACTOR II |       | H24 |
| <b>A</b>        | 16980·4 | PACTOR II |       | H24 |
| <b>A</b>        | 17048   | PACTOR II | DAO17 | H24 |

NOTE: The above listed frequencies are carriers. To work with a PACTOR modem it will be necessary to subtract 1·3 kHz.

Continued on next page

## VI

| Weather Bulletins |                                                                                                                                                                                             | Navigational Warnings |  |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--|
| A: On request     | On connection to Kiel Mail local webserver, weather information, bulletins, weather faxes, Meteo France weather service and weather routing services. Use direct IP address 192.168.87.100. |                       |  |

Kiel Radio and German Notice 2/02 (HH080/003/12 - E10) 7/02

Page 183, **MALTA, Malta (9HD)**

Delete station and replace by:

| Malta (9HD) |       |         |  |
|-------------|-------|---------|--|
| A           | 2625  | RT (MF) |  |
| A           | Ch 04 | VHF     |  |

| Weather Bulletins                                      |                                                                                                  | Navigational Warnings |                                                                                                                                                      |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| A: On receipt<br>At the end of the next silence period | <b>Storm Warnings:</b> Gale warnings for coastal waters of Malta up to 50 n miles offshore       | A: 1003 1603 2103     | Local and NAVAREA III warnings for central Mediterranean up to 10 days old are broadcast Mon-Sat<br>All warnings still in force are broadcast on Sun |
| A: 0603 1003 1603 2103                                 | Gale warnings, synopsis, 12 hour forecast for coastal waters of Malta up to 50 n miles offshore. |                       |                                                                                                                                                      |

Weather forecast and Traffic List broadcasts precede all transmissions

Malta Maritime Authority (HH080/010/09 - E24) 7/02

### VOLUME 5, 2001/02

Published Wk 31/01

(Last Amendments: Weekly Edition No. 5 dated 31 January 2002)

Page 290, **Chapter 17: DISTRESS, SEARCH AND RESCUE, CYPRUS**, contacts table, delete and replace by:

|                       | Telephone +357                      | Telex +605  | Fax +357  | Others                                                                                                                |
|-----------------------|-------------------------------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------|
| RCC LARNACA           | 2430 4723<br>2430 4737<br>2430 4752 | 4158 RCC CY | 2464 3254 | Inmarsat-C 421099999 (AOR-E)<br>Inmarsat-B Tel: 321099990 (AOR-E)<br>Fax: 321099991 (AOR-E)<br>Tlx: 321099992 (AOR-E) |
| BRITISH FORCES CYPRUS | 5 963081 / 2 / 6<br>5 211286        | 2335 RAF CY | 5 962261  |                                                                                                                       |

www.SARContacts.com (HH080/083/05 - E10) 7/02

Page 297, **GREENLAND (Denmark)**, contacts table, delete and replace by:

|                | Telephone +299             | Telex +503   | Fax +299 | Others                                                            |
|----------------|----------------------------|--------------|----------|-------------------------------------------------------------------|
| MRCC GRØNNEDAL | 691911<br>691955<br>691115 | 90502 GLK GD | 691949   | Inmarsat-C 433108810 (AOR-W)<br>Inmarsat-B Tlx: 333108823 (AOR-W) |
|                | e-mail: mrcc@glk.gl        |              |          |                                                                   |

www.SARContacts.com (HH080/084/04 - E6) 7/02

# VI

## VOLUME 6, 2001/02—PART 3

Published Wk 41/01

(Last Amendments: Weekly Edition No. 6 dated 7 February 2002)

Page 7, **ANGOLA**

Insert new entry:

### **CANUKU TERMINAL**

7°06'S 12°28'E

#### **Pilots and Terminal**

CALL: Canuku Terminal or Ocean Producer

TELEPHONE: Inmarsat: +871 363699531 & 363699745

FAX: Inmarsat: +871 363699532

E-MAIL: ocean.producer@oceaneering.mnetgms.com

FREQUENCY: Ch 16 68  
8284.4 kHz

HOURS: H24

#### **PROCEDURE:**

(1) Pilotage is compulsory.

