



ADMIRALTY NOTICES TO MARINERS

Weekly Edition 39

27 September 2001

CONTENTS

- I** Explanatory Notes. Indexes to Section II
 - II** Admiralty Notices to Mariners. Updates to Standard Navigational Charts
 - III** Reprints of Radio Navigational Warnings
 - V** Amendments to Admiralty Lists of Lights and Fog Signals
 - VI** Amendments to Admiralty List of Radio Signals
-

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:

Notices to Mariners Website	Web: www.ukho.gov.uk
Urgent navigational information:	Fax: +44(0)1823 322352 Telex: 46464 Phone: +44(0)1823 723315 e-mail: rnw@gtnet.gov.uk e-mail: rnwuser@ukhornw.u-net.com
Other navigational information:	e-mail: hdcfiles@ukho.gov.uk
General enquiries:	e-mail: generalenquiries@ukho.gov.uk
General Website	Web: www.ukho.gov.uk
Other matters:	Fax: +44(0)1823 284077 Telex: 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).

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

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

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.

I

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.

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.

I

- 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).

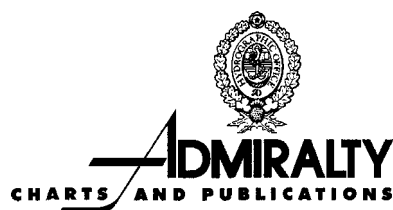
Help-Line

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



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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.

GEOGRAPHICAL INDEX

(1)	Admiralty Publications and Miscellaneous	2.1 – 2.9
(2)	British Isles	2.9 – 2.10
(3)	North Russia, Norway, The Faeroe Islands and Iceland	2.10
(4)	Baltic Sea	2.11
(5)	North Sea and North and West Coasts of Denmark, Germany, Netherlands and Belgium	2.11
(6)	France and Spain, North and West Coasts, and Portugal	2.11
(7)	North Atlantic Ocean	
(8)	Mediterranean and Black Seas	2.12 – 2.13
(9)	Africa, West Coast and South Atlantic	2.13
(10)	Africa, South and East Coasts, and Madagascar	
(11)	Red Sea, Arabia, Iraq and Iran	2.14
(12)	Indian Ocean, Pakistan, India, Sri Lanka, Bangladesh and Burma	2.15
(13)	Malacca Strait, Singapore Strait and Sumatra	2.15
(14)	China Sea with its West Shore and China	2.15 – 2.16
(15)	Japan	2.17
(16)	Korea and the Pacific Coasts of Russia	2.17
(17)	Philippine Islands, Borneo and Indonesia except Sumatra	
(18)	Australia and Papua New Guinea	2.17
(19)	New Zealand	
(20)	Pacific Ocean	2.17
(21)	Aleutian Islands, Alaska and West Coast of North America including Mexico	2.18
(22)	West Coasts of Central and South America	2.18 – 2.19
(23)	Antarctica	
(24)	East Coast of South America and the Falkland Islands	2.19
(25)	Caribbean Sea, West Indies and the Gulf of Mexico	2.19 – 2.21
(26)	East Coast of North America and Greenland	2.21 – 2.22
(27)	T & P Notices	2.23 – 2.24

I

INDEX OF NOTICES AND CHART FOLIOS

Notice No.	Page	Admiralty Chart Folio	Notice No.	Page	Admiralty Chart Folio
PL	2.1	1, 3, 25, 26, 45, 70, 92	3869	2.17	54
3826*	2.9	1	3870	2.17	55
3827	2.17	65	3871	2.17	55
3828	2.17	70	3872	2.17	52
3829*	2.10	7	3873	2.17	52
3830*	2.10	6	3874	2.17	52
3831*	2.10	6	3875	2.17	68
3832*	2.10	5, 6, 19	3876	2.18	56, 92
3833*	2.10	1	3877	2.18	89
3834	2.10	15	3878	2.18	90
3835	2.11	10	3879	2.18	90
3836	2.11	10	3880*	2.18	83, 85, 88
3837	2.11	9	3881	2.19	89
3838	2.11	9	3882	2.19	96
3839	2.11	17	3883	2.19	95
3840	2.11	18	3884	2.19	85
3841	2.11	18	3885	2.19	86
3842	2.12	25	3886	2.19	83
3843	2.12	26	3887	2.20	83
3844	2.12	27	3888	2.20	83
3845	2.12	28	3889	2.20	83
3846	2.12	29	3890	2.20	83
3847	2.12	31	3891	2.20	83
3848	2.12	31	3892	2.20	83
3849	2.13	31	3893	2.20	83
3850	2.13	31	3894	2.20	83
3851*	2.13	34	3895	2.21	83
3852*	2.1	34	3896	2.21	83
3853*	2.14	32	3897	2.21	83
3854	2.14	32	3898	2.21	83
3855	2.14	32	3899	2.21	83
3856	2.14	32	3900	2.21	83
3857*	2.15	36	3901	2.21	83
3858	2.15	43	3902	2.21	81
3859	2.15	43	3903	2.22	81
3860	2.15	45	3904	2.22	81
3861	2.15	46	3905	2.22	81
3862*	2.15	47	3906	2.22	81
3863*	2.16	50	3907(P)/01	2.23	6
3864	2.16	50	3908(P)/01	2.23	14
3865	2.16	50	3909(T)/01	2.23	34, 35
3866	2.16	50, 53	3910(P)/01	2.24	36
3867	2.16	52	3911	2.9	3, 45, 68, 70, 91, 92
3868	2.16	52			

INDEX OF CHARTS AFFECTED

('PL' indicates chart appears in List of Admiralty Publications immediately following this index)

Admiralty Chart No.	Notices	Admiralty Chart No.	Notices
2	3832	1967	3833
6	3854	1977	PL
30	3833	1978	PL
115	3830	1998	PL
119	PL	1999	PL
123	3859	2011	PL
131	3843	2045	PL
157	3855	2063	3858
164	3855	2091	3909T
171	3855	2106	3835
200	3844	2117	3835
213	3830	2126	3911
233	3853	2145	3884
381	3828	2175	3826
396	3880	2200	3848
397	3883	2220	3911
441	3911	2221	3911
460	3855	2286	3847
478	3885	2412	3866
574	3858	2430	3911
590	3877	2431	PL
605	3880	2462	PL
722	3857, 3910P	2491	3911
740	3857	2548	3841
742	3857	2556	3911
780	PL	2570	PL
781	PL	2587	3911
785	PL	2598	3911
814	3859	2603	3906
898	3874	2611	3826
929	3836	2615	PL
936	3875	2760	3861
1041	3845	2779	3861
1127	3832	2807	3903
1139	3880	2810	3902
1194	3842	2812	3851
1218	3880	2813	3905
1232	3909T	2814	3905
1233	3907P	2839	3879
1247	PL	2907	3875
1252	PL	2910	3839
1253	3867	2916	3839
1261	3862	2954	3854
1275	3850	2962	3908P
1304	3870	2992	PL
1357	3852	3026	3863
1358	3860	3095	3878
1381	3851	3107	3882
1402	3837	3153	3869
1409	3830	3182	3908P
1413	PL	3183	3888
1464	PL	3184	3886, 3897
1499	3911	3186	3889, 3900, 3898, 3899
1500	3876	3187	3890, 3898, 3899
1504	3829	3188	3891
1532	3846	3190	3893, 3901
1543	3829	3192	3892
1610	3829	3268	3838
1754	3864	3297	3831
1759	3865	3298	3831
1761	3866	3317	3849
1764	3840	3378	3868
1768	3840	3391	3873
1813	3871	3557	3834
1862	3852	3642	3872
1863	3852	3686	3904
1866	PL	3784	3854
1901	3833	3833	PL
1926	3856	3841	3895
1932	3881	3848	3896
1953	PL	3854	3887

INDEX OF CHARTS AFFECTED

('PL' indicates chart appears in List of Admiralty Publications immediately following this index)

Admiralty Chart No.	Notices	Admiralty Chart No.	Notices
3858 3947 3986 3987 4030 4031 4032 4033 4102 4146 4632 4633 4810 4813 4970 4971 4972 5502	3894 3860 3862 3862 PL PL PL PL 3832 3909T 3911 3911 3876 3876 PL PL PL PL		
Australian Chart No.	Notices		
Aus 158	3827		
International Chart No.	Notices		
INT 102 INT 160 INT 810 INT 813 INT 1065 INT 1300 INT 1303 INT 1455 INT 1503 INT 1504 INT 1510 INT 1511 INT 1530 INT 1531 INT 1722 INT 1726 INT 3165 INT 5360 INT 5364 INT 7006 INT 7741 INT 7742	3832 3832 3876 3876 3832 3837 3835 3838 3830 3830 3829 3829 3831 3831 3833 3826 3842 3873 3872 3855 3857 3857		

II

[39/01]

ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW ADMIRALTY CHARTS AND PUBLICATIONS

Admiralty Charts published 27 September 2001

Chart	Title, limits and other remarks	Scale	Folio	Catalogue page	RRP(UK)*
⊙4030	Port of Singapore, West Jurong Anchorages and Fairways. 1°11'·05N. — 1°17'·00N., 103°36'·70E. — 103°40'·70E. <i>Part of a new series of large scale charts published jointly by UKHO and Maritime and Port Authority of Singapore. This chart includes changes to fairways, channels and anchorage areas that come into effect on 1 October 2001. New survey information and changes to reclamation limits have also been included.</i> <i>Note: On publication of this New Chart Former Notice 1306(P)/01 is cancelled.</i>	1:10,000	45	64	£16·00
⊙4031	Port of Singapore, South Jurong Island and its Approaches. 1°10'·15N. — 1°16'·12N., 103°38'·50E. — 103°42'·53E. <i>Part of a new series of large scale charts published jointly by UKHO and Maritime and Port Authority of Singapore. This chart includes changes to fairways, channels and anchorage areas that come into effect on 1 October 2001. New survey information and changes to reclamation limits have also been included.</i>	1:10,000	45	64	£16·00
⊙4032	Port of Singapore, Sinki Fairway. 1°12'·25N. — 1°16'·30N., 103°40'·20E. — 103°46'·13E. <i>Part of a new series of large scale charts published jointly by UKHO and Maritime and Port Authority of Singapore. This chart includes new survey information and revised reclamation limits.</i>	1:10,000	45	64	£16·00
⊙4033	Port of Singapore, Tuas Bay, West Jurong Channel and Pesek Basin. 1°15'·00N. — 1°19'·05N., 103°36'·80E. — 103°42'·70E. <i>Part of a new series of large scale charts published jointly by UKHO and Maritime and Port Authority of Singapore. This chart includes changes to fairways, channels and anchorage areas that come into effect on 1 October 2001. New survey information and changes to reclamation limits have also been included.</i>	1:10,000	45	64	£16·00

*RRP(UK) means UK recommended retail price.

⊙ denotes chart available in the ARCS series.

II

ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW ADMIRALTY CHARTS AND PUBLICATIONS

Admiralty Charts published 27 September 2001 (continued)

Chart	Title, limits and other remarks	Scale	Folio	Catalogue page	RRP(UK)*
⊙4970	United States, Alaska - Southeast Coast, Stephens Passage to Cross Sound including Lynn Canal. 57°44'·00N. — 59°10'·00N., 133°10'·20W. — 137°00'·08W. Ⓐ Continuation of Lynn Canal. 59°04'·00N. — 59°30'·00N., 135°10'·05W. — 135°35'·10W. 1:209,978 Ⓑ Continuation of Glacier Bay. 58°48'·48N. — 59°06'·01N., 136°54'·68W. — 137°09'·65W. 1:209,978 <i>A modified reproduction of US Chart 17300 originally published by the Office of Coast Survey, USA. One of three new charts providing improved coverage in southeast Alaska. (Replaces existing charts 2462 and 2431).</i>	1:209,978	92	104	£16·00
⊙4971	United States, Alaska - Southeast Coast, Coronation Island to Lisianski Strait. 55°47'·00N. — 57°52'·00N., 133°55'·10W. — 136°38'·00W. <i>A modified reproduction of US Chart 17320 originally published by the Office of Coast Survey, USA. One of three new charts providing improved coverage in southeast Alaska. (Replaces existing charts 2462 and 2431).</i>	1:217,828	92	104	£16·00
⊙4972	United States, Alaska - Southeast Coast, Etolin Island to Midway Islands including Sumner Strait. 55°47'·00N. — 57°52'·00N., 131°39'·00W. — 134°22'·13W. <i>A modified reproduction of US Chart 17360 originally published by the Office of Coast Survey, USA. One of three new charts providing improved coverage in southeast Alaska. (Replaces existing charts 2462 and 2431).</i>	1:217,828	92	104	£16·00

NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

Admiralty Charts published 27 September 2001

Chart	Title and other remarks	Scale	Folio	Catalogue page	RRP(UK)*
⊙119	Italy - West Coast, Approaches to Livorno. Livorno. <i>Includes changes to the Traffic Separation Scheme in the approaches to Livorno, and also an area where obstructions have been placed on the seabed to discourage illegal trawl fishing.</i> <i>Note: On publication of this New Edition Former Notice 2569(P)/01 is cancelled.</i>	1:40,000 1:10,000	26	40	£16·00

*RRP(UK) means UK recommended retail price.

⊙ denotes chart available in the ARCS series.

ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

Admiralty Charts published 27 September 2001 (continued)

Chart	Title and other remarks	Scale	Folio	Catalogue page	RRP(UK)*
⊙1866	Scotland - West Coast, Ports in the Firth of Clyde. (A) Ardrossan. (B) Irvine. (C) Troon. (D) Girvan. (E) Ayr. <i>Includes amendments to depths at Ardrossan and Ayr and port development with associated dredging at Troon. The horizontal datum of this new edition has been transferred to a WGS 84 compatible datum (Former Notice 4672(P)/99 refers).</i>	1:7,500 1:10,000 1:6,250 1:6,250 1:10,000	3	26	£16·00
⊙1998	Mediterranean Sea, France and Italy, Nice to Livorno including Gulf of Genoa. <i>This partial new edition is limited to include the Traffic Separation Scheme in the approaches to Livorno and the areas between Livorno and Promontino di Piombino where obstructions have been placed on the seabed to discourage illegal trawl fishing.</i>	1:300,000	26	40	£16·00
⊙1999	Mediterranean Sea, Livorno to Civitavecchia including Northern Corse. <i>This partial new edition is limited to include the Traffic Separation Scheme in the approaches to Livorno and the areas between Livorno and Promontino di Piombino where obstructions have been placed on the seabed to discourage illegal trawl fishing.</i>	1:300,000	25	40	£16·00
⊙2045	England - South Coast, Outer Approaches to the Solent. <i>Includes changes to depths, buoyage and dredging areas. Details of firing practice area limits are also included.</i>	1:75,000	1	20	£16·00
⊙2615	England - South Coast, Bill of Portland to The Needles. <i>Includes changes to depths and dredging areas. Details of firing practice area limits are also included.</i>	1:75,000	1	20	£16·00

*RRP(UK) means UK recommended retail price.

⊙ denotes chart available in the ARCS series.

ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

ADMIRALTY CHARTS TO BE PUBLISHED 25 OCTOBER 2001

New Editions of Admiralty Charts

Chart	Title and other remarks	Scale	Charts to be WITHDRAWN
1413	Wales - Anglesey, Approaches to Holyhead. <i>This partial new edition is limited to the transfer of the horizontal datum to a WGS 84 compatible datum (former Notice 4672(P)/99 refers).</i>	1:25,000	1413
1464	Wales - North Coast, Menai Strait. The Swellies. <i>This partial new edition is limited to the transfer of the horizontal datum to a WGS 84 compatible datum (former Notice 4672(P)/99 refers).</i>	1:25,000 1:10,000	1464
1953	England and Wales, Approaches to the River Dee. 53°16'·39N. — 53°26'·50N., 3°10'·08W. — 3°34'·84W. Ⓐ Port of Mostyn. 53°19'·06N. — 57°21'·02N., 3°15'·07W. — 3°16'·57W. <i>Includes the latest British Government, Mostyn Docks, Trinity House surveys and new approach channels and works at Mostyn Docks. The limits of this chart have been amended. The limits of plan Mostyn Docks have been extended to include the new inner channel and associated buoyage. The horizontal datum of this new edition has been transferred to a WGS 84 compatible datum (former Notice 4672(P)/99 refers).</i>	1:25,000 1:12,500	1953
1977	Wales - North Coast, Holyhead to Great Ormes Head. <i>This partial new edition is limited to the transfer of the horizontal datum to a WGS 84 compatible datum (former Notice 4672(P)/99 refers) and the inclusion of the latest British Government survey north of Anglesey.</i>	1:75,000	1977
1978	England and Wales, Great Ormes Head to Liverpool. <i>This partial new edition is limited to the transfer of the horizontal datum to a WGS 84 compatible datum (former Notice 4672(P)/99 refers) and the inclusion of the new approach channel to Mostyn.</i>	1:75,000	1978
2011	Wales - Anglesey, Holyhead Harbour. <i>This partial new edition is limited to the transfer of the horizontal datum to a WGS 84 compatible datum (former Notice 4672(P)/99 refers) and the inclusion of developments at Holyhead Marina.</i>	1:6250	2011

*RRP(UK) means UK recommended retail price.

Ⓞ denotes chart available in the ARCS series.

REVISED PUBLICATION DATES
New Editions Admiralty Charts

<i>Chart</i>	<i>Previously announced Publication Date</i>	<i>Revised Publication Date</i>	<i>Remarks</i>	<i>Charts to be WITHDRAWN</i>
2570	11/10/01	8/11/01	Publication of this chart has been delayed to include later port developments and surveys.	2570
3833	11/10/01	8/11/01	Publication of this chart has been delayed to include later port developments and surveys.	3833
5502	11/10/01	8/11/01	Publication of this chart has been delayed to include later port developments and surveys.	5502

ADMIRALTY CHARTS AND PUBLICATIONS PERMANENTLY WITHDRAWN**Admiralty Charts**

<i>Chart to be WITHDRAWN</i>	<i>Main Title</i>	<i>On publication of New Chart/New Edition</i>
119	Italy - West Coast, Approaches to Livorno.	⊙119
780	Malaysia and Singapore, Approaches to Tuas.	⊙4030, ⊙4031, ⊙4032, ⊙4033
781	Singapore, Approaches to Jurong Port.	⊙4030, ⊙4031, ⊙4032, ⊙4033
785	Singapore, Selat Sinki.	⊙4030, ⊙4031, ⊙4032, ⊙4033
1866	Scotland - West Coast, Ports in the Firth of Clyde.	⊙1866
1998	Mediterranean Sea, France and Italy, Nice to Livorno including Gulf of Genoa.	⊙1998
1999	Mediterranean Sea, Livorno to Civitavecchia including Northern Corse.	⊙1999
2045	England - South Coast, Outer Approaches to the Solent.	⊙2045
2431	North America - West Coast, Alaska, Cape Ommaney to Cross Sound.	⊙4970, ⊙4971, ⊙4972
2462	United States - West Coast, South - East Alaska, Windham Bay to Icy Point, including Stephens Passage and Lynn Canal.	⊙4970, ⊙4971, ⊙4972
2615	England - South Coast, Bill of Portland to The Needles.	⊙2615

ADMIRALTY CHARTS INDEPENDENTLY WITHDRAWN

Admiralty Charts

Chart to be

WITHDRAWN

Main Title

1247	South Pacific, Fiji or Viti Group, Matuku.
1252	South Pacific, Fiji or Viti Group, Moala.
2992	South Pacific, Rotuma Island.

FISHERMAN'S PILOT SERIES EXTENDED

Following the successful publication of the first in the series of the **Fisherman's Pilots** - *NP150 Western North Sea*, we are pleased to announce the publication of the next two regional volumes:

<i>NP No.</i>	<i>Title</i>	<i>Publication Date</i>	<i>RRP(UK)</i>
NP151 – North & West Scotland (Peterhead to Mull of Kintyre)		October 2001	£29.95
NP152 – Ireland & the Irish Sea (Mull of Kintyre to Milford Haven)		December 2001	£29.95

The Fisherman's Pilot series is a **composite new series of paper publications** aimed at providing authoritative navigational guidance and specific information relating to the industry within the fishing grounds and ports used by fishermen around UK and the Republic of Ireland.

Each title will be published each calendar year and will be updated monthly in Section IVA of Admiralty NMs. Main contents include:

- Fishing ports: plans, photographs, information and facilities
- Tidal stream atlas and tide tables
- Maritime communications including GMDSS
- List of registered fishing vessels
- Relevant Annual Notices to Mariners

Although the series will be published by the UKHO, it is the result of considerable collaboration between UKHO & Sea Fish Industry Authority and this will be recognised by dual product badging. For their part, the Maritime and Coastguard Agency have issued a Marine Guidance Note (MGN 172(F)) approving the Fisherman's Pilots. These publications satisfy UK legislation under the provisions of the Merchant Shipping (Carriage of Nautical Publications) Regulations.

Whilst the newly developed publications will help larger ships to meet carriage requirements, they will also have considerable appeal for smaller fishing vessels.

II

ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE TO BE TRANSFERRED TO A WGS 84 COMPATIBLE DATUM IN OCTOBER 2001

The following charts will be transferred to a WGS 84 compatible datum in October 2001 on the publication date indicated. These charts will be included in the ARCS series.

October 25: Anglesey and North Coast of Wales – 1413, 1464, 1953, 1977, 1978, 2011.

ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE PROVISIONALLY SCHEDULED TO BE TRANSFERRED TO A WGS 84 COMPATIBLE DATUM BETWEEN NOVEMBER 2001 AND JANUARY 2002

The following charts are provisionally scheduled to be transferred to a WGS 84 compatible datum between November 2001 and January 2002. It should be noted that actual publication dates are subject to priorities within the UKHO and could be later than those indicated.

November 2001: River Tyne and Approaches – 111, 152, 156, 160, 1191, 1192, 1934;
Western Bristol Channel and Approaches – 1076, 1156, 1161, 1164, 1165, 1167, 1169, 1179, 1478, 1482.

December 2001: River Humber and Approaches – 107, 109, 121, 1187, 1188, 1190, 3497.

January 2002: Cardigan and Caernarfon Bays – 1410, 1484, 1512, 1970, 1971, 1972, 1973.

This list will be up-dated in Weekly 44, 1 November 2001.

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

ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS 84 COMPATIBLE DATUM

The following is the current list of Admiralty Charts of Great Britain that are referred to a WGS 84 compatible datum. Charts published on 27 September 2001 are shown in bold type. Former Notice 4731(P)/00 refers.

⊙18	⊙1160	⊙1606	⊙1975	⊙2290	⊙2793
⊙26	⊙1166	⊙1607	⊙1981	⊙2345	⊙2841
⊙28	⊙1168	⊙1609	⊙1994	⊙2449	⊙2878
⊙30	⊙1176	⊙1610	⊙2000	⊙2450	⊙3164
⊙31	⊙1178	⊙1612	⊙2007	⊙2451	⊙3271
⊙32	⊙1182	⊙1613	⊙2010	⊙2454	⊙3272
⊙34	⊙1183	⊙1626	⊙2013	⊙2482	⊙3273
⊙105	⊙1185	⊙1627	⊙2021	⊙2484	⊙3274
⊙106	⊙1186	⊙1634	⊙2022	⊙2565	⊙3275
⊙108	⊙1200	⊙1652	⊙2035	⊙2566	⊙3284
⊙129	⊙1267	⊙1698	⊙2036	⊙2567	⊙3294
⊙134	⊙1320	⊙1827	⊙2037	⊙2571	⊙3297
⊙147	⊙1344	⊙1828	⊙2041	⊙2572	⊙3298
⊙148	⊙1346	⊙1834	⊙2044	⊙2610	⊙3315
⊙154	⊙1411	⊙1835	⊙2045	⊙2611	⊙3319
⊙323	⊙1438	⊙1859	⊙2052	⊙2615	⊙3337
⊙442	⊙1446	⊙1866	⊙2093	⊙2625	⊙3418
⊙536	⊙1481	⊙1882	⊙2094	⊙2628	⊙3478
⊙777	⊙1491	⊙1892	⊙2151	⊙2629	⊙3490
⊙871	⊙1503	⊙1900	⊙2154	⊙2631	⊙3683
⊙883	⊙1504	⊙1901	⊙2172	⊙2642	⊙3741
⊙1121	⊙1536	⊙1902	⊙2175	⊙2656	⊙3746
⊙1148	⊙1543	⊙1951	⊙2253	⊙2693	⊙3750
⊙1149	⊙1552	⊙1967	⊙2255	⊙2695	
⊙1152	⊙1594	⊙1991	⊙2268	⊙2696	

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

II

Admiralty Distributor Information

Catalogue of Admiralty Charts (NP131), 2001 Edition, Part 1, and annual notice 2/01 refer.

