



No. 11
13 MARCH 2004



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Geospatial-Intelligence Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at
<http://pollux.nss.nga.mil/>



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IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-3370	287-3370	301-227-4211
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nga.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nga.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nga.mil.

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

Cover Photo: The **USS SLATER (DE-766)** is a Canon Class Destroyer Escort launched on February 13, 1944 and commissioned on May 1, 1944. Of the 565 Destroyer Escorts built during World War II, the **USS SLATER** is the only one remaining afloat in the United States and the last one with original battle armament and configuration. She has a displacement of 1,200 tons, is 306 feet long with a beam of 36 feet and carried a crew of 216 men when commissioned. The **USS SLATER** was named after Frank O. Slater of Alabama, a sailor killed aboard the **USS SAN FRANCISCO** during the Battle of Guadalcanal in 1942. The **USS SLATER** saw service in both the Atlantic and Pacific theaters during World War II. She was decommissioned in 1946 and was transferred to Greece on March 1, 1951. The **USS SLATER** served in the Hellenic Navy until 1991, when she was donated to the Destroyer Escort Sailors Association (DESA). She was returned to New York in 1993 and was transferred to her permanent homeport of Albany, New York in October 1997. The **USS SLATER** now serves as a living museum and is being maintained by a crew of dedicated volunteers.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 11/04

HYDROGRAM

**National Geospatial-Intelligence Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

13 March 2004

NEW EDITION OF SUMMARY OF CORRECTIONS

SUMMARY OF CORRECTIONS FOR THE EAST COAST OF NORTH AND SOUTH AMERICA (SUBREGION 11 THRU 15 AND 23 THRU 28), VOLUME 1, 2003 EDITION, IS READY FOR ISSUE. THIS EDITION IS PRODUCED BY NGA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

RADIOTELEPHONE SERVICE ON FREQUENCY 2182.0 KHZ

THE UNITED STATES COAST GUARD INTERNATIONAL DISTRESS AND CALLING RADIOTELEPHONE SERVICE ON THE FREQUENCY 2182.0 KHZ MAY BE OPERATING AT REDUCED POWER AND SENSITIVITY. SEE SECTION III.

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA RECOGNIZES TWO NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
 - T indicates that it is temporary in nature.
 - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NGA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NGA List of Lights.

Section II-5 lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

**SECTION I
CHART CORRECTIONS**

NM 11/04

501 (INT 801) 12Ed. 11/02 LAST NM 6/04 Add Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	11/04 33°39'N 120°12'W	11362 4Ed. 6/10/00 LAST NM N7/04 Add "SAFETY ZONE 147.829 (NOTE NO 1)" [N2.1] bound by purple composite line joining 28°44.3'N 88°49.7'W 28°44.7'N 88°49.7'W 28°44.7'N 88°49.3'W 28°44.3'N 88°49.3'W (See N8/03-11362) (NOS)	N11/04
502 (INT 802) 2Ed. 7/23/83 LAST NM 44/03 Add Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	11/04 33°39'N 120°12'W		
512 (INT 512) 2Ed. 5/18/96 LAST NM 52/99 Delete RC (25(3965)03 St. Petersburg)	11/04 57°10'N 156°34'E		
520 127Ed. 8/22/81 LAST NM 4/04 Add Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	11/04 33°39'N 120°12'W		
521 11Ed. 7/18/81 LAST NM 50/03 Delete R Bn (25(3965)03 St. Petersburg)	11/04 57°14'N 156°37'E		
523 8Ed. 7/6/96 LAST NM 50/03 Delete R Bn (25(3965)03 St. Petersburg)	11/04 57°10'N 156°37'E		
530 30Ed. 3/23/02 LAST NM 7/04 Add Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	11/04 33°39'N 120°12'W		
532 17Ed. 2/3/96 LAST NM 50/03 Delete R Bn (25(3965)03 St. Petersburg)	11/04 57°14'N 156°37'E		
1115A Ed. 10/02 LAST NM 7/04 Add "SAFETY ZONE 147.829 (see note A)" [N2.1] bound by purple composite line joining (See 8/03-1115A) (NOS)	11/04 28°44.3'N 88°49.7'W 28°44.7'N 88°49.7'W 28°44.7'N 88°49.3'W 28°44.3'N 88°49.3'W		
11360 40Ed. 10/02 LAST NM 7/04 Add "SAFETY ZONE 147.829 (see note A)" [N2.1] bound by purple composite line joining (See 8/03-11360) (NOS)	11/04 28°44.3'N 88°49.7'W 28°44.7'N 88°49.7'W 28°44.7'N 88°49.3'W 28°44.3'N 88°49.3'W		
★11361 71Ed. 12/03 NEW EDITION Change Legend to "5 FT CENTERLINE APR-SEP 2003" (Previously published 51/03)	11/04 29°15'00"N 89°21'15"W		
Delete Danger circle "Obstn" (PA) (Previously published 1/04)	28°56'18"N 89°24'22"W		
Delete Platform Platform Platform Platform Platform (Previously published 6/04)	28°55'35"N 89°13'53"W 28°55'52"N 89°14'15"W 28°55'54"N 89°14'55"W 28°56'56"N 89°15'02"W 28°59'51"N 89°12'18"W		
Add Light Iso R 6s 45ft Danger circle "Obstn" [K40] (PA) (Previously published 6/04)	28°54'50"N 89°25'54"W 29°12'11"N 89°17'02"W		
Add (Inset Southwest Pass) Light Iso R 6s 45ft (Previously published 6/04)	28°54'49.5"N 89°25'53.5"W		
★11366 8Ed. 10/03 LAST NM 7/04 Add "SAFETY ZONE 147.829 (see note A)" [N2.1] bound by purple composite line joining (NOS)	11/04 28°44.3'N 88°49.7'W 28°44.7'N 88°49.7'W 28°44.7'N 88°49.3'W 28°44.3'N 88°49.3'W		
★11376 49Ed. 9/03 LAST NM 7/04 Add Tabulation of controlling depths from Subsection I-2 (Inset) Change Legend to "28 FT NOV 2003" (NOS)	11/04 30°43'33"N 88°02'42"W		
★11447 36Ed. 11/03 NEW EDITION (NOS)	11/04		
11451 31Ed. 2/03 LAST NM 25/03 (Page A) Relocate Beacon "17" from 25°26'06"N 80°09'55"W to 25°26'03"N 80°09'55"W Beacon "18" from 25°25'31"N 80°10'43"W to 25°25'24"N 80°10'46"W Beacon "4" from 25°22'50"N 80°10'40"W to 25°22'51"N 80°10'43"W Add Beacon "2" R (4/04 CG7)	11/04 25°22'30"N 80°09'13"W		
11462 24Ed. 3/16/02 LAST NM 25/03 Relocate Beacon "17" from 25°26'07"N 80°09'57"W to 25°26'03"N 80°09'55"W Beacon "18" from 25°25'33"N 80°10'43"W to 25°25'24"N 80°10'46"W Beacon "3" from 25°22'28"N 80°09'36"W to 25°22'25"N 80°09'35"W Add Beacon "2" R (4/04 CG7)	11/04 25°22'30"N 80°09'13"W		
★11463 17Ed. 4/03 LAST NM 24/03 Relocate Beacon "17" from 25°26'06.3"N 80°09'57.0"W to 25°26'02.6"N 80°09'54.6"W Beacon "18" from 25°25'32.8"N 80°10'43.1"W to 25°25'24.1"N 80°10'45.9"W Beacon "3" from 25°22'27.1"N 80°09'36.3"W to 25°22'25.2"N 80°09'35.4"W Beacon "4" from 25°22'50.2"N 80°10'40.0"W to 25°22'50.8"N 80°10'43.0"W Add Beacon "2" R (4/04 CG7)	11/04 25°22'30.2"N 80°09'13.2"W		
★11466 36Ed. 12/02 LAST NM 40/03 (Inset) Relocate Light "8" from 26°46'20.8"N 80°02'24.4"W to 26°46'20.4"N 80°02'25.0"W (4/04 CG7)	11/04 26°46'20.4"N 80°02'25.0"W		
★11484 22Ed. 11/03 NEW EDITION (NOS)	11/04		

SECTION I

11541	34Ed. 10/03 LAST NM 9/04 (Side A)	11/04	Substitute (Upper Panel) Buoy "26" R, pillar, Fl R for light "26" 44°59'10.4"N 74°47'37.0"W (8/1433)03 Ottawa
Relocate	Buoy "2" from 34°42'11"N 76°40'41"W to 34°42'14"N 76°40'42"W		
Change	Designation of light "1" to "1A"	34°42'17"N 76°40'41"W	
Add	Buoy "1" G, can (2/04 CG5)	34°42'16"N 76°40'42"W	
11545	60Ed. 9/02 LAST NM 9/04	11/04	
Relocate	Buoy "2" from 34°42'11"N 76°40'41"W to 34°42'14"N 76°40'42"W (See 49/03-11545)		
Change	Designation of light "1" to "1A"	34°42'17"N 76°40'42"W	
Add	Buoy "1" G, can (2/04 CG5)	34°42'16"N 76°40'42"W	
*11547	35Ed. 3/30/02 LAST NM 9/04	11/04	
Relocate	Buoy "2" from 34°42'11.4"N 76°40'41.0"W to 34°42'14.4"N 76°40'41.9"W (See 49/03-11547)		
Change	Designation of light "1" to "1A"	34°42'17.1"N 76°40'41.2"W	
Add	Buoy "1" G, can (2/04 CG5)	34°42'15.5"N 76°40'42.4"W	
12205	28Ed. 8/03 LAST NM 5/04 (Page A)	11/04	
Delete	Position circle and legend "LOOK TR" (2/04 CG5)	36°53'37"N 75°59'15"W	
12207	20Ed. 4/4/98 LAST NM 50/03	11/04	
Delete	Position circle and legend "LOOK TR" (2/04 CG5)	36°53'34"N 75°59'16"W	
12208	9Ed. 4/03 LAST NM 9/04	11/04	
Delete	Position circle and legend "LOOKOUT TOWER" (2/04 CG5)	36°53'36"N 75°59'17"W	
12221	75Ed. 9/03 LAST NM 9/04	11/04	
Delete	Position circle and legend "LOOKOUT TR" (2/04 CG5)	36°53'37"N 75°59'17"W	
*12222	45Ed. 11/03 LAST NM 10/04	11/04	
Delete	Position circle and legend "LOOKOUT TOWER" (2/04 CG5)	36°53'36"N 75°59'17"W	
*12263	53Ed. 11/03 NEW EDITION (NOS)	11/04	
14212	Ed. 7/28/00 LAST NM N38/03 (Plan)	N11/04	
Delete	Depth 3.7 meters	46°20'35.3"N 72°30'50.6"W	
	Dashed line joining	46°20'41.9"N 72°30'47.8"W 46°20'36.0"N 72°30'50.0"W 46°20'30.0"N 72°30'43.5"W	
Add	Dashed line joining (8/1313)03 Ottawa	46°20'41.9"N 72°30'47.8"W 46°20'36.1"N 72°30'52.1"W 46°20'30.0"N 72°30'43.5"W	
14756	Ed. 5/28/99 LAST NM N50/03 (Lower Panel)	N11/04	
Substitute	Buoy "26" R, pillar, Fl R for light "26" (See 50/03-14756)	44°59'10.4"N 74°47'37.0"W	
16700	28Ed. 7/03 LAST NM 50/03	11/04	
Relocate	Superbuoy ODAS "46060" from 60°34.8"N 146°50.1"W to (3/04 CG17)	60°35.1'N 146°49.9"W	
*16709	22Ed. 1/19/02 LAST NM 49/02	11/04	
Relocate	Superbuoy ODAS "46060" from 60°34'45"N 146°50'06"W to (3/04 CG17)	60°35'09"N 146°49'54"W	
18000	8Ed. 8/21/93 LAST NM 44/03	11/04	
Add	Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	33°39.1'N 120°12.0'W	
18002	6Ed. 5/13/95 LAST NM N44/03	N11/04	
Add	Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	33°39.1'N 120°12.0'W	
18020	37Ed. 9/03 LAST NM 7/04	11/04	
Add	Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	33°39.1'N 120°12.0'W	
18022	34Ed. 11/03 LAST NM 7/04	11/04	
Add	Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	33°39.1'N 120°12.0'W	
18649	63Ed. 9/03 LAST NM 5/04	11/04	
Relocate	Buoy "4" from 37°48'05"N 122°20'55"W to 37°48'03"N 122°20'53"W Buoy "6" from 37°47'53"N 122°20'12"W to 37°47'55"N 122°20'14"W (49/03 CG11)		
*18650	52Ed. 9/03 LAST NM 47/03	11/04	
Relocate	Buoy "4" from 37°48'06"N 122°20'54"W to 37°48'03"N 122°20'53"W Buoy "6" from 37°47'54"N 122°20'12"W to 37°47'55"N 122°20'14"W (49/03 CG11)		
18652	32Ed. 7/03 LAST NM 5/04 (Page A)	11/04	
Relocate	Buoy "4" from 37°48'04"N 122°20'54"W to 37°48'03"N 122°20'53"W Buoy "6" from 37°47'54"N 122°20'12"W to 37°47'55"N 122°20'14"W (49/03 CG11)		
18656	53Ed. 3/03 LAST NM 48/03	11/04	
Add	Buoy W Or, Fl 2.5s Buoy W Or, Fl 4s Buoy W Or, Fl 4s Buoy W Or, Fl 2.5s (49/03 CG11)	38°03'48"N 122°01'10"W 38°03'47"N 122°00'49"W 38°03'47"N 122°00'34"W 38°03'45"N 122°00'12"W	
18658	29Ed. 3/13/99 LAST NM 40/03 (Lower Panel)	11/04	
Add	Buoy W Or, Fl 2.5s Buoy W Or, Fl 4s Buoy W Or, Fl 4s Buoy W Or, Fl 2.5s (49/03 CG11)	38°03'48.0"N 122°01'09.9"W 38°03'47.0"N 122°00'48.8"W 38°03'47.1"N 122°00'33.8"W 38°03'44.8"N 122°00'12.0"W	