(2) Vessels are requested to report ETA 48h before arrival, and to confirm 24h before arrival or at any time if ETA changes more than 2h.

(3) Berthing will be during daylight hours only. Unberthing may take place in hours of darkness by agreement between the FPSO, Export Vessel and Loading Masters.

(4) On arrival vessels may be directed to anchor in a position 3 n miles NE of the FPSO.

(5) The Mooring and Loading Master boards 2.5 n miles NE of the terminal.

NOTE: Terminal is operated by Sonangol P & P.

FPSO Ocean Producer (HH447/180/07 - E27) 7/02

Page 31, **CROATIA, MALINSKA, Otok Krk**

Delete **Pilots** and replace by:

#### **Pilots**

#### **PROCEDURE:**

(1) Pilotage is compulsory for vessels over 500 GT.

(2) Pilots are provided by Croatia Pilots d.o.o - RIJEKA.

Croatia Pilots d.o.o. (HH080/010/09 - E23) 7/02

## VOLUME 6, 2001/02—PART 5

Published Wk 41/01

(Last Amendments: Weekly Edition No. 6 dated 7 February 2002)

Page 23, **BRAZIL, SALINOPOLIS**

**Pilots**, PROCEDURE, section (3) (a) (i), line 1, delete 0°29'58S 47°23'05W and replace by:

0°29'4S 47°22'5W

7/02

Delete section (b) and replace by:

(b) Rio Amazonas:

(i) 1°13'0N 49°34'5W (in the vicinity of the Approach Lt buoy)

(ii) 0°03'75S 51°06'73W

(iii) 0°29'4S 47°22'5W (approximately 7.5 n miles NNW of Salinopolis Lt)

UKHO Charts 397 and 2189 7/02

Page 197, **UNITED STATES (Atlantic Coast), CHESAPEAKE BAY**

**Pilots**, (2) **Virginia Pilots**, delete E-MAIL and replace by:

E-MAIL: dispatch@vapilotassn.com

Virginia Pilots 7/02

## VOLUME 8, 2001/02

Published Wk 12/01

(Last Amendments: Weekly Edition No. 1 dated 3 January 2002)

Page 46, **Germany (Baltic Coast)**, Wustrow Lt, in column **tx rate (in bps)**, delete 200 and replace by: 100

Page 47, **Germany (North Sea Coast)**, Düne (Helgoland), in column **tx rate (in bps)**, delete 200 and replace by: 100

German corrections to Sailing Directions 4/02 (HH080/060/12 - E38) 7/02

## **HYDROGRAPHIC NOTE**

(for instructions, see overleaf)

Date .....

Ref. No. ....

---

Name of ship or sender: .....

Address of sender: .....

.....

.....

Tel/Fax/Telex No./ e-mail address of sender (if appropriate): .....

General locality .....

Subject .....

Position. Lat ..... Long .....

British Admiralty Charts affected ..... Edition dated .....

Position fixing system used ..... Datum set .....

Latest Weekly Edition of Notice to Mariners held .....

Publications affected (Edition No., ..... date of latest supplement, page and Light List No. etc.)

.....

Details:—

A replacement copy of Chart No ..... is required, but see 4 overleaf.

Signature of observer/reporter .....