The following amendments to Admiralty Chart Agents appointments:

(a) Change of Address:

SINGAPORE	DPM(SINGAPORE) Pte Ltd 1 Maritime Square #09-72 World Trade Centre Singapore 099253
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II

3911 MISCELLANEOUS UPDATES TO CHARTS

<i>Chart</i>	<i>Previous Notice to Mariners</i>	<i>Details</i>
441	New Edition 2/11/00	Delete magenta limit and chart number, 1252, in position 18° 29'·0S., 179° 48'·0E. Delete magenta limit and chart number, 1247, in position 19° 05'·5S., 179° 43'·0E.
1499	2942/01	Insert magenta limit and chart number, 4970, as follows: a) 57° 44'·0N., 136° 00'·0W. (E.border). b) 57° 44'·0N., 137° 00'·0W. c) 58° 48'·5N., 137° 00'·0W. d) 58° 48'·5N., 137° 09'·6W. e) 59° 06'·0N., 137° 09'·6W. f) 59° 06'·0N., 137° 00'·0W. g) 59° 10'·0N., 137° 00'·0W. h) 59° 10'·0N., 136° 00'·0W. (E.border). Insert magenta limit and chart number, 4971, as follows: North: 57° 52'·0N. East: — South: 55° 47'·0N. West: 136° 38'·0W. Delete magenta limit and chart number, 2431, in position 56° 00'·0N., 138° 55'·0W.
2126	2978/01	Insert accompanying note, CAUTION: CHARTS REFERRED TO A WGS 84 COMPATIBLE DATUM, outside N. border adjacent to legend, DEPTHS IN METRES.
2220	2978/01	Insert accompanying note, CAUTION: CHARTS REFERRED TO A WGS 84 COMPATIBLE DATUM, outside N. border adjacent to legend, DEPTHS IN METRES.
2221	3431/01	Insert accompanying note, CAUTION: CHARTS REFERRED TO A WGS 84 COMPATIBLE DATUM, outside N. border adjacent to legend, DEPTHS IN METRES.
2430	1500/01	Insert reference, (<i>See Chart 4971</i>), in position 56° 07'·5N., 135° 20'·0W. Insert reference, (<i>See Chart 4972</i>), in position 55° 58'·0N., 132° 36'·0W.
2491	3431/01	Insert accompanying note, CAUTION: CHARTS REFERRED TO A WGS 84 COMPATIBLE DATUM, outside N. border adjacent to legend, DEPTHS IN METRES.
2556	3792/01	Insert magenta limit and chart number, 4032, as follows: North: 1° 16'·30N. East: 103° 46'·13E. South: 1° 12'·25N. West: — Delete former magenta limit and chart number, 781, in position 1° 15'·20N., 103° 44'·52E.
2587	New Edition 27/7/00	Insert magenta limit and chart number, 4033, as follows: North: 1° 19'·05N. East: 103° 42'·70E. South: — West: 103° 36'·80E. Delete former magenta limit and chart number, 780, in position 1° 21'·75N., 103° 36'·35E.
2598	New Edition 8/2/01	Insert magenta limit and chart number, 4030, as follows: North: — East: 103° 40'·70E. South: 1° 11'·05N. West: 103° 36'·70E. Insert magenta limit and chart number, 4031, as follows: North: — East: 103° 42'·53E. South: 1° 10'·15N. West: 103° 38'·50E. Delete former magenta limit and chart number, 785, in position 1° 11'·83N., 103° 38'·88E.
4632	New Edition 5/10/00	Delete magenta limit and chart number, 2992, in position 12° 20'·0S., 177° 10'·0E.
4633	3146/01	Delete magenta limit and chart number, 2992, in position 12° 20'·0S., 177° 08'·0E.

UK Hydrographic Office.

3826* ENGLAND, South Coast — Approaches to Poole Harbour — Sandbanks — Groynes; Beacons

Insert the accompanying block, showing new groynes and beacons, centred on: 50° 41'·27N., 1° 56'·24W.

Note: **Positions** on both of the charts affected by this notice are referred to a **WGS 84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS 84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

Chart [*Last correction*].— **2611** (INT 1726) [3563/01] — **2175** [3354/01]
Borough of Poole (HH.232/560/13).

II

3829* ENGLAND, East Coast — Orford Ness Northeastwards — Aldeburgh Ridge — Buoy

Move port-hand can light-buoy, *Q.R Aldeburgh Ridge*,
(charts 1504 & 1610, port-hand can light-buoy, *Q.R*) from: 52° 06'·8N., 1° 37'·5E.
to: 52° 06'·72N., 1° 36'·95E.

Note: **Positions** on all of the charts affected by this notice are referred to a **WGS 84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS 84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

Chart [*Last correction*].— **1543** [3638/01] — **1504** (INT 1510) [3638/01] — **1610** (INT 1511) [3771/01]

Trinity House Notice 45/01 (HH.242/550/11).

3830* SCOTLAND, East Coast — Rattray Head — Fog signal

Delete fog signal, Horn(2)45s, (chart 115, Horn),
(chart 1409, Horn(2)), at light 57° 36'·63N., 1° 48'·92W.

Chart [*Last correction*].— **213** [3340/01] — **115** (INT 1503) [3557/01] — **1409** (INT 1504) [3557/01]

Light List Vol. A, 2001/02, 3304

Northern Lighthouse Board Notice 22/01 (HH.262/430/05).

3831* SCOTLAND — Shetland Islands — Mainland — Sullom Voe — Skaw Taing — Light

Insert sector at light, Fl(2)5s35m8M, as follows: 60° 29'·005N., 1° 16'·740W.
W 145° – 156° (11°)

Note: **Positions** on both of the charts affected by this notice are referred to a **WGS 84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS 84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

Chart [*Last correction*].— **3297** (INT 1531) [2798/01] — **3298** (INT 1530) [*New Edition* 16/8/01]

Light List Vol. A, 2001/02, 3822.61

Shetland Islands Council (HH.270/420/04).

3832* IRELAND, North-West Coast — Rockall Trough — Data buoy

Insert special $\searrow$ Fl(5)Y.20s ODAS K4, 54° 58'·0N., 12° 40'·0W.
(chart 2, special $\searrow$ (lit) ODAS K4)

Delete special $\searrow$ Fl(5)Y.20s ODAS K4, 55° 35'·8N., 12° 57'·0W.
(chart 2, special $\searrow$ (lit) ODAS K4)

Note: **Positions** on all of the charts affected by this notice are referred to a **WGS 84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS 84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

Chart [*Last correction*].— **1127** (INT 1065) [454/01] — **2** (INT 160) [3191/01] — **4102** (INT 102) [*New Edition* 10/5/01]

UK Met Office (HH.292/550/03).

3833* ENGLAND, South Coast — Plymouth Sound — Cattewater — Dredged depth

Amend dredged depth to, 7·0m (2001) 50° 21'·68N., 4° 07'·11W.

Note: **Positions** on all of the charts affected by this notice are referred to a **WGS 84** compatible datum. See list of ADMIRALTY CHARTS OF GREAT BRITAIN THAT ARE REFERRED TO A WGS 84 COMPATIBLE DATUM (near the beginning of this publication) and NM 4731(P)/00.

Chart [*Last correction*].— **1901** (**Inset, Continuation of Cattewater**) [2103/01] — **1967** [2103/01] — **30** (INT 1722) [2688/01]

Cattewater Harbour Commission (HH.234/400/08).

3834 FÆROE ISLANDS — Føroyar — Streymoy — Tórshavn — Lights; Reclamation area; Buoy

		bearing/distance (metres) from ★ Oc.WRG.5s82ft15–11M Skansen light (62° 00'·43N., 6° 45'·15W.)
Insert	★ Fl.G.3s33ft6M ★ F.G.33ft6M limit of reclamation area, pecked line, joining:	(a) 164°/483 (b) 195°/559 (c) 232·5°/505 (shore) (d) 230°/483 (e) 224°/529 (f) 229°/575 (shore)
Delete	legend, <i>Reclaimed area</i> ★ Fl.G.3s19ft10M ★ F.G.26ft5M starboard-hand conical light-buoy, Q.G charted detail	(g) adjacent to (c)–(f) above (h) close NW. of (a) above (i) 80m W. of (b) above (j) 189·5°/630 (k) within (c)–(f) above

Chart [*Last correction*].— **3557** (**plan, Tórshavn**) [1449/01]

Light List Vol. L, 2001/02, 4397, 4398

Danish Notices 2/172–173/01, 2/174(P)/01 & Danish Chart 85 (HH.335/410/02).

II

3835 BALTIC SEA — Germany, North Coast — Mecklenburger Bucht — Dahmeshöved Southsoutheastwards — Wreck

Insert  Wk, least depth by wire sweep 20₃ m 54° 08'·94N., 11° 08'·26E.

Chart [*Last correction*].— **2117** [3247/01] — **2106** (INT 1303) [3644/01]
German Notice 33/(16)37/01 (HH.327/460/02).

3836 BALTIC SEA — Denmark, East Coast — Kattegat — Horsens — Reclamation area

Insert limit of reclamation area, pecked line, joining: (a) 55° 51'·281N., 9° 52'·470E.(shore)
(b) 55° 51'·254N., 9° 52'·685E.
(c) 55° 51'·120N., 9° 52'·665E.
(S. border)
(d) 55° 51'·108N., 9° 52'·662E.
(e) 55° 51'·120N., 9° 52'·552E.
(S. border)
(f) 55° 51'·144N., 9° 52'·464E.(shore)
(g) within (a)–(c)–(e)–(f) above
(h) close E. of (a)–(b), (d)–(f) above

legend, *Being reclaimed (2001)*

Chart [*Last correction*].— **929 (plan A, Horsens) (a–c,e–g) & 929 (a,b,d,f,h)** [*New Edition 5/7/01*]
Danish Notice 34/294/01 (HH.332/500/03).

3837 DENMARK, North Coast — Skagerrak — Jammerbugt — Blokhus Northwestwards — Buoy

Insert special conical buoy with topmark 57° 15'·12N., 9° 30'·02E.

Chart [*Last correction*].— **1402** (INT 1300) [3645/01]
Danish Notice 33/799/01 (HH.331/460/02).

3838 GERMANY, North Sea Coast — Die Elbe — Port of Hamburg — Süderelbe, Rethe and Cranz — Lights; Leading line

Insert  *Iso.R.4s25m5M* (a) 53° 29'·786N., 9° 56'·742E.
 *Iso.R.4s30m5M* (b) 53° 29'·737N., 9° 56'·762E.
leading line, pecked line for 980m then firm line for 550m (c) extending in direction 346·3°
(d) from (b) above
(e) seaward end of (c) above
Amend light to, *F.Or* (f) 53° 30'·68N., 9° 57'·21E.
light to, *Fl.Or.4s* (g) 53° 30'·57N., 9° 57'·34E.
Delete  *Fl(2)R.9s* (h) 53° 30'·98N., 9° 56'·30E.
 *Fl.4s8m5M Ness* (i) 53° 32'·81N., 9° 49'·26E.
 *Oc.WRG.6s10m9–6M Este* (j) 53° 32'·19N., 9° 47'·56E.
sectors at light (k) (j) above

Chart [*Last correction*].— **3268** (INT 1455) (**plan B, Die Elbe, Port of Hamburg**) (*a–i*) & (**plan A, Die Elbe, Schulau to Teufelsbrück**) (*i–k*) [3247/01]
Light List Vol. B, 2001/02, 1569, 1570, 1594.55, 1594.7, 1594.71, 1599.6, 1599.62
German Notice 29/(21)48/01 (HH.328/570/04).

3839 FRANCE, West Coast — La Gironde — Banc des Marguerites Southeastwards — Wreck

Insert  45° 31'·04N., 0° 54'·71W.

Chart [*Last correction*].— **2910** [*New Edition 21/12/00*] — **2916 (plan A)** [151/01]
French Notice 31/26/01 (HH.353/540/04).

3840 SPAIN, West Coast — Ria de Arosa — Escarabote — Arrecife de Aroña — Light–beacon

Insert isolated danger light–beacon, *Fl(2)7s3M* 42° 38'·10N., 8° 53'·76W.

Chart [*Last correction*].— **1764** [2887/01] — **1768** [3274/01]
Light List Vol. D, 2001/02, 1831.2
Spanish Notice 32/610/01 (HH.359/600/03).

3841 SPAIN, West Coast — Ria de Vigo — Estrecho de Rande — Lights

Insert  *Fl(2)G* 42° 17'·31N., 8° 39'·18W.
(end of jetty)
42° 17'·34N., 8° 39'·09W.
(corner of jetty)
Amend light to, *Q.R* (a) 42° 17'·45N., 8° 39'·55W.
close E. of (a) above
light to, *Q.G* (b) 42° 17'·25N., 8° 39'·56W.
close E. of (b) above

Note: The above update has been included in New Chart 1731 published 27 September 2001.

Chart [*Last correction*].— **2548** [2817/01]
Light List Vol. D, 2001/02, 1905.42, 1905.44, 1905.52, 1905.54, 1905.7, 1905.71
Spanish Notice 34/625/01 (HH.359/620/03).

II

3842 MEDITERRANEAN SEA — Spain, South–East Coast — Cartagena — Boca Chica — Works

Insert legend, *Works in progress (2001)*, centred on: 37° 33'·69N., 0° 57'·86W.

Chart [*Last correction*].— **1194** (INT 3165) [3279/01]

Spanish Notice 32/613(T)/01 (HH.361/480/04).

3843 MEDITERRANEAN SEA — Italy, West Coast — Approaches to Vada — Obstructions

Insert the accompanying note, OBSTRUCTIONS, centred on: 43° 26'·6N., 10° 26'·1E.
black maritime limit, pecked line, joining: 43° 24'·03N., 10° 24'·26E.(shore)
43° 21'·90N., 10° 21'·62E.
(W. border)
43° 21'·80N., 10° 23'·40E.
43° 18'·50N., 10° 25'·20E.

legend, *Obstructions (see Note)*, centred on:

Note: The above update has been included in New Editions of Charts 1998 and 1999 published 27 September 2001.

Chart [*Last correction*].— **131** (**plan, Vada**) [1933/01]

Italian Notice 3/3.3/01 (HH.369/520/02).

3844 MEDITERRANEAN SEA — Adriatic Sea — Italy, East Coast — Giulianova Northeastwards — Marine farm; Buoyage

Insert symbol, marine farm 42° 47'·3N., 14° 00'·6E.
special pillar light–buoy with topmark, *Fl.Y.5s* 42° 46'·9N., 14° 01'·1E.
special pillar light–buoy with topmark, *Fl.Y.3s* 42° 47'·9N., 14° 00'·4E.

Chart [*Last correction*].— **200** [1257/01]

Italian Notice 15/15.7/01 (HH.370/520/04).

3845 MEDITERRANEAN SEA — Aegean Sea — Greece — Nísos Míkonos, South Coast — Ak. Goní Southwestwards — Depth; Wreck

Substitute depth 6m enclosed by 10m contour for  37° 26'·35N., 25° 26'·72E.
Delete  PA 37° 25'·60N., 25° 25'·40E.

Chart [*Last correction*].— **1041** [2505/01]

Greek Notices 6/157–158/01 (HH.385/400/03).

3846 MEDITERRANEAN SEA — Aegean Sea — Greece — Nísos Kásos and Nísos Kárpáthos — Órmos Frý and Órmos Pigádia — Buoy; Light

Insert starboard–hand pillar light–buoy, *Fl.G.2·4s* (a) 35° 25'·50N., 26° 55'·75E.
★ *Fl.R.4s7m3M* (b) 35° 30'·690N., 27° 12'·895E.

Chart [*Last correction*].— **1532** (**plan G, Órmos Frý and Liménas Emporeió**) (a) & (**plan F, Órmos Pigádia**) (b) [*New Edition 16/8/01*]

Light List Vol. E, 2001/02, 4758.1

Greek Notices 7/185–186/01 (HH.384/450/03).

3847 MEDITERRANEAN SEA — Turkey — Marmara Denizi — Pendik — Mooring buoys

Insert  40° 51'·92N., 29° 14'·80E.
40° 51'·80N., 29° 14'·91E.

Chart [*Last correction*].— **2286** [2897/01]

Turkish Notice 32/173/01 (HH.394/420/03).

3848 BLACK SEA — Ukraine — Entrance to Berezans'ky Lyman — Buoyage

Delete No 1 light–buoy 46° 36'·23N., 31° 26'·73E.
No 2 light–buoy 46° 36'·20N., 31° 26'·63E.
No 3 buoy 46° 36'·56N., 31° 26'·31E.
No 4 buoy 46° 36'·55N., 31° 26'·20E.
No 5 buoy 46° 36'·94N., 31° 25'·84E.
No 6 buoy 46° 36'·89N., 31° 25'·79E.
No 7 light–buoy 46° 37'·23N., 31° 25'·51E.
No 8 light–buoy 46° 37'·24N., 31° 25'·33E.
No 9 buoy 46° 37'·55N., 31° 25'·43E.
No 10 buoy 46° 37'·56N., 31° 25'·31E.
No 11 light–buoy 46° 37'·84N., 31° 25'·52E.
No 12 light–buoy 46° 37'·84N., 31° 25'·33E.

Chart [*Last correction*].— **2200** [3382/01]

Russian Chart 38106 (HH.396/540/02).

II

3849 BLACK SEA — Georgia — P'ot'i and Approaches — Depths; Buoyage

Insert	depth 19 ₈ m enclosed by 20m contour	(a)	42° 09'·55N., 41° 36'·70E.
	depth 5 ₈ m	(b)	42° 10'·80N., 41° 37'·87E.
	depth 7 ₇ m	(c)	42° 10'·99N., 41° 37'·62E.
	depth 9 ₉ m	(d)	42° 10'·75N., 41° 37'·57E.
	10m contour enclosing (c) & (d) above, joining:	(e)	42° 11'·13N., 41° 37'·51E. (existing contour)
Move	port-hand pillar light-buoy with topmark, <i>Fl.R.</i> 3s, from:	(f)	42° 10'·62N., 41° 37'·98E. (existing contour)
		(g)	42° 09'·836N., 41° 38'·809E.
	to:	(h)	42° 09'·745N., 41° 38'·792E.
	safe water pillar light-buoy with topmark, <i>LFl.</i> 6s, from:	(i)	42° 09'·97N., 41° 38'·34E.
	to:	(j)	42° 10'·06N., 41° 38'·13E.
Delete	safe water pillar light-buoy with topmark, <i>LFl.</i> 6s former 10m contour, joining:	(k)	42° 09'·980N., 41° 38'·331E.
		(l)	(e) above
		(m)	(f) above

Chart [*Last correction*].— **3317 (plan C, P'ot'i)** (*g,h,k*) & **(plan B, Approaches to P'ot'i)** (*a-j,l,m*) [2898/01]
U.S. Notice 34/55138/01 (HH.399/480/01).

3850 BLACK SEA — Turkey — Bartın Limani — Light

Amend	light to, <i>Fl(3)G.10s10m8M</i> , (chart 1275 main sheet, <i>Fl(3)G.8M</i>)	41° 41'·24N., 32° 13'·59E.
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Chart [*Last correction*].— **1275 (plan B, Bartın Limani) & 1275** [2322/01]
Light List Vol. E, 2001/02, 5818.6
Turkish Notice 32/172/01 (HH.391/420/03).

3851* AFRICA, West Coast — Nigeria — Approaches to Lagos — Platform; Restricted area

Insert	□ (lighted) <i>SPM</i>	(a)	6° 21'·867N., 3° 21'·950E.
	limit of restricted area, pecked line, joining:	(b)	6° 23'·920N., 3° 22'·005E.(shore)
		(c)	6° 22'·810N., 3° 21'·600E. (W. border)
		(d)	6° 22'·087N., 3° 21'·340E. and
	semi circular limit of restricted area, pecked line, radius 1200m, centred on (a) above, joining:	(e)	6° 23'·748N., 3° 23'·325E.(shore)
		(f)	6° 21'·642N., 3° 22'·560E.
	legend, <i>Entry Restricted</i> (see Note)	(g)	(d) above
		(h)	6° 21'·242N., 3° 21'·761E. (scale)
		(i)	(f) above
		(j)	within (b)–(h) above
(k)		within (b)–(f) above	
the accompanying note, ENTRY RESTRICTED, centred on:	(l)	6° 24'·450N., 3° 22'·290E.	
	(m)	6° 26'·80N., 3° 16'·70E.	

Chart [*Last correction*].— **2812** (*a-c,e,f,h-j,l*) [1056/01] — **1381** (*a,b,d-g,i,k,m*) [4373/00]
Light List Vol. D, 2001/02, 8570
Nigerian Ports Authority (HH.440/180/10).

3852* AFRICA, West Coast — Nigeria — Approaches to Dodo River — EA Oilfield — Development area

Insert	limit of development area, pecked line, joining:	(a)	4° 49'·00N., 5° 13'·10E. (S. border)
		(b)	4° 49'·40N., 5° 12'·60E.
		(c)	4° 53'·70N., 5° 15'·55E.
		(d)	4° 52'·10N., 5° 26'·55E.
		(e)	4° 49'·00N., 5° 25'·40E. (S. border)
	legend, <i>Development Area</i> (see Note)	(f)	4° 41'·40N., 5° 22'·55E.
		(g)	within (b)–(f) above
		(h)	within (a)–(e) above
	the accompanying note, DEVELOPMENT AREAS, centred on:	(i)	adjacent to (b)–(f) above
		(j)	4° 55'·00N., 7° 09'·00E.
(k)		6° 15'·00N., 5° 38'·50E.	
	(l)	5° 26'·50N., 9° 47'·50E.	

Chart [*Last correction*].— **1863** (*b-d,f,g,j*) [1375/01] — **1862** (*a-e,h,k*) [1375/01] — **1357** (*b-d,f,i,l*) [*New Edition* 24/5/01]
Shell Petroleum Development Company of Nigeria Ltd (HH.440/180/10).

II

3853* RED SEA — Egypt — Suez Canal — Little Bitter Lake — Buoyage

Delete	special conical buoy and associated legend, Refl	30° 11'·4N., 32° 34'·1E. 30° 11'·8N., 32° 34'·1E. 30° 12'·1N., 32° 34'·0E. 30° 12'·5N., 32° 33'·8E. 30° 14'·4N., 32° 32'·5E. 30° 14'·8N., 32° 32'·3E. 30° 15'·0N., 32° 32'·0E. (a) 30° 15'·4N., 32° 31'·5E. (b) 30° 15'·5N., 32° 31'·2E.
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Chart [*Last correction*].— **233 (plan F, El Kabrît) (a,b) & (plan D, Great Bitter Lake (El Buheiret El Murra El Kubra) to Suez Bay (Bahr El Qulzum) (Km 95 to Km 162) [3292/01]**

Suez Canal Authority and mv *Nedlloyd Shackleton* (HH.475/420/05).