SECTION I

NM 11/04

★18720	31Ed. 7/29/00 LAST NM 25/03 Add Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	11/04 33°39.1'N 120°12.0'W	24142	43Ed. 3/27/93 LAST NM 7/04 Add Dangerous wreck [K28] (22(S1346)03 Rio de Janeiro)	11/04 24°04'19.8"S 46°23'30.0"W
★18746	35Ed. 11/03 NEW EDITION Substitute Depth 6 1/4 fathoms Wk [K26] for 37 fathoms Wk Add Wreck [K29] (NOS; 50/03 CG11)	11/04 33°43'25"N 118°08'28"W 33°26'58"N 118°14'49"W	24404	8Ed. 9/4/93 LAST NM 48/02 Delete Submarine cable between Submarine cable between (BA CH 493)	11/04 10°44.1'N 61°37.5'W 10°58.0'N 61°27.4'W 10°44.0'N 61°37.6'W 10°58.0'N 61°43.8'W
★18758	6Ed. 6/02 LAST NM 4/04 Relocate Buoy "5" from 33°12'29.4"N 117°23'55.9"W to 33°12'30.1"N 117°23'51.2"W (51/03 CG11)	11/04	25400	1Ed. 4/18/81 LAST NM 8/04 Delete Submarine cable between Submarine cable between Change Light to Fl 10s 23M Light to Fl 2s 11M Light to Fl 4s 11M Add Light Fl 4s 8M (BA CH 493)	11/04 10°44.5'N 61°37.6'W 11°24.8'N 61°05.7'W 11°00.3'N 61°44.8'W 11°45.8'N 62°18.5'W 10°41.4'N 61°45.4'W 10°42.0'N 61°45.1'W 10°39.2'N 61°56.7'W 10°39.9'N 61°39.9'W
18760	6Ed. 9/5/98 LAST NM N7/04 Add Superbuoy ODAS [Q58] "46069" Y, Fl(4) Y 20s (52/03 CG11)	N11/04 33°39.1'N 120°12.0'W	★25666	17Ed. 12/4/99 LAST NM 17/03 Substitute Depth 51 feet for 5 feet (NOS)	11/04 18°11'18.0"N 65°37'00.3"W
18774	10Ed. 6/1/02 LAST NM 4/04 Add Wreck [K29] (Inset) Relocate Buoy "5" from 33°12'30"N 117°23'56"W to 33°12'30"N 117°23'51"W (50, 51/03 CG11)	11/04 33°27.0'N 118°14.8'W	★25679	10Ed. 3/03 LAST NM 20/03 Delete Buoy "12" Buoy "11" Change Buoy to "6" R, nun (4/04 CG7)	11/04 17°57'51.7"N 66°55'18.7"W 17°57'49.4"N 66°55'19.5"W 17°57'22.1"N 66°54'27.6"W
★21384	4Ed. 11/15/03 NEW EDITION (NGA)	11/04	25848	25Ed. 5/13/95 LAST NM 15/03 Add Light symbol (PA) (See 13/03-25848) (BA CH 471)	11/04 18°24'48"N 70°01'00"W
21603	9Ed. 3/20/99 LAST NM 36/03 Change Characteristic of light "M2" to Fl Y 2s 8°54'48"N 79°32'12"W Characteristic of light "M1" to Fl Y 2s 8°54'58"N 79°32'11"W (BA LL)	11/04	26127	21Ed. 10/29/94 LAST NM 5/03 Add Depth 10.4 meters (5(486)04 Taunton)	11/04 17°46.5'N 76°58.6'W
★22138	3Ed. 5/3/03 NEW EDITION (NGA)	11/04	26130	20Ed. 1/7/95 LAST NM 47/01 (Plan E) Delete Buoy (mooring) Add Buoy (mooring) [Q40] Buoy (mooring) [Q40] (BA CH 464)	11/04 18°24'43.5"N 77°06'52.8"W 18°24'43.8"N 77°06'50.1"W 18°24'41.4"N 77°06'46.2"W
22143	4Ed. 4/19/03 LAST NM 29/03 (Plan C) Change Legend "Islote Referendo" to "Islote La Ofrenda" 11°46'37"S 77°12'03"W Legend "Isla Torbao" to "Islote Torbao" 11°46'25"S 77°15'26"W (1(2)04 Callao)	11/04	26220	6Ed. 7/15/95 LAST NM 47/01 Add Depth 10.4 meters (5(486)04 Taunton)	11/04 17°46.5'N 76°58.6'W
22172	8Ed. 10/12/02 LAST NM 29/03 Add Dangerous wreck [K28] Dangerous wreck [K28] Dangerous wreck [K28] Dangerous wreck [K28] (1(3)04 Callao)	11/04 12°03'00.0"S 77°10'54.0"W 12°03'07.7"S 77°09'37.2"W 12°03'31.6"S 77°09'27.1"W 12°03'34.4"S 77°10'18.1"W	★26309	27Ed. 8/23/03 NEW EDITION (NGA)	11/04
22173	36Ed. 10/12/02 LAST NM 29/03 Change Legend "Islote Referendo" to "Islote La Ofrenda" Add Dangerous wreck [K28] Dangerous wreck [K28] Dangerous wreck [K28] Dangerous wreck [K28] (1(2, 3)04 Callao)	11/04 11°46'36"S 77°12'29"W 12°03'00"S 77°10'54"W 12°03'08"S 77°09'37"W 12°03'32"S 77°09'27"W 12°03'34"S 77°10'18"W	29105	5Ed. 11/8/97 LAST NM 8/04 Add Chartlet A, depicting changes in hydrography, from Subsection I-2 63°18.0'S 54°25.0'W Chartlet B, depicting changes in hydrography, from Subsection I-2 63°36.5'S 54°25.0'W (Arg CH H-700)	11/04
22182	7Ed. 11/1/03 LAST NM 10/04 (Plan B) Add Buoy, cylindrical [Q21] (1(5)04 Callao)	11/04 17°40'14.2"S 71°22'14.4"W	37025	26Ed. 8/9/97 LAST NM 10/04 Add Depth 102 meters Wk [K30] (unsurveyed) (PA) 47°41.9'N 5°58.2'W Depth 182 meters Wk [K30] (unsurveyed) (PA) 47°36.9'N 7°20.2'W Depth 28 meters Wk [K30] (unsurveyed) 46°07.2'N 2°07.2'W (28(33), 35(8)03 Brest)	11/04
24140	18Ed. 7/25/98 LAST NM 7/04 Add Dangerous wreck [K28] (22(S1346)03 Rio de Janeiro)	11/04 24°04.3'S 46°23.5'W			

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37163	19Ed. 5/9/98 LAST NM 43/03 (Panel A)	11/04	37246	14Ed. 5/16/98 LAST NM 1/04	11/04
Delete	Solid line (pier) in vicinity	52°26'53"N 4°41'07"E	Delete	Depth 14.5 meters Wk	51°22'13"N 4°07'02"E
	Solid line (pier) in vicinity	52°26'50"N 4°41'10"E	Relocate	Buoy "SS 8" from 51°24'50"N 3°39'35"E to	51°24'47"N 3°39'37"E
	Solid line (pier) in vicinity	52°26'41"N 4°41'24"E	Add	Depth 6.3 meters	51°24'46"N 3°39'39"E
	Solid line (pier) in vicinity	52°26'39"N 4°41'29"E		Depth 6.3 meters	51°24'32"N 3°39'23"E
Change	Legend to "Kruithaven" (44(553)03 's-Gravenhage)	52°26'44"N 4°41'10"E		(44(546, 559)03 's-Gravenhage)	
37165	2Ed. 2/3/96 LAST NM 8/04	11/04	37360	15Ed. 6/22/96 LAST NM 9/04	11/04
Delete	Depth 29.5 meters Well (See 30/03-37165)	53°42.3'N 4°36.2'E	Substitute	Depth 85 meters Wk [K30] (unsurveyed) (PD) for wreck (PD)	47°16.1'N 3°58.7'W
Add	Danger circle "Obstn" [K40] (PA) Platform (lighted) "L5-B" [L10]	53°31.5'N 6°10.1'E 53°42.3'N 4°36.1'E		Depth 97 meters Wk [K30] (unsurveyed) (PD) for wreck (PD)	47°19.7'N 4°40.2'W
	Submarine pipeline [L40.1] joining	53°42.2'N 4°36.1'E 53°41.9'N 4°35.7'E 53°39.6'N 4°32.4'E		Depth 105 meters Wk [K30] (unsurveyed) (PD) for wreck (PD)	47°22.9'N 4°59.3'W
	Depth 19.8 meters Obstn [K41]	53°47.3'N 6°11.3'E		Depth 65 meters Wk [K30] (unsurveyed) (PD) for 20 meters Wk (unsurveyed) (PD)	47°43.2'N 4°28.2'W
	Depth 20 meters Obstn [K41]	53°47.4'N 6°10.7'E		Depth 65 meters Wk [K30] (unsurveyed) (PD) for 20 meters Wk (unsurveyed) (PD)	47°29.5'N 4°48.7'W
	Depth 20.1 meters Obstn [K41]	53°42.3'N 6°04.9'E		Depth 88 meters Wk [K30] (unsurveyed) (PD) for wreck	47°35.6'N 4°23.9'W
	Depth 20.5 meters Obstn [K41]	53°41.9'N 6°06.7'E		(35(8)03 Brest)	
	(43(540), 44(548), 48(593), 49(610)03 's-Gravenhage)		37380	2Ed. 9/11/93 LAST NM 7/04	11/04
37166	2Ed. 7/13/96 LAST NM 7/04	11/04	Add	Wreck [K29]	46°39.7'N 2°50.5'W
Delete	Depth 29.5 meters Well (See 30/03-37166)	53°42.3'N 4°36.2'E		(45(26)03 Brest)	
Add	Platform (lighted) "L5-B" [L10]	53°42.3'N 4°36.1'E	37400	(INT 1803) 10Ed. 3/12/88 LAST NM 9/04	11/04
	Submarine pipeline [L40.1] joining	53°42.2'N 4°36.2'E 53°41.9'N 4°35.7'E 53°39.6'N 4°32.4'E	Add	Depth 28 meters Wk [K30] (unsurveyed)	46°07.2'N 2°07.2'W
	(43(540), 48(593)03 's-Gravenhage)			Wreck [K29]	46°39.7'N 2°50.5'W
	(28(33), 45(26)03 Brest)		37506	4Ed. 6/24/00 LAST NM 48/03	11/04
37221	13Ed. 2/3/96 LAST NM 8/04	11/04	Delete	Legend "Punta Promontorio"	43°27'46.0"N 8°14'21.0"W
Add	Danger circle "Obstn" [K40] (PA)	53°31.5'N 6°10.1'E	Add	Land tint to area (wharf) [F13] bound by shore and solid line joining	43°27'37.0"N 8°13'58.2"W 43°27'45.5"N 8°13'58.8"W 43°27'49.2"N 8°14'26.0"W 43°27'38.1"N 8°14'28.5"W
	Depth 19.8 meters Obstn [K41]	53°47.3'N 6°11.3'E		Double solid line with land tint (pier extension) [F14] joining	43°27'49.2"N 8°14'26.0"W 43°27'47.9"N 8°14'29.0"W 43°27'48.2"N 8°14'37.0"W
	Depth 20 meters Obstn [K41]	53°47.4'N 6°10.7'E			
	(44(548), 49(610)03 's-Gravenhage)			Light QG 1M	43°27'49.2"N 8°14'26.0"W
	(26(466)02 Cadiz; Spn LL)		42742	3Ed. 4/13/96 LAST NM 30/03	11/04
37223	14Ed. 9/2/95 LAST NM 7/04	11/04	Add	Submarine cable [L30.1] joining	69°19'13"N 33°54'00"E 69°19'13"N 33°58'58"E 69°19'42"N 33°57'19"E 69°20'00"N 33°54'52"E 69°20'00"N 33°54'00"E 69°20'15"N 33°55'49"E 69°20'30"N 33°55'43"E 69°20'17"N 33°55'04"E 69°20'30"N 33°55'22"E 69°22'40"N 33°55'49"E 69°22'49"N 33°56'10"E 69°24'51"N 34°03'01"E 69°25'12"N 34°06'40"E 69°24'58"N 34°10'13"E 69°24'00"N 34°16'49"E 69°23'12"N 34°23'37"E 69°22'30"N 34°24'37"E 69°21'55"N 34°39'01"E 69°20'47"N 34°42'49"E 69°19'55"N 34°47'31"E 69°18'15"N 34°58'13"E 69°17'48"N 35°04'10"E 69°16'40"N 35°05'46"E 69°15'49"N 35°06'16"E 69°13'54"N 35°07'58"E 69°12'12"N 35°09'02"E 69°11'21"N 35°08'52"E 69°11'13"N 35°08'37"E 69°11'10"N 35°07'57"E
	Delete	Depth 29.5 meters Well			
		Dangerous wreck			
		(See 30/03-37223)			
	Substitute	Depth 10.9 meters Wk [K26] for dangerous wreck			
	Add	Danger circle "Obstn" [K40] (PA)			
		Platform (lighted) "L5-B" [L10]			
		Submarine pipeline [L40.1] joining			
		53°42.2'N 4°36.1'E 53°41.9'N 4°35.7'E 53°39.6'N 4°32.4'E			
		Foul ground symbol [K31]			
		53°19.4'N 5°05.1'E			
		Foul ground symbol [K31]			
		53°19.5'N 5°04.9'E			
		Foul ground symbol [K31]			
		53°19.5'N 5°04.6'E			
		Depth 0.7 meter Wk [K26]			
		53°17.6'N 4°59.3'E			
		Depth 5.4 meters Wks [K26]			
		53°28.3'N 5°29.6'E			
		Depth 5.9 meters Obstn [K41]			
		53°28.1'N 5°28.9'E			
		Depth 2.1 meters Obstn [K41]			
		53°28.1'N 5°32.7'E			
		Depth 19.8 meters Obstn [K41]			
		53°47.3'N 6°11.3'E			
		Depth 20 meters Obstn [K41]			
		53°47.4'N 6°10.7'E			
		Depth 20.1 meters Obstn [K41]			
		53°42.3'N 6°04.9'E			
		Depth 20.5 meters Obstn [K41]			
		53°41.9'N 6°06.7'E			
		(43(540), 44(548), 46(576), 48(593), 49(610)03 's-Gravenhage)			
37242	10Ed. 5/16/98 LAST NM 43/03 (Panel A)	11/04			
Delete	Depth 17.4 meters Wk	51°55'54.5"N 4°13'07.2"E			
	Depth 14.4 meters Wk	51°56'44.5"N 4°10'56.4"E			
	Depth 17 meters Wk	51°54'31.6"N 4°15'22.9"E			
Change	Light "17" to L Fl G 8s (See 32/03-37242)	51°56'00.6"N 4°12'36.0"E			
	(Panel B)				
Delete	Depth 17 meters Wk	51°54'31.6"N 4°15'22.9"E			
	(46(577), 48(598)03 's-Gravenhage)				
				(43(666)98 St. Petersburg)	