# HYDROGRAPHIC NOTE

## Forwarding information for British Admiralty Charts and Hydrographic Publications

### INSTRUCTIONS:—

1. Mariners are requested to notify the Hydrographer of the Navy, UK Hydrographic Office, Admiralty Way, Taunton, Somerset, TA1 2DN, United Kingdom, when new or suspected dangers to navigation are discovered, changes observed in aids to navigation, or corrections to publications seen to be necessary. The Mariner's Handbook (NP 100) Chapter 8 gives general instructions. 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 UK Hydrographic Office at the above address or principal Chart Agents (see Annual Notice to Mariners No. 2).
3. When a **position** is defined by sextant angles or bearings (true or magnetic being specified) more than two should be used in order to provide a check. Distances observed by radar and the readings of Loran, Decca, etc., should be quoted.  
Latitude and longitude should only be used specifically to position the details when they have been fixed by astronomical observations or GPS and a full description of the method, equipment and datum (where applicable) used should be given.
4. 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.
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. Modern **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 navigational aids 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. **Port information** should be forwarded on Form H.102a together with Form H.102. Form H.102a lists the information required for Admiralty Sailing Directions and should be used as an *aide memoire*. Where there is insufficient space on the form an additional sheet should be used.
10. Reports on **ocean currents** should be made on Form H.568 (Sea surface current observations) in accordance with The Mariner's Handbook. This form is obtainable from the UK Hydrographic Office, Taunton, or principal Chart Agents.

*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. 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. 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)

Name of ship or sender: .....

Address: .....

Ref. No. ....

.....

Date: .....

.....

|                                                                                                                                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. NAME OF PORT                                                                                                                                                                                                                              |  |
| 2. GENERAL REMARKS<br><br>Principal activities and trade.<br>Latest population figures and date.<br><br>Number of ships or tonnage<br>handled per year.<br><br>Maximum size of vessel handled.<br><br>Copy of Port Handbook<br>if available. |  |
| 3. ANCHORAGES<br><br>Designation, depths, holding ground,<br>shelter afforded.                                                                                                                                                               |  |
| 4. PILOTAGE<br><br>Authority for requests.<br>Embarkation position.<br>Regulations.                                                                                                                                                          |  |
| 5. DIRECTIONS<br><br>Entry and berthing information.<br>Tidal Streams.<br>Navigational aids.                                                                                                                                                 |  |
| 6. TUGS<br><br>Number available and<br>max. hp.                                                                                                                                                                                              |  |
| 7. WHARVES<br><br>Names, numbers or positions.<br>Lengths.<br>Depths alongside.<br>Heights above Chart Datum.<br>Facilities available.                                                                                                       |  |
| 8. CARGO HANDLING<br><br>Containers, lighters,<br>Ro-Ro etc.                                                                                                                                                                                 |  |

|                                                                                                                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>9. CRANES</p> <p>Brief details and max. capacity.</p>                                                                                                                                                |  |
| <p>10. REPAIRS</p> <p>Hull, machinery and underwater.<br/>Ship and boat yards.<br/>Docking or slipping facilities.<br/>Give size of vessels handled or dimensions.<br/>Hards and ramps.<br/>Divers.</p> |  |
| <p>11. RESCUE AND DISTRESS</p> <p>Salvage, lifeboat, Coastguard, etc.</p>                                                                                                                               |  |
| <p>12. SUPPLIES</p> <p>Fuel with type and quantities available.<br/>Fresh water with rate of supply.<br/>Provisions .</p>                                                                               |  |
| <p>13. SERVICES</p> <p>Medical.<br/>De-ratting.<br/>Consuls.<br/>Ship chandlery, compass adjustment, tank cleaning, hull painting.</p>                                                                  |  |
| <p>14. COMMUNICATIONS</p> <p>Road, rail and air services available.<br/>Nearest airport or airfield.<br/>Port radio and information service with frequencies and hours of operating.</p>                |  |
| <p>15. PORT AUTHORITY</p> <p>Designation, address and telephone number.</p>                                                                                                                             |  |
| <p>16. SMALL CRAFT FACILITIES</p> <p>Information and facilities for small craft (eg yachts) visiting the port.<br/>Yacht Clubs, berths, etc.</p>                                                        |  |
| <p>17 VIEWS</p> <p>Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour, etc.<br/>Picture postcards may also be useful.</p>                                      |  |

Signature of observer/reporter .....