3854 ARABIA — Gulf of Aden — Yemen — Ra's al Kalb Northeastwards and Southwestwards — Depths

Insert	depth 450m enclosed by 1000m contour	(a) 13° 23'·4N., 47° 28'·5E.
	depth 85m enclosed by 100m contour	(b) 13° 53'·8N., 48° 00'·8E.
	depth 50m enclosed by 50m contour	(c) 13° 56'·4N., 48° 38'·0E.
	depth 112m	(d) 14° 08'·1N., 48° 53'·7E.
	depth 115m	(e) 14° 41'·2N., 49° 46'·3E.
	depth 27fm, PA	(f) 13° 55'·5N., 48° 37'·3E.
Delete	depth 95fm	(g) close E. of (f) above

Chart [*Last correction*].— **6 (a–d) [2327/01] — 3784 (c–e) [2371/00] — 2954 (f,g) [3787/99]**

Russian Charts 42088 & 42089 (HH.483/400/03).

3855 RED SEA — Eritrea — Approaches to Massawa (Mits'iwa) — Secca Mugiunia — Islet

Insert	islet enclosed by ○	(a) 15° 36'·55N., 39° 43'·15E.
Delete	depth 6 ₂ m	(b) close SW. of (a) above

Chart [*Last correction*].— **460 (plan A, Approaches to Massawa) (a) [3672/01] — 171 (a,b) [3695/00] — 164 (a,b) [3672/01] — 157 (INT 7006) (a) [3019/01]**

Russian Chart 43026 (HH.472/400/03).

3856 RED SEA — Eritrea — Āseb Bay — Darmākia Southwards to Jebel Alil Northwestwards — Depths; Rock

Insert	depth 1m enclosed by 5m contour	12° 49'·24N., 42° 55'·31E.
	depth 0 ₂ m enclosed by 5m contour	12° 50'·85N., 42° 55'·65E.
	depth 0 ₈ m enclosed by 5m contour	12° 52'·50N., 42° 53'·80E.
	depth 6 ₇ m	12° 55'·61N., 42° 48'·52E.
	⊙	12° 52'·70N., 42° 52'·35E.

Chart [*Last correction*].— **1926 [1623/00]**

Russian Chart 45033 (HH.472/410/02).

II

3857* INDIAN OCEAN — Seychelles — Mahé — Victoria and Approaches — Vessel Traffic Service; Recommended anchorages; Radio reporting points; Harbour limit; Beacons; Buoyage

Insert	the accompanying note, VESSEL TRAFFIC SERVICE, centred on:	(a) 4° 51'·60S., 56° 00'·90E. (b) 4° 14'·00S., 54° 04'·50E. (c) 4° 37'·10S., 55° 28'·90E.
	⚓	
	radio reporting point, direction of vessel movement 000°/180°	(d) 4° 23'·00S., 55° 29'·00E.
	radio reporting point, direction of vessel movement 170°/350°	(e) 4° 40'·00S., 55° 37'·00E.
	harbour limit, pecked line, joining:	(f) 4° 33'·60S., 55° 26'·40E.(shore) (g) 4° 33'·60S., 55° 32'·00E. (h) 4° 40'·45S., 55° 32'·00E.(shore)
Amend	legend, <i>Victoria Port Limit</i>	(i) along (f)–(g) above
Substitute	legend to, <i>Oil Terminal (disused)</i>	(j) 4° 36'·36S., 55° 29'·54E.
	starboard–hand beacon No 1 for former No 1 starboard–hand light–beacon	(k) 4° 36'·96S., 55° 28'·04E.
Delete	⚓	(l) 4° 36'·67S., 55° 29'·29E.
	⚓ and associated ground tackle	(m) 4° 37'·04S., 55° 29'·31E.
	starboard–hand conical buoy	(n) 4° 36'·36S., 55° 29'·64E.
	starboard–hand conical light–buoy Fl(3)G.3s	(o) 4° 36'·44S., 55° 29'·56E.
	No 3 starboard–hand beacon	(p) 4° 36'·69S., 55° 28'·52E.
	No 7 starboard–hand beacon	(q) 4° 36'·80S., 55° 28'·24E.
	No 9 starboard–hand spar buoy	(r) 4° 37'·01S., 55° 27'·97E.
	No 11 starboard–hand spar buoy	(s) 4° 37'·23S., 55° 27'·77E. (t) 4° 37'·18S., 55° 27'·67E. (u) 4° 37'·14S., 55° 27'·60E.

Chart [*Last correction*].— **722** (INT 7742) (c,j–u) [4165/00] — **742** (INT 7741) (a,d–i) [4165/00] — **740** (b,d,e) [4165/00]
 Light List Vol. D, 2001/02, 6867.3
 Admiralty List of Radio Signals Vol. 6(3) (37/01)
 Ministry of Environment and Transport, Seychelles (HH.461/420/02).

3858 INDIA, East Coast — Madras Northeastwards — Data buoy

Insert special ∇ Fl.20s6M ODAS 13° 12'·13N., 80° 23'·80E.

Chart [*Last correction*].— **574** [2125/01] — **2063** [2125/01]
 Indian Notice 16/289/01 (HH.501/003/03).

3859 INDIA, East Coast — Hugli River — Approaches to Eastern Channel — Wreck

Insert ∇ PA 21° 04'·19N., 88° 11'·21E.
 Delete ∇ 21° 03'·85N., 88° 10'·05E.

Chart [*Last correction*].— **123** [3216/01] — **814** [3216/01]
 Indian Notice 15/282(T)/01 (HH.503/490/04).

3860 MALACCA STRAIT — Melaka Southwards — Wreck; Buoy

Insert $\odot$ Wk, least depth 30m (a) 1° 58'·17N., 102° 14'·14E.
 isolated danger pillar light–buoy, Fl(2)10s close SE. of (a) above

Chart [*Last correction*].— **3947** [78/01] — **1358** [3124/01]
 Marine Department, Peninsular Malaysia Notices 21(T)/01 & 22(T)/01 and mv *Provider* (HH.520/650/05).

3861 SUMATERA, West Coast — Kepulauan Batu — Pulau Sambulaling — Light

Insert ★ Q.318ft13M, (chart 2760, ★ Q.13M) 00° 03'·0N., 98° 55'·4E.

Chart [*Last correction*].— **2779** [1810/00] — **2760** [719/01]
 Light List Vol. F, 2001/02, 1236.7
 Indonesian Hydrographic Office (HH.525/440/03).

3862* CHINA SEA — Vietnam, South–East Coast — Rang Dong Oilfield to Bach Ho Oilfield — Submarine pipeline

Insert submarine pipeline joining: (a) 9° 59'·95N., 108° 16'·20E.
 (chart 1261, □)
 (b) 9° 50'·38N., 108° 00'·18E.
 9° 47'·60N., 107° 58'·62E.
 (c) 9° 46'·05N., 107° 58'·17E.
 (d) 9° 44'·98N., 107° 59'·12E.
 9° 44'·99N., 107° 59'·60E.(□)
 legend, *Gas (see Note)* (e) along (a)–(b) above

Chart [*Last correction*].— **1261** [1387/01] — **3986** (a–e) [1387/01] — **3987** (a–e) [1387/01]
 U.K. Hydrographic Office (HH.546/180/02).

II

3863* CHINA, South-East Coast — Hong Kong — Hong Kong Island Southwards and Eastwards — Submarine cable

Insert submarine cable joining: 22° 11'·86N., 114° 19'·67E.
(existing cable)
22° 11'·61N., 114° 23'·54E.
22° 13'·31N., 114° 25'·12E.
22° 13'·53N., 114° 29'·68E.
22° 10'·56N., 114° 39'·61E.
22° 10'·55N., 114° 40'·19E.
22° 09'·94N., 114° 41'·15E.
22° 09'·92N., 114° 41'·73E.
22° 02'·70N., 115° 05'·80E.
22° 04'·89N., 115° 08'·69E.
22° 04'·70N., 115° 09'·40E.
(E. border)
and
22° 09'·32N., 114° 13'·54E.
22° 08'·74N., 114° 15'·42E.
22° 09'·66N., 114° 31'·78E.
22° 09'·17N., 114° 32'·99E.
21° 59'·92N., 114° 40'·40E.
21° 52'·63N., 114° 45'·20E.
21° 52'·13N., 114° 45'·36E.
21° 48'·00N., 114° 45'·33E.
(S. border)

Note: Chart 3026 should be removed from the list of Charts affected by former Notice 2531(P)/00.

Chart [*Last correction*].— **3026** [2515/01]

Singapore Telecom and Global Marine Systems Ltd (HH.100/308/04).

3864 CHINA, East Coast — Dong Hai — Pingyang Zui Northwards — Wrecks

Insert  27° 33'·8N., 120° 41'·1E.
27° 32'·9N., 120° 41'·7E.
27° 31'·0N., 120° 41'·0E.

Chart [*Last correction*].— **1754** [3478/01]

Chinese Notices 15/183(575/01 & 15/202(622)/01 (HH.548/460/03).

3865 CHINA, East Coast — Dong Hai — Taizhou Wan Eastwards — Lights; Radar beacon

Insert ★ Fl(2)6s91m16M 28° 43'·36N., 121° 56'·14E.
★ Fl.5s41m16M (a) 28° 38'·58N., 121° 47'·20E.
radar beacon, Racon (K), at light (a) above

Chart [*Last correction*].— **1759** [3591/01]

Light List Vol. F, 2001/02, 3679, 3681

Admiralty List of Radio Signals Vol. 2, 2001: 81640 (34/01)

Chinese Chart 13631 (HH.548/460/03).

3866 CHINA SEA — T'ai-wan Northwards — Wreck

Insert  25° 51'·97N., 121° 31'·45E.

Chart [*Last correction*].— **1761** [3478/01] — **2412** [2388/01]

Chinese Chart 13000 (HH.555/400/03).

3867 CHINA, East Coast — Huang Hai — Haizhou Wan — Lanshan Gang — Lanshan Tou — Light

Delete ★ Fl.G.6s17m5M 35° 05'·7N., 119° 22'·3E.

Chart [*Last correction*].— **1253** [3071/01]

Light List Vol. F, 2001/02, 3806.5

Chinese Notice 15/181(573)/01 (HH.548/500/03).

3868 CHINA — Bo Hai — Qinhuangdao — Chenxiang Channel — Light-beacons

Delete No 36 starboard-hand light-beacon 39° 55'·37N., 119° 39'·97E.
No 37 port-hand light-beacon 39° 55'·55N., 119° 39'·76E.

Chart [*Last correction*].— **3378 (plan, Qinhuangdao)** [3594/01]

Light List Vol. F, 2001/02, 3954.4, 3954.6

Chinese Notice 15/182/01 (HH.548/521/03).

II

3869 JAPAN — Seto Naikai — Hōfu — Mitajiri Kō — Depths; Foul

Substitute depth 5₅ m for depth 3₃ m and associated 5m contour (a) 34° 01′.83N., 131° 35′.48E.
Delete # close SE. of (a) above

Chart [*Last correction*].— **3153** [3480/01]

Japanese Notice 31/1211/01 (HH.568/415/06).

3870 JAPAN — Honshū, North–West Coast — Kanazawa Kō — Ōno Westwards — Works

Delete legend, Works in progress (1999), centred on: 36° 36′.37N., 136° 35′.30E.

Chart [*Last correction*].— **1304 (plan Kanazawa Kō)** [1950/01]

U.K. Hydrographic Office (HH.563/490/03).

3871 JAPAN — Hokkaidō, South Coast — Muroran — Central Wharf — Depths

Insert depth 6₅ m (a) 42° 19′.499N., 140° 58′.595E.
depth 6₈ m 42° 19′.493N., 140° 58′.505E.
Delete depth 7₂ m close W. of (a) above

Chart [*Last correction*].— **1813 (plan E, Muroran)** [3224/01]

Japanese Notice 30/1151/01 (HH.562/418/02).

3872 KOREA, West Coast — Inch'ŏn — Coal Wharf — Works

Insert legend, Works in progress (2001), centred on: 37° 26′.21N., 126° 36′.13E.

Chart [*Last correction*].— **3642** (INT 5364) [1396/01]

Korean Notice 34/420/01 (HH.557/418/08).

3873 KOREA, South Coast — Hado Southwards — Namnudo — Fish havens

Insert  34° 46′.00N., 128° 13′.45E.
34° 46′.31N., 128° 12′.75E.

Chart [*Last correction*].— **3391** (INT 5360) [2840/01]

Korean Notice 34/417/01 (HH.557/210/09).

3874 KOREA, East Coast — Mip'o Hang Northwards — Buoy

Insert special pillar light–buoy with topmark, Fl(4)Y.8s A 35° 32′.32N., 129° 27′.77E.

Chart [*Last correction*].— **898 (plan A, Ulsan and Mip'o)** [1321/01]

Korean Notice 34/414/01 (HH.557/466/07).

3827 AUSTRALIA — Victoria — Port Phillip — Chart title; Notes

Insert the accompanying block, showing amendments to chart title and notes, centred on: 38° 12′.14S., 144° 38′.00E.

Chart [*Last correction*].— **Aus 158** [3313/01]

Australian Notice 16/423/01 (HH.571/009/01).

3828 SOUTH PACIFIC OCEAN — Fiji Islands — Yasawa, West Coast — Depths

Insert the accompanying block A, showing amendments to depths, centred on: (a) 16° 49′.00S., 177° 27′.07E.
the accompanying block B, showing amendments to depths, centred on: (b) 16° 45′.8S., 177° 27′.3E.

Chart [*Last correction*].— **381 (plan, Land Harbour (Nadala Bay)) (a) & 381 (b)** [3866/92]

Fiji Hydrographic Office (HH.586/540/02).

3875 SOUTH PACIFIC OCEAN — Nouvelle–Calédonie South–West Coast — Passe de Uitoé — Light–beacons

Insert S. cardinal light–beacon, Q(6)+LFl.15s (a) 22° 10′.37S., 166° 06′.22E.
Substitute S. cardinal light–beacon, Q(6)+LFl.15s, for depth 7₄ m (b) (a) above
Delete port–hand light–beacon Q.R.5m4M (c) 500m ESE. of (a) above
port–hand light–beacon Q.R.4M (d) close NE. of (a) above

Chart [*Last correction*].— **2907 (a,c)** [2940/01] — **936 (b,d)** [2940/01]

Light List Vol. K, 2001/02, 4827.5

French Notice 33/19/01 (HH.585/570/03).

II

3876 NORTH AMERICA, West Coast — Alaska — Bristol Bay to Pribilof Islands — Submerged buoys

Insert	depth 5 ₃ fm enclosed by $\odot$ <i>Subm buoys</i> , (chart 4813, depth 10m enclosed by $\odot$ <i>Subm buoys</i>)	(a) 56° 02'·9N., 166° 19'·8W.
	depth 32fm enclosed by $\odot$ <i>Subm buoy</i> , (chart 4810, depth 59m enclosed by $\odot$ <i>Subm buoy</i>)	(b) 56° 29'·9N., 160° 59'·9W.
	depth 6fm enclosed by $\odot$ <i>Subm buoy</i> , (chart 4813, depth 11m enclosed by $\odot$ <i>Subm buoy</i>)	(c) 57° 51'·1N., 168° 52'·2W.
	depth 5 ₃ fm enclosed by $\odot$ <i>Subm buoys</i> , (charts 4810 and 4813, depth 10m enclosed by $\odot$ <i>Subm buoys</i>)	(d) 56° 52'·8N., 164° 03'·9W.

Chart [*Last correction*].— **1500** (a–d) [1266/00] — **4810** (INT 810) (b,d) [1960/01] — **4813** (INT 813) (a,c,d) [3601/01]
U.S. Notice 36/16011/01 (HH.611/440/02).

3877 NORTH AMERICA, West Coast — California — Suisun Bay — Channel depths

Substitute	the accompanying table, CHANNEL DEPTHS, (Suisun Bay) for existing table, centred on:	37° 57'·4N., 122° 17'·4W.
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Chart [*Last correction*].— **590 (lower panel)** [3702/01]
U.S. Notice 36/18656/01 (HH.612/011/01).

3878 NORTH AMERICA, West Coast — California — Humboldt Bay — Channel depths

Insert	the accompanying table, CHANNEL DEPTHS (Humboldt Bay and Harbor), centred on:	40° 48'·60N., 124° 15'·75W.
Delete	the existing table, CHANNEL DEPTHS (Humboldt Bay and Harbor), centred on: legend, 8½ ft Rep (1995), centred on:	40° 48'·80N., 124° 15'·82W. 40° 48'·40N., 124° 09'·80W.

Chart [*Last correction*].— **3095 (plan, Humboldt Bay)** [3699/01]
U.S. Notice 36/18622/01 (HH.612/011/01).

3879 NORTH AMERICA, West Coast — Oregon and Washington — Columbia River — Channel depths

Substitute	the accompanying table, CHANNEL DEPTHS (Entrance to Miller Sands Range), for existing table, centred on:	(a) 46° 17'·1N., 123° 36'·7W.
	the accompanying table, CHANNEL DEPTHS (Pillar Rock Lower Range to Gull Island Turn and Channel), for existing table, centred on:	(b) 46° 15'·7N., 123° 21'·8W.

Chart [*Last correction*].— **2839 (panel A) (a) & (panel B) (b)** [3516/01]
U.S. Notices 36/18521/01 & 36/18523/01 (HH.612/011/01).

3880* CENTRAL AMERICA, West Coast — Nicaragua, East Coast — Miskito Bank to Great Corn Island — Depths

Insert	depth 16m enclosed by 20m contour	(a) 13° 28'·20N., 82° 36'·50W.
	depth 16 ₂ m enclosed by 20m contour	(b) 12° 49'·00N., 82° 45'·00W.
	depth 18 ₂ m enclosed by 20m contour	(c) 12° 45'·00N., 82° 57'·50W.
	depth 12fm enclosed by 20fm contour	(d) 12° 56'·41"N., 82° 56'·29"W.
	depth 10fm enclosed by 10fm contour	(e) 12° 44'·38"N., 82° 57'·55"W.
	depth 11fm enclosed by 20fm contour	(f) 12° 43'·50"N., 82° 55'·39"W.
	depth 13fm enclosed by 20fm contour	(g) 12° 37'·30"N., 83° 03'·34"W.
	depth 8½ fm enclosed by 10fm contour	(h) 12° 35'·40"N., 83° 00'·00"W.
	depth 12fm	(i) 12° 34'·30"N., 83° 05'·52"W.
	depth 9½ fm enclosed by 10fm contour	(j) 12° 27'·55"N., 83° 11'·00"W.
		(k) 12° 24'·50"N., 83° 13'·22"W.
		(l) 12° 17'·50"N., 83° 19'·00"W.
	depth 20fm enclosed by 20fm contour	(m) 12° 06'·45"N., 82° 57'·06"W.
	depth 14fm enclosed by 20fm contour	(n) 12° 03'·49"N., 82° 59'·15"W.
	depth 10¾ fm enclosed by 20fm contour	(o) 11° 52'·31"N., 83° 07'·57"W.
		(p) 11° 48'·09"N., 83° 10'·38"W.
	depth 15fm enclosed by 20fm contour	(q) 11° 44'·02"N., 83° 19'·00"W.
	depth 12fm enclosed by 20fm contour	(r) 11° 42'·30"N., 83° 14'·48"W.
	depth 14fm enclosed by 20fm contour	(s) 11° 21'·58"N., 83° 26'·01"W.
Delete	depth 33m	(t) close N. of (a) above

Chart [*Last correction*].— **605** (d–n) [*New Edition* 30/8/01] — **1139** (o–s) [*New Edition* 30/8/01] — **396** (a–c,t) [2853/01] —
1218 (a,t) [2955/01]
Fugro–Geoteam.AS (HH.628/405/02).

II

3881 CENTRAL AMERICA, West Coast — Costa Rica — Golfo Dulce — Punta Isadora to Punta S. Juan Southwards, Puerto Golfito and Cabo Matapalo — Depths; Lights

Insert	depth 23fm	(a)	8° 43'·09N., 83° 27'·13W.
	depth 34fm	(b)	8° 38'·42N., 83° 16'·26W.
	depth 32fm	(c)	8° 38'·40N., 83° 24'·06W.
	depth 3 ₅ fm	(d)	8° 38'·05N., 83° 10'·64W.
	depth 52fm	(e)	8° 37'·82N., 83° 16'·62W.
	★ <i>Fl.10s</i>	(f)	8° 36'·05N., 83° 14'·07W.
Delete	★ <i>Fl.10s PA</i>	(g)	8° 22'·84N., 83° 17'·79W.
		(h)	close WNW. of (g) above

Chart [*Last correction*].— **1932 (plan, Puerto Golfito) (d) & 1932 (a–c, e–h)** [4503/00]

Light List Vol. G, 2000/01, 3282

U.K. Hydrographic Office (HH.629/500/02).

3882 SOUTH AMERICA, East Coast — Argentina — Approaches to Puerto Gallegos — Pta. Loyola — Lights; Leading line

Insert	★ <i>Fl.3s13M</i>	(a)	51° 37'·20S., 69° 01'·20W.
	★ <i>Iso.5s11M</i>	(b)	51° 36'·90S., 68° 59'·20W.
	leading line, pecked line for 4·9M then firm line for 7·5M	(c)	extending in 078° direction from (a) above
	legend, 258°		seaward end of (c) above
Amend	light to, <i>Fl(3)45s370ft13M</i>		51° 32'·90S., 68° 57'·00W.

Note: Former Notice 1172(P)/00 is cancelled.

Chart [*Last correction*].— **3107** [3637/01]

Light List Vol. G, 2000/01, 1226, 1231, 1231.1

Argentinian Notice H 451A (HH.650/470/03).

3883 SOUTH AMERICA, East Coast — Brazil — Rio Pará — Approaches to Belém — Coroa Grande — Lights

Insert	★ <i>Fl(3)12s17m10M</i>	(a)	1° 01'·68S., 48° 35'·73W.
	sector at light as follows:	(a)	above
	<i>Arc of Visibility</i> 255° – 031° (136°)		
Delete	★ <i>Fl(3)12s10m10M</i> and associated sector, <i>Arc of Visibility</i>		close NE. of (a) above

Chart [*Last correction*].— **397 (plan B, Approaches to Porto de Belém)** [1716/01]

Light List Vol. G, 2000/01, 0029

Brazilian Notice 15/128/01 (HH.659/420/03).

3884 CARIBBEAN SEA — Panama, North Coast — Laguna Chiriqui Eastwards — Depths

Insert	depth 13fm		9° 11'·0N., 81° 29'·5W.
	depth 8fm enclosed by 10fm contour	(a)	9° 04'·7N., 81° 39'·5W.
	depth 15fm	(b)	9° 02'·0N., 81° 29'·1W.
		(c)	8° 50'·9N., 81° 19'·6W.
Delete	depth 10fm and associated 10fm contour		close N. of (a) above
	depth 21fm		close N. of (b) above
	depth 30fm		close N. of (c) above

Chart [*Last correction*].— **2145** [2971/01]

U.K. Hydrographic Office (HH.630/415/02).

3885 WEST INDIES — Puerto Rico, South Coast — Bahía de Ponce — Buoyage

Move	'2' light–buoy, from:		17° 56'·01N., 66° 37'·84W.
	to:		17° 56'·00N., 66° 37'·94W.
	'4' buoy, from:		17° 56'·72N., 66° 37'·73W.
	to:		17° 56'·79N., 66° 37'·74W.

Chart [*Last correction*].— **478 (plan, Bahía de Ponce)** [2555/01]

U.S. Notice 37/25683/01 (HH.675/410/02).

3886 GULF OF MEXICO — Texas — Brazos Santiago to Port Brownsville — Channel depths

Substitute	the accompanying table, CHANNEL DEPTHS (Brownsville and Port Isabel Harbors), for existing table, centred on:		26° 00'·6N., 97° 21'·9W.
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Chart [*Last correction*].— **3184 (panel C)** [3408/01]

U.S. Notice 37/11301/01 (HH.615/012/01).