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42760	5Ed. 8/19/95 LAST NM 2/04 Add Submarine cable [L30.1] joining	11/04 69°18.0'N 33°30.8'E 69°18.8'N 33°35.0'E 69°18.7'N 33°39.1'E 69°18.9'N 33°39.5'E 69°19.4'N 33°49.1'E 69°19.2'N 33°59.0'E 69°20.0'N 33°54.0'E 69°22.7'N 33°55.8'E 69°24.9'N 34°03.0'E 69°25.2'N 34°06.7'E 69°25.0'N 34°10.2'E 69°23.2'N 34°23.6'E 69°22.5'N 34°24.6'E 69°21.9'N 34°39.0'E 69°19.9'N 34°47.5'E 69°18.3'N 34°58.2'E 69°17.8'N 35°04.2'E 69°12.2'N 35°09.0'E	Maximum authorized depth 11m [M6] 58°19'38.0"N 11°51'04.0"E
	(43(6666)98 St. Petersburg)		Dashed line (fairway limit) between 58°19'31.2"E 11°50'31.3"E 58°19'42.0"N 11°51'13.0"E
42762	3Ed. 10/16/93 LAST NM N52/03 Add Submarine cable [L30.1] joining	N11/04 69°17'57"N 33°30'49"E 69°18'13"N 33°31'31"E 69°18'48"N 33°35'01"E 69°18'44"N 33°39'04"E 69°18'53"N 33°39'31"E 69°19'13"N 33°47'07"E 69°19'19"N 33°47'31"E 69°19'25"N 33°49'04"E 69°19'14"N 33°49'49"E 69°19'13"N 33°58'58"E 69°19'42"N 33°57'19"E 69°20'00"N 33°54'52"E 69°20'00"N 33°53'58"E 69°19'49"N 33°54'34"E 69°20'15"N 33°55'49"E 69°20'30"N 33°55'43"E 69°20'17"N 33°55'04"E 69°20'30"N 33°55'22"E 69°22'40"N 33°55'49"E 69°24'51"N 34°03'01"E 69°25'12"N 34°06'40"E 69°24'58"N 34°10'00"E	Dashed line (fairway limit) between 58°19'28.3"N 11°50'33.8"E 58°19'39.2"N 11°51'15.5"E (51-52(1891)97 Norrkoping)
43385	1Ed. 8/22/92 LAST NM 9/04 Substitute Rock awash [K12] for submerged rock	11/04 58°07'18"N 11°50'39"E (26(1228)03 Norrkoping)	
44001	2Ed. 10/19/96 LAST NM 9/04 Delete Light and RACON	11/04 59°40.2'N 19°50.0'E	
	Add Depth 10 meters	59°39.6'N 19°51.5'E	
	Buoy BYB, pillar, double cone topmark bases together, VQ(3) 5s [Q130.3]	59°39.6'N 19°51.6'E	
	(2-3(30, 31)02 Helsinki; BA LL)		
44015	8Ed. 7/22/95 LAST NM 9/04 Add Depth 10 meters enclosed by depth contour (10-meter)	11/04 59°39.6'N 19°51.5'E (2-3(31)02 Helsinki)	
44160	7Ed. 4/5/97 LAST NM 9/04 Add Position circle	11/04 57°02.4'N 18°08.8'E	
	Position circle	57°02.2'N 18°08.8'E	
	Position circle	57°02.3'N 18°09.5'E	
	Legend "Wind Generators (R Lts) (5)"	57°03.0'N 18°08.0'E	
	Submarine cable (power) [L30.1] joining	57°02.4'N 18°08.8'E	
		57°02.2'N 18°08.8'E	
		57°02.3'N 18°09.5'E	
		57°02.0'N 18°13.3'E	
		57°01.8'N 18°13.7'E	
	(51-52(1877)97 Norrkoping)		
43360	21Ed. 1/4/97 LAST NM 7/04 Add Submarine cable (power) [L31.1] between	11/04 58°34.7'N 11°04.4'E 58°34.6'N 11°13.4'E	
	(32(1305)03 Norrkoping)		
43375	7Ed. 8/22/92 LAST NM 5/04 Delete Submarine cable (power) between	11/04 58°34'39"N 11°04'14"E 58°34'50"N 11°13'16"E	
	Submarine cable between	58°34'39"N 11°04'14"E 58°34'35"N 11°02'03"E	
Add	Submarine cable (power) [L31.1] joining	58°34'45"N 11°04'26"E 58°34'46"N 11°04'45"E 58°34'31"N 11°05'32"E 58°34'40"N 11°08'53"E 58°34'39"N 11°13'25"E	
	(32(1305)03 Norrkoping)		
43384	1Ed. 9/14/91 LAST NM 9/04 Substitute Swept depth 13 meters for 11 meters "(1997)"	11/04 58°19'34"N 11°50'48"E	
Add	Buoy G, spar, QG	58°19'23"N 11°50'13"E	
	(Plan B)		
Delete	Buoy	58°19'54.0"N 11°51'55.0"E	
	Buoy	58°19'45.0"N 11°50'10.0"E	
Substitute	Swept depth 13 meters for 11 meters "(1997)"	58°19'34.0"N 11°50'48.0"E	
Add	Buoy R, spar, Fl R 3s	58°19'31.2"N 11°50'31.3"E	
	Buoy G, spar, Fl(2) G 6s	58°19'28.3"N 11°50'33.8"E	
	Buoy R, spar, QR	58°19'42.0"N 11°51'13.0"E	
	Buoy G, spar, QG	58°19'39.2"N 11°51'15.5"E	
	Buoy R, spar, Fl R 3s	58°19'55.4"N 11°51'56.8"E	
	(26(1251)03 Norrkoping)		

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44184	9Ed. 5/11/96 LAST NM 8/04 Add Submarine cable [L30.1] joining	11/04	59°17'00.0"N 18°43'59.0"E 59°17'08.8"N 18°43'43.6"E 59°17'32.2"N 18°44'07.4"E 59°17'37.1"N 18°44'24.3"E 59°17'54.0"N 18°44'50.4"E 59°17'52.4"N 18°46'03.8"E 59°17'45.7"N 18°46'17.8"E 59°17'52.3"N 18°46'13.2"E 59°18'00.5"N 18°46'16.1"E 59°18'24.8"N 18°47'38.2"E 59°18'44.4"N 18°48'25.4"E 59°18'43.1"N 18°49'06.7"E 59°18'17.4"N 18°50'28.8"E 59°18'12.7"N 18°51'41.3"E 59°18'05.6"N 18°52'08.8"E 59°17'43.9"N 18°53'27.1"E 59°17'28.3"N 18°53'47.3"E	"Anchorage Area E" bound by purple dashed line joining (51-52(727)02 Norrkoping)	61°37'06"N 17°07'39"E 61°37'15"N 17°07'39"E 61°37'15"N 17°07'39"E 61°37'06"N 17°07'39"E
44185	7Ed. 3/23/96 LAST NM 9/04 Add Submarine cable [L30.1] joining	11/04	59°17'04.6"N 18°42'04.1"E 59°17'02.0"N 18°42'14.0"E 59°17'08.1"N 18°42'30.7"E 59°17'08.5"N 18°42'51.0"E 59°17'00.0"N 18°43'01.0"E	"Anchorage Area D" bound by purple dashed line joining (51-52(733, 736)02 Norrkoping)	62°39'42"N 17°56'06"E 62°40'15"N 17°56'06"E 62°40'15"N 17°54'36"E 62°39'51"N 17°54'36"E
44186	2Ed. 6/15/96 LAST NM 3/04 Delete Depth 1.3 meters	11/04	59°17'52.4"N 18°46'00.0"E 59°17'45.7"N 18°46'17.8"E 59°17'52.3"N 18°46'13.2"E 59°18'00.5"N 18°46'16.1"E 59°18'24.8"N 18°47'38.2"E 59°18'44.4"N 18°48'25.4"E 59°18'43.1"N 18°49'06.7"E 59°18'17.4"N 18°50'28.8"E 59°18'12.7"N 18°51'41.3"E 59°18'05.6"N 18°52'08.8"E 59°17'43.9"N 18°53'27.1"E 59°17'28.3"N 18°53'47.3"E	"Anchorage Area A" bound by purple dashed line joining "Anchorage Area B" bound by purple dashed line joining "Anchorage Area C" bound by purple dashed line joining (51-52(736)02 Norrkoping)	62°14'48"N 17°38'30"E 62°15'27"N 17°38'30"E 62°16'48"N 17°33'18"E 62°15'36"N 17°33'18"E 62°21'06"N 17°37'51"E 62°21'15"N 17°37'51"E 62°21'15"N 17°35'42"E 62°21'06"N 17°35'42"E 62°24'12"N 17°37'18"E 62°25'48"N 17°37'18"E 62°25'48"N 17°34'54"E 62°24'03"N 17°34'54"E
44192	1Ed. 12/18/93 LAST NM 9/04 Relocate Buoy from 59°16'32"N 17°33'19"E to	11/04	59°39'36"N 18°57'12"E 59°39'38"N 18°57'15"E 59°16'34"N 17°33'19"E	Substitute Depth 8.6 meters for 9.4 meters Change Sectors of light between 312° and 050° to white 312°-323°, red-335°, green-347°, white-351°, red-050° Add Range light, front Iso 3s 16m 14M Range light, rear Iso 3s 33m 14M Range line extending 189°30' direction from above rear light, dashed for 2.18 miles, thence solid for 7 miles Legend "Ldg Lts 009°30'" along above range line	65°25.9"N 22°26.3'E 65°29.1'N 22°25.4'E 65°26.0"N 22°21.3'E 65°26.2"N 22°21.4'E 65°21.3'N 22°19.4'E
44205	2Ed. 4/9/94 LAST NM 43/03 Delete Buoy Buoy (See 31/03-44205)	11/04	60°42'50.0"N 17°16'51.1"E 60°42'40.0"N 17°16'40.4"E	(26(1254)03 Norrkoping)	65°26'03"N 22°26'42"E 65°32'03"N 22°22'48"E
44206	1Ed. 12/27/86 LAST NM 6/04 Delete Anchorage Area A in vicinity (See 17/03-44206)	11/04	61°36'12"N 17°21'00"E	Depth 5.7 meters Depth 7.4 meters Rk Substitute Depth 8.6 meters for 9.4 meters Change Designation of buoy "Vaktposten" to "Vaktposten NO" Sectors of light between 312° and 050° to white 312°-323°, red-335°, green-347°, white-351°, red-050° Add Buoy "Vaktposten NV" R, can, Fl R 3s	65°23'18"N 22°20'22"E 65°23'11"N 22°20'18"E 65°25'57"N 22°26'16"E 65°23'28"N 22°20'28"E 65°29'06"N 22°25'24"E 65°23'29"N 22°20'13"E
	"Anchorage Area C" bound by purple dashed line joining		61°36'14"N 17°27'09"E 61°36'45"N 17°26'48"E 61°36'45"N 17°25'54"E 61°36'14"N 17°24'57"E	(continued on next page)	

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44281	(Continued)				
	Buoy "Fenan SO" G, conical, Fl(2) G 6s	65°22'54"N 22°20'14"E			
	Dashed line (fairway limit) joining	65°23'29"N 22°20'13"E 65°23'28"N 22°20'28"E 65°22'54"N 22°20'14"E 65°22'55"N 22°20'00"E			
	Legend "10m"	65°23'11"N 22°20'20"E			
	Buoy R, spar	65°26'17"N 22°25'55"E			
	Buoy "Kupan" G, conical, Fl(2) G 6s	65°26'02"N 22°26'11"E			
	Range light, front Iso 3s 16m 14M	65°25'59"N 22°21'20"E			
	Range light, rear Iso 3s 33m 14M	65°26'14"N 22°21'27"E			
	Range line extending 189°30' direction from above rear light, dashed for 2.18 miles, thence solid for 6.8 miles				
	Legend "Lights in line 009°30'" along above range line	65°21'20"N 22°19'26"E			
	Radio reporting point symbol [M40] "4" with directional pointer 009°30'	65°18'06"N 22°18'24"E			
	Radio reporting point symbol [M40] "5" with directional pointers 050°-230°	65°24'42"N 22°21'48"E			
	Radio reporting point symbol [M40] "6" with directional pointers 356°-176°	65°27'24"N 22°26'18"E			
	Solid line (recommended track) [M4] joining	65°18'17"N 22°18'18"E 65°24'17"N 22°20'44"E 65°26'25"N 22°26'46"E 65°29'06"N 22°25'18"E			
	(51-52(1864-1866)97; Swd CH 414)				
44285	1Ed. 4/14/90 LAST NM 47/03		11/04		
Add	Maximum authorized draft 5.6 [M6] to solid line (recommended track)	65°43'42"N 23°00'48"E			
	(21(1160)03 Norrkoping)				
44286	1Ed. 4/14/90 LAST NM 47/03		11/04		
Add	Maximum authorized draft 8.4 [M6] to solid line (recommended track)	65°45'55.0"N 23°20'50.0"E			
	(21(1161)03 Norrkoping)				
44313	1Ed. 4/11/87 LAST NM 40/03		11/04		
Add	Buoy YB, spar, double cone topmark points downward	61°08'17.4"N 21°25'36.0"E			
	Buoy BY, spar, double cone topmark points upward	61°08'13.2"N 21°25'49.2"E			
	(Plan)				
Add	Buoy YB, spar, double cone topmark points downward	61°08'17.4"N 21°25'36.0"E			
	Buoy BY, spar, double cone topmark points upward	61°08'13.2"N 21°25'49.2"E			
	Buoy R, spar	61°08'13.8"N 21°26'12.0"E			
	Buoy R, spar	61°08'11.4"N 21°26'09.0"E			
	(See 47/02-44313)				
	(2-3(35)02 Helsinki)				
44340	11Ed. 8/10/96 LAST NM 7/04		11/04		
Delete	Pilot station symbol	59°57.7'N 26°59.9"E			
Add	Pilot station symbol [T1.1]	59°59.8'N 26°39.9"E			
	(45(7336, 7339)03 St. Petersburg)				
44360	9Ed. 10/12/96 LAST NM 2/04		11/04		
Delete	Pilot station symbol	59°57.7'N 26°59.9"E			
	"Pilot Waiting Area NO 7" centered	60°10.3'N 28°36.9"E			
Add	Pilot station symbol [T1.1]	60°08.0'N 28°09.9"E			
	Pilot station symbol [T1.1]	60°09.0'N 28°38.6"E			
	Pilot station symbol [T1.1]	59°59.8'N 26°39.9"E			
	(45(7336-7339)03 St. Petersburg)				
44365	1Ed. 8/3/91 LAST NM 4/04		11/04		
Add	Depth 11.2 meters	60°35'31.3"N 28°29'34.3"E			
	(45(7335)03 St. Petersburg)				
44420	6Ed. 12/14/96 LAST NM 9/04		11/04		
Add	Position circle	57°02.4'N 18°08.8"E			
	Position circle	57°02.3'N 18°09.5"E			
	Legend "Wind Generators (R Lts) (5)"	57°03.0'N 18°08.0"E			
	Submarine cable (power) [L30.1] joining	57°02.4'N 18°08.8"E 57°02.2'N 18°08.8"E 57°02.3'N 18°09.5"E 57°02.0'N 18°13.3"E 57°01.8'N 18°13.7'E			
	(51-52(1877)97 Norrkoping)				
53060	14Ed. 9/30/89 LAST NM 6/04		11/04		
Add	Danger circle "Obstn" [K40] (PD)	43°22.5'N 3°42.6"E			
	(28(38)03 Brest)				
53064	6Ed. 1/28/95 LAST NM 39/03		11/04		
Add	Danger circle "Obstn" [K40] (PD)	43°22'29.4"N 3°42'37.8"E			
	(28(38)03 Brest)				
53065	2Ed. 9/3/94 LAST NM 39/03		11/04		
Add	Danger circle "Obstn" [K40] (PD)	43°22'29.4"N 3°42'37.8"E			
	(28(38)03 Brest)				
53066	2Ed. 7/16/94 LAST NM 39/03		11/04		
Add	Danger circle "Obstn" [K40] (PD)	43°22'29.4"N 3°42'37.8"E			
	(28(38)03 Brest)				
53086	8Ed. 6/4/94 LAST NM 17/03		11/04		
Add	Wreck [K29] (PA)	43°37'43.2"N 7°20'21.6"E			
	(29(38)03 Brest)				
53100	16Ed. 11/18/89 LAST NM 31/03		11/04		
Add	Wreck [K29] (PA)	43°37.7'N 7°20.4"E			
	(29(38)03 Brest)				
53111	3Ed. 5/11/02 LAST NM 44/02		11/04		
Delete	Racon from light	42°06'00.5"N 11°46'19.5"E			
	(12(3)03 Genova)				
53120	14Ed. 7/3/99 LAST NM 35/03		11/04		
Delete	Racon from light	42°06.0'N 11°46.2"E			
	(12(3)03 Genova)				
53149	2Ed. 6/22/96 LAST NM 31/02		11/04		
Delete	Racon from light	42°06'00.0"N 11°46'19.0"E			
Add	Buoy (wavemeter) Y, spherical, "X" topmark, Fl(5) Y 20s [Q59]	42°07'30.0"N 11°44'29.4"E			
	(12(2, 3)03 Genova)				
53180	10Ed. 1/21/95 LAST NM 29/03		11/04		
Add	Buoy (wavemeter) Y, spherical, "X" topmark, Fl(5) Y 20s [Q59]	37°54.9'N 16°04.9"E			
	(12(4)03 Genova)				
53200	6Ed. 12/18/93 LAST NM 4/04		11/04		
Add	Buoy (wavemeter) Y, spherical, "X" topmark, Fl(5) Y 20s [Q59]	37°54.9'N 16°04.9"E			
	(12(4)03 Genova)				
54040	3Ed. 6/18/83 LAST NM 20/03		11/04		
Add	Buoy (wavemeter) Y, spherical, "X" topmark, Fl(5) Y 20s [Q59]	37°54.9'N 16°04.9"E			
	Buoy (wavemeter) Y, spherical, "X" topmark, Fl(5) Y 20s [Q59]	38°18.3'N 16°27.0"E			
	(12(4)03 Genova)				
55084	7Ed. 6/1/96 LAST NM 39/03		11/04		
Add	Light L Fl G 6s 2M	46°19'26.0"N 30°40'07.5"E			
	(43(6971)03 St. Petersburg)				

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55101	4Ed. 8/24/96 LAST NM 9/04 Add Light Q(9) 15s to buoy "99" (45(7043)98 St. Petersburg)	11/04 46°47'59"N 31°53'18"E	62590	2Ed. 5/29/99 LAST NM 1/04 Add Dangerous wreck [K28] (NTM0005/2004)	11/04 29°49'00"N 48°47'30"E
55128	2Ed. 3/18/00 LAST NM 9/04 Add Buoy "Measuring instruments" RB, pillar, Fl Y 2s	11/04 44°39'36.7"N 37°51'16.2"E	62591	3Ed. 5/29/99 LAST NM N1/04 Add Dangerous wreck [K28] (NTM0005/2004)	N11/04 29°49'00"N 48°47'30"E
	Beacon	44°43'02.1"N 37°48'17.2"E	71244	3Ed. 10/24/81 LAST NM 38/01 Substitute Position circle "Bn Ru" for light (See 24/98-71244) (51(5539)03 Taunton)	11/04 1°10'03.5"N 104°00'12.0"E
	(Plan) Add Beacon "Measuring instruments" (44(7188)03 St. Petersburg)	44°43'02.1"N 37°48'17.2"E (44(7188)03 St. Petersburg)	71247	18Ed. 7/10/99 LAST NM 22/03 Substitute Depth 10.2 meters Wk [K26] for 10.6 meters Wk	11/04 1°16'15.6"N 103°53'42.0"E
55129	7Ed. 6/15/96 LAST NM 9/04 Add Buoy RB, pillar, Fl Y 2s Buoy RB, pillar, Fl Y 2s Foul ground symbol [K31] (45(7052)98, 44(7188)03 St. Petersburg)	11/04 44°38'03"N 37°40'02"E 44°39'37"N 37°51'16"E 44°30'30"N 38°00'07"E	Add Foul ground symbol [K31] Foul ground symbol [K31] Foul ground symbol [K31] Foul ground symbol [K31] (9(62, 65)03 Singapore)	1°16'13.2"N 103°54'30.0"E 1°16'35.4"N 103°53'00.6"E 1°16'27.6"N 103°53'12.6"E 1°16'30.0"N 103°52'47.4"E	
55130	2Ed. 2/8/97 LAST NM 9/04 Add Danger circle "Obstns" [K40] Danger circle "Obstns" [K40] (44(7182)03 St. Petersburg)	11/04 45°04.1'N 33°09.9"E 45°03.9'N 33°08.6"E	71255	6Ed. 3/22/03 LAST NM 10/04 Substitute Depth 10.7 meters Wk [K26] for 10.2 meters Wk (9(64)03 Singapore)	11/04 1°14'10.8"N 103°39'09.0"E
55140	2Ed. 9/28/96 LAST NM 9/04 Delete Buoy (mooring)	11/04 44°48.2'N 34°52.1'E	71257	2Ed. 6/29/96 LAST NM 10/04 Substitute Depth 10.7 meters Wk [K26] for 9.3 meters Wk Depth 10.2 meters Wk [K26] for 10.6 meters Wk	11/04 1°14'11"N 103°39'09"E
	Add Danger circle "Obstns" [K40] Danger circle "Obstns" [K40] (44(7182, 7183)03 St. Petersburg)	45°04.1'N 33°09.9"E 45°03.9'N 33°08.6"E	Add Foul ground symbol [K31] Foul ground symbol [K31] Foul ground symbol [K31] Foul ground symbol [K31] (9(62, 64, 65)03 Singapore)	1°16'13"N 103°54'30"E 1°16'35"N 103°53'01"E 1°16'28"N 103°53'13"E 1°16'30"N 103°52'47"E	
55180	2Ed. 10/12/96 LAST NM 9/04 Add Foul ground symbol [K31] (45(7052)98 St. Petersburg)	11/04 44°30.5'N 38°00.1'E	71259	3Ed. 1/18/03 LAST NM 10/04 Substitute Depth 10.2 meters Wk [K26] for 11.4 meters Wk	11/04 1°16'16"N 103°53'42"E
55200	2Ed. 8/17/96 LAST NM 4/04 Add Buoy RW, pillar, ball topmark, L Fl 6s (45(7405)03 St. Petersburg)	11/04 45°13.6'N 36°28.5'E	Add Foul ground symbol [K31] Foul ground symbol [K31] Foul ground symbol [K31] Foul ground symbol [K31] (9(62, 65)03 Singapore)	1°16'13"N 103°54'30"E 1°16'35"N 103°53'01"E 1°16'28"N 103°53'13"E 1°16'30"N 103°52'47"E	
62090	7Ed. 1/16/99 LAST NM 2/02 Substitute Depth 14.9 meters Wk for 13.3 meters Wk (42(4513)03 Taunton)	11/04 12°30.7'N 43°19.0'E	71265	3Ed. 6/8/02 LAST NM 10/04 Substitute Depth 10.7 meters Wk [K26] for 9.3 meters Wk Depth 10.2 meters Wk [K26] for 10.6 meters Wk	11/04 1°14'11"N 103°39'09"E
62100	6Ed. 8/8/92 LAST NM 26/03 Substitute Depth 14.9 meters Wk for 13.7 meters Wk (42(4513)03 Taunton)	11/04 12°30'42"N 43°19'00"E	Add Dangerous wreck [K28] "Rep 2003" (PA) Foul ground symbol [K31] Foul ground symbol [K31] (9(62, 65)03 Singapore)	1°16'16"N 103°53'42"E 1°16'13"N 103°54'30"E 1°16'35"N 103°53'01"E 1°16'28"N 103°53'13"E 1°16'30"N 103°52'47"E	
62290	3Ed. 2/23/91 LAST NM 26/03 Substitute Depth 14.9 meters Wk for 13.3 meters Wk (42(4513)03 Taunton)	11/04 12°30.7'N 43°19.0'E	71440	2Ed. 1/18/03 LAST NM 23/03 Substitute Depth 10.2 meters Wks [K26] for 10.6 meters Wks	11/04 1°16.3'N 103°53.7'E
★62432	17Ed. 10/4/03 LAST NM 50/03 Change Chart title in upper margin of chart to "APPROACHES TO MINA' AL AHMADI AND MINA' ASH SHU'AYBAH" (NGA)	11/04	Add Dangerous wreck [K28] "Rep (2003)" (PA) (9(63, 65)03 Singapore)	1°27.3'N 104°37.1'E	
62434	9Ed. 12/8/01 LAST NM 5/04 Add Dangerous wreck [K28] (NTM0005/2004)	11/04 29°49'00"N 48°47'30"E	74182	12Ed. 2/13/99 LAST NM 49/03 Delete Dashed line and legend "Brisbane Port Limit" between 27°01'39"S 153°28'04"E 26°57'28"S 153°23'32"E	11/04
62570	4Ed. 1/26/02 LAST NM 9/04 Add Dangerous wreck [K28] (NTM0005/2004)	11/04 29°49'00"N 48°47'30"E	Change Beacon to G, cone topmark, Fl G 4s (See 40/03-74182)	27°35'36"S 153°23'52"E	
★62572	1Ed. 10/4/03 LAST NM 50/03 Change Chart title in title box to "MINA' AL AHMADI AND MINA' ASH SHU'AYBAH" (Plan) Change Plan title to "MINA' ASH SHU'AYBAH" (NGA)	11/04 29°01'24.0"N 48°09'06.0"E	(continued on next page)		

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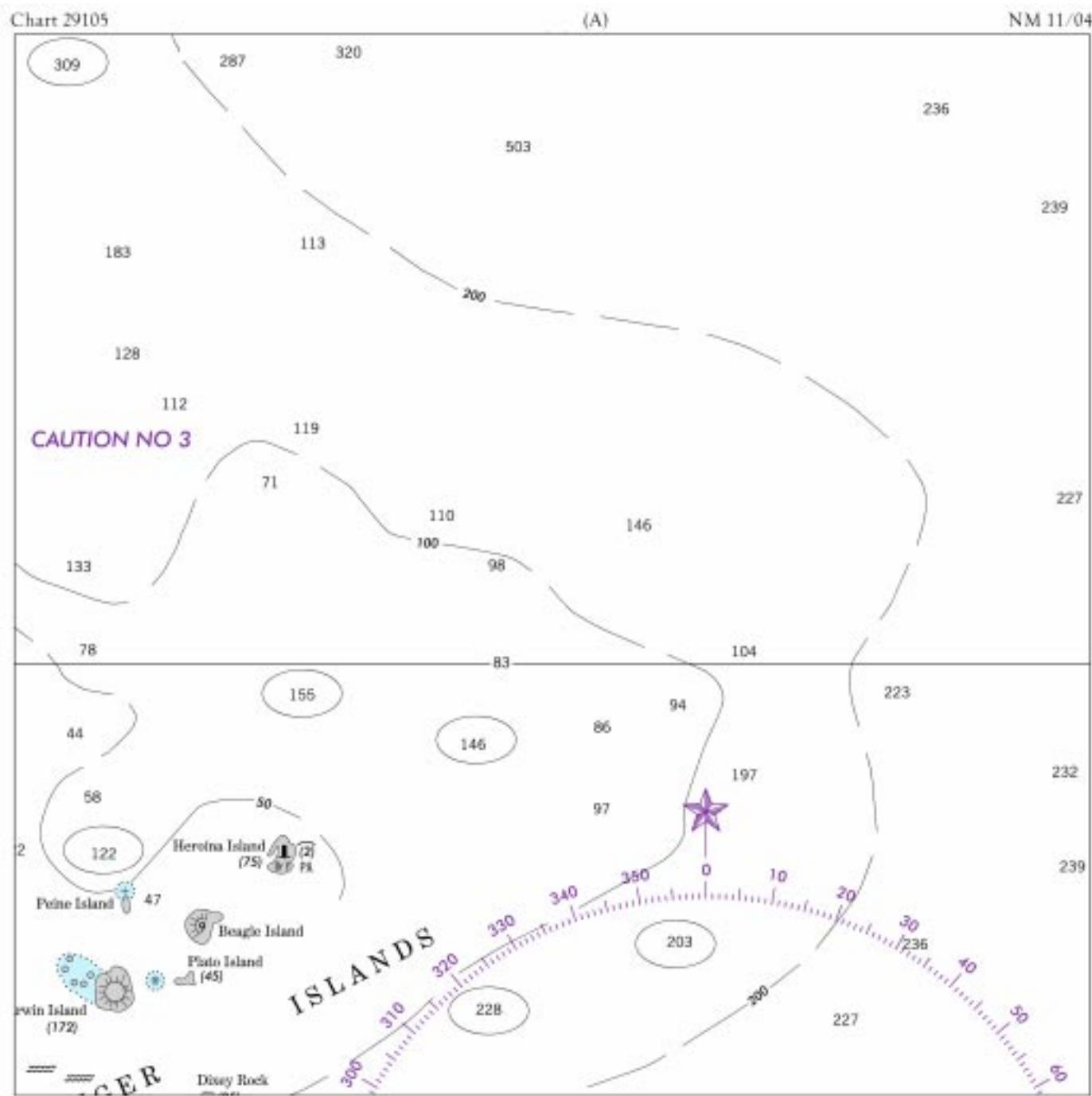
NM 11/04