II

3887 GULF OF MEXICO — Texas — Freeport Harbour — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS, for existing table, centred on: 28° 54'·3N., 95° 19'·3W.

Chart [*Last correction*].— **3854 (plan, Freeport)** [3813/01]

U.S. Notice 37/11322/01 (HH.615/012/01).

3888 GULF OF MEXICO — Texas — Galveston Bay and approaches — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS, for existing table, centred on: 29° 19'·4N., 94° 48'·4W.

Chart [*Last correction*].— **3183 (plan, Galveston and approaches)** [3710/01]

U.S. Notice 37/11324/01 (HH.615/012/01).

3889 GULF OF MEXICO — Texas — Galveston Bay — Houston Ship Channel — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS, for existing table, centred on: 29° 19'·6N., 94° 48'·3W.

Chart [*Last correction*].— **3186 (panel 1)** [3711/01]

U.S. Notice 37/11324/01 (HH.615/012/01).

3890 GULF OF MEXICO — Texas — Houston Ship Channel — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS (Houston Ship Channel), for existing table, centred on: 29° 43'·3N., 95° 04'·5W.

Chart [*Last correction*].— **3187 (panel 1)** [2410/01]

U.S. Notice 37/11329/01 (HH.615/012/01).

3891 GULF OF MEXICO — Texas — Houston Ship Channel — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS (Houston Ship Channel), for existing table, centred on: 29° 44'·7N., 95° 16'·3W.

Chart [*Last correction*].— **3188 (panel 2)** [2411/01]

U.S. Notice 37/11329/01 (HH.615/012/01).

3892 GULF OF MEXICO — Louisiana and Texas — Sabine Pass, Sabine–Neches Canal and Neches River — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS (Sabine Pass), for existing table, centred on: (a) 29° 48'·9N., 93° 52'·7W.
the accompanying table, CHANNEL DEPTHS (Sabine Pass–Sabine–Neches Canal), for existing table, centred on: (b) 29° 47'·5N., 93° 52'·7W.
the accompanying table, CHANNEL DEPTHS (Neches River), for existing table, centred on: (c) 29° 56'·1N., 93° 56'·9W.

Chart [*Last correction*].— **3192 (panel B) (a,b) & (panel C) (c)** [3708/01]

U.S. Notices 37/11332/01, 37/11342/01 & 37/11343/01 (HH.615/012/01).

3893 GULF OF MEXICO — Louisiana — Calcasieu Pass and River — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS, for existing table, centred on: 30° 15'·0N., 93° 16'·3W.

Chart [*Last correction*].— **3190 (panel E)** [3814/01]

U.S. Notice 37/11347/01 (HH.615/012/01).

3894 GULF OF MEXICO — Louisiana — Mississippi River — Gulf Outlet Canal — Dredged depth

Amend legend to, 28ft (2001) 29° 26'·4N., 89° 00'·9W.

Chart [*Last correction*].— **3858** [3528/01]

U.S. Notice 37/11363/01 (HH.615/012/01).

II

3895 GULF OF MEXICO — Mississippi — Pascagoula Harbor — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS, for existing table, centred on: 30° 19'·5N., 88° 29'·4W.

Chart [*Last correction*].— **3841** [3717/01]
U.S. Notice 37/11375/01 (HH.615/012/01).

3896 GULF OF MEXICO — Florida — Tampa Bay — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS (Tampa Bay), for existing table, centred on: 27° 35'·4N., 82° 32'·1W.

Chart [*Last correction*].— **3848** [3815/01]
U.S. Notice 37/11416/01 (HH.615/012/01).

3897 GULF OF MEXICO — Texas — Port Brownsville — Light-beacon

Amend light-beacon to, *Fl.2·5s44ft* 25° 57'·0N., 97° 24'·2W.

Chart [*Last correction*].— **3184 (plan C, Brazos Santiago to Port Brownsville)** [3886/01]
Light List Vol. J, 2000/01, 4228.05
U.S. Notice 36/11301/01 (HH.615/400/03).

3898 GULF OF MEXICO — Texas — Houston Ship Channel — Barbours Cut — Dredged depths

Amend dredged depth to, *38ft (2001)* (a) 29° 41'·05N., 94° 59'·15W.
dredged depth to, *39ft (2001)* 29° 40'·95N., 95° 00'·32W.

Chart [*Last correction*].— **3187 (panel 1)** [3890/01] — **3186 (panel 2 (a))** [3889/01]
U.S. Notice 36/11328/01 (HH.615/425/05).

3899 GULF OF MEXICO — Texas — Houston Ship Channel — Morgans Point — Buoy; Lights

Insert port-hand pillar light-buoy, *Fl.G.2·5s '1A'* (a) 29° 40'·887N., 94° 58'·938W.
Amend light to, *Fl.G.2·5s* close NW. of (a) above
close S. of (a) above

Chart [*Last correction*].— **3187 (panel 1)** [3898/01] — **3186 (panel 2)** [3898/01]
Light List Vol. J, 2000/01, 4142.15, 4142.2
U.S. Notice 34/11326/01 (HH.615/425/05).

3900 GULF OF MEXICO — Texas — Houston Ship Channel — Bayport Ship Channel — Dredged depth

Amend dredged depth to, *37ft (2001)* 29° 36'·92N., 94° 57'·50W.

Chart [*Last correction*].— **3186 (panel 2) & (panel 3)** [3899/01]
U.S. Notice 36/11327/01 (HH.615/420/04).

3901 GULF OF MEXICO — Louisiana — Calcasieu River — Choupigue Island to Lake Charles — Dredged depths

Amend dredged depth to, *36ft (2001)* (a) 30° 06'·2N., 93° 18'·6W.
dredged depth to, *43ft (2001)* (b) 30° 10'·9N., 93° 18'·5W.
dredged depth to, *34ft (2001)* (c) 30° 12'·73N., 93° 15'·46W.
dredged depth to, *35ft (2001)* (d) 30° 12'·87N., 93° 15'·48W.
dredged depth to, *37ft (2001)* (e) 30° 12'·9N., 93° 16'·9W.
dredged depth to, *32ft (2001)* (f) 30° 13'·6N., 93° 14'·6W.

Chart [*Last correction*].— **3190 (panel C) (a) (panel D) (b) & (panel E) (c-f)** [3893/01]
U.S. Notice 37/11347/01 (HH.615/435/06).

3902 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** [3237/01]
U.S. Notice 37/11506/01 (HH.614/011/01).

II

3903 NORTH AMERICA, East Coast — Georgia and South Carolina — Savannah River — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS, for existing table, centred on: 32° 06'·0N., 81° 08'·6W.

Chart [*Last correction*].— **2807 (panel, Continuation to Port Wentworth)** [*New Edition 5/7/01*]

U.S. Notice 37/11512/01 (HH.614/011/01).

3904 NORTH AMERICA, East Coast — North Carolina — Morehead City — Channel depths

Substitute the accompanying table, CHANNEL DEPTHS (Morehead City Harbor), for existing table, centred on: 34° 14'·9N., 76° 45'·0W.

Chart [*Last correction*].— **3686** [3618/01]

U.S. Notice 37/11547/01 (HH.614/011/01).

3905 NORTH AMERICA, East Coast — Virginia — Norfolk — Norfolk Harbor Reach — Pier A Southwards — Buoyage

Insert	starboard-hand pillar light-buoy, <i>Q.R</i> '2N'	(a)	36° 55'·62N., 76° 20'·08W.
	starboard-hand conical buoy, '4'	(b)	36° 55'·62N., 76° 20'·02W.
	port-hand can buoy, '5'		36° 55'·73N., 76° 19'·93W.
Move	'11' light-buoy, from:		36° 55'·78N., 76° 20'·20W.
	to:		36° 55'·87N., 76° 20'·18W.
Delete	'2' buoy		close W. of (a) above
	'1N' buoy		180m NNW. of (a) above
	'4' light-buoy		close E. of (b) above

Chart [*Last correction*].— **2813** [2423/01] — **2814** [2420/01]

U.S. Notice 37/12222/01 (HH.614/560/04).

3906 NORTH AMERICA, East Coast — Delaware River — New Castle Southwards — Lights

Amend	light to, <i>Iso.G.2s56ft</i>	39° 38'·55N., 75° 35'·72W.
	light to, <i>Iso.R.2s42ft</i>	39° 39'·32N., 75° 34'·39W.

Chart [*Last correction*].— **2603 (panel 1)** [3820/01]

Light List Vol. J, 2000/01, 1301, 1306

U.S. Notices 35/12311/01 & 36/12311/01 (HH.614/540/05).

II

3907(P)/01 SHETLAND ISLANDS — Yell Sound — Northeastwards and Northwestwards — Submarine pipelines

1. In connection with the Foinaven to Magnus Enhanced Oil Recovery Project, submarine gas pipelines have been laid on the seabed joining:
 - (a) 60° 28'·64N., 1° 15'·82W.(shore).
 - (b) 60° 29'·62N., 1° 15'·30W.
 - (c) 60° 31'·02N., 1° 15'·22W.
 - (d) 60° 32'·19N., 1° 13'·54W.
 - (e) 60° 32'·82N., 1° 13'·69W.
 - (f) 60° 34'·27N., 1° 13'·23W.
 - (g) 60° 36'·69N., 1° 13'·72W.
 - (h) 60° 39'·43N., 1° 12'·47W.
 - (i) 60° 45'·74N., 1° 17'·14W.
 - (j) 60° 46'·42N., 1° 18'·80W.
 - (k) 60° 46'·66N., 1° 20'·20W.
 - (l) 60° 46'·63N., 1° 22'·76W.
 - (m) 60° 48'·41N., 1° 34'·50W.
 - (n) 60° 48'·50N., 1° 36'·12W.
 - (o) 60° 48'·31N., 1° 37'·67W.
 - (p) 60° 43'·16N., 2° 00'·00W.
 - (q) 60° 38'·48N., 2° 20'·00W.
 - (r) 60° 31'·60N., 2° 48'·87W.
(W. border).
 - and
 - (s) 60° 41'·84N., 1° 14'·00W.
 - (t) 60° 42'·77N., 1° 14'·26W.
 - (u) 60° 44'·98N., 1° 12'·96W.
 - (v) 60° 58'·35N., 1° 00'·46W.
 - (w) 61° 09'·80N., 0° 14'·40W.
(N. border).
2. These pipelines will be included in the next New Edition of Chart 1233.

Chart affected — 1233

BP Exploration Operating Company Ltd (HH.260/183/02).

3908(P)/01 RUSSIA, North Coast — Kara Sea — Novaya Zemlya to Isáchenko Island — Depths

1. Mariners are advised that shoaler depths than charted exist between the north-east coast of Novaya Zemlya and Isáchenko Island (77° 15'·0N., 89° 30'·0E).
2. The most significant of these depths are as follows:

29fm	76° 21'·9N., 69° 57'·0E
47fm	76° 18'·5N., 70° 38'·0E
49fm	75° 38'·5N., 71° 02'·2E
30fm	76° 07'·9N., 73° 18'·7E
39fm	76° 44'·0N., 75° 14'·3E
36fm	76° 40'·0N., 76° 37'·0E
57fm	77° 44'·9N., 78° 11'·2E
35fm	77° 38'·4N., 78° 52'·0E
11fm	76° 06'·6N., 81° 09'·0E
4¾ fm (chart 3182, 4½fm)	76° 01'·6N., 81° 49'·8E
18fm	77° 06'·8N., 81° 30'·0E
14fm	77° 14'·7N., 82° 17'·0E
22fm	76° 39'·5N., 82° 11'·0E
1fm	77° 27'·5N., 82° 45'·0E
16fm	76° 41'·8N., 83° 13'·0E
8fm	76° 08'·8N., 83° 41'·5E
51fm	77° 59'·2N., 83° 46'·6E
10fm	77° 19'·8N., 84° 29'·0E
17fm	76° 47'·2N., 84° 31'·0E
15fm	77° 36'·0N., 84° 33'·5E
7½fm	76° 36'·8N., 84° 48'·3E
21fm	75° 42'·9N., 85° 00'·5E
21fm	75° 54'·6N., 85° 40'·0E
8¼fm	76° 29'·7N., 86° 37'·0E
4¾fm	76° 38'·4N., 88° 28'·5E
3. Mariners are advised to proceed with caution when navigating in this vicinity.

Charts affected — 3182 — 2962

Russian Charts 11124, 11133, 12324, 12325, 12326, 12349 (HH.301/410/03).

3909(T)/01 AFRICA, South-West Coast — South Africa — Saint Helena Bay — Buoy

1. Mariners are advised that a yellow and red conical light-buoy, Fl(6)Y.30s has been temporarily established in position 32° 41'·45S., 18° 01'·34E.
2. The buoy will be in position for approximately 12 months.
3. Former Notice 2666(T)/01 is cancelled.

Charts affected — 1232 — 2091 — 4146

South African Notice 8/86(T)/01 (HH.450/400/05).

II

3910(P)/01 INDIAN OCEAN — Seychelles — Mahé — Victoria and approaches — Dredging; Works

1. Mariners are advised that dredging and reclamation works are in progress in the vicinity of Victoria, within an area enclosed by the coastline and a line joining the following positions:
 - (a) 4° 35'·00S., 55° 27'·95E.(shore)
 - (b) 4° 36'·62S., 55° 28'·67E.
 - (c) 4° 38'·00S., 55° 28'·75E.
 - (d) 4° 40'·00S., 55° 30'·74E.(shore)

Chart affected — 722

Ministry of Environment and Transport, Seychelles (HH.461/420/02).

To accompany Notice to Mariners 3843/01

On Chart 131

OBSTRUCTIONS

Numerous concrete structures have been placed on the seabed within the area indicated. The obstructions, intended to discourage illegal trawl fishing activities, are 20 metres apart and connected to each other by steel cables. They rise above the surface of the seabed by about 1.5 metres.

To accompany Notice to Mariners 3851/01

On Chart 1381

ENTRY RESTRICTED

Only those vessels using the SPM at Lagos (6° 21'·87N., 3° 21'·95E.) should enter the area indicated on this chart.

On Chart 2812

ENTRY RESTRICTED

Only those vessels using the SPM at Lagos (6° 21'·87N., 3° 21'·95E.) should enter the area indicated on this chart.

On Chart 590

CHANNEL DEPTHS (see Note)							
SUISUN BAY TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2001							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
① SUISUN PT. REACH	42.9	44.7	47.9	4-01	300	0.8	35
② BULLS HEAD CHANNEL	36.2	36.0	34.9	4-01	300-350	1.2	35
③ EAST BULLS HEAD CHANNEL	32.8	33.6	32.8	4-01	350	1.1	35
④ PT. EDITH CROSSING RANGE	35.6	34.8	28.4	4-01	350	1.1	35
⑤ PRESTON PT. REACH	35.5	34.9	25.7	4-01	350	0.9	35
⑥ ROE ISLAND CHANNEL	30.9	33.2	32.3	4-01	350	1.1	35
⑦ PORT CHICAGO REACH	36.8	37.1	36.3	4-01	350	0.52	35
MIDDLE GROUND CHANNEL							
⑧ WEST REACH	34.7	36.4	34.9	4-01	350	1.29	35
⑨ EAST REACH	34.2	36.5	35.3	4-01	350	1.09	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

On Chart 3095

CHANNEL DEPTHS (see Note)								
HUMBOLDT BAY AND HARBOR								
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 OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL	40.0	44.8	45.7	45.8A	5-01	2100-750	1.0	48
ENTRANCE CHANNEL	39.9B	46.4	47.1	45.8	5-01	750	0.8	48
NORTH BAY CHANNEL	35.6C	37.5	35.4	33.4D	3,5-01	400-500	3.0	38
EUREKA CHANNEL								
OUTER REACH	30.8	31.5	29.6	26.3	5-01	400	0.4	38
INNER REACH	20.0E	20.0F	21.5G	20.2H	5-01	400	1.1	26
SAMOA CHANNEL	38.2	38.1	38.2	36.6	3-01	400	1.3	38
TURNING BASIN	37.8	38.1	38.1	29.4	3-01	400-1000	0.3	38
FIELDS LANDING CHANNEL	24.9	27.7	26.3	22.1	5-01	300	1.9	26
TURNING BASIN	13.8	18.1	28.5	25.8	5-01	300-800	0.1	26
A. SHOALING TO 40.4 FEET IN THE OUTSIDE 50 FEET OF QUARTER.								
B. SHOALING TO 30.5 FEET IN THE OUTSIDE 100 FEET OF QUARTER.								
C. SHOALING TO 29.6 FEET AT 40°45'37.2"/124°13'13.3".								
D. SHOALING TO 27.5 FEET AT 40°45'33.2"/124°13'08.9" AND TO 28.7 FEET FROM 40°46'18.9"/124°12'17.6" TO 40°46'21.7"/124°12'11.7".								
E. SHOALING TO 5.4 FEET FROM 40°48'24.2"/124°10'13.0" TO THE FIRST PIER. FROM WEST TO EAST, 11.4 FEET BETWEEN THE 1ST AND 2ND PIER, 10.4 FEET BETWEEN THE 2ND AND 3RD PIER, 9.6 FEET BETWEEN THE 3RD AND 4TH PIER, 9.0 FEET BETWEEN THE 4TH AND 5TH PIER, 8.3 FEET BETWEEN THE 5TH AND 6TH PIER, AND 7.3 FEET BETWEEN THE 6TH AND LAST PIER. SHOALING TO 6.2 FEET FROM THE LAST PIER TO THE END OF THE CHANNEL.								
F. SHOALING TO 8.1 FEET FROM 40°48'23.4"/124°10'13.8" TO 40°48'27.4"/124°09'32.6", THENCE 6.3 FEET TO END OF CHANNEL IN THE OUTSIDE HALF OF QUARTER. SHOALING TO 11.2 FEET FROM 40°48'23.0"/124°10'13.7" TO 40°48'25.7"/124°09'38.2", THENCE 8.0 FEET TO THE END OF THE CHANNEL IN THE INSIDE HALF OF QUARTER.								
G. SHOALING TO 12.4 FEET IN THE INSIDE HALF OF QUARTER AND SHOALING TO 13.3 FEET IN THE OUTSIDE HALF OF QUARTER, FROM 40°48'22.6"/124°10'10.3" TO THE END OF THE CHANNEL.								
H. SHOALING TO 12.4 FEET IN THE INSIDE HALF OF QUARTER, FROM 40°48'21.6"/124°10'12.4" TO THE END OF THE CHANNEL. SHOALING TO 9.1 FEET IN THE OUTSIDE HALF OF QUARTER, FROM 40°48'19.3"/124°10'22.0" TO THE END OF THE CHANNEL, EXCEPT FOR SHOAL TO BARE FROM 40°48'22.0"/124°10'05.2" TO 40°48'22.8"/124°09'52.5" AND SHOALING TO 4.7 FEET AT 40°48'25.4"/124°09'30.0".								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

On Chart 2839

CHANNEL DEPTHS (see Note)								
COLUMBIA RIVER ENTRANCE TO MILLER SANDS RANGE TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2001								
* SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
ENTRANCE RANGE	57	56	52	41	5-01	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	47	51	49	44	5-01	2640	2.2	48
LOWER DESDEMONA SHOAL	45	45	37	30	5-99;5-01	600	3.4	40
UPPER DESDEMONA SHOAL	40	44	46	45	5-01	600	3.7	40
TANSY POINT TURN AND RANGE	40	41	41	39	5-01	600	4.7	40
ASTORIA RANGE	41	41	39	38	5-01	600	2.7	40
TONGUE POINT CHANNEL	39	42	41	42	5-01	600	2.2	40
HARRINGTON POINT RANGE	38	40	40	39	5-01	600	2.6	40
MILLER SANDS RANGE	38	41	42	40	5-01	600	2.2	40

* CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT.
PROJECT LENGTHS ARE IN STATUTE MILES.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHANNEL DEPTHS (see Note)								
COLUMBIA RIVER PILLAR ROCK LOWER RANGE TO GULL ISLAND TURN AND CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
PILLAR ROCK LOWER RANGE	38	39	40	40	4-01	600	3.0	40
PILLAR ROCK UPPER RANGE	34	43	41	39	4-01	600	1.9	40
WELCH ISLAND REACH	41	45	41	40	4-01	600	3.2	40
SKAMOKAWA CHANNEL	34	41	40	40	4-01	600	3.3	40
STEAMBOAT REACH	49	44	42	42	4-01	600	1.4	40
PUGET ISLAND RANGE AND TURN	37	40	40	40	3,4-01	600	3.5	40
WAUNA RANGE	36	41	43	41	3,4-01	600	2.2	40
DRISCOLL RANGE	40	41	41	42	4-01	600	1.7	40
WESTPORT TURN AND RANGE	37	41	41	41	4-01	600	2.0	40
WESTPORT CHANNEL	39	41	41	36	4-01	600	2.4	40
EUREKA LOWER CHANNEL	46	45	45	44	4-01	600	2.1	40
EUREKA UPPER CHANNEL	40	44	43	44	4,6-01	600	0.8	40
OAK POINT CHANNEL	47	47	46	43	6-01	600	2.4	40
GULL I TURN AND CHANNEL	45	42	43	40	6-01	600	2.2	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

On Chart 3184

To accompany Notice to Mariners 3887/01

On Chart 3854

CHANNEL DEPTHS (see Note)							
FREEPORT HARBOR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 2001							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CHANNEL FROM DEEP WATER TO SEAWARD END OF JETTY	36.0	40.0	41.0	6-01	400	4.3	47
JETTY CHANNEL	40.0	40.0	35.0	6-01	400	1.3	45
LOWER TURNING BASIN	35.0	43.0	37.0	6-01	750	0.1	45
THENCE TO BRAZOSPORT TURNING BASIN	40.0	44.0	40.0	6-01	400-600	0.4	45
BRAZOSPORT TURNING BASIN	42.0	44.0	40.0	6-01	500-1000	0.2	45
CHANNEL TO UPPER TURNING BASIN	33.0	46.0	44.0	6-01	280-470	1.0	45
BRAZOS HARBOR APPROACH CHANNEL	38.0	39.0	39.0	6-01	200-650	0.5	36
BRAZOS HARBOR TURNING BASIN	36.0	38.0	39.0	6-01	750	0.1	36
UPPER TURNING BASIN	45.0	47.0	46.0	6-01	600-1190	0.1	45
CHANNEL TO STAUFFER TURNING BASIN	17.0	19.0	17.5	11-88	200	1.0	25
STAUFFER TURNING BASIN	18.0	18.0	16.0	11-88	500	0.1	25

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

On Chart 3183

On Chart 3186

CHANNEL DEPTHS (see Note)								
GALVESTON BAY AND HOUSTON SHIP CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
GALVESTON HARBOR: ENTRANCE/JETTY CHANNEL	41.0	44.0	43.0	40.0	5-01	800-1000	10.6	45
BOLIVAR ROADS CHANNEL	43.0	43.0	41.0	36.0	10-99	800	0.78	40
HOUSTON SHIP CHANNEL BOLIVAR ROADS TO LOWER END OF MORGAN PT	28.0	36.0	40.0	34.0	6-01	400	22.0	40
ABOVE LOWER END OF MORGAN PT. SEE BA 3187								
GALVESTON CHANNEL	37.0	42.0	42.0	36.0	5-00;6-00;7-00	1125-1075	3.6	40
TEXAS CITY CHANNEL	39.0	44.0	44.0	42.0	4-01	400	5.3	40
TEXAS CITY TURNING BASIN	39.0	41.0	42.0	41.0	8-00	1200	0.6	40
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