74182	(Continued)		
Add	Submarine cable [L30.1] between	27°02'00"S 153°06'02"E 27°01'47"S 153°07'21"E	
	Dashed line with legend "Brisbane Pilotage Area" between	27°01'38"S 153°28'02"E 26°57'28"S 153°23'26"E	
	(22(602), 25(701)99, 13(358)00 Wollongong)		
74184	10Ed. 11/28/98 LAST NM 8/04	11/04	
Delete	Dashed line and legends "Brisbane Port Limit" (2) joining	26°38'51"S 153°06'12"E 26°38'51"S 153°09'47"E 26°48'06"S 153°13'28"E 27°01'39"S 153°28'04"E	
Add	Dashed line with legend "Brisbane Pilotage Area" joining	26°38'34"S 153°05'56"E 26°38'34"S 153°10'04"E 26°49'54"S 153°15'04"E 27°01'38"S 153°28'02"E	
	(25(701)99 Wollongong)		
74201	9Ed. 1/28/95 LAST NM 32/03	11/04	
Delete	Dashed-line area and legend "Spoil Area (Minimum depth 9m)" in vicinity	23°52'24.6"S 151°28'33.6"E	
Change	Legend "Limits of Port of Gladstone" to "Gladstone Pilotage Area"	23°58'09.5"S 151°30'06.5"E	
	Legend "Limits of Port of Gladstone" to "Gladstone Pilotage Area"	23°54'12.0"S 151°34'37.5"E	
Add	"Spoil Area (Minimum depth 9m)" bound by dashed line joining	23°51'31.8"S 151°27'54.6"E 23°52'49.8"S 151°27'05.4"E 23°53'50.4"S 151°29'01.2"E 23°52'32.4"S 151°29'50.4"E	
	(24(679)99 Wollongong)		
74204	5Ed. 8/23/97 LAST NM 46/03	11/04	
Delete	Dashed-line area and legend "Spoil Ground (Min depth 9m)" in vicinity	23°52'25"S 151°28'34"E	
Change	Legend "Limits of Port of Gladstone" to "Gladstone Pilotage Area"	23°46'25"S 151°26'04"E	
	Legend "Limits of Port of Gladstone" to "Gladstone Pilotage Area"	23°58'43"S 151°28'35"E	
Add	"Spoil Ground (Min depth 9m)" area bound by dashed line joining	23°51'32"S 151°27'55"E 23°52'50"S 151°27'05"E 23°53'50"S 151°29'01"E 23°52'32"S 151°29'50"E	
	(24(679)99 Wollongong)		
74220	8Ed. 3/7/98 LAST NM 50/03	11/04	
Change	Beacon to BRB, double ball topmark, Fl(2) 6s	20°21.3'S 149°01.6"E	
	(21(586)99 Wollongong)		
75051	6Ed. 1/23/99 LAST NM 5/04	11/04	
Delete	Purple dashed-line arc of a circle and legend "Quarantine Line" between	35°03'42"S 117°56'44"E 35°00'14"S 117°56'03"E	
	Legend "Quarantine"	35°01'25"S 117°55'58"E	
	Legend "Anchorage"	35°02'30"S 117°57'06"E	
	(21(590)99 Wollongong)		
75052	2Ed. 8/8/98 LAST NM 10/04	11/04	
Delete	Purple dashed-line arc of a circle and legends "QUARANTINE LINE" (2) between	35°03'58.0"S 117°56'04.3"E 35°00'15.0"S 117°56'00.0"E	
	Legend "QUARANTINE"	35°01'17.0"S 117°56'23.5"E	
	Legend "ANCHORAGE"	35°02'36.0"S 117°56'44.0"E	
	(21(590)99 Wollongong)		
★81060	2Ed. 5/8/93 LAST NM 9/04	11/04	
Delete	Buoy and legend "(FAD)"	13°16.3'N 144°36.8'E	
	Add	Buoy "D" Y, Fl Y 4s (Priv) with legend "(FAD)" (See 8, 9/04-81060) (51, 52/03 CG14)	13°17.0'N 144°37.0'E
93721	5Ed. 6/5/99 LAST NM 8/04	11/04	
Add	Buoy "Weather 4" Y, pillar, Fl Y 6s	22°19'38"N 113°56'56"E	
	Buoy "Weather 5" Y, pillar, Fl Y 3s	22°17'39"N 113°52'08"E	
	(2(2)04 Hong Kong)		
*93736	24Ed. 12/20/03 NEW EDITION	11/04	
Delete	Depth 6.9 meters (Previously published 1/04)	22°20'31.2"N 114°05'18.6"E	
Add	Depth 6.3 meters Depth 9.3 meters (Previously published 1/04)	22°20'32.5"N 114°05'17.9"E 22°20'31.6"N 114°05'20.2"E	
Substitute	Depth 12.4 meters for 11.7 meters Depth 11.5 meters for 12.2 meters	22°17'08.4"N 114°05'08.5"E 22°17'12.3"N 114°04'55.8"E	
Add	Depth 6.8 meters (NGA; 25(77), 26(82)03 Hong Kong)	22°17'12.2"N 114°07'46.4"E	
94060	10Ed. 5/18/96 LAST NM 42/03	11/04	
Substitute	Depth 8.5 meters Wk [K26] for stranded wreck (Supersedes 42/03-94060) (48(1055)03 Tianjin)	24°21.1'N 118°16.9'E	
94061	5Ed. 4/27/96 LAST NM 52/03	11/04	
Substitute	Depth 8.5 meters Wk [K26] for stranded wreck (Supersedes 42/03-94061) (48(1055)03 Tianjin)	24°21'05"N 118°16'56"E	
96041	11Ed. 12/4/93 LAST NM 8/04	11/04	
Add	Depth 3.5 meters enclosed by dotted-line circle (33(5374)03 St. Petersburg)	42°56'23"N 132°24'15"E	
96042	11Ed. 6/19/82 LAST NM 8/04	11/04	
Delete	Pier (32(5168)03 St. Petersburg)	43°06'30.3"N 131°55'22.0"E	
96043	8Ed. 12/14/85 LAST NM 16/02	11/04	
Add	Depth 3.5 meters enclosed by dotted-line circle (33(5374)03 St. Petersburg)	42°56'23"N 132°24'15"E	
96440	3Ed. 9/30/95 LAST NM 27/01	11/04	
Delete	R Bn (25(3965)03 St. Petersburg)	57°11.0'N 156°36.0"E	
96480	3Ed. 9/23/95 LAST NM 51/03	11/04	
Delete	R Bn (25(3965)03 St. Petersburg)	57°11.0'N 156°35.0"E	
96540	5Ed. 8/26/95 LAST NM 10/03	11/04	
Delete	Depth 420 meters (no bottom found) Depth 457 meters (no bottom found) Depth 237 meters (no bottom found) (31(5039)03 St. Petersburg)	56°43.7'N 163°33.9"E 56°40.2'N 163°34.8"E 56°35.2'N 163°34.1"E	
96620	3Ed. 10/28/95 LAST NM 38/03	11/04	
Add	Submarine cable [L30.1] between (32(5166)03 St. Petersburg)	64°44.0'N 177°32.2"E 64°45.7'N 177°34.3"E	
96621	5Ed. 10/4/97 LAST NM 38/03	11/04	
Add	Submarine cable [L30.1] joining (32(5166)03 St. Petersburg)	64°44'00"N 177°32'10"E 64°45'00"N 177°33'24"E 64°45'42"N 177°34'16"E	

96883	9Ed. 4/25/98 LAST NM 7/02 Add Buoy BYB, pillar (32(5167)03 St. Petersburg)	11/04 50°40'57.1"N 156°08'12.5"E
97163	14Ed. 9/2/95 LAST NM 36/03 Add Buoy Y, spar, (Y Lt) Buoy Y, conical, (Y Lt)	11/04 35°01'56.4"N 138°31'08.6"E 35°02'18.5"N 138°31'00.1"E
	Danger circle [K1] "Wave meter" Danger circle [K1] "Wave meter"	35°01'56.2"N 138°31'09.4"E 35°02'18.1"N 138°31'00.4"E
	(1(3)04 Tokyo)	
97221	20Ed. 1/17/98 LAST NM 7/04 Add Solid line (breakwater) [F4.1] between	11/04 34°14'14"N 135°05'49"E 34°14'09"N 135°05'59"E
	(1(4)04 Tokyo)	
97222	12Ed. 12/27/97 LAST NM 29/03 Delete Purple composite line and legend "Entry Prohibited" in vicinity	11/04 34°14'14"N 135°05'49"E
	Add Solid line (breakwater) [F4.1] between	34°14'14"N 135°05'49"E 34°14'09"N 135°05'59"E
	Position circle with legend "(R Lt)" Position circle with legend "(G Lt)"	34°14'14"N 135°05'49"E 34°14'09"N 135°05'59"E
	(1(4)04 Tokyo)	
97224	6Ed. 12/27/97 LAST NM 45/03 Delete Purple composite-line area and legend "Entry Prohibited" in vicinity	11/04 34°14'13.5"N 135°05'49.0"E
	Add Double solid line with land tint (breakwater) [F4.1] between	34°14'13.5"N 135°05'49.0"E 34°14'09.3"N 135°05'59.0"E
	Position circle with legend "(R Lt)" Position circle with legend "(G Lt)"	34°14'13.5"N 135°05'49.0"E 34°14'09.3"N 135°05'59.0"E
	(1(4)04 Tokyo)	
97483	7Ed. 6/14/97 LAST NM 20/03 Add Legend "Lesser depths reported (2004)"	11/04 24°25'50"N 123°48'28"E
	(1(22)04 Tokyo)	

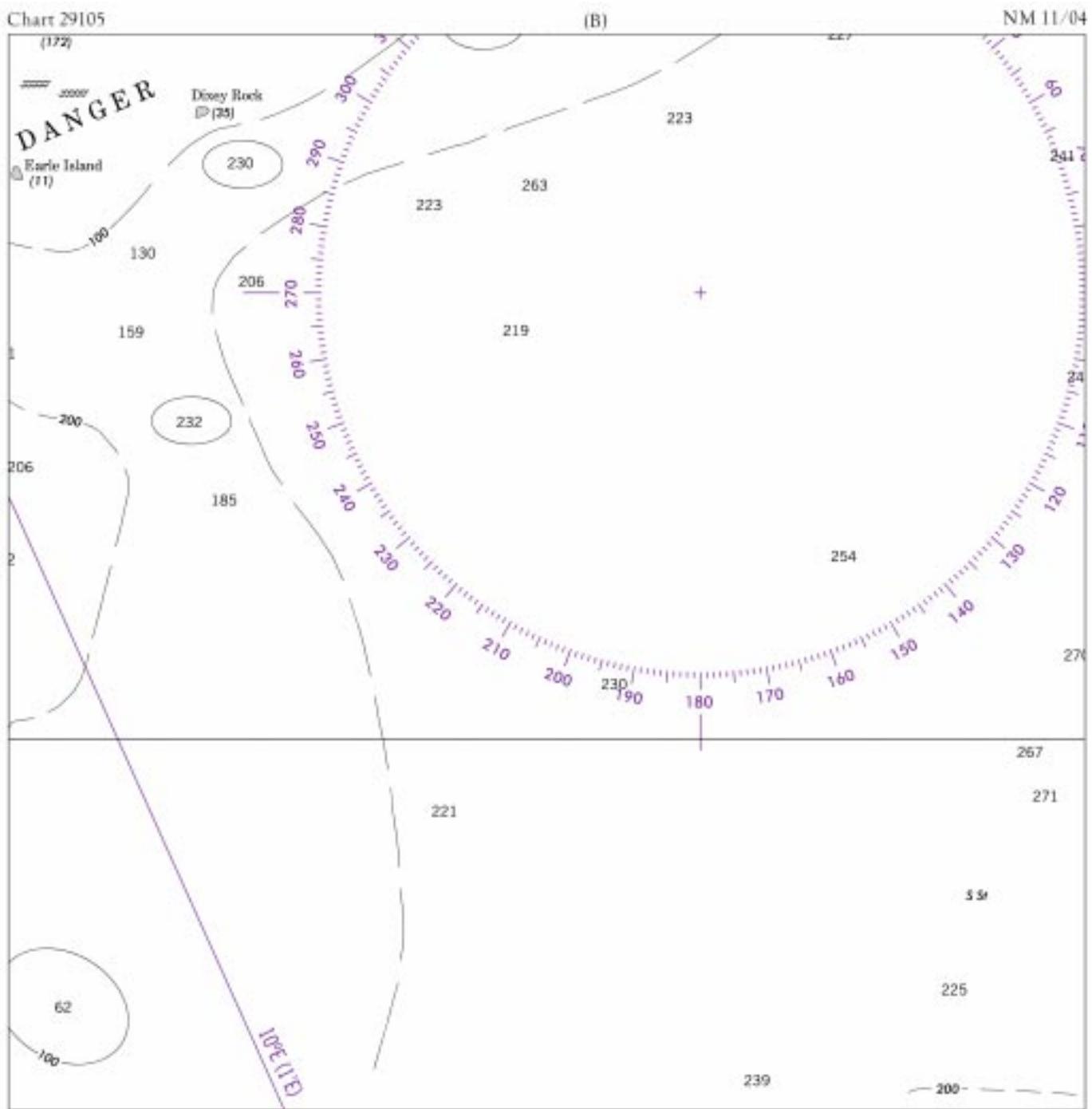
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Chart 11376

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MOBILE BAY AND RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2003						
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 (AUT. MILES) DEPTH (FEET) MLLW
ENTRANCE CHANNEL	42.2	47.0	44.2	7-03	600	7.0 47
MOBILE BAY:						
LOWER REACH (TO LIGHT 50)	40.8	44.6	42.5	7-03	400	11.8 45
UPPER REACH	32.1	39.7	36.5	7-03	400	13.4 40-45
MOBILE RIVER:						
PINTO ISLAND REACH	32.9	39.6	32.6	11-03	700-800	0.6 40
MOBILE CHANNEL	33.1	39.1	37.6	11-03	600	1.5 40
MOBILE TURNING BASIN	39.3	39.9	36.5	11-03	200-675	0.4 40
BLAKELEY ISLAND REACH	38.7	36.1	30.0	11-03	500	1.0 40
ST. LOUIS POINT REACH	18.9	25.4	22.3	6-00	500	0.2 25
CHICKASAW CREEK CHANNEL	15.6	24.7	22.4	7-01	250	2.7 25
ARLINGTON CHANNEL	17.3	18.8	18.4	9-03	150	1.4 27
OCEAN TERMINAL TURNING BASIN	17.4	18.4	11.1	9-03	600	0.1 27
THEODORE SHIP CHANNEL:						
BAY CUT	35.2	37.5	37.1	9-01	400	4.5 40
ANCHORAGE AREA	40.0	40.0	39.9	9-01	300	0.2 40
LAND CUT	36.6	38.4	A36.6	9-01	300	1.5 40
TURNING BASIN	37.0	38.0	34.8	9-01	1400	0.3 40
BARGE CHANNEL	10.4	11.6	9.0	1-02	100	1.1 12
A. ROCK OBSTRUCTIONS REPORTED FROM BUOY "20", CONTINUING FOR APPROXIMATELY 600 FEET EASTWARD. MINIMUM DEPTH OVER ROCKS IS 38 FEET.						
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

SECTION II

NM 11/04

NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
REGION 1								
11AHA11361 (7642014010133)	Mississippi River Delta (LORAN-C) Insets: Southwest Pass South Pass Head of Passes (Insets not shown on index)	80,000 40,000 40,000 40,000	71	<u>12/03</u>	NOS	1-94	11/04	
11AHA11447 (7642014010148)	Key West Harbor	10,000	36	<u>11/03</u>	NOS	1-94	11/04	
11BCO11484 (7642014010200)	Ponce de Leon Inlet to Cape Canaveral (LORAN-C)	80,000	22	<u>11/03</u>	NOS	1-94	11/04	
12AHA12263 (7642014010318)	Chesapeake Bay, Cove Point to Sandy Point (LORAN-C)	80,000	53	<u>11/03</u>	NOS	1-94	11/04	
18ACO18746 (7642014011508)	San Pedro Channel (LORAN-C) Inset: Dana Point Harbor	80,000 20,000	35	<u>11/03</u>	NOS	1-99	11/04	
REGION 2								
21BHA21384 (7642014011744)	Lazaro Cardenas and Approaches Plan: Puerto Lazaro Cardenas (Plan not shown on index)	75,000 15,000	4	<u>11/03</u>	A	2-62	11/04	
22BHA22138 (7642014007788)	<u>Plans on the North Central Coast of Peru</u> A. Pimental and Puerto Eten B. Puerto Malabriga C. Salaverry	25,000 25,000 15,000	3	<u>5/03</u>	A	2-12,62	11/04	
26AHA26309 (7642014012102)	<u>Nassau and Approaches</u> Plan: Nassau	50,000 10,000	27	<u>8/03</u>	A	2-53,64	11/04	
REGION 6								
62AHA62432 (7642014013373)	<u>Approaches to Mina' al Ahmadi and Mina' Ash Shu'aybah</u>	75,000	17	10/03	A	6-20	11/04	
62AHA62572 (7642015072043)	<u>Mina' al Ahmadi and Mina' Ash Shu'aybah</u> Plan: Mina' Ash Shu'aybah	25,000 12,500	1	10/03	A	6-21	11/04	
REGION 9								
93AHA93736 (7642014014046)	<u>Victoria Harbor and Approaches (Hong Kong Harbor)</u> (The 23rd edition was found to be defective and not announced in the Notice to Mariners)	20,000	24	<u>12/03</u>	A	9-20,42	11/04	
MISCELLANEOUS CHARTS AND PUBLICATIONS								
CDPUBSUMV1 (7644014673956)	<u>(Volume 1) East Coast of North and South America</u> (Subregions 11 thru 15 and 23 thru 28)			<u>2003</u>	GPO	10-23, 39	11/04	

Price Categories effective 1 October 2002

A	17.75	E	9.00
D	10.75	F	9.00
		G	4.50
		H	2.50
		I	26.25
		R	2.50

SECTION II

NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

CHS Canadian Hydrographic Service
DS Distribution Limited
GPO Government Printing Office
NOS National Ocean Service
* Not for sale or reproduction outside U.S.A.

To locate the nearest NOS Sales Agents in your area, go to - <http://acc.nos.noaa.gov/Naut/NautAgents.html>

Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS**PUB 160 2 Ed 2002 LAST NM 6/04**

Page 111—Line 40/L; read:

Iraqi ports or Al-Basra Oil Terminal (Mina Al-Bakr Oil Terminal) must pass
(PUBS 017-03)

11/04

Page 111—Line 49/L; read:

not be authorized to proceed to Al-Basra Oil Terminal (Mina Al-Bakr Oil Terminal) for the

(PUBS 017-03) 11/04

Page 111—Line 30/R; read:

a. Oil tankers inbound to Al-Basra Oil Terminal (Mina Al-Bakr Oil Terminal)

(PUBS 017-03) 11/04

Page 115—Line 1/R; read:

end of March/beginning of April through the end of September/beginning of October; the exact

(BA NP 282) 11/04

Page 115—Lines 6 to 11/R; read:

The mailing addresses are, as follows:

1. Israel address—
71 Hayarkon Street
Tel Aviv 63903
2. U.S. address—
PSC 98, Box 100
APO AE 09830

(NGA) 11/04

COAST PILOT CORRECTIONS**COAST PILOT 3 36 Ed 2003 Change No. 29 LAST NM 9/04**

Page 71—Paragraph 635, line 3 to Paragraph 636; read:

advance notice is given.

(b) [Suspended]

(c) From 8 a.m. on October 16, 2003, until 11 p.m. on May 14, 2004, the draw of the County of Cape May Bridge, mile 0.7, between Stone Harbor and Nummy Island need not open for the passage of vessels.

(FR 10/28/03) 11/04

COAST PILOT 4 35 Ed 2003 Change No. 24 LAST NM 9/04

Page 461—Paragraph 132, lines 8 to 10; read:

channel is marked by lights and daybeacons.

(DB 2231) 11/04

Page 472—Paragraph 301, line 4; read:
depth of 6 feet in July 2003. Marinas in the basin ...
(DB 1932)

11/04

Page 472—Paragraph 313, lines 4 to 8; read:
of 4.5 feet in February 2003, leads to yacht basin. A marina is at the southeast end of the basin, and a small-craft facility is on the north side. In February 2003, 5 feet was reported alongside the piers. Berths with electricity, water, and ice are available; a lift to 25 ...
(CL 866/03)

11/04

Page 473—Paragraph 314, lines 3 to 4; read:
which had a reported approach depth of 6 feet in October 2003. Berths with electricity, water, ice, wet and dry storage and ...
(CL 1717/03)

11/04

Page 473—Paragraph 315, lines 3 to 4; read:
leads to a marina on Merritt Island. In October 2003, an approach depth of 4.5 feet and an alongside depth of 3.5 ...
(CL 1717/03)

11/04

Page 475—Paragraph 348, lines 2 to 4; read:
has berthage with electricity, water, ice, wet storage and a launching ramp. In 2002, an approach depth of 6 feet and an alongside depth of 4 feet were reported.
(CL 994/03)

11/04

Page 479—Paragraph 407, line 5; read:
and a 30-ton marine lift. In May 2003, the ...
(CL 1317/03)

11/04

Page 483—Paragraph 468, lines 3 to 5; read:
vessels up to 60 feet for hull, engine and electronic repairs; lift to 75 tons.
(CL 1376/03)

11/04

Page 483—Paragraph 480, lines 2 to 7; read:
a marina with berths, electricity, diesel fuel, gasoline, ice, water, marine supplies, pump-out station and wet and dry storage are available. Hull, engine and electronic repairs can be made; lift to 99 tons and marine railway to 100 feet. In February 2003, the reported approach depth was 12 feet with an alongside depth of 10 feet. Stores, motels ...
(CL 993/03)

11/04

Page 484—Paragraph 491, lines 4 to 6; read:
engine and electronic repairs can be made; lift to 35 tons. In April 2003, an approach depth of 7 feet ...
(CL 1078/03; NOS 11467)

11/04

Page 484—Paragraph 492, line 9; read:
and wet and dry storage available. Mobile lifts to 70 ...
(CL 1078/03; NOS 11467)

11/04

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*5407	Chincoleague Channel Warning Daybeacon A					NW on pile worded DANGER SUBMERGED PIPELINE.	Private aid. 11/04
9660	- Anchorage Daybeacon A	36 52 40 N 75 20 38 W				NY on pile.	Ra ref. 11/04
		*					
10795	NEWPORT NEWS CREEK LIGHT 2	36 57 35 N 76 24 34 W	Fl R 2.5s	15	3	TR on pile.	 11/04
		*					
	Phoebus Channel						
10995	- OBSTRUCTION LIGHT	36 59 58 N 76 18 43 W	Q W	15	5	NW on pile worded DANGER SUBMERGED PILING.	 11/04
		*					
	Warwick River						
11525	- Daybeacon 2	37 04 57 N 76 32 35 W				TR on pile.	Ra ref. 11/04
		*					
37775	- LIGHT 161		Q G	15	3	SG-SY on pile.	 11/04
			*				
37810	- LIGHT 170		Fl R 4s	15	4	TR-TY on pile.	 11/04
			*				

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1050	Rock Key Obstruction Daybeacon						Remove from list. *
							11/04
1565	ST. MARTINS OUTER SHOAL LIGHT 10 On west point of shoal.	28 25 50 N 82 55 05 W	Fl R 4s	16	5	TR on dolphin.	At west point of shoal. *
							11/04
13540.8	Duck Key Channel Daybeacon 13					SG on pile.	Private aid. *
							11/04
	KEY WEST HARBOR (Chart 11447)						
	Key West Harbor Main Channel						
14830	Lighted Buoy 5	24 30 31 N 81 48 18 W	Fl G 4s	4	Green.		At edge of shoal. *
							11/04

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19970	<i>La Costa Test Pile South Lighted Buoy</i>		Q R			Red.	Private aid. * 11/04
19975	<i>La Costa Test Pile North Lighted Buoy</i>		Q R			Red.	Private aid. * 11/04
22320	- <i>Lighted Buoy 16</i>		Q R		4	Red.	 * 11/04
45845	- LIGHT 229		Fl G 4s	12	4	SG-SY on pile.	 * 11/04
45915.5	- LIGHT 240		Fl R 6s	16	4	TR-TY on pile.	 * 11/04
48590	- LIGHT 69	25 44 30 N 80 11 00 W	Fl G 2.5s	16	3	SG-SY on pile.	 * 11/04
50770	- LIGHT 21		Fl G 4s	16	4	SG-SY on pile.	 * 11/04
52215	- LIGHT 20		Q R	16	3	TR-TY on pile.	 * 11/04
54750	- LIGHT 93	26 31 40 N 81 59 42 W	Fl G 2.5s	16	3	SG-SY on pile.	 * 11/04
55295	- LIGHT 11		Q G	16	4	SG-SY on pile.	 * 11/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
* 470	<i>Tarpon-101-1 Lighted Buoy</i> Marks subsea installation.	28 47 49 N 89 33 30 W	Fl W 2.5s	10		White with orange bands.	SIGN: TARPON-WD-112-1. Private aid. 11/04
667	<i>El Paso-142-13 Lighted Buoy</i> Marks subsea installaton						Remove from list. * 11/04
1197	<i>Galveston Safety Fairway Lighted Wreck Buoy WR4</i>	28 58 25 N 94 39 50 W	Q R		3	Red.	Marks submerged wreck. * 11/04

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
 Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3240	- <i>Lighted Buoy 13</i> 50 feet outside channel limit.		Fl G 4s		3	Green.	
	*						11/04
3245	- <i>Lighted Buoy 14</i> 50 feet outside channel limit.		Fl R 4s		4	Red.	
	*						11/04
*3246	- <i>Lighted Buoy 15</i> 50 feet outside channel limit.		Fl G 2.5s		4	Green.	
							11/04
*3247	- <i>Lighted Buoy 16</i> 50 feet outside channel limit.		Fl R 2.5s		4	Red.	
							11/04
3250	- <i>Lighted Buoy 15A</i> 170 feet outside channel limit.	30 08 38 N 85 41 05 W	Q G		5	Green.	
	*	*					11/04
3325 29775	- <i>West Lighted Buoy 5</i>	30 09 16 N 85 41 52 W	Fl G 4s			Green can with yellow square.	
	*						11/04
3335 29780	- <i>West Lighted Buoy 6</i>	30 09 30 N 85 42 21 W	Fl R 2.5s		3	3 Red with yellow triangle.	
	*	*					11/04
*3341	- <i>West Lighted Buoy 10</i>	30 10 10 N 85 43 01 W	Fl R 4s		4	Red with yellow triangle.	
							11/04
3350 29795	- <i>West Lighted Buoy 11</i>		Fl G 4s			Green with yellow square.	
	*				*		11/04
*3351	- <i>West Lighted Buoy 13</i>		Fl G 2.5s		4	Green with yellow square.	
							11/04
6810.4	- <i>Lighted Buoy 4</i>	30 09 54 N 88 33 12 W	Fl R 2.5s		3	Red.	
	*						11/04

PASCAGOULA HARBOR (Chart 11375)

Bayou Casotte Channel

7355	- RANGE A FRONT LIGHT	30 20 09 N 88 30 46 W	Fl G 2.5s (Day) Fl G 2.5s (Night)	48 45	Skeleton tower on piles.	Visible on range line only.
		*				11/04
7360	- RANGE A REAR LIGHT 935 yards, 000.2° from front light.	30 20 36 N 88 30 47 W	Iso G 6s (Day) Iso G 6s (Night)	80 83	Skeleton tower on piles.	Visible on range line only.
	*	*				11/04

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Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16520	- RANGE FRONT LIGHT	29 05 57 N 90 13 23 W	Q W Q W	19 18	3	KRW on platform.	
		*	*	*	*		11/04
16523	- RANGE FRONT PASSING LIGHT						Remove from list. *
							11/04
19965	- LIGHT 6	29 30 04 N 92 18 50 W	Fl R 6s	17	4	TR on dolphin.	Ra ref.
		*					11/04
20615	- Lighted Buoy 39	29 43 33 N 93 20 22 W	Fl G 2.5s		4	Green.	
		*					11/04
21597	- OLD RIVER OBSTRUCTION LIGHT WR1						Remove from list. *
							11/04
21810	- RANGE G FRONT LIGHT	29 49 34 N 93 57 44 W	Q W Q G	38 36			Ra ref. Lighted throughout 24 hours.
		*	*		*		*
21815	- RANGE G REAR LIGHT 425 yards, 342.5° from front light.		Iso W 6s Iso G 6s	72 74			Ra ref. Lighted throughout 24 hours.
		*	*		*		*
22740 34390	Pelican Island Spit Shoal Lighted Buoy P	29 20 27 N 94 46 21 W	Fl (2+1) G 6s		4	Green and red bands.	
		*					11/04
Houston Ship Channel							
22815 34385	- Entrance Lighted Bell Buoy 18	29 21 04 N 94 47 01 W	Q R		4	Red with yellow square.	
		*					11/04
25990	- Lighted Buoy 4 250 feet outside channel limit.	28 24 19 N 96 18 12 W	Fl R 2.5s		4	Red.	
		*					11/04
29775 3325	- West Lighted Buoy 5	30 09 16 N 85 41 52 W	Fl G 4s			Green can with yellow square.	
		*					11/04
29780 3335	- West Lighted Buoy 6	30 09 30 N 85 42 21 W	Fl R 2.5s		3	Red with yellow triangle.	
		*					11/04
*29786	- West Lighted Buoy 10	30 10 10 N 85 43 01 W	Fl R 4s		4	Red with yellow triangle.	
		*					11/04

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Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
29795 3350	- West Lighted Buoy 11		Fl G 4s			Green can with yellow square.	
	*						11/04
*29796	- West Lighted Buoy 13		Fl G 2.5s		4	Green with yellow square.	
							11/04
33585	- LIGHT 2	29 39 36 N 91 14 35 W	Q R		17	4 TR on pile.	Ra ref.
	*						11/04
34385 22815	Houston Ship Channel Entrance Lighted Bell Buoy 18	29 21 04 N 94 47 01 W	Q R		4	Red with yellow square.	
	*						11/04
34390 22740	Pelican Island Spit Shoal Lighted Buoy P	29 20 27 N 94 46 21 W	Fl (2+1) G 6s		4	Green can with red bands.	
	*						11/04
36455	- Buoy 6					Remove from list.	
	*						11/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*81	NOAA Environmental Lighted Buoy 46086	32 29 54 N 117 59 57 W	Fl (4) Y 20s			Yellow disc-shaped buoy.	
							11/04
	Hilo Harbor						
28035	- Entrance Lighted Buoy 1	19 44 34 N 155 04 47 W	Fl G 2.5s		5	Green.	
							11/04
28060	- RANGE FRONT LIGHT	19 43 57 N 155 03 12 W	F G		75	KRW on post.	Visible 4° each side of rangeline. Lighted throughout 24 hours.
	*						11/04
	OAHU ISLAND (Chart 19357)						
29060	Diamond Head Light	21 15 18 N 157 48 36 W	Oc (2) W 10s (R sector) 2s fl 1.5s ec. 5s fl 1.5s ec.	147	W 17 55 R 14	White concrete tower.	Obscured from 110° to 272°, red from 099° to 110°. Between 105° to 110°, red sector may be obscured by vegetation. Lighted throughout 24 hours. Emergency light of reduced intensity when main light is extinguished. Operates during periods of darkness only.
							*
							11/04