On Chart 3187

CHANNEL DEPTHS (see Note)								
HOUSTON SHIP CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HOUSTON SHIP CHANNEL EXXON OIL CO. SLIP TO CARPENTER BAYOU (A)	23.0	30.0	35.0	23.0	6-01	400-525	4.90	40
THENCE TO GREENS BAYOU (B)	33.0	39.0	33.0	21.0	6-01	400-300	4.70	40
A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO. B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

On Chart 3188

CHANNEL DEPTHS (see Note)								
HOUSTON SHIP CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLW (FEET)
HOUSTON SHIP CHANNEL EXXON OIL CO. SLIP TO CARPENTER BAYOU (A)	23.0	30.0	35.0	23.0	6-01	400-525	4.90	40
THENCE TO GREENS BAYOU (B)	33.0	39.0	33.0	21.0	6-01	400-300	4.70	40
GREENS BAYOU CHANNEL (TO FIRST BEND)	29.0	30.0	31.0	31.0	2-01	500-175	0.28	36
THENCE TO HUNTING BAYOU (UPPER BEND)	40.0	42.0	42.0	40.0	10-00	300	2.30	40
TURNING POINT AT HUNTING BAYOU	42.0	43.0	42.0	42.0	10-00	600	0.20	40
THENCE TO SOUTHERN PACIFIC SLIP	40.0	42.0	41.0	40.0	10-00	300	3.10	40
TURNING POINT AT SIMS BAYOU	41.0	42.0	42.0	41.0	10-00	700	0.26	40
THENCE TO HOUSTON TURNING BASIN WHARF 15	38.0	38.0	38.0	38.0	10-00	300	2.70	36
TURNING POINT AT BRADY ISLAND	32.0	38.0	38.0	38.0	1-00	422	0.20	36
HOUSTON TURNING BASIN	35.0	36.0	36.0	36.0	10-00	250-1000	0.60	36
UPPER TURNING BASIN	19.0	20.0	20.0	20.0	10-00	150	0.20	36
A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO. (see Chart 3187) B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP. INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

On Chart 3192

SABINE PASS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE BANK CHANNEL	39	41	42	34	6-01	800	14.7	42
OUTER BAR CHANNEL	42	42	42	42	6-01	800	3.0	42
JETTY CHANNEL	39	42	42	35	6-01	800-500	3.5	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SABINE PASS - SABINE - NECHES CANAL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE PASS								
PASS CHANNEL	22	27	39	27	6-01	500-1150	4.3	40
ANCHORAGE BASIN	32	19	13	6	6-01	1500	0.5	40
PORT ARTHUR SHIP CANAL	36	40	39	33	6-01	500	4.8	40
JUNCTION PORT ARTHUR- SABINE NECHES CANALS	23	33	28	27	6-01	400-1200	1.0	40
ENTRANCE TO PORT ARTHUR								
TURNING BASINS	31	35	36	33	6-01	282-735	0.28	40
EAST TURNING BASIN	35	36	36	37	6-01	370-547	0.3	40
WEST TURNING BASIN	34	35	37	36	6-01	350-735	0.3	40
CHANNEL CONNECTING WEST BASIN AND								
TAYLOR BAYOU TURNING BASIN	38	38	37	35	6-01	200-350	0.6	40
TAYLOR BAYOU TURNING BASIN	37	39	40	35	6-01	90-1233	0.5	40
SABINE - NECHES CANAL								
PORT ARTHUR TO NECHES RIVER	26	34	34	25	6-01	400	10.1	40
NECHES RIVER TO SABINE RIVER	27	29	29	26	6-01	200	3.9	30
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

NECHES RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
MOUTH TO SMITH BLUFF	29	33	36	33	3-01	400	8.3	40
TURNING BASIN AT DEER BAYOU	40	40	38	38	1-01	700	0.15	40
TURNING BASIN AT SMITHS BLUFF	40	37	36	33	3-01	1400-400	0.2	40
SMITH BLUFF TO BEAUMONT	31	39	38	32	6-01	400	8.0	40
TURNING BASIN (30°02'12"N, 94°01'58"W)	33	39	40	37	6-01	400-1306	0.2	40
CHANNEL EXTENSION	33	35	32	28	6-01	350	0.2	36
MANEUVERING AREA (30°04'44"N, 94°05'05"W)	31	39	39	35	6-01	400-1000	0.4	40
BEAUMONT TURNING BASIN	37	37	38	37	6-01	400-535	0.3	34
TURNING BASIN EXTENSION	32	35	33	29	6-01	300	0.2	34
THENCE TO TRINITY INDUSTRIES	19	23	22	20	6-01	200	0.6	30

On Chart 3190

CHANNEL DEPTHS (see Note)								
CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JULY 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL	31.0	35.0	37.0	23.0	7-01	800	19.1	42
JETTY CHANNEL TO (29°46'00"N, 93°20'40"W)	31.0	44.0	47.0	48.0	6-01	400	1.4	40
THENCE TO A POINT (29°52'00"N, 93°20'43"W)	25.0	38.0	40.0	36.0	7-01	400	6.0	40
THENCE TO A POINT (29°58'00"N, 93°20'10"W)	29.0	36.0	38.0	33.0	6-01	400	6.0	40
THENCE TO A POINT (30°04'00"N, 93°19'38"W)	32.0	37.0	36.0	25.0	7-01	400	6.0	40
THENCE TO A POINT (30°09'00"N, 93°19'58"W)	36.0	38.0	40.0	35.0	7-01	400	5.0	40
THENCE TO 210 BRIDGE (30°12'06"N, 93°16'50"W)	37.0	40.0	34.0	37.0	7-01	400	4.4	40
THENCE TO END OF 400 CHANNEL (30°13'09"N, 93°15'08"W)	38.0	40.0	40.0	38.0	7-01	400	2.0	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

On Chart 3841

CHANNEL DEPTHS (see Note)							
HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2001							
CONTROLLING DEPTHS FROM SEAWARD IN METERS AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (METERS)	LENGTH (NAUT. MILES)	DEPTH MLLW (METERS)
HORN ISLAND PASS CHANNEL	12.4	12.3	10.1	8-00	137	4.4	12.2
PASCAGOULA CHANNEL	10.4	10.8	10.2	5-01	106	10.8	11.6
TURNING BASIN	11.6	11.6	11.6	5-01	289	0.4	11.6
BAYOU CASOTTE CHANNEL	9.9	10.4	9.8	2-00,6-01	68	3.3	11.6
TURNING BASIN	11.6	11.6	11.0	6-01	304	0.3	11.6
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

On Chart 3848

On Chart 2810

To accompany Notice to Mariners 3903/01

On Chart 2807

CHANNEL DEPTHS (see Note)								
SAVANNAH RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.0	44.0	44.0	43.0	7-01	600	3.3	44
BLOODY POINT RANGE	43.5	43.0	44.5	43.5	7-01	600	3.0	44
JONES ISLAND RANGE	45.0	44.0	45.0	44.0	7-01	600	1.2	44
TYBEE KNOLL CUT RANGE	42.0	45.0	44.0	43.5	7-01	500	2.5	42
NEW CHANNEL RANGE (A)	39.0	43.0	44.5	41.5	7-01	500	1.6	42
L. I. CROSSING RANGE	43.0	45.0	43.5	42.0	7-01	500	2.6	42
LOWER FLATS RANGE	43.0	47.0	47.0	44.5	7-01	500	1.3	42
UPPER FLATS RANGE	45.0	46.0	46.5	41.0	7-01	500	1.2	42
THE BIGHT CHANNEL	44.5	47.0	48.0	46.5	7-01	500	1.5	42
FT. JACKSON RANGE	46.0	46.0	48.0	43.5	7-01	500	0.7	42
OGLETHORPE RANGE	44.0	45.0	45.0	45.0	7-01	500	1.2	42
WRECKES CHANNEL (B)	40.0	44.0	47.0	46.0	7-01	500	1.5	42
CITY FRONT CHANNEL	43.5	44.0	44.5	36.0	7-01	500	1.5	42
MARSH ISLAND CHANNEL (C)	44.0	45.0	45.5	43.5	7-01	500	1.7	42
KINGS ISLAND CHANNEL (D)	39.5	42.0	39.0	38.5	7-01	500	2.1	42
WHITEHALL CHANNEL (E)	37.0	36.5	36.0	39.0	7-01	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	33.5	32.0	32.0	12-94;7-01	200	1.2	30
A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 41.5 FT 100 FT FROM BACKSIDE.								
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 31.0 FT 100 FT FROM BACKSIDE.								
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 37.0 FT, 29.0 FT 100 FT FROM BACKSIDE.								
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 50.0 FT, 50.0 FT 100 FT FROM BACKSIDE.								
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 100 FT FROM BACKSIDE.								
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 32.0 FT, 28.5 FT 100 FT FROM BACKSIDE.								
NOTE : AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.								
NOTE : FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

To accompany Notice to Mariners 3904/01

On Chart 3686

CHANNEL DEPTHS (see Note)								
MOREHEAD CITY HARBOR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BEAUFORT INLET CHANNEL FROM 2000 FT NORTH OF LTD. BUOY "8"	17.1	42.9	41.1	35.3	11-00	450-800	2.26	47
CUTOFF CHANNEL	48.4	49.9	44.7	29.0	11-00	600	0.38	42
MOREHEAD CITY CHANNEL	34.8	45.2	45.4	41.9	11-00	400	1.10	40
TURNING BASIN								
EAST LEG	42.4	41.2	40.7	40.1	2-01	400-1200	0.70	40
WEST LEG	31.1	33.6	38.8	39.7	2-01	800-1000	0.39	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

To accompany Notice to Mariners 3911/01

On Chart 2126

CAUTION: CHARTS REFERRED TO A WGS 84 COMPATIBLE DATUM

Caution must be exercised in the transfer of positions from this chart to those adjoining/ larger scale/ smaller scale charts which are referred to a WGS 84 compatible datum. For further details, including an example of the calculation of the WGS 84 position, see NM 4731(P)/00.

On Chart 2220

CAUTION: CHARTS REFERRED TO A WGS 84 COMPATIBLE DATUM

Caution must be exercised in the transfer of positions from this chart to those adjoining/ larger scale/ smaller scale charts which are referred to a WGS 84 compatible datum. For further details, including an example of the calculation of the WGS 84 position, see NM 4731(P)/00.

On Chart 2221

CAUTION: CHARTS REFERRED TO A WGS 84 COMPATIBLE DATUM

Caution must be exercised in the transfer of positions from this chart to those adjoining/ larger scale/ smaller scale charts which are referred to a WGS 84 compatible datum. For further details, including an example of the calculation of the WGS 84 position, see NM 4731(P)/00.

On Chart 2491

CAUTION: CHARTS REFERRED TO A WGS 84 COMPATIBLE DATUM

Caution must be exercised in the transfer of positions from this chart to those adjoining/ larger scale/ smaller scale charts which are referred to a WGS 84 compatible datum. For further details, including an example of the calculation of the WGS 84 position, see NM 4731(P)/00.



To accompany Notice to Mariners 3852/01

On Chart 1357

DEVELOPMENT AREAS

The limits of Development Areas are charted around certain oil or gas fields. Surface vessels, subsea craft and divers may be engaged in constructing and servicing installations within these areas. Other vessels are strongly advised to keep outside the charted limits.

On Chart 1862

DEVELOPMENT AREAS

The limits of Development Areas are charted around certain oil or gas fields. Surface vessels, subsea craft and divers may be engaged in constructing and servicing installations within these areas. Other vessels are strongly advised to keep outside the charted limits.

On Chart 1863

DEVELOPMENT AREAS

The limits of Development Areas are charted around certain oil or gas fields. Surface vessels, subsea craft and divers may be engaged in constructing and servicing installations within these areas. Other vessels are strongly advised to keep outside the charted limits.

To accompany Notice to Mariners 3857/01

On Chart 740

VESSEL TRAFFIC SERVICE

For procedures and working details of the Port Victoria Reporting System see Admiralty List of Radio Signals.

On Chart 742

VESSEL TRAFFIC SERVICE

For procedures and working details of the Port Victoria Reporting System see Admiralty List of Radio Signals.



AUSTRALIA – SOUTH COAST
VICTORIA

PORT PHILLIP
SOUTH AND WEST CHANNELS

SCALE 1:37 500

Depths are in metres and are reduced to Chart Datum, which is approximately the level of Indian Spring Low Water.

Heights are in metres. Underlined figures are drying heights, in metres and decimetres, above Chart Datum; all other heights are above Mean Higher High Water.

Positions are related to the Australian Geodetic Datum (1966).
(see SATELLITE DERIVED POSITIONS Note).

Navigational marks: IALA Maritime Buoyage System-Region A (Red to port).

Projection: Transverse Mercator

Acknowledgements: From surveys by Ports and Harbours Division, P.W.D. Victoria to 1969, and a R.A.N. survey of 1967. Soundings in upright figures are from a survey of 1864.

WEST CHANNEL.

On account of extensive changes which occur in the banks and shoals of West Channel and the dredging operations thereto masters should obtain the latest information issued by the Ports and Harbours Division, P.W.D. Victoria.

NON TIDAL CHANGES IN SEA LEVEL AND TIDAL STREAMS

Water level within Port Phillip is much affected by winds blowing for a long period in one direction, and may remain above mean level continuously for some time after Southerly gales, or below mean level continuously for some time after Northerly gales.

At about the time of high and low water in the entrance the stream runs at its strongest, 5 - 8 knots; slack water occurs at about 3 hours before and after high water in the entrance, and the stream runs in from about 3 hours before till 3 hours after high water, out at other times, the time of slack water and the velocity of the stream are affected by wind and freshets.

OMISSIONS FROM CHART

Certain buoys and beacons have been omitted from this chart due to the numerous and complex nature of the aids of navigation.

TIDAL HEIGHTS

Tidal heights for South Channel are transmitted every 15 minutes to Point Lonsdale Signal Station, who can be contacted on VHF Ch 12 for the last height recorded.

ENTRANCE DEPTHS

Vessels with a draught of 11.6m can be navigated through the Heads and South Channel at all stages of the tide.

Vessels with a maximum draught of 12.1m may be navigated through the Heads when tidal and weather conditions are suitable. Masters should be aware that under conditions of high and long period swells from the southern sector, the effects on a ship's dynamics may considerably reduce the under keel clearance when passing over Rip and Nepean Banks.

Vessels with a maximum draught of 12.1m may be navigated through South Channel when the tidal rise is sufficient to give 1.5m gross under keel clearance. Attention is drawn to the note "Non Tidal changes in Sea Level and Tidal Streams."

SATELLITE-DERIVED POSITIONS

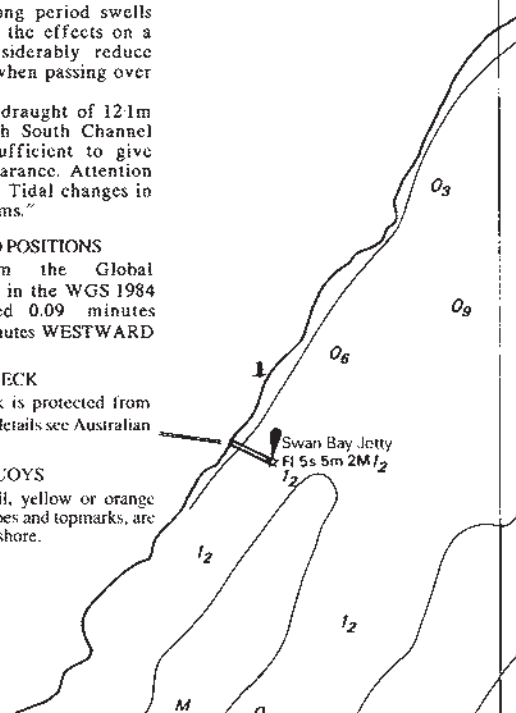
Positions obtained from the Global Positioning System (GPS) in the WGS 1984 Datum must be moved 0.09 minutes SOUTHWARD and 0.08 minutes WESTWARD to agree with this chart.

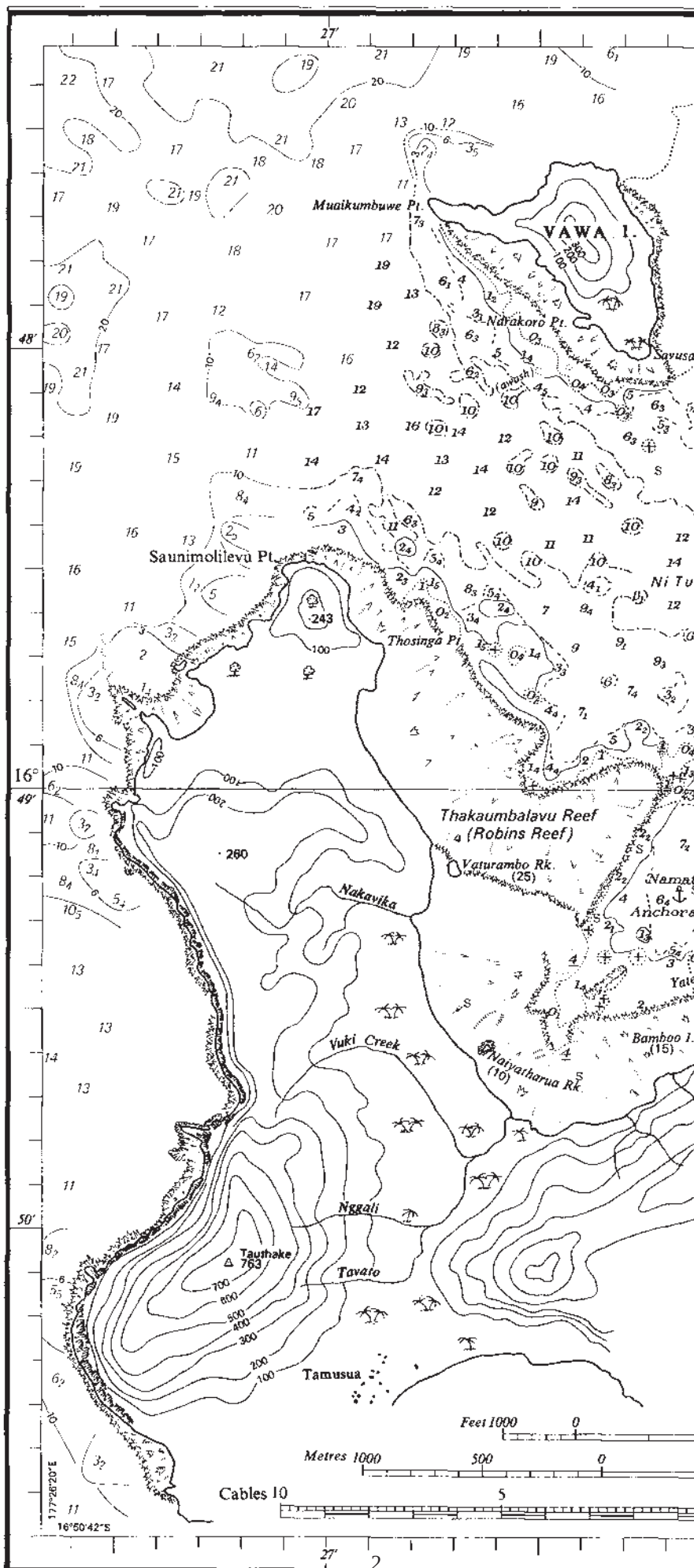
HISTORIC WRECK

The site of an historic wreck is protected from unauthorised interference. For details see Australian Notice to Mariners No 21.

YACHTING BUOYS

Between September and April, yellow or orange yachting buoys of varying shapes and topmarks, are deployed up to three miles offshore.





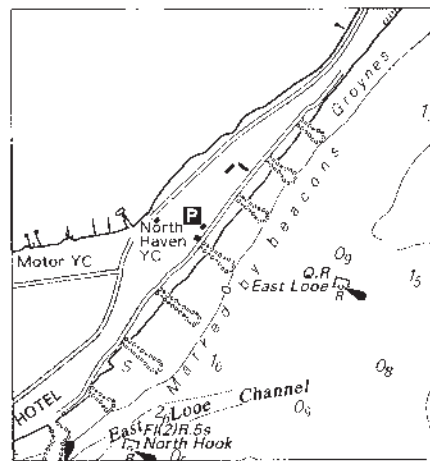
3

This nautical chart depicts the coastal area of North Haven, Connecticut. Key features include:

- North Haven Lake** and **Sand Dunes** along the shoreline.
- North Haven Yacht Club** located near the center of the chart.
- East Loos Channel** and **North Hook** to the south.
- Local Businesses:** Motor Yacht Co., Sandbanks Yacht Co., and various piers and moorings.
- Depth Soundings:** Numerous numerical values in fathoms (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100) are scattered throughout the water area.
- Navigation Symbols:** Various symbols for rocks, shoals, and other navigational hazards are present.
- Geographical Labels:** "Gloynas" is labeled in the upper right corner.

Block for Chart No 2611

To accompany Admiralty Notice to Mariners
No 3826 of 2001



Block for Chart No 2175

III

NAVIGATIONAL WARNINGS

See N.M. 13/01. Messages printed below are all in force on 18 September 2001. 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) 39th Week 27/9/01.

NAVAREA I warnings in force 18/9/01: 2000 series: 082 114 189 397 419 473 533.

2001 series: 062 088 099 101 114 116 151 152 179 222 252 258 269 283 291 303 306 311 320 321 322 333 342 343 351 359 366 375 376 378 379 380 381 382.

373 Cancelled. Cancel 315/01.

374 Cancelled.

375 NORTH AMERICA. United States.

1. Mariners are advised that restrictions are in force on vessels entering many United States ports. Certain ports may be closed to all traffic and entry to others restricted. Vessels may be boarded prior to entry and may also be required to embark armed escorts.

2. Protection zones are established within 500 yards of any U.S. naval vessel and other vessels under U.S. naval control.

3. Details of these restrictions are broadcast in Navarea IV and XII messages and full and up to date information should be obtained from the U.S. Coastguard prior to entering U.S. waters.

376 BRITISH ISLES. DGPS Service.

1. With effect from 180001z Sep 01 onwards DGPS station frequencies, and some ranges, will be altered as follows:

A. Point Lynas Lighthouse, 53°25'N 004°17'W, change to 297.5 kHz.

B. Nash Point Lighthouse, 51°24'N 003°33'W, change to 309.5 kHz.

C. Lizard Lighthouse, 49°58'N 005°12'W, change to 306.0 kHz.

D. St. Catherine's Point Lighthouse, 50°35'N 001°18'W, change to 307.5 kHz.

E. North Foreland Lighthouse, 51°22'N 001°27'E, change to 299.5 kHz.

F. Flamborough Head Lighthouse, 54°07'N 000°05'W, change to 290.5 kHz.

G. Girdleness Lighthouse, 57°08'N 002°03'W, change to 297.0 kHz.

H. Sumburgh Head Lighthouse, 59°51'N 001°16'W, change to 291.5 kHz, 200 Miles.

I. Butt of Lewis Lighthouse, 58°31'N 006°16'W, change to 295.5 kHz, 200 Miles.

J. Loop Head Lighthouse, 52°34'N 009°56'W, change to 293.0 kHz, 150 Miles.

K. Mizen Head Lighthouse, 51°27'N 009°49'W, change to 284.0 kHz, 150 Miles.

2. The DGPS service is liable to interruption until changes have been implemented.

377 Cancelled.

378 NORTHWEST EUROPE AND THE BALTIC SEA. DGPS Service.

1. During 18 and 19 Sep 01 DGPS stations frequencies, and some ranges will be altered. The service will be liable to interruption until changes have been implemented.

2. For details of individual stations monitor National coastal navigational warnings or contact the relevant authority published in Admiralty List of Radio Signals Volume 8.

3. Full details of known changes will be published in Admiralty Notices to Mariners weekly editions 38/01, 39/01 and subsequent weekly editions.