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*97 - Isla Naos, "M1". G 3201		8° 55.0' N 79° 32.2' W	Fl.Y. period 2s			At head of mine dock.	11/04
*98 - "M2". G 3201.2		8° 54.8' N 79° 32.2' W	Fl.Y. period 2s fl. 0.5s, ec. 1.5s			Yellow beacon on pile.	11/04

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21456 - Range, front. F 1697.95						Remove from list.	*
							11/04

CORRECTIONS TO PUB 112, RADIOBEACONS, 2004 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
1850 Ostrov Ptichiy						Remove from list.	*
							11/04

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*2502 - NW. head. D 1699.1		43° 27.8' N 8° 14.4' W	Q.G.		1	Green post; 10.	11/04
9140 -Antemurale Colombo, head. E 1510		42° 05.8' N 11° 46.6' E	Fl.G. period 3s fl. 1s, ec. 2s	46 14	8	Green lantern on pedestal; 16. Private light.	
*			*		*		*
*17885 -E. side. E 5072.3		46° 19.4' N 30° 40.1' E	L.F.I.G. period 6s	2			11/04

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9972.4	Troskeln Vastra. <i>C 6459.5</i>						Remove from list.
11696	-Vitfagelrannan. <i>C 5735</i>	65° 29.1' N 22° 25.4' E	Q.W.R.G.	46 14	W. 13 R. 10 G. 9	Red tower, white top, on gray base; 49. Floodlit.	W. 132°30'-141°, R.-161°, G.- 180°, R.-300°, G.-312° W.- 323°, R.-335°, G.-347°, W.- 351°, R.-050°, G.-132°30'.
*							*
*11702	-Junkon Range, front. <i>C 5754.2</i>	65° 26.0' N 22° 21.3' E	Iso.W. period 3s	52 16	14	Framework mast, red rectangular daymark, white stripe.	11/04
*11702.1	--Rear, 500 meters 009°30' <i>C 5754.3</i> from front.	65° 26.2' N 22° 21.5' E	Iso.W. period 3s	108 33	14	Framework mast, red rectangular daymark, white stripe.	Synchronized with front.
*11702.1	--Rear, 500 meters 009°30' <i>C 5754.3</i> from front.	65° 26.2' N 22° 21.5' E	Iso.W. period 3s	108 33	14	Framework mast, red rectangular daymark, white stripe.	Synchronized with front.
							11/04

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Denotes a new entry when preceding the station number.

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 11/04**

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.		
NOSPBCP8	25	32*,33,34,39,42,48, 51/03;1,7,8,10/04		
NOSPBCP9	21	30*,32,33,36,39,42, 48,51/03;8/04		
RADIO NAVIGATIONAL AIDS				
RAPUB117	2002	50/02*;13/03		
AMERICAN PRACTICAL NAVIGATOR				
NVPUB9	2002	36/02*;14,38/03		
INTERNATIONAL CODE OF SIGNALS				
CDPUBNV102	2003	20/03*		
WORLD PORT INDEX				
NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03		
DISTANCES BETWEEN PORTS				
NVPUB151	2001	4/02*		
RADAR NAVIGATION AND MANEUVERING BOARD MANUAL				
CDPUBNV1310	2001	51/01*		
SIGHT REDUCTION TABLES (MARINE)				
SRPUB229V1	1970	11/71*		
SRPUB229V2	1970	11/71*		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
SIGHT REDUCTION TABLES (AIR)				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
CHART NO. 1				
WOBZC1	1997	18/98*		
CHART NO. 4				
WOBZC4	1988	N23/91*		
ATLAS OF PILOT CHARTS				
NVPUB106	2002	42/03*		
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTTCWPACIN4	2004	N1/04*		
NOSPBTTECSTNSA4	2004	N1/04*		
NOSPBTTEURAFR4	2004	N1/04*		
NOSPBTWCSTNSA4	2004	N1/04*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN4	2004	N1/04*		
NOSPBTCTPACAS4	2004	N1/04*		

SECTION III

NM 11/04

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 261200Z February 2004:

2003 series 108(26,27)	387(GEN) 2004 series	53(24) 54(11,26)	55(11) 57(GEN)	58(GEN) 59(24)	60(GEN)
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The summary of all NAVAREA IV messages in force as of 11 December 2003 is given in Section III of NM 52/03.

NAVAREA IV WARNINGS issued from 191300Z to 261200Z February 2004.

52/04. CANCELED.

53/04(24). NORTH ATLANTIC. ROCKETS.

1. HAZARDOUS OPERATIONS 0611Z TO 1130Z DAILY
25 FEB THRU 26 MAR IN AREAS:
 - A. WITHIN 12 MILES OF COASTLINE BETWEEN
05-19N 052-47W AND 05-04N 052-30W.
 - B. BOUND BY 06-04N 047-15W, 05-32N 047-12W,
05-27N 048-13W, 05-58N 048-16W.
 - C. BOUND BY 06-00N 045-46W, 05-40N 045-45W,
05-34N 047-17W, 05-53N 047-18W.
2. CANCEL THIS MSG 261230Z MAR.

(201010Z FEB 2004)

54/04(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 0500Z TO 0459Z COMMENCING DAILY
23 THRU 29 FEB IN AREA BOUND BY
30-45N 080-32W, 30-45N 079-40W,
30-38N 079-40W, 30-34N 080-32W.
 - B. 0500Z TO 0459Z COMMENCING DAILY
23 THRU 29 FEB IN AREA BETWEEN
29-10N 29-20N AND 079-40W 079-50W.
 - C. 1300Z TO 0459Z COMMENCING DAILY
24 THRU 26 FEB AND 0500Z TO 0700Z
DAILY 25 THRU 27 FEB DAILY IN AREA
BETWEEN 30-00N 29-50N AND 081-00W 080-50W.
 - D. 241500Z TO 241800Z FEB IN AREA BOUND BY
30-35N 080-21W, 30-35N 081-00W,
30-00N 081-15W, 30-00N 081-02W.
 - E. 1100Z TO 1414Z DAILY 27 AND 28 FEB
IN AREA BOUND BY 30-10N 080-20W,
30-10N 079-00W, 29-15N 079-00W,
29-15N 080-20W, 30-10N 080-20W.
2. CANCEL THIS MSG 010559Z MAR.

(201410Z FEB 2004)

55/04(11). FLORIDA-EAST COAST. GPS SATELLITE SYSTEM.

1. GPS UNRELIABLE 1600Z TO 2000Z DAILY 22 FEB THRU 16 MAR
AND 0001Z TO 0400Z DAILY 23 FEB THRU 17 MAR
WITHIN 40 MILES OF 30-50N 080-25W.
2. CANCEL THIS MSG 170500Z MAR.

(201510Z FEB 2004)

56/04. CANCELED.

57/04(GEN). GPS SATELLITE SYSTEM.

PRN 02 UNUSABLE.

(221715Z FEB 2004)

58/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 241000Z FEB 2004. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 51(24), 53(24), 54(11,26), 55(11), 57(GEN).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE
AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA IV 4/04, 47/04.

(241010Z FEB 2004)

SECTION III

59/04(24). NORTH ATLANTIC.

1. OCEANOGRAPHIC OPERATIONS IN PROGRESS UNTIL
16 MAR BY M/V L'ATALANTE IN AREA BOUND BY
05-00N 047-40W, 05-00N 047-10W,
08-40N 047-00W, 08-20N 048-25W.
WIDE BERTH REQUESTED.
2. CANCEL NAVAREA IV 51/04.
3. CANCEL THIS MSG 17 MAR.

(241210Z FEB 2004)

60/04(GEN). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 260030Z TO 260551Z FEB, ALTERNATE
270030Z TO 270551Z FEB IN AREAS BOUND BY:
 - A. 29-08N 076-29W, 28-32N 076-29W,
28-32N 075-44W, 29-08N 075-45W.
 - B. 27-53N 073-20W, 27-39N 072-20W,
27-33N 071-19W, 27-57N 071-12W,
28-10N 072-07W, 28-23N 073-13W.
 - C. 26-46N 068-05W, 25-56N 067-20W,
25-32N 065-51W, 26-27N 065-36W,
27-05N 067-58W.
 - D. 16-09N 044-37W, 14-33N 041-50W,
14-24N 039-27W, 15-03N 039-05W,
16-26N 041-33W, 17-31N 043-51W.
2. CANCEL THIS MSG 270651Z FEB.

(241240Z FEB 2004)

61/04 thru 64/04. CANCELED.

SECTION III

NM 11/04

HYDROLANTS

Messages in force 261200Z February 2004:

2000 series	604(26,27)	2266(37)	2419(54)	227(37)	309(GEN)
2937(38)	738(35)	2297(24)	2420(54)	229(57)	313(55)
3762(43)	1117(37)	2319(53)	2004 series	230(57)	314(24)
4265(44)	1242(24)	2340(52,53)	29(37)	238(56)	315(37)
2001 series	1291(37)	2354(24)	36(51,52)	249(57)	316(GEN)
611(44)	1374(52,53)	2374(35)	106(37)	254(53)	317(24)
2700(37)	1422(53)	2384(23,24)	113(56)	256(53)	318(57)
3161(44)	1472(35)	2399(24)	124(53)	259(54,56)	321(55)
2002 series	1731(35)	2406(54)	143(37)	272(24)	322(53)
245(GEN)	1834(22)	2407(54)	163(56)	282(37)	323(55)
246(GEN)	1944(53)	2408(54)	164(53)	288(53)	325(36)
2682(51)	1999(23)	2409(54)	169(51,52)	289(24)	326(52,53,56)
2848(37)	2031(55)	2410(54)	170(23)	292(24)	327(51)
2003 series	2058(24)	2413(54)	172(53)	294(53)	328(37)
41(37)	2175(24)	2414(54)	176(53)	300(24)	
67(37)	2203(53)	2416(54)	177(52)	306(24)	
544(55)	2235(37)	2418(52)	224(24)	307(24)	

The summary of all HYDROLANTS in force as of 11 December 2003 is given in Section III of NM 52/03.

HYDROLANT WARNINGS issued from 191300Z to 261200Z February 2004.

296/04 thru 299/04. CANCELED.

300/04(24). NORTH ATLANTIC. ROCKETS.

1. HAZARDOUS OPERATIONS 0611Z TO 1130Z DAILY
25 FEB THRU 26 MAR IN AREAS:
 - A. WITHIN 12 MILES OF COASTLINE BETWEEN
05-19N 052-47W AND 05-04N 052-30W.
 - B. BOUND BY 06-04N 047-15W, 05-32N 047-12W,
05-27N 048-13W, 05-58N 048-16W.
 - C. BOUND BY 06-00N 045-46W, 05-40N 045-45W,
05-34N 047-17W, 05-53N 047-18W.
2. CANCEL THIS MSG 261230Z MAR.

(201015Z FEB 2004)

301/04 thru 305/04. CANCELED.

306/04(24). BRAZIL-EAST COAST.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 270259Z FEB
BY M/V POLAR BJORN TOWING 50 METER LONG CABLE
IN AREA BOUND BY
20-21S 039-30W, 20-50S 040-10W,
21-28S 040-10W, 20-50S 039-30W.
TWO MILE BERTH REQUESTED.
2. CANCEL THIS MSG 270359Z FEB.

(220526Z FEB 2004)

307/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 280259Z FEB
BY M/V CGG HARMATTAN TOWING SIX 6000 METER
LONG CABLES IN AREA BOUND BY
25-35S 045-56W, 25-50S 045-52W,
25-42S 045-08W, 25-26S 045-14W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 280359Z FEB.

(220536Z FEB 2004)

308/04. CANCELED.

309/04(GEN). GPS SATELLITE SYSTEM.
PRN 02 UNUSABLE.

(221720Z FEB 2004)

310/04 thru 312/04. CANCELED.

SECTION III

313/04(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0630Z TO 1230Z DAILY
24 THRU 27 FEB IN AREA BOUND BY
45-03.5N 036-22.5E, 44-52.1N 036-22.5E,
44-49.6N 035-50.5E, 44-59.9N 035-50.5E.
2. CANCEL HYDROLANT 1995/03(53), AID RESTORED.
3. CANCEL THIS MSG 271330Z FEB.

(231110Z FEB 2004)

314/04(24). SOUTH ATLANTIC. GUNNERY.

1. GUNNERY EXERCISES 1000Z TO 2359Z DAILY
28 AND 29 FEB IN AREA BETWEEN
35-20S 35-45S AND 054-45W 055-16W.
2. CANCEL HYDROLANT 304/04.
3. CANCEL THIS MSG 010059Z MAR.

(231900Z FEB 2004)

315/04(37). DOVER STRAIT.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY CABLESHIP PETER FABER VICINITY
51-20N 002-28E. WIDE BERTH REQUESTED.

(240820Z FEB 2004)

316/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 241200Z FEB 2004. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 106(37), 113(56), 124(53), 143(37), 163(56),
164(53), 169(51,52), 170(23), 172(53), 176(53), 177(52),
224(24), 227(37), 229(57), 230(57), 238(56), 249(57),
254(53), 256(53), 259(54,56), 272(24), 281(24), 282(37),
284(23,29), 288(53), 289(24), 292(24), 294(53), 300(24),
301(24), 306(24), 307(24), 309(GEN), 310(24), 311(24),
312(24), 313(55), 314(24), 315(37).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE
AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROLANT 17/04, 47/04, 91/04, 128/04,
214/04, 220/04, 268/04.

(241140Z FEB 2004)

317/04(24). NORTH ATLANTIC.

1. OCEANOGRAPHIC OPERATIONS IN PROGRESS UNTIL
16 MAR BY M/V L'ATALANTE IN AREA BOUND BY
05-00N 047-40W, 05-00N 047-10W,
08-40N 047-00W, 08-20N 048-25W.
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 281/04.
3. CANCEL THIS MSG 17 MAR.

(241220Z FEB 2004)

318/04(57). SOUTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 260030Z TO 260551Z FEB, ALTERNATE
270030Z TO 270551Z FEB IN AREAS BOUND BY
08-26S 003-18W, 13-19S 001-16W, 14-00S 003-13W,
12-52S 003-47W, 09-22S 003-47W.
2. CANCEL THIS MSG 270651Z FEB.

(241250Z FEB 2004)

319/04 and 320/04. CANCELED.

321/04(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0900Z TO 1600Z DAILY
26 AND 27 FEB AND 280930Z TO 281500Z FEB
IN AREA BOUND BY 44-43.8N 032-52.2E,
44-34.8N 032-37.4E, 44-39.0N 032-11.5E,
44-48.4N 032-08.2E, 45-00.2N 032-14.2E,
44-52.2N 032-41.6E.
2. CANCEL THIS MSG 281600Z FEB.

(241830Z FEB 2004)

322/04(53). SICILIA-SOUTHEAST COAST. GUNNERY.