379 RIGLIST. Southern North Sea: 51° to 55°N. Correct at 181000z Sep 01.

52°49'·6N 004°17'·1E Noble Lynda Bossler

53°25'·2N 003°49'·5E Noble Piet Van Ede

53°48'·2N 001°12'·5E Glomar Adriatic 6

53°49'·4N 002°40'·4E Santa Fe Monarch

NOTES:

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

b. ACP - Adjacent to Charted Platform.

2. Cancel 369/01.

III

380 RIGLIST. North Sea: 55° to 60°N, East of 5°W and the Baltic Sea. Correct at 181000z Sep 01.

	55°12'·1N	003°54'·6E	Glomar Adriatic 11
	55°25'·5N	007°15'·4E	Maersk Exerter
NEW	ACP Dan Oil Field		Noble Kolskaya
	55°31'·8N	005°00'·4E	Maersk Endeavour
	55°41'·2N	018°44'·1E	Petrobaltic
NEW	56°00'·2N	003°11'·1E	Glomar Arctic 4
NEW	56°07'·8N	004°24'·6E	Ensco 70
	56°23'·7N	002°15'·3E	Borgny Dolphin
	56°42'·4N	001°41'·4E	Glomar Grand Banks
	56°51'·0N	002°15'·3E	Galaxy 1
	56°54'·5N	001°13'·2E	J. W. McLean
	57°05'·5N	000°51'·1E	Sedco 711
	57°11'·3N	000°44'·4E	Ocean Nomad
	57°14'·0N	001°37'·3E	Santa Fe 140
	57°21'·3N	001°52'·3E	Sedco 714
	58°11'·1N	001°20'·6W	Santa Fe 135
	58°17'·1N	000°28'·0E	Noble Ton Van Langeveld
	58°18'·1N	001°42'·4W	Sedco 704
	58°19'·4N	000°41'·8E	Drill Star
	58°27'·7N	000°26'·5W	Ocean Princess
NEW	58°58'·1N	002°30'·1E	Byford Dolphin
	59°09'·9N	002°29'·2E	Scarabeo 6
	59°10'·6N	001°37'·2E	Paul B. Loyd Jnr
	59°10'·7N	002°22'·8E	Deepsea Bergen
	59°12'·6N	001°31'·4E	Borgsten Dolphin
	59°18'·8N	001°33'·5E	Bredford Dolphin
NEW	59°31'·3N	001°25'·4E	Glomar Arctic 3
	59°34'·9N	001°39'·3E	Stena Spey
	59°42'·5N	002°40'·0E	West Epsilon

NOTES:

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

2. Cancel 370/01.

381 RIGLIST. Norwegian Sea: North of 60°N, East of 5°W. Correct at 181000z Sep 01.

	60°18'·0N	004°09'·9W	Stena Dee
	60°20'·1N	004°02'·2W	Transocean Leader
	60°20'·6N	004°14'·7W	Jack Bates
	60°28'·1N	002°39'·2E	Deepsea Delta
	60°28'·2N	001°49'·2E	Transocean John Shaw
NEW	60°31'·7N	002°42'·6E	Transocean Arctic
	60°35'·2N	004°40'·9W	West Navion
	60°42'·6N	003°30'·4E	West Venture
	60°48'·5N	003°33'·4E	Polar Pioneer
	60°51'·4N	002°39'·0E	Maersk Gallant
	60°55'·6N	000°49'·4E	Petrolia
	60°55'·9N	003°39'·9E	West Vanguard
	61°02'·0N	001°07'·7E	Sedco 712
	61°03'·3N	002°04'·4E	Transocean Wildcat
	61°03'·9N	002°00'·2E	Deepsea Trym
	61°23'·9N	002°04'·1E	Bideford Dolphin
NEW	61°33'·9N	001°36'·4E	Ocean Guardian
	65°10'·0N	006°51'·0E	Transocean Searcher
NEW	65°10'·2N	006°48'·1E	Transocean Winner
	65°17'·2N	007°18'·2E	Transocean Prospect
	66°04'·5N	008°14'·4E	Borgland Dolphin
	71°17'·5N	022°17'·0E	West Alpha

NOTES:

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

2. Cancel 371/01.

III

382 RIGLIST. South and West Coasts of the British Isles. Correct at 181000z Sep 01.

51°12'·3N 008°21'·1W Pride North Sea
54°00'·7N 003°46'·2W Ensco 72
60°30'·8N 005°11'·1W Sovereign Explorer

NOTES:

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

2. Cancel 372/01.

Cancel 312/01. ANM 3368/01 refers.

(2) Navarea II (E Atlantic) 39th Week 27/9/01.

Edited Navarea II warnings in force 18/9/01: NIL.
342 to 348 received.

(3) Navarea III (Mediterranean) 39th Week 27/9/01.

Edited Navarea III warnings in force 18/9/01: 373/01, 466/01.
460 to 488 received.

466 EGYPT, North Coast. Chart BA 2573. Production Platforms established: 31°51'·7N 032°06'·4E and 31°54'·9N 031°54'·0E. Pipeline under construction between above platforms.

(4) Navarea IV (NW Atlantic) 39th Week 27/9/01.

Edited Navarea IV warnings in force 18/9/01: Nil
337 to 363 received.

Note: Mariners attention is drawn to Navarea One 375/01.

(5) Navarea V (W Atlantic) 39th Week 27/9/01.

Edited Navarea V warnings in force 18/9/01: 923/97, 568/98, 055/01, 582/01.
Nil received.

(6) Navarea VI (SW Atlantic) 39th Week 27/9/01.

Edited Navarea VI warnings in force 18/9/01: 101/01, 175/01.
Nil received.

(7) Navarea VII (SE Atlantic) 39th Week 27/9/01.

Edited Navarea VII warnings in force 18/9/01: NIL
117 and 118 received.

(8) Navarea VIII (Indian Ocean) 39th Week 27/9/01.

Edited Navarea VIII warnings in force 18/9/01: 388/00, 268/01, 497/01.
Nil received.

(9) Navarea IX (Persian Gulf, Red Sea, NW Arabian Sea) 39th Week 27/9/01.

Edited Navarea IX warnings in force 18/9/01: NIL.
179 to 194 received.

(10) Navarea X (Australia, New Guinea) 39th Week 27/9/01.

Edited Navarea X warnings in force 18/9/01: 020/00.
Nil received.

III

(11) Navarea XI (Malacca Strait, China Sea, N Pacific) 39th Week 27/9/01.

Edited Navarea XI warnings in force 18/9/01: NIL.
566 to 597 received.

Cancel 352/01. ANM 3860/01 refers.

(12) Navarea XII (NE Pacific) 39th Week 27/9/01.

Edited Navarea XII warnings in force 18/9/01: 415/00.
256 to 266 received.

Note: Mariners attention is drawn to Navarea One 375/01.

(13) Navarea XIII (NW Pacific) 39th Week 27/9/01.

Edited Navarea XIII warnings in force 18/9/01: NIL.
Nil received.

(14) Navarea XIV (SW Pacific) 39th Week 27/9/01.

Edited Navarea XIV warnings in force 18/9/01: 091/01.
198 to 207 received.

(15) Navarea XV (SE Pacific) 39th Week 27/9/01.

Edited Navarea XV warnings in force 18/9/01: 061/01.
Nil received.

(16) Navarea XVI (E Pacific) 39th Week 27/9/01.

Edited Navarea XVI warnings in force 18/9/01: 151/98.
Nil received.

(17) Hydropacs (Pacific, Indian Ocean) 39th Week 27/9/01.

Edited Hydropacs in force 18/9/01: 1272/99, 1426/01.
1479 to 1502 received.

(18) Hydrolants (Atlantic, Mediterranean) 39th Week 27/9/01.

Edited Hydrolants in force 18/9/01: 1516/94, 2002/98, 1581/00.
2448 to 2486 received.

V

AMENDMENTS TO ADMIRALTY LIST OF LIGHTS AND FOG SIGNALS

Volume A, 2001/02. Weekly Edition No. 39, Dated 27th September, 2001.

Last Amendment: Weekly Edition No. 38, dated 20th September, 2001.

0576	- Calshot Spit Lt F (ABP)	50 48·4 1 17·7	Fl W 5s	12	11	Red hull, light-tower amidships	<i>fl 1.</i> Also shown by day when fog signal is operating. Removed; Port hand lightbuoy, Fl W 5s in situ (T) 2001
		...	Horn(2) 60s	...	...	...	<i>bl 2, si 2, bl 2, si 54. TR 2001</i> *
1656	Le Pignon	48 53·5 1 43·4	Fl(2)WR 6s	10	W 9 R 6	Black tower, white band 20	<i>fl 0·5, ec 1·5, fl 0·5, ec 3·5.</i> R005°-150°(145°), W150°-005°(215°) * *
1886	Les Pierres Noires	48 18·7 4 54·9	Fl R 5s	27	19	White tower, red top 28	<i>fl 0·4.</i> For lights southwards <i>see</i> Volume D. TE 2001
	-	...	Horn(2) 60s	...	...	...	<i>bl 2, si 28, bl 4, si 26</i> *
2571·95	-- No 10	53 41·8 0 45·8	VQ R				
*	*	*	*	*	*	*	*
3756			<i>Remove Fog Signal</i>				
3812·8	-- Rumble Rock (The Rumble)	60 28·2 1 07·3	Fl W 10s	8	4	Concrete pillar with platform	<i>fl 0·5.</i> Racon
*	*	*	*	*	*	*	*
4592	- Cairn Point (N)	54 58·5 5 01·8	Fl(2)W 10s	14	15	White tower with balcony 15	<i>fl 0·14, ec 2·36, fl 0·14, ec 7·36</i> * *
5117·5	<i>Remove from List</i>						

Volume B, 2001/02. Weekly Edition No. 39, Dated 27th September, 2001.

Last Amendment: Weekly Edition No. 38, dated 20th September, 2001.

2882·1	--- Rear. 457m from front	58 15·0 8 22·8	Iso R 2s	26	4	Column	Partially obscured by crane (T) 2001 *
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Volume C, 2001/02. Weekly Edition No. 39, Dated 27th September, 2001.

Last Amendment: Weekly Edition No. 38, dated 20th September, 2001.

2412·8	- S end. E Mole. Head. No 1	55 23·6 12 57·2	Oc WRG 10s	7	W 13 W 6 R 10 G 9	White lantern	R265°-303°(38°), G303°-328°(25°), W328°-333°(5°), R333°-005°(32°), W (unintens) 005°-065°(60°), R (unintens) 065°-175°(110°). In line 330° with C2412·6. Also shown by day 1/11-31/3 * *
4082·5	- 2	65 30·3 24 22·5	Fl(2)W 6s	16	6	White metal mast, red top. Wind generator	<i>fl 0·3, ec 1·5, fl 0·3, ec 3·9.</i> Ra refl *

V

Volume C *continued.*

5371	<i>Remove from List</i>						
5748	Farstugrunden	65 19:8 22 45:0	LFl WRG 8s	27	W 9 R 6 G 5	Orange tower, grey base 29	fl 2. W138°-5°-142°(3°5'), R142°-194°(52°), G194°-233°(39°), W233°-342°(109°), R342°-122°(140°), G122°-138°5°(16°5'). Racon
							*
5789	Nygrån	65 01:0 21 41:4	LFl WRG(2+6) 8s	19	W 9 R 6 G 5	White round concrete tower, black band 21	R017°-086°(69°), G086°-110°(24°), W110°-113°5°(3°5°), R113°5°-139°(25°5°), G139°-169°5°(30°5°), W169°5°-171°5°(2°), R171°5°-233°(61°5°), G233°-267°(34°), W267°-283°(16°), R283°-291°(8°), G291°-294°(3°), W294°-017°(83°). Shown 10/7-1/6. Racon. Helicopter platform
							*
6270	- Syrsan	60 19:3 18 30:0	Fl WRG 3s	5	W 6 R 4 G 3	White lantern on round tower, red band	G125°-145°(20°), W145°-149°5°(4°5°), R149°5°-279°(129°5°), G279°-306°(27°), W306°-309°(3°), R309°-about 314°(5°). Shown 6/7-6/6
							*
6648	- Hummelkläpp	59 08:4 18 26:3	Iso WRG 4s	6	W 11 W 10 R 8 R 7 G 7 G 6	Red tower 7	G(intens)244°-252°(8°), W(intens)252°-254°5°(2°5°), R(intens)254°5°-282°5°(28°), G282°5°-302°5°(20°), W302°5°-310°(7°5°), R310°-343°5°(33°5°), G343°5°-032°(48°5°), W032°-038°(6°), R038°-048°(10°), G048°-053°5°(5°5°), W053°5°-055°5°(2°), R055°5°-065°(9°5°). R light on mast 1M N
							*

Volume D, 2001/02. Weekly Edition No. 39, Dated 27th September, 2001.

Last Amendment: Weekly Edition No. 38, dated 20th September, 2001.

0852	- Ar-men	48 03:0 4 59:9	Fl(3)W 20s	29	23	White tower, black top, dark base 37	(fl 0-4, ec 3-6) x 2, fl 0-4, ec 11-6
		...	Horn(3) 60s	...	...	...	(bl 2, si 3) x 2, bl 2, si 48. TD 2001
							*
1154.5	- Notre Dame	47 05:5 2 08:2	Q(9)W 10s	7	3	Black ♂ on black tower, red band 11	
							*

V

Volume D *continued.*

2626	El Cabiño	26 25·5 14 10·9	Fl(3)W 12s	36	9 White round tower, black bands 32	(fl 0·4, ec 2·6) x 2, fl 0·4, ec 5·6. TE 2001
						*
2799·2	- Roque del Palo	28 09·8 15 23·9	Q(3)W 10s	11	8 ⬠ on black post, yellow band on concrete base 6	(fl 0·5, ec 0·5) x 2, fl 0·5, ec 7·5
						*
4380	- Moita Seca	6 06·7 12 16·5	Fl(3)W 10s	20	12 White 6-sided metal framework tower 21	(fl 0·3, ec 1·5) x 2, fl 0·3, ec 6·1. Destroyed (T) 2001
						*
6867·3	<i>Remove from List</i>					
6867·31	--	4 37·0 55 27·4	2 F R(ver)	...	... Orange ▽ on orange beacon	
						*
6867·32	--	4 37·2 55 27·5	Oc R 4s	...	... Orange beacon	
						*
7358·35	- Trunk. No 4	25 06·2 55 09·1	Fl Y	...		(P) 2001. Marked by buoys (T) 2001
*	*	*	*	*	*	*
8570	- SPM	6 21·9 3 21·9	Mo(U)W 15s	...	... Platform	
						*

Volume E, 2001/02. Weekly Edition No. 39, Dated 27th September, 2001.
Last Amendment: Weekly Edition No. 38, dated 20th September, 2001.

0073·2	- Dique de Abrigo. Head	36 44·9 4 04·2	Fl G 5s	9	5 White truncated conical tower, green top 4	fl 0·5. TE 2001
						*
0086	Isla de Alborán. S end. Summit	35 56·4 3 02·1	Fl(4)W 20s	40	10 Grey conical tower and dwelling 20	(fl 1, ec 2) x 3, fl 1, ec 10. TE 2001
						*
3859·5	- Órmos Kióni. Mole. Head	38 27·0 20 41·5	F G	8	3 Green metal column	
						*
3874	- Limín Ayiás Evfimías. Mole. Head	38 18·2 20 36·1	Q G	6	3 Column, on white round hut, green band 6	
						*

V

Volume E *continued.*

4174-87	-- Fishing Harbour. N Mole	38 02-3 23 33-1	F G	7	3	White metal framework tower, green band 6		*
5796-2	- Shelter Mole. Head	41 02-8 37 29-5	Fl G 5s	9	8	White concrete tower 5	<i>fl 0-5</i>	
						*		
5796-4	- Secondary Mole. Head	41 02-8 37 29-6	Fl R 5s	9	8	White concrete tower 5	<i>fl 0-5</i>	
						*		
5813	- N Breakwater. Head	41 58-9 33 46-4	Fl G 3s	14	8	Concrete tower 7		
						*		
5814	- S Breakwater. Head	41 58-7 33 46-2	Fl R 3s	10	8	White metal framework tower 7	<i>fl 0-3</i>	
						*		

Volume F, 2001/02. Weekly Edition No. 39, Dated 27th September, 2001.

Last Amendment: Weekly Edition No. 38, dated 20th September, 2001.

1403-9	- Ldg Lts 165°. Rear. B	1 31-9 101 55-1	Iso W 4s	29	12	White metal framework tower 28	Vis 160-85°-169-15°(8-3°)	*
1404-1	- Ldg Lts about 270°. Rear. C	1 32-2 101 54-5	Iso W 4s	29	12	White metal framework tower 28	Vis 265-75°-274-25°(8-5°)	*
	*							*
1989	- Bagahak	4 56-6 118 38-1	Fl W 5s	70	15	White metal framework tower 11	TE 2001	*
1991	- Pulau Katung Kalungan	4 55-4 118 15-9	Fl W 10s	37	17	Metal framework tower	TE 2001	*
2062	- Sungai Kwandang. About 0-7M W of entrance	0 51-5 122 54-4	Fl W 3s	12	12	Metal post 8	<i>fl 0-5</i>	
						*		
2070	- N Mole. Head	1 29-9 124 50-1	Fl R 3s	12	12	White beacon 6	<i>fl 0-5</i>	
						*		
2105	- Tg Kayumerah	0 45-7 127 21-8	Fl(2)W 15s	32	16	White framework tower 9	<i>fl 0-5, ec 2-5, fl 0-5, ec 11-5</i>	
	*					*		
2110-3	<i>Remove from List</i>							

V

Volume F *continued.*

2110-5	-- Kupakupa. Oil Depot	1 37-4 127 59-4	Fl W 3s	10	10	White beacon	
	*			*		*	
2123	- Tahuna. Tg Bunakeng	3 35-9 125 29-1	Fl W 3s	130	25	White metal framework tower	<i>fl 1</i>
						30	
						*	
2124	--	3 36-7 125 29-5	Fl(2)W 8s	32	16	White metal building	<i>fl 0-5, ec 1-5, fl 0-5, ec 5-5.</i> Vis 036°-074°(38°). Shown when vessels are expected
						9	
						*	
2135	Marore	4 44-5 125 28-5	Fl(2)W 10s	180	23	White beacon	<i>fl 0-5, ec 2-5, fl 0-5, ec 6-5.</i> Racon
						40	
						*	
2378	- TAGBILARAN HARBOUR. Tagbilaran. No 1 (PCG)	9 39-6 123 49-6	Fl G 3s	10	6	6-sided green tower	<i>fl 0-7.</i> F G on church 2M SE. TE 2001
						5	
							*
2390	- Cautit Island (PCG)	10 16-4 123 52-9	Fl W 5s	...	10	...	TE 2001
							*
3218	Cua Tung	17 01-5 107 06-5	Fl W 4s	37	15		
*	*	*	*	*	*	*	*
3327-15	-- Qishui Gang. A	20 44-6 109 44-8	Fl W 4s	8	6	White round stone masonry pile	<i>fl 0-5.</i> Fishing
						7	
							*
3327-16	--- B	20 44-6 109 44-9	Fl(3)W 10s	15	6	White round stone pile	Fishing
						14	
*	*	*	*	*	*	*	*
4223-8	- Daeheuksando. Gallarimal	34 38-4 125 23-2	Fl W 6s	46	8	White 6-sided metal tower	
						6	
*	*	*	*	*	*	*	*
4280-7	Wando Bridge. Left. L2, L3	34 23-9 126 37-8	F G	3	4	Green □	
	- Centre. C2, C3	...	F W	3	7	○ with red stripes	
	- Right. R2, R3	...	F R	3	5	Red △	
	*		*	*	*	*	
4280-71	<i>Remove from List</i>						
4280-72	<i>Remove from List</i>						
4295-8	P'yong-ilto. Satong Hang. S Breakwater	34 19-8 127 05-0	Fl(2)R 6s	10	5	Red 8-sided concrete tower	
						8	
						*	

V

Volume F *continued.*

4295-82	-- N Breakwater	34 20-0 127 05-0	Fl G 5s	10	5	White 8-sided concrete tower	8	*
4296-7	Taebayongp'ungdo	34 16-8 127 09-6	Fl W 6s	12	8	White round concrete tower	9	*
4297-25	-- E Breakwater	34 23-6 127 16-0	Fl R 5s	9	5	Red 8-sided concrete tower	8	*
4299-75	Naebal Hang. S Breakwater	34 28-7 127 20-8	Fl G 5s	9	5	White 8-sided concrete tower	8	*
4658-5	Wai-san-ting Chou. Wen-Kan Tui	23 27-4 120 00-7	Fl W 4s	34	12	Black pyramidal framework tower	32	fl 0-6. Ra refl. Racon * *
5608-4	Kosaitsuno Kō. Breakwater. Head	32 45-5 132 46-1	Iso G 4s	15	9	White tower	9	*
5756-1	-	34 43-9 134 22-4	Fl R 4s	9	6			*
*	*	*	*	*	*	*		*
5834-22	--	34 35-4 135 01-3	Fl R 3s	7	3			*
*	*	*	*	*	*	*		*
KUSHIMOTO KŌ								
6000-5	- Northeastwards	33 31-8 135 52-5	Fl R 3s	9	3			*
*	*	*	*	*	*	*		*
6368	Daini Kaiho. Fort No 2	35 18-7 139 44-5	Fl WR 5s	19	W 18 R 18	White round metal tower, concrete base	12	R222°-310°(88°), W310°-222°(272°). Racon
		...	Horn(2) 25s	...	...	...		bl 4, si 2, bl 4, si 15 * *
7616-2	-	45 01-9 136 38-8	Fl R 3s	...	2			*
*	*	*	*	*	*	*		*

V

Volume G, 2000/01. Weekly Edition No. 39, Dated 27th September, 2001.

Last Amendment: Weekly Edition No. 38, dated 20th September, 2001.

5161	- A. Lts in line 090°. Front	49 00-1 123 05-4	F WRG	55	... Orange  on grey framework tower 9	F R087-5°-088-5°(1°), Al RW088-5°-089-5°(1°), F W089-5°-090-5°(1°), Al WG090-5°-091-5°(1°), F G 091-5°-092-5°(1°). Shown 24 hours
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Volume J, 2000/01. Weekly Edition No. 39, Dated 27th September, 2001.

Last Amendment: Weekly Edition No. 38, dated 20th September, 2001.

3915-511	Lower Belmont Crossing. Lower Side. Ldg Lts 049-2°. Front	30 01-1 90 46-0	F G	15	7 White  , green stripe, on framework tower	Intens on rangeline
		*			*	
3915-513	--- Rear. 98m from front	30 01-2 90 45-9	F G	23	7 White  , green stripe, on framework tower	Intens on rangeline
		*			*	
3915-536	- Upper Side. Ldg Lts 049-2°. Front	30 01-1 90 46-1	F R	15	7 White  , red stripe, on framework tower	Intens on rangeline
		*			*	
3915-538	--- Rear. 120m from front	30 01-2 90 46-1	F R	23	7 White  , red stripe, on framework tower	Intens on rangeline
					*	
5084-8	- Cayo Blanco de Zaza. S point	21 35-9 79 35-9	Fl W 12s 580	15	8 White metal framework tower, concrete base 12	TE 2001
						*
5085	- Estero Tunas de Zaza. No 6	21 36-4 79 33-0	Fl R 4s	4	3 Red  on GRP beacon	TE 2001
						*
5085-5	- Muelle de Tunas	21 37-8 79 33-0	Fl Y 7s	4	3 Yellow  on yellow GRP beacon	TE 2001
						*
5086	-- Entrance. E side. No 8	21 37-8 79 33-6	Fl R 6s	4	3 Red  on GRP beacon	TE 2001
						*
5087	- No 1	21 39-3 79 46-5	Fl G 5s	...	3 Green  on green beacon	TE 2001
						*
5087-2	- No 3	21 39-5 79 47-7	Fl G 3s	...	3 Green  on green beacon	TE 2001
						*
5087-3	- No 4	21 39-6 79 48-0	Fl R 4s	...	3 Red  on red beacon	TE 2001
						*
5087-5	Remove from List					

V

Volume J *continued.*

5087-6	- No 8	21 39:3 79 48:5	Fl R 4s	...	3	Red △ on red beacon	TE 2001	
								*
5087-7	<i>Remove from List</i>							
5087-8	- No 11	21 40:0 79 51:0	Fl G 5s	...	3	Green □ on green beacon	TE 2001	
								*
5087-9	- No 14	21 40:3 79 51:3	Fl R 6s	...	3	Red △ on red beacon	TE 2001	
								*
5088	<i>Remove from List</i>							
5088-1	<i>Remove from List</i>							
5088-2	<i>Remove from List</i>							
5088-3	<i>Remove from List</i>							
5090-55	- Banco Derribada	21 42:0 79 57:9	Fl G 5s	4	3	Green □ on column on platform on piles	TE 2001	
								*
5650	Sombrero. SE side. (DETR)	18 35:2 63 25:6	Fl W 10s	28	17	White column	<i>fl 0-14.</i> Racon	
								*
6374	- Kaap Sint Marie	12 11:4 69 03:4	Fl(2)W 6s	12	9	Red square metal tower 6		
			*					*

Volume K, 2001/02. Weekly Edition No. 39, Dated 27th September, 2001.

Last Amendment: Weekly Edition No. 38, dated 20th September, 2001.

1416	- Tg Telan	3 27:0 114 30:1	Fl R 5s	7	8	Red □ on red beacon 6	<i>fl 0-5</i>	
								*
1418	- S Jinga	3 23:9 114 29:6	Fl R 4s	7	8	Red □ on red beacon	<i>fl 0-5</i>	
								*
4547-5	<i>Remove from list</i>							
4549	- Cape Fournier (M)	44 03:0 176 20:0	Fl(2)W 15s	88	9	Aluminium tower 4	<i>fl 1, ec 2, fl 1, ec 11</i>	
*	*	*	*	*	*	*		*
4706-5	- Black Rocks. SE of Malololailai Island	17 47:4 177 13:0	Aero Fl W 7s	3	5	Wooden post on concrete base		
		*	*	*	*	*		
4789-5	Marina de Pandop. Jetty. Head	20 35:0 164 16:2	Q G	...	...	...	(P) 2001	
*	*	*	*	*	*	*		*

V

Volume K *continued.*

4964	- Récif Barrière de Faaa. Chenal de Faaa	17 32·6 149 35·3	Q G	4	5	Green △ on beacon	
				*	*		
4964·3	---	17 32·8 149 35·9	Fl R 2·5s	5	5	Red □ on beacon 6	<i>fl 0·5</i>
				*	*	*	*
4964·4	---	17 33·1 149 36·9	Q R	5	5	Red □ on beacon 11	Obstruction light on tower 480m SE
				*	*	*	
4964·51	---	17 33·2 149 37·9	Fl(2)G 6s	14	9	White pylon 14	
	*			*	*	*	*
4964·6	---	17 33·5 149 37·3	Fl G 2·5s	4	5	Green △ on beacon 6	<i>fl 0·5</i>
				*	*	*	*
4964·9	---	17 34·6 149 37·3	Q R	4	5	Red □ on beacon 9	
				*	*	*	
4965	---	17 35·1 149 37·0	Fl R 2·5s	4	5	Red □ on beacon 4	
				*	*	*	
4965·2	---	17 35·4 149 37·0	Q R	4	4	Red □ on beacon 7	
				*	*	*	
4965·25	---	17 35·6 149 36·9	Fl G 2·5s	4	5	Green △ on beacon 6	<i>fl 0·5</i>
				*	*	*	
4965·3	---	17 35·8 149 36·8	Q G	4	5	Green △ on beacon 6	
				*	*	*	
4965·4	---	17 35·9 149 36·8	Q(3)W 5s	4	4	Black beacon, yellow band 6	R light on TV mast 5M ESE
			*	*	*		
4998·51	-- Beacon	15 06·2 148 13·4	Q R	3	4	Red △ on red beacon 6	
*	*	*	*	*	*	*	*
4998·515	---	15 06·1 148 12·2	Fl G 2·5s	3	5	Green □ on green beacon 6	<i>fl 0·5</i>
*	*	*	*	*	*	*	*
5001·185	- Kiritia. WSW	16 04·2 145 37·2	Q R				
*	*	*	*	*	*	*	*

V

Volume K *continued*.

5001-28	- Oreihara Westwards	16 16-0 145 32-9	Fl R 2-5s	...	...	Red □ on red beacon	<i>fl 0-5. TE 2001</i>	*
0900	SE Sandholme. Ærsteinen	62 48-3 6 35-8	Iso WRG 6s	6	W 4 R 3 G 3	Lantern on concrete base	R212°-217°(5°), W217°-248°(31°), G248°-337°(89°), W337°-032°(55°), R032°-066°(34°), G066°-095°(29°), R095°-098°(3°). Shown 16/7-21/5	*
0934	- S Entrance. Julholmen	62 44-1 6 58-6	Oc(2)WRG 8s	7	W 7 R 5 G 4	Small hut	G332°-340°(8°), W340°-025°(45°), R025°-130°(105°), G130°-150°(20°), W150°-156°(6°), R156°-162°(6°), W162°-178°(16°), G178°-198°(20°). Shown 16/7-21/5	*
0942-4	- Drønesundvågen (Drynjasundvågen)	62 39-7 6 34-3	Oc WRG 6s	6	W 5 R 3 G 3	GRP lantern on concrete column	G279°-061-5°(142-5°), W061-5°-077-5°(16°), R077-5°-121°(43-5°), W121°-158°(37°), G158°-198°(40°). Shown 16/7-21/5	*
2894	Litle Bremholmen	68 10-8 14 21-0	Fl(2)WRG 5s	23	W 7 R 5 G 4	White lantern on piles	R237°-249°(12°), W249°-260°(11°), G260°-270°(10°), R270°-356°(86°), W356°-009°(13°), G009°-029°(20°), R029°-040°(11°), W040°-050°(10°), G050°-074°(24°), R074°-081°(7°). Shown 7/8-29/4	*
3023	- Trettskjæret Vestre	67 30-1 12 03-6	Iso G 2s	...	...	...	Floodlit	*
3098	- MELBU HAVN. Mole. Head	68 29-8 14 48-2	Iso R 2s	4	4	Lantern on wooden post	Shown 7/8-29/4. Floodlit	*
3099	-- S Mole. Head	68 29-7 14 48-7	Iso G 2s	5	4	Lantern on wooden post	Shown 7/8-29/4. Floodlit	*

V

Volume L *continued*.

3628-4	- Kobben. Haugbergheset	69 31·1 19 01·1	Oc(2)WRG 8s	4	W 9 White lantern, concrete base R 9 G 7	R033·5°-048·5°(15°), W048·5°-093·5°(45°), G093·5°-126·5°(33°), W126·5°-136·5°(10°), R136·5°-209°(72·5°), W209°-214°(5°), G214°-232°(18°). Private. Shown 10/8-26/4
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VI

AMENDMENTS TO ADMIRALTY LIST OF RADIO SIGNALS

Weekly Edition No. 39 dated 27 September 2001

VOLUME 1, 2001/02—PART 1

Published Wk 31/01

(Last Amendments: Weekly Edition No. 38 dated 20 September 2001)

Page 187, **POLAND, Witowo (SPS) [2932]**

Delete station and replace by:

Witowo (SPN) (SPS) [2932]

54°33'N 16°32'E

TELEPHONE: +48 59 8109425 / 8425943

FAX: +48 59 8425943

TELEX: 63 58 4310 WIRAD PL

1. GMDSS

**Digital Selective Calling (DSC):
Distress and Safety**

MMSI 002610210

Sea Areas: A1: Ch 70

A2: 2187.5

For full details and location of antenna sites see ALRS Volume 5

Public Correspondence

Antenna site located at:

Barzowice (54°29'N 16°30'E)

Transmits	Receives
Ch 70	Ch 70
2177	2189.5

Hours of Watch
H24
H24

Telex

Distress and Safety

2174.5

2174.5

On request

2. RT (MF)

2182

2182

H24

2639 2720

2054

H24

4378

4085

On request

TRAFFIC LISTS: 2720 kHz: 0005 0405 0805 1205 1605 2005

3. VHF

CALL: Witowo Radio

Antenna sites are located at:

Barzowice	Ch 16 25 26	54°29'N 16°30'E
Kołobrzeg	Ch 16 24 25	54°10'N 15°33'E
Rowokół	Ch 16 25 26	54°39'N 17°13'E

HOURS OF WATCH: H24

TRAFFIC LISTS: Ch 25: 0005 0405 0805 1205 1605 2005

4. Telex [2932]

2643.5

2543.5

H24

Polish Radio List 39/01

Page 256, diagram, **UNITED KINGDOM, HM Coastguard,
MF and VHF Radiotelephone Network**

Delete all references to: Tyne Tees

39/01

Page 259, **UNITED KINGDOM, Humber** (Coastguard MRSC)

Line 4, delete OPERATIONAL AREA to Sand Fort and replace by:

OPERATIONAL AREA: England / Scotland border to Haile Sand Fort

39/01

Pages 263 and 264, **Tyne Tees** (Coastguard MRSC)

Delete station

39/01

Page 317, diagram, **UNITED KINGDOM AUTOMATIC SHIP
IDENTIFICATION AND REPORTING SYSTEM (AIRS)**

Delete: Tyne / Tees 002320006

Maritime and Coastguard Agency (HH080/001/20 – E37 & E39) 39/01

VOLUME 1, 2001/02—PART 2

Published Wk 31/01

(Last Amendments: Weekly Edition No. 38 dated 20 September 2001)

Page 44, **AUSTRALIA, Penta Comstat, Gosford (VZX)**

Delete station and replace by:

Penta Comstat, Firefly (VZX) [0090]

32°04'S 152°14'E

TELEPHONE: +61 2 6559 1888

FAX: +61 2 6559 1885

E-MAIL: info@pentacomstat.com.au

WEBSITE: www.pentacomstat.com.au

Continued on next page

VI

1. Digital Selective Calling (DSC): Public Correspondence

Transmits	Receives
4219.5	4208
6331	6312.5
8436.5	8415
12657	12577.5
16903	16805
22444	22374.5

MMSI 005030005

Hours of Watch
H24
H24
H24
H24
H24
H24

VOLUME 2, 2001

Published Wk 8/01

(Last Amendments: Weekly Edition No. 37 dated 13 September 2001)

RADIOBEACONS AND RADIO DIRECTION-FINDING STATIONS

2. RT (MF)

2182	2182	On request
2032	2032	On request
2524	2524	On request

3. RT (HF)

4125	4125	0700–2000 LT
4146	4146	On request
4354 ¹	(429) 4354	
4483	4483	
6215	6215	0700–2000 LT
6227	6227	On request
6522 ¹	(608) 6221	0700–2000 LT
8291	8291	0700–2000 LT
8294	8294	On request
8713 ¹	(836) 8713	0700–2000 LT
12290	12290	0800–1800 LT
13176 ¹	(1234) 12329	0800–1800 LT
16420	16420	0800–1800 LT
17365 ¹	(1642) 16483	
22822 ¹	(2243) 22126	

0001 VHF DIRECTION-FINDING SERVICE

Hartlepool

Line 2, delete MRSC Tyne/Tees and replace by: MRSC Humber

39/01

Newton

Line 2, delete MRSC Tyne/Tees and replace by: MRSC Humber

39/01

Tynemouth

Line 2, delete MRSC Tyne/Tees and replace by: MRSC Humber

Maritime and Coastguard Agency (HH080/001/20 – E38) 39/01

(1) Ship–Shore–Ship SELCALL available for suitably equipped vessels 0700–2000 LT

Penta Marine Radio (HH080/021/12 – E8) 39/01

VOLUME 3, 2001/02—PART 1

Published Wk 24/01

(Last Amendments: Weekly Edition No. 35 dated 30 August 2001)

RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS

Page 63, **CHINA**, NAVTEX [R] [O] [N] [M] [Q]

Weather Bulletins section, line 4, delete **Storm Warnings** in Chinese and English and replace by: **Storm Warnings** in English

39/01

VI

Pages 63 and 64, **CHINA, Guangzhou (Kwangchow / Canton) (XSQ)**

Delete station and replace by:

Guangzhou (Kwangchow / Canton) (XSQ)				
A	445	WT (MF)		H24
B	4340	WT (HF)		1000–2200
C	6382	WT (HF)		2200–1000
D	8458	WT (HF)		H24
E	12973	WT (HF)		H24
F	4219 (419)	RADIO–TELEX		1200–0000
G	6329 (631)	RADIO–TELEX		0000–1200
H	8431 (830)	RADIO–TELEX		H24
I	12622.5 (1288)	RADIO–TELEX		H24
J	16854 (1696)	RADIO–TELEX		H24
DIAGRAM: page 65				

Weather Bulletins		Navigational Warnings	
A–E: At the end of the first silence period after receipt 0248 0448 1048 1448 1648 2048 2248	Storm Warnings: In Chinese and English	A–E: At the end of the first silence period after receipt 0248 0448 1048 1448 1648 2048 2248	In Chinese and English for coastal waters of China S of 24°N
F, H–J: 1320 G–J: 0120	Storm Warnings Tropical Storm Warnings, 24 hour forecast. In English	A, C–E: 0200 0730 A, B, D, E: 1400 F, H–J: 1320 G–J: 0120	In Chinese for coastal waters of China S of 24°N
A, C–E: 0030 A, B, D, E: 1230	Tropical Storm Warnings, 24 hour forecast. In English	A, C–E: 0600 G–J: 0720	In English for coastal waters of China S of 24°N
A, C–E: 0100 A, B, D, E: 1300	Tropical Storm Warnings, 24 hour forecast. In Chinese.		

China Shipping Telecom Co. Ltd. (HH080/019/09 – E10) 39/01

Pages 92 to 94, **FRANCE, Météo France**

Delete station and replace by:

Météo France
Telephone / Fax / Telex / Internet / Satellite Marine Weather Information Services
All requests for supplementary information concerning the following services and products should be addressed to: Météo France – Direction commerciale et de la communication–Produit “marine” 1, quai Branly 75340 Paris Cedex 07 Telephone: +33 01 45 56 74 36 Fax: +33 01 45 56 71 70 E-mail: marine@meteo.fr Website: www.meteo.fr

Continued on next page

VI

Telephone: 08 92 68 08 08	Available in metropolitan France and the bordering countries
A 24 hour recorded telephone marine weather information service is available which brings together most of the Météo France bulletins. The choice of bulletin is made on the telephone keypad. An opportunity is given to interrupt the bulletin whilst listening, to repeat the bulletin or to choose another bulletin. By pressing keys * then 1, access is gained to the main menus “Météo des plages (beaches)” and “Météo marine (sea)” “Beach” bulletins: (from 01/06 to 30/09): weather conditions, wind, air and sea temperature and state of the tide at different points along the coast of the departments. “Funboard” bulletins: wind measurements and movement for all the “spots” in the departments. “Surf” bulletins: state of the waves on the beaches of the departments. “Seaside” or “Shore” bulletins: Forecasts up to 7 days with an indication of reliability, for the coastline of the department and containing supplementary information adapted for local nautical activities (tide times, signal station observations, seawater temperature etc.) “Coast” bulletins: bulletins covering coastal areas in 20 mile bands from the Belgian frontier to the Spanish frontier (5 bulletins), from Port Vendres to Menton (3 bulletins), coast of Corse (1 bulletin). Warnings of high winds (Bulletins Meteorologique Special (B.M.S.) – coastal), general situation, forecasts up to 7 days with an indication of reliability, observations of several signal stations. “At Sea” bulletins: warnings of freshening winds, gales or storms, general situation and movement, forecasts with an indication of reliability. A choice of 3 areas is given: English Channel and Southern North Sea, Atlantic (Golfe de Gascogne) and Northern sector of the Western Mediterranean. “DOM-TOM” bulletins: meteorological conditions observed and forecast in the DOM-TOM*. In case of the risk of a cyclone, these bulletins are repeated as often as the situation requires. *NOTE: DOM-TOM — an overseas meteorological service; Départements d’Outre-Mer and Territoires d’Outre-Mer. DOM includes La Guadeloupe (Leeward Islands), Martinique (Windward Islands), Guyane Française, Sainte-Pierre et Miquelon and Réunion. TOM includes Polynésie Française and Nouvelle-Calédonie.	
Telephone: 08 92 68 08 77	Available in metropolitan France and the bordering countries
A service particularly intended for users of dial telephones and radio-telephones or who cannot use the usual method of access with a touch-tone keypad. The choice of bulletin is made by using the word “STOP” after the headings have been announced. “At Sea” bulletins: warnings of freshening winds, gales or storms, general situation and movement, forecasts up to 7 days with an indication of reliability. A choice of 3 areas is given: English Channel and Southern North Sea, Atlantic (Golfe de Gascogne) and Northern sector of the Western Mediterranean.	
Telephone: 08 92 68 02xx (xx = number of the chosen coastal department).	Available in metropolitan France and the bordering countries
“Seaside”, “Shore”, “Coast”, “Funboard” or “Surf”.	
Telephone: 08 99 70 08 08	Available internationally
International Service: The bulletins broadcast are not “marine” bulletins, they do not give information about marine conditions nor gale warnings. Nevertheless they can give useful information to mariners. Detailed forecasts for up to 5 days: for 15 countries: Southern Europe (Spain, Greece, Italy, Malta, Portugal and Turkey), North West Africa (Algeria, Morocco and Tunisia), Western Europe (Germany, Belgium, United Kingdom, Ireland, Luxembourg and The Netherlands) Detailed forecasts up to 3 days for 52 towns worldwide.	

Continued on next page

VI

Telex (Minitel)	<i>Available internationally</i>
TELEX: 3615 METEO use key word MER Minitel is Météo France's commercial telex service which allows access to the following services: "Seaside", "Shore", "Coast", "Funboard" or "Surf" Signal Station observations in real time. TELEX: 3617 METEO This service combines all the information about foreign countries (observations in real time, climatology and forecasts). Minitel is also accessible through the INTERNET and the Netherlands PRESTEL system.	
Internet	<i>Available internationally</i>
www.meteo.fr Météo France Home Page. Comprehensive and regularly updated. www.meteo.fr/marine/ Météo France, Marine Page comprising a free section with all the information from <i>Guide Marine</i> (regularly updated), all safety bulletins in real time and other information. A subscription only section which is in the process of being developed.	
Navifax: 05 61 07 85 55	<i>Available in metropolitan France</i>
This service is accessible by subscription near to the centres of the Météo France departments. The selection and order of required documents is made on line, usually from a fax machine. The document is received by the subscriber during the same communication. The catalogue comprises marine forecast bulletins, charts showing fronts and isobars (analysis and forecasts for 24, 48 and 72 hours) and models showing wind, pressure and swell in specific maritime areas or stretches of water. <i>The Navifax service is charged every quarter to the subscriber.</i>	
Navifax-Direct:: 08 99 70 18 52	<i>Available in metropolitan France</i>
This service allows the receipt, directly by fax and without subscription, of a Météo marine document (a single document, bulletin or chart) on request. It is not accessible from outside metropolitan France, nor by digital equipment or mobile telephone. The catalogue comprises charts, B.M.S., bulletins or short and average expiry for the following areas: English Channel and Irish Sea, Golfe de Gascogne, Western Mediterranean, seaward of Western Europe, North Atlantic (Europe – Antilles route) as well as bulletins prepared in English for the "GMDSS".	
Navimail	<i>Available internationally</i>
Navimail is a service which supplies, on request, meteorological information in the form of digital data (wind, air pressure, waves and sea surface temperature), safety bulletins and satellite images via e-mail. It requires the use of Inmarsat equipment and a computer. This service is available 24 hours a day for all sea areas of the world.	
Rivatel	<i>Available internationally</i>
This is a specialist service allowing the user to view meteorological information in real time, offering the possibility of constantly viewing the most recent meteorological conditions. The available products are: satellite images, terrestrial observations, "seaside" and "at sea" bulletins, B.M.S. and charts of fronts and isobars (analysis and forecasts for 24, 48 and 72 hours). Information is automatically downloaded from satellite and viewed on a computer. The subscriber (Port Office, Harbour Master, Tourist Office etc.) may also insert their own announcement to users.	

French Notice 21/01 and M/Y Braveheart (HH080/007/07 – E33) 39/01

VOLUME 3, 2001/02—PART 2

Published Wk 24/01

(Last Amendments: Weekly Edition No. 35 dated 30 August 2001)

RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS

Page 41, **AUSTRALIA, Brisbane (VIB)**

Delete station

Australian Bureau of Meteorology and Day Watson (HH080/021/12 – E9 and HH080/097/07 – E14) 39/01

VI

Page 41, Darwin (VID)

Delete **Weather Bulletins** and **Navigational Warnings** and replace by:

Weather Bulletins		Navigational Warnings	
A: Every even H+03 (On frequencies in use at the time)	Storm Warnings: Gale warnings for Area Northern, gale and strong wind warnings for coastal waters of Northern Territories/Western Australia (Northwest Cape to WA-NT border)	A: 1203 2203 LT (On frequencies in use at the time)	NAVAREA X warnings. Numbers of NAVAREA warnings in force (more than 6 days old)
A: 1203 2203 LT (On frequencies in use at the time)	Gale warnings, synopsis, 24 hour forecast for Area Northern.	A: 0803 1803 LT (On frequencies in use at the time)	For coastal waters of Northern Territories/Western Australia (Northwest Cape to WA-NT border)
A: 0803 1803 LT (On frequencies in use at the time)	Gale and strong wind warnings, synopsis, 24 hour forecast for coastal waters of Northern Territories/Western Australia (Northwest Cape to WA-NT border)		

39/01

Pages 41 and 42, Melbourne (VIM)

Delete **Weather Bulletins** and **Navigational Warnings** and replace by:

Weather Bulletins		Navigational Warnings	
A: Every odd H+48 (On frequencies in use at the time) for up to 6 hours	Storm Warnings: Gale warnings for Area South-Eastern and coastal waters of Victoria, Tasmania and South Australia.	A: 1148 2348 LT (On frequencies in use at the time)	NAVAREA X warnings Numbers of NAVAREA warnings in force (more than 6 days old)
A: 1148 2348 LT (On frequencies in use at the time)	Gale warnings, synopsis, 24 hour forecast, for Area South Eastern	A: 0748 1348 1948 LT (On frequencies in use at the time)	For coastal waters of Victoria, Tasmania and South Australia.
A: 0748 1348 1948 LT (On frequencies in use at the time)	Gale and strong wind warnings, synopsis, 24 hour forecast, for coastal waters of Victoria, Tasmania and South Australia.		

Australian Bureau of Meteorology and Day Watson (HH080/021/12 – E9 and HH080/097/07 – E16) 39/01

Page 42, Penta Comstat, Firefly (VZX)

Delete station and replace by:

Penta Comstat, Firefly (VZX)				
A	4483	RT (HF)		
B	6522 (608)	RT (HF)		
C	8713 (836)	RT (HF)		
D	13176 (1234)	RT (HF)		
E	17365 (1642)	RT (HF)		
F	22822 (2243)	RT (HF)		

DIAGRAM: page 48

Weather Bulletins		Navigational Warnings	
A–C: 0925 1925 LT	Storm Warnings: Gale and strong wind warnings for the coastal waters of New South Wales from the Queensland border to Gabo Island and adjacent ocean waters	B, C: 0735 1635 LT	Coastal warnings for Eastern Australia.
C–E: 0935 LT A–C: 1935 LT	Storm Warnings: Gale and strong wind warnings for Queensland coast from Cardwell to Coolangatta, Victoria coastal waters and adjacent ocean waters. High Seas storm/gale warnings, synopsis and forecast covering an area from the Equator to 50°S and between 142°E and 170°E	C–E: 0935 LT A–C: 1935 LT	NAVAREA X long range warnings.

Continued on next page

VI

Weather Bulletins		Navigational Warnings	
A–C: 0725 1225 1625 LT	New South Wales coastal waters forecast from the Queensland border to Gabo Island.		
B, C: 0735 LT B–D: 1235 LT	Bass Strait forecast including any gale and strong wind warnings in force for the ocean waters of Victoria. Queensland coastal forecast from Cardwell to Coolangatta and adjacent ocean waters.		
C–F: 0800 1700 LT	North Queensland forecast covering the coast from Torres Strait to Bowen and any storm/gale warnings for adjacent ocean waters.		
B, C: 1635 LT	Queensland coastal forecast for the coast from Cardwell to Coolangatta. (except during D.S.T.)		
B, C: 1655 LT	Bass Strait forecast including any warnings for the ocean waters of Victoria. Queensland coastal forecast for the coast from Cardwell to Coolangatta. (during D.S.T.)		

Penta Marine Radio Communications (HH080/021/12 – E8) 39/01

Page 43, Perth (VIP)

Delete **Weather Bulletins** and **Navigational Warnings** and replace by:

Weather Bulletins		Navigational Warnings	
A: Every odd H+18 (On frequencies in use at the time) for up to 6 hours	Storm Warnings: Gale warnings for Area Western and gale and strong wind warnings for coastal waters of Western Australia and South Australia (WA–SA border to Murray Mouth).	A: 0918 2318 LT (On frequencies in use at the time)	NAVAREA X warnings. Numbers of NAVAREA warnings in force (more than 6 days old)
A: 0918 2318 LT (On frequencies in use at the time)	Gale warnings, synopsis, 24 hour forecast for Area Western.	A: 0718 1918 LT (On frequencies in use at the time)	For coastal waters of Western Australia and South Australia (WA–SA border to Murray Mouth).
A: 0718 1918 LT (during service hours)	Gale and strong wind warnings, synopsis, 24 hour forecast for coastal waters of Western Australia and South Australia (WA–SA border to Murray Mouth).		

39/01

Page 44, Sydney (VIS)

Delete **Weather Bulletins** and **Navigational Warnings** and replace by:

Weather Bulletins		Navigational Warnings	
A: Every odd H+03 0505 1703 LT (On frequencies in use at the time)	Storm Warnings: Gale warnings for Area South Eastern. Strong wind warnings for coastal waters of New South Wales and Queensland (NSW–QLD border to S. Lawrence).	A: 0503 1703 LT	For coastal waters of New South Wales and Queensland (NSW–QLD border to S. Lawrence). NAVAREA X warnings Numbers of NAVAREA warnings in force (more than 6 days old)
A: 0503 1703 LT	Gale and strong wind warnings, synopsis, 24 hour forecast, for coastal waters of New South Wales and Queensland (NSW–QLD border to S. Lawrence).		

39/01

VI

Page 47, **Townsville (VIT)**

Delete **Weather Bulletins** and **Navigational Warnings** and replace by:

Weather Bulletins		Navigational Warnings	
A: Every even H+03 for up to 6 hours	Storm Warnings: Gale warnings for Area North Eastern and gale and strong wind warnings for coastal waters of Queensland.	A: 1003 2203 LT (On frequencies in use at the time)	NAVAREA X Numbers of NAVAREA warnings in force (more than 6 days old)
A: 1003 2203 LT (On frequencies in use at the time)	Gale warnings, synopsis, 24 hour forecast for Area North Eastern	A: 0603 1603 LT (On frequencies in use at the time)	For coastal waters of Queensland.
A: 0603 1603 LT (On frequencies in use at the time)	Gale and strong wind warnings, synopsis, 24 hour forecast for coastal waters of Queensland.		

Australian Bureau of Meteorology and Day Watson (HH080/021/12 – E9 and HH080/097/07 – E14) 39/01

VOLUME 5, 2001/02

Published Wk 31/01

(Last Amendments: Weekly Edition No. 38 dated 20 September 2001)

Page 109, **Chapter 9: VHF DSC, LIST OF COAST STATIONS FOR SEA AREA A1**, United Kingdom, MRSC Humber, delete station and replace by:

MRSC Humber	002320007	Operational (MRSC Humber)
Remotely controlled stations: –		
Easington	53°39'N, 0°06'E	25
Flamborough	54°08'N, 0°06'W	26
Hartlepool	54°42'N, 1°10'W	19
Newton	55°31'N, 1°37'W	24
Tyne Tees	55°01'N, 1°25'W	24
Whitby	54°29'N, 0°36'W	30

39/01

Page 111, MRSC Tyne Tees, delete station

39/01

Page 134, **Chapter 10: MF DSC, LIST OF COAST STATIONS FOR SEA AREA A2**, United Kingdom, MRSC Humber, delete station and replace by:

MRSC Humber	002320007	54°05'N, 1°10'W	150	Operational (MRSC Humber)
Remotely controlled station: –				
Cullercoats		55°04'N, 1°28'W	150	

39/01

MRSC Tyne Tees, delete station

39/01

Page 138, Diagram **R1–A**, position 55°25'N 1°40'W, delete: 14 • Tyne Tees 002320006

Position 55°04'N 1°28'W, insert: • (Cullercoats)

Insert firm line between: • in position 55°04'N 1°28'W, and • in position 54°05'N 1°10'W

UK VHF DSC STATIONS table, delete: 14. Tyne Tees 002320006

Maritime and Coastguard Agency (HH080/051/15 – E8) 39/01

VI

Page 317, **Chapter 17: DISTRESS, SEARCH AND RESCUE, NORWAY**, rows 4 and 5, JRCC BODØ and JRCC STAVANGER, delete and replace by:

JRCC BODØ (co-located with Norwegian MCC Cospas-Sarsat)	75 55 90 00 (Emergency) 75 52 12 67	64293 RCCNN	75 52 42 00	Inmarsat-C 425999999
	e-mail (Admin only): hrsnor@online.no			AFTN: ENBOYCYX
JRCC STAVANGER	51 51 70 00 (Emergency) 51 64 60 00 (Admin) 51 64 60 10 (Press Office)	33163 RCCSN	51 65 23 34	Inmarsat-A 1316543 (AOR-E) Inmarsat-C 42599997 (IOR) 42599998 (AOR-W) 42599999 (AOR-E)
	e-mail (Admin only): post@jrcc-stavanger.no			AFTN: ENZVYCYX

JRCC Bodø and JRCC Stavanger (HH080/082/03 – E5) 39/01

Page 335, **UNITED KINGDOM, Eastern SRR**, delete row 3, MRSC TYNE TEES

Maritime and Coastguard Agency (HH080/051/15 – E8) 39/01

VOLUME 6, 2000/01—PART 1

Published Wk 43/00

(Last Amendments: Weekly Edition No. 37 dated 13 September 2001)

Page 191, **UNITED KINGDOM, MOSTYN DOCK AND RIVER DEE PILOTS**

Pilots and Port, PROCEDURE, delete (4) Pilot boards to 3°14'2W). and replace by:

- (4) Pilot boards in the following positions:
- (a) 53°22'47N 3°33'52W (recommended)
 - (b) Near Dee Lt buoy (compulsory)
 - (c) Vessels bound for the River Dee: near Buoy HE 4 (53°22'32N 3°14'28W)

Mostyn Dock (HH212/400/14 – E9) 39/01

VOLUME 6, 2000/01—PART 2

Published Wk 43/00

(Last Amendments: Weekly Edition No. 31 dated 2 August 2001)

Page 242, **SWEDEN, KARLSHAMN**

Pilot Station, PROCEDURE, section (2)(b)(ii), delete (56°07'7N 14°53'4E) and replace by: 56°07'18N 14°53'54E)

Swedish Chart 8221 39/01

VOLUME 8, 2001/02

Published Wk 12/01

(Last Amendments: Weekly Edition No. 38 dated 20 September 2001)

Page 45, **ESTONIA**, Narva and Ristna Lt, in column **tx rate (in bps)**, delete 200 and replace by: 100

Estonian Notice 9/97/01 (HH344/500/05 – E47) 39/01

Page 51, **POLAND** section, delete table and replace by:

Dziwnów	54°01'45N 14°44'10E	283.5	100		481	80	Yes	Operational	1 3 7 16
Jarosławiec	54°33'N 16°33'E	295				50			
Rozewie	54°49'97N 18°20'15E	301	100		482	80	Yes	Operational	1 3 7 16

(former amendment 12/01)

Polish Notice 26/455(P)/01 (HH080/060/12 – E17) 39/01

ADMIRALTY LIST OF RADIO SIGNALS—CUMULATIVE LIST OF CORRECTIONS

CORRECT TO WK 39/01

This list is a summary of the entries in the current editions of the **Admiralty List of Radio Signals** which have been amended by corrections issued in **Section VI** of the **Weekly Edition of Notices to Mariners**.

The entries affected are shown in **bold type** followed by the numbers of the **Weekly Editions** in which corrections for that station were issued.

These summaries are issued on a quarterly basis.

VOLUME 1, 2001/02 – PART 1

Published Wk 31/01

GLOBAL MARINE COMMUNICATIONS SERVICES

GLOBE WIRELESS 31

COAST RADIO STATIONS

ANGOLA 31
BAHRAIN 31
BURMA 31
CHINA 31,38
EGYPT(Mediterranean Coast) 35
KOREA, SOUTH 31
MALAYSIA 31
NORWAY 31
POLAND 39
SOUTH AFRICA 31
SWEDEN 31
SWITZERLAND 31
THAILAND (East Coast) 35
TIMOR, EAST 35
TURKEY 35
UKRAINE 31
UNITED KINGDOM 39
VIETNAM 34

VOLUME 1, 2001/02—PART 2

Published Wk 31/01

GLOBAL MARINE COMMUNICATIONS SERVICES

GLOBE WIRELESS 31

COAST RADIO STATIONS

ARGENTINA 31,34
AUSTRALIA 31,39
BARBADOS 31
CANADA (Atlantic Coast) 31
CANADA (Northern Coast) 32,35
CHILE 31,32,34
MEXICO (Gulf Coast) 31
MEXICO (Pacific Coast) 34
NEW ZEALAND 31
NORTHERN MARIANA ISLANDS (USA) 31
PHILIPPINES 32,34,35,38
UNITED STATES (Atlantic Coast) 31,35
UNITED STATES (Great Lakes) 33
UNITED STATES (Gulf Coast) 31
UNITED STATES (Hawaii) 31
UNITED STATES (Pacific Coast) 31,35

VOLUME 2, 2001

Published Wk 8/01

RADIOBEACONS AND RADIO DIRECTION-FINDING STATIONS

0001 16,19,20,35,39; 0215 8; 0217 8; 0219 8; 0435 8; 0789 36; 0805 36; 0945 10; 0949 10; 0955 10; 0957 10; 0959 10; 0961 10; 0969 10; 0971 10; 0973 10; 0979 10; 0981 10; 1040 8; 1145 36; 1795 15; 1797 15; 1799 15; 1801 15; 2400 8; 2401 8; 2402 8; 2410 8; 2421 8; 2423 8; 2425 8; 2429 8; 2431 8; 2433 8; 2435 8; 2437 8; 2454 8; 2460 8; 2464 26; 2779 26; 2786 26; 3095 19; 3359 8; 3512 12; 4361 23

RADAR BEACONS

50270 8; 50360 8; 50440 8; 50450 8; 50520 10; 51210 9; 52050 14; 52053 14; 52057 14; 52060 14; 52063 14; 52065 14; 52067 14; 52070 14,19; 52073 14; 52077 14; 54940 19; 54950 20; 55675 8; 56340 9; 56342 9; 55920 31; 62280 29; 63840 10; 64540 30; 67810 8; 68320 33; 70260 24; 70550 8; 70600 8; 71400 21; 73040 34; 73100 9; 73500 15; 73530 15; 73560 15; 73590 15; 73950 17; 77020 31; 78280 26; 78800 20; 78825 10; 78920 33; 78950 31; 78980 9; 79140 19; 79230 32; 79240 9; 79270 25; 80590 10; 80750 11; 81130 37; 81160 32; 81360 25; 81495 24; 81585 8; 81635 8; 81640 34; 81710 8; 81745 9; 81910 8; 82020 8; 82285 8; 82305 14; 82403 8; 82405 8; 82620 8; 82740 12; 82800 8; 82815 8; 82895 12,20; 83420 8; 83480 8; 83570 8; 83640 8,30; 83650 30; 83670 30; 83690 30; 83720 30; 83730 30; 83920 8; 84110 8; 84150 8; 84960 8; 85915 22; 86040 12; 86475 8; 90790 36; 91830 16; 92150 33; 92170 35 92990 8; 93000 8,25; 93590 11; 94430 14; 94460 14; 94490 14; 94550 35; 94670 9; 94690 14; 95280 27; 95570 8; 96720 27; 96750 22; 96782 30; 96790 35; 96800 9; 96920 25; 96980 16; 99390 20; 99530 33; 99960 8;

LEGAL TIME

Australia 12
Cuba 10
Chile 30
Easter I. (Isla de Pascua) 30
Egypt 30
Georgia 10
Iran 30
Israel 8
Jordan 30
Latvia 8
Mexico 9
Mongolia 21,25
Syria 29
Tonga Is 31

RADIO TIME SIGNALS

TABLE 2 8
3787 14; 5550 8

VOLUME 3, 2001/02—PART 1

Published Wk 24/01

RADIO-FACSIMILE

New Delhi [Facsimile] 25; Northwood [Facsimile] 24; Northwood [Facsimile] Map Area Diagram 24; Offenbach (Main) /Pinneberg (DDH) (DDK) [Facsimile] 24; Offenbach (Main) Pinneberg (DDH) (DDK) [Facsimile] Index of Map Areas NA, NT1 – NT7 Diagram 24

RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS

ANGOLA 31
AUSTRIA 24
BRITISH ISLES COASTAL NAVIGATION WARNING AREAS DIAGRAM 35
CHINA 39
CROATIA 24

Continued on next page

VI

CYPRUS 31
DENMARK 24
ESTONIA 24
FRANCE 39
FRANCE (Atlantic Coast) 27
GERMANY 24
IRELAND, REPUBLIC OF 24
JAPAN 25
LATVIA 25
LITHUANIA 25
MALTA 31
NETHERLANDS 24,31
POLAND 25
ROMANIA 35
RUSSIA (Arctic Coast) 24
RUSSIA (Baltic Coast) 24
RUSSIA (Black Sea Coast) 24
RUSSIA (Pacific Coast) 24
SOUTH AFRICA 24,25
SPAIN (Atlantic Coast) 31
SWEDEN 24,26
THAILAND 25
UNITED KINGDOM 26,27,35

SHIPS' WEATHER REPORTS

SOUTH AFRICA 24

VOLUME 3, 2001/02—PART 2

Published Wk 24/00

RADIO-FACSIMILE

Boston (NMF) 31, CAMSPAC, Point Reyes 31, Iqaluit (VFF) 35, New Orleans (NMG) 31, Valparaiso Playa Ancha (CBV) [Facsimile] 24

RADIO WEATHER SERVICES AND NAVIGATIONAL WARNINGS

AUSTRALIA 39
CANADA (Atlantic, S. Lawrence River and North) 27,35
CANADA (Great Lakes) 35
CANADA (Pacific Coast) 27
EQUADOR 24
HAWAIIAN ISLANDS (USA) 24,31
ÎLES DE LA SOCIÉTÉ (France) 24
MARIANA ISLANDS, NORTHERN (USA) 24
MARTINIQUE (France) 31
SAINT-PIERRE AND MIQUELON (France) 24
SOUTH SHETLAND ISLANDS (UK) 35
UNITED STATES (Atlantic Coast) 24,31
UNITED STATES (Great Lakes) 35
UNITED STATES (Gulf Coast) 24,31
UNITED STATES (Pacific Coast) 24,31

VOLUME 5, 2001/02

Published Wk 31/01

Chapter 1: GMDSS 31,35

Chapter 6: DISTRESS COMMUNICATIONS & FALSE ALERTS 31

Chapter 9: VHF DSC, LIST OF COAST STATIONS FOR SEA AREA A1 31,39

Chapter 10: MF DSC, LIST OF COAST STATIONS FOR SEA AREA A2 39

Chapter 11: HF DSC, LIST OF COAST STATIONS FOR SEA AREA A3 AND A4 35

Chapter 16: NAVTEX 31,35,38

Chapter 17: DISTRESS, SEARCH AND RESCUE 31,35,38,39

Chart size diagram of Maritime Search and Rescue Regions (SRRs) and GMDSS Sea Areas 32

VOLUME 6, 2000/01—PART 1

Published Wk 43/00

PILOT SERVICES, VESSEL TRAFFIC SERVICES and PORT OPERATIONS

BELGIUM 43
BELGIUM AND NETHERLANDS 43
FRANCE (English Channel) 5,17,37
IRELAND, REPUBLIC OF 44,46,50,
NETHERLANDS 43,49,6,16,31,35,36
UNITED KINGDOM 43,44,47,49,50,51,1,4,6,8,12,14,15,17,18,20,23,24,26,30,31,33,39
UNITED KINGDOM (Channel Islands) 43
UNITED KINGDOM (Northern Ireland) 43,17,36

VOLUME 6, 2000/01—PART 2

Published Wk 43/00

PILOT SERVICES, VESSEL TRAFFIC SERVICES and PORT OPERATIONS

CANARIAS, ISLAS 46,47
DENMARK 43,44,50,7,8,9,11,16,22,28
ESTONIA 6
FINLAND 43,2,5,14,19
FRANCE (Atlantic Coast) 47
GERMANY (Baltic Coast) 43,47,8,12,20
GERMANY (North Sea Coast) 12,20,30
ICELAND 11
LATVIA 46,19
NORWAY 43,45,46,51,8,12,19,25,31
POLAND 43,17
PORTUGAL 43,5
SPAIN (North Coast) 43,11,27
SPAIN (South West Coast) 14
SWEDEN 43,44,4,7,8,10,11,14,27,39

VI

VOLUME 6, 2000/01—PART 3

Published Wk 43/00

PILOT SERVICES, VESSEL TRAFFIC SERVICES and PORT OPERATIONS

BAHRAIN 44
COMORO ISLANDS 44
CORSE (France) 33
CROATIA 26
CYPRUS 51
EGYPT (Red Sea Coast) 43,49,23
EQUATORIAL GUINEA 31
FRANCE (Mediterranean Coast) 6,10,16
ISLAS BALEARES (Spain) 50
ITALY 43,8,25,29,36
IVORY COAST (COTE D'IVOIRE) 44
KUWAIT 2
LIBERIA 43
NAMIBIA 43,46,15
NIGERIA 46
OMAN 4
PERSIAN GULF 7
QATAR 45,19
RUSSIA (Black Sea Coast) 29
SEYCHELLES 37
SOMALIA 43,45,11
SOUTH AFRICA 44
SPAIN (Mediterranean Coast) 44,47,2
SUDAN 48
TANZANIA 43,44
TURKEY (Mediterranean Coast) 1,3,8
UNITED ARAB EMIRATES 4
YEMEN 31,44

VOLUME 6, 2000/01—PART 4

Published Wk 43/00

PILOT SERVICES, VESSEL TRAFFIC SERVICES and PORT OPERATIONS

AUSTRALIA 43,45,27,30,36,38
CHINA 43,48,49,51,9,12,19,20
INDIA 44,3
INDONESIA (Irian Jaya) 25,30
INDONESIA (Kepulauan Anambas) 6,18
INDONESIA (South China Sea (Natuna Sea)) 6
INDONESIA (Sumatera) 44,21
JAPAN 48,5,12,14,15,16,22
KOREA, SOUTH 18
MALAYSIA (Sabah) 23
NEW ZEALAND 19,21
PHILIPPINES 36
RUSSIA (Pacific Coast) 23

VOLUME 6, 2000/01—PART 5

Published Wk 43/00

PILOT SERVICES, VESSEL TRAFFIC SERVICES and PORT OPERATIONS

ARGENTINA 2,4
BAHAMAS 23,34
BRAZIL 43,1
CANADA (Atlantic Coast) 43,45,8,9,
CANADA (Pacific Coast) 44
COLOMBIA (Caribbean Coast) 22
CUBA 26
PERU 44
UNITED STATES (Alaska) 17
UNITED STATES (Atlantic Coast) 46,47,3,4,14,16,20,27,34
UNITED STATES (Pacific Coast) 44
URUGUAY 4
VENEZUELA 22
VIRGIN ISLANDS (UK) 30
VIRGIN ISLANDS (US) 44,18
WINDWARD ISLANDS 47

VOLUME 8, 2001/02

Published Wk 12/01

SATELLITE NAVIGATION SYSTEMS

Information available on the INTERNET 15

DIFFERENTIAL GPS (DGPS)

AUSTRALIA 20,25
CANADA (Atlantic Coast) 14
CHINA 12,14
DENMARK 38
ESTONIA 39
FINLAND 38
FRANCE (Atlantic Coast) 34
GERMANY (Baltic Coast) 12
GERMANY (North Sea Coast) 12
ICELAND 38
IRELAND, REPUBLIC OF 35,38
KOREA, SOUTH 26
NETHERLANDS 32,38
NORWAY 38
POLAND 12, 39
SPAIN (Islas Canarias) 12
SPAIN (North Coast) 12
SRI LANKA 36
SWEDEN 12,14,38
UNITED KINGDOM 38
UNITED STATES (Alaska) 36
UNITED STATES (Atlantic Coast) 36

NP289 – ADMIRALTY MARITIME COMMUNICATIONS United Kingdom and the Mediterranean

Published Wk 15/01

GMDSS

Diagram Figure 2B 32

VI

NAVTEX

Oostende Belgium 20; Navtex (UK) (remotely controlled by Falmouth Coast Guard)
[C] Transmitter Identification, Weather Bulletins Navigational Warnings 20

SAFETY AND WEATHER INFORMATION—UNITED KINGDOM—HM COASTGUARD
32,36

RADIO—FACSIMILE

UNITED KINGDOM 20,25
GERMANY 20

SAFETY AND WEATHER INFORMATION—SUBFACTS AND GUNFACTS

UNITED KINGDOM 30,36

SAFETY AND WEATHER REPUBLIC OF IRELAND

Valentia [W] 25; Malin Head [Q] 25

SAFETY AND WEATHER ATLANTIC COAST

FRANCE 30,
PORTUGAL 15

SAFETY AND WEATHER MEDITERRANEAN

FRANCE 20
MONACO 20
TURKEY 20
GERMANY 20

MANAGEMENT OF VHF

Centres Régionaux opérationnels de surveillance et desauvetage (CROSS) 20

NP290 – ADMIRALTY MARITIME COMMUNICATIONS Caribbean

Published Wk 21/01

RADIO—FACSIMILE

Boston (U.S.Coast Guard) 30, CAMSPAC, Point Reyes (NMC) [Facsimile]
(U.S.Coast Guard) 32, New Orleans (NMG) [Facsimile] (U.S.Coast Guard) 32;
Northwood [Facsimile] 25

OCEANIC SAFETY AND WEATHER AND MARINE COMMUNICATION SERVICES

Mobile (WLO) 25

MARINAS, PORTS AND VESSEL TRAFFIC SERVICES

ANTIGUA AND BARBUDA 30
BAHAMAS 36
DOMINICA, LEEWARD ISLANDS 30
GUADELOUPE (FRANCE) 30
MARTINIQUE 30
MONTSERRAT (FRANCE) 30
S. KITTS & NEVIS 30
S. LUCIA 30
S. MARTIN 30
S. VINCENT AND THE GRENADINES 30

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

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

Signature of observer/reporter