1. GUNNERY EXERCISES SUNRISE TO SUNSET DAILY 01 THRU 05,
08 THRU 12, 15, 16, 19, 22 THRU 26 AND 29 THRU 31 MAR
WITHIN 1.5 MILES OF 36-39-19N 015-00-53E.
2. CANCEL HYDROLANT 301/04(24) AND 320/04(23).
3. CANCEL THIS MSG 01 APR.

(250810Z FEB 2004)

SECTION III

NM 11/04

323/04(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0830Z TO 1400Z DAILY
26 AND 27 FEB IN AREA BOUND BY
44-31.2N 033-08.9E, 44-05.2N 032-48.5E,
44-25.0N 032-25.5E, 44-41.4N 032-56.0E.
2. CANCEL THIS MSG 271500Z FEB.

(251210Z FEB 2004)

324/04. CANCELED.

325/04(36). IRISH SEA.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP ATLANTIC GUARDIAN VICINITY 53-49N 004-37W.
WIDE BERTH REQUESTED.

(252117Z FEB 2004)

326/04(52,53,56). STRAIT OF SICILY.

VESSEL, BLUE HULL WITH WHITE STRIPE, 100 PERSONS ON BOARD,
IN NEED OF ASSISTANCE WITHIN 50 MILES OF 34-34N 012-31E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC ROME, TELEX: 4361 1172,
PHONE: 390 6592 4145, FAX: 390 6592 2737.

(260810Z FEB 2004)

327/04(51). NORTH ATLANTIC. GUNNERY.

1. GUNNERY EXERCISES 021530Z TO 021800Z MAR
WITHIN 20 MILES OF 35-30N 007-00W.
2. CANCEL THIS MSG 021900Z MAR.

(261050Z FEB 2004)

328/04(37). DOVER STRAIT.

CHART 37121 (11TH ED).

1. COLBART NORTH BUOY 50-57N 001-23E UNLIT.
2. CANCEL HYDROLANT 2266/03.

(261210Z FEB 2004)

SECTION III**NAVAREA XII**

Messages in force 261200Z February 2004:

2003 series 262(GEN)	2004 series 68(21,22)	70(GEN) 73(GEN)	75(19) 76(16,17)	77(18)
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The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03.

NAVAREA XII WARNINGS issued from 191300Z to 261200Z February 2004.

68/04(21,22). NORTH PACIFIC. ROCKETS.

1. HAZARDOUS OPERATIONS 0611Z TO 1130Z DAILY
25 FEB THRU 26 MAR IN AREA BOUND BY
06-23N 090-45W, 04-17N 090-39W,
03-37N 103-32W, 05-42N 103-42W.
2. CANCEL THIS MSG 261230Z MAR.

(201020Z FEB 2004)

69/04. CANCELED.

70/04(GEN). GPS SATELLITE SYSTEM.
PRN 02 UNUSABLE.

(221725Z FEB 2004)

71/04 and 72/04. CANCELED.

73/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 241000Z FEB 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 38(19), 67(18), 68(21,22), 70(GEN).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA XII 10/04, 62/04.

(241020Z FEB 2004)

74/04. CANCELED.

75/04(19). NORTH PACIFIC. HAWAII. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2400Z DAILY MONDAY THRU SUNDAY IN THE PACIFIC MISSILE RANGE FACILITY, HAWAIIAN AREA, BARKING SANDS, KAUAI. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1600Z TO 0400Z DAILY MONDAY THRU FRIDAY. THE PACIFIC MISSILE RANGE FACILITY HAWAIIAN AREA (W188) IS BOUND BY:
 - A. 22-00.0N 159-51.0W.
 - B. 22-00.0N 160-00.0W THENCE CCW THREE MILES FROM C. 22-02.7N 160-09.1W. NIIHAU/LEHUA.
 - D. 22-03.0N 160-21.0W.
 - E. 22-05.0N 161-35.0W THENCE CW 100 MILES FROM F. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
 - G. 22-45.0N 161-25.0W.
 - H. 22-56.0N 161-49.0W THENCE CW 125 MILES FROM I. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
 - J. 23-57.0N 160-41.0W.
 - K. 25-41.0N 161-36.0W THENCE CW 240 MILES FROM L. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
 - M. 25-47.0N 158-15.0W.
 - N. 23-54.0N 158-15.0W.
 - O. 22-20.0N 159-09.0W THENCE CCW 25 MILES FROM P. 21-58.1N 159-20.5W. LIHUE VORTAC.
 - Q. 22-13.0N 159-42.0W THENCE CCW THREE MILES AND PARALLEL TO THE SHORELINE OF KAUAI.
 - R. 22-00.0N 159-51.0W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "MISSILE RANGE BARKING SANDS" ON 2182 KHZ, 4491 USB OR 156.8 MHZ (CHANNEL 16) BEFORE ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT THE PACIFIC MISSILE RANGE FACILITY PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH U.S. COAST GUARD HONOLULU.
3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE THE VESSEL'S SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
4. CANCEL NAVAREA XII 38/04.

(251020Z FEB 2004)

SECTION III

76/04(16,17). NORTH PACIFIC. ALASKA.

LORAN-C STATION PORT CLARENCE, RATE 7960-Z, UNUSABLE.

(260250Z FEB 2004)

77/04(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

- A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
- B. 33-52N 119-06W. TO THE SHORELINE.
- C. 33-29N 119-07W. N. 34-24N 120-30W.
- D. 33-29N 118-37W. O. 34-08N 120-26W.
- E. 33-20N 118-37W. P. 34-08N 119-40W.
- F. 32-11N 120-16W. Q. 34-00N 119-40W.
- G. 31-54N 121-35W. R. 34-06N 119-13W.
- H. 35-09N 123-39W. S. 34-06N 119-11W.
- I. 35-29N 123-00W. T. 34-07N 119-10W.
- J. 35-04N 122-43W. U. 34-07N 119-07W.
- K. 35-57N 121-32W. V. 34-04N 119-04W.
- L. 34-59N 120-42W.

2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.

3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.

4. CANCEL NAVAREA XII 67/04.

(261010Z FEB 2004)

SECTION III

NM 11/04

HYDROPACS

Messages in force 261200Z February 2004:

2001 series	895(62)	1911(62)	182(95)	270(61)	337(74)
1976(62)	960(63)	1982(GEN)	183(95)	277(63)	338(62,63)
2002 series	993(62)	2004(73,74)	184(71)	278(63)	339(63)
205(GEN)	998(71)	2106(73)	185(95)	291(74)	341(81)
206(GEN)	1041(71)	2159(63)	186(95)	298(61)	344(76)
403(72,73)	1198(92)	2265(62)	187(95)	302(62)	345(GEN)
2199(63)	1213(73)	2275(22)	200(74)	303(61)	346(97)
2330(62)	1266(73)	2004 series	211(94,97)	307(61)	348(63)
2339(63)	1330(62)	23(62)	212(94,97)	308(61)	349(96)
2003 series	1395(62)	65(63)	217(19,97)	309(63)	351(71)
167(95)	1485(22)	73(61)	223(63)	310(63)	352(63)
207(62)	1652(63)	74(83)	226(81)	311(63)	353(63)
445(96)	1653(63)	75(62,63)	238(62)	312(63)	354(63)
495(62)	1655(29)	84(62)	243(61)	314(63)	355(63)
496(62)	1699(63)	86(95)	246(76)	316(61)	356(94,95)
506(62)	1700(62)	95(71)	247(75)	317(95,96)	357(94,95)
515(73)	1734(74)	121(63)	249(81,83)	320(97)	358(94,95)
638(62)	1736(63)	123(95,96)	257(61)	323(62)	359(61)
760(63)	1785(96)	158(29)	265(63)	327(63)	360(97)
761(63)	1892(73)	180(61)	266(75)	329(71)	
801(72)	1893(73)	181(94,95)	267(63)	331(GEN)	

The summary of all HYDROPACS in force as of 11 December 2003 is given in Section III of NM 52/03.

HYDROPAC WARNINGS issued from 191300Z to 261200Z February 2004.

318/04 and 319/04. CANCELED.

320/04(97). NORTH PACIFIC.

MAN OVERBOARD FROM M/V SEA RICHES VICINITY
27-25.9N 158-31.9E AT 192256Z FEB.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JAPAN COAST GUARD.

(200610Z FEB 2004)

321/04 and 322/04. CANCELED.

323/04(62). GULF OF SUEZ.

1. PIPELINE OPERATIONS IN PROGRESS UNTIL 26 MAR
BY BARGES VICINITY OF TRACKLINE BETWEEN
28-12.9N 033-20.3E AND 28-09.5N 033-17.9E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 27 MAR.

(201120Z FEB 2004)

324/04 thru 326/04. CANCELED.

327/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 24 AND 27 FEB
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 271630Z FEB.

(211040Z FEB 2004)

328/04. CANCELED.

329/04(71). SOUTH CHINA SEA.

CABLE REPAIR OPERATIONS IN PROGRESS UNTIL
FURTHER NOTICE BY CABLESHIP CABLE RETRIEVER
VICINITY OF TRACKLINE BETWEEN
05-07.8N 107-29.5E AND 05-35.9N 108-15.7E.

(220609Z FEB 2004)

330/04. CANCELED.

331/04(GEN). GPS SATELLITE SYSTEM.
PRN 02 UNUSABLE.

(221730Z FEB 2004)

SECTION III

332/04 thru 336/04. CANCELED.

337/04(74). AUSTRALIA-NORTHWEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY
M/V WESTERN TRIDENT TOWING TEN 2.5 MILE LONG CABLES
IN AREA BETWEEN 19-10S 20-30S AND 112-30E 113-40E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 297/04.

(230920Z FEB 2004)

338/04(62.63). ARABIAN SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0800Z TO 2100Z DAILY
25 AND 26 FEB IN AREA BOUND BY
23-28N 061-20E, 23-28N 066-40E,
21-35N 066-40E, 22-34N 063-16E.
2. CANCEL THIS MSG 262200Z FEB.

(231040Z FEB 2004)

339/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY 24 FEB THRU 31 MAR BY
M/V RAMFORM CHALLENGER TOWING EIGHT
6000 METER LONG CABLES IN AREA BOUND BY
19-40N 070-52E, 19-50N 070-48E,
19-57N 071-07E, 19-47N 071-11E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 262/04.
3. CANCEL THIS MSG 01 APR.

(231050Z FEB 2004)

340/04. CANCELED.

341/04(81). NORTH PACIFIC. FEDERATED STATES OF MICRONESIA.

VESSEL, TWO PERSONS ON BOARD, OVERDUE WENO, TRUK ISLANDS TO
NAMA ISLAND. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO U.S. COAST GUARD GUAM.

(231210Z FEB 2004)

342/04 and 343/04. CANCELED.

344/04(76). NEW ZEALAND-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V POLAR DUKE TOWING 3.7 MILE LONG CABLE
IN AREA BOUND BY 47-08S 168-50E,
47-08S 170-00E, 48-16S 170-30E,
48-17S 169-00E, 47-50S 167-55E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 227/04(74,75).

(240310Z FEB 2004)

345/04(GEN).

1. HYDROPAC MESSAGES IN FORCE 241200Z FEB 2004. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 65(63), 73(61), 74(83), 75(62,63), 84(62), 86(95),
95(71), 121(63), 123(95,96), 158(29), 180(61), 181(94,95),
182(95), 183(95), 184(71), 185(95), 186(95), 187(95), 200(74),
211(94,97), 212(94,97), 217(19,97), 223(63), 226(81), 238(62),
243(61), 246(76), 247(75), 249(81,83), 257(61), 265(63),
266(75), 267(63), 270(61), 277(63), 278(63), 291(74), 298(61),
302(62), 303(61), 304(29), 307(61), 308(61), 309(63), 310(63),
311(63), 312(63), 314(63), 316(61), 317(95,96), 320(97),
323(62), 327(63), 329(71), 331(GEN), 337(74), 338(62,63),
339(63), 340(95,96), 341(81), 342(63), 343(63), 344(76).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE
AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROPAC 20/04, 28/04, 37/04, 41/04, 279/04.

(241150Z FEB 2004)

346/04(97). NORTH PACIFIC.

1. CABLE LAYING OPERATIONS 26 FEB THRU 06 MAR,
ALTERNATE 07 THRU 09 MAR BY
M/V KDD PACIFIC LINK IN AREA BOUND BY
28-20.0N 134-40.0E, 28-06.5N 135-06.5E,
27-40.0N 134-40.0E, 27-53.5N 134-13.5E.
2. CANCEL THIS MSG 10 MAR.

(241310Z FEB 2004)

347/04. CANCELED.

SECTION III

NM 11/04

348/04(63). ARABIAN SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0300Z TO 1100Z DAILY
29 FEB THRU 03 MAR IN AREA BOUND BY
23-55N 067-04E, 22-05N 066-50E,
22-05N 064-00E, 24-43N 063-45E,
24-42N 065-42E.
2. CANCEL THIS MSG 031200Z MAR.

(241800Z FEB 2004)

349/04(96). SEA OF JAPAN.

1. DERELICT VESSEL CAPSIZED AND ADRIFT
IN 42-23N 134-54E ON 23 FEB.
2. CANCEL THIS MSG 02 MAR.

(242215Z FEB 2004)

350/04. CANCELED.

351/04(71). STRAIT OF MALACCA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1601Z DAILY
01 THRU 06, 08 THRU 13, 15 THRU 20,
22 THRU 27 AND 29 THRU 31 MAR IN
AREA BOUND BY 04-14N 100-17E,
04-33N 099-48E, 04-53N 100-06E.
2. CANCEL HYDROGRAPHIC 340/04(95,96).
3. CANCEL THIS MSG 311701Z MAR.

(250820Z FEB 2004)

352/04(63). INDIA-WEST COAST.

CHART 63062 (7TH ED).

DANGEROUS WRECK VICINITY 22-46N 068-44E.

(250920Z FEB 2004)

353/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 270330Z TO 270730Z FEB
WITHIN 13 MILES OF 21-39.2N 069-33.9E.
2. CANCEL THIS MSG 270830Z FEB.

(251040Z FEB 2004)

354/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 280330Z TO 280630Z FEB
IN AREA BOUND BY 16-02N 071-15E,
16-15N 071-05E, 16-52N 071-35E.
2. CANCEL THIS MSG 280730Z FEB.

(251110Z FEB 2004)

355/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY
28 FEB THRU 02 MAR IN AREA BOUND BY
18-21N 070-56E, 15-48N 073-12E,
13-06N 071-55E, 14-31N 069-50E,
16-30N 069-50E.
2. CANCEL THIS MSG 021330Z MAR.

(251120Z FEB 2004)

356/04(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY
02 THRU 06, 08 THRU 13, 15 THRU 20,
22 THRU 27 AND 29 THRU 31 MAR
IN AREA BETWEEN
34-50N 35-15N AND 124-50E 125-42E.
2. CANCEL THIS MSG 311400Z MAR.

(260940Z FEB 2004)

357/04(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY
02 THRU 06, 08 THRU 13, 15 THRU 20,
22 THRU 27 AND 29 THRU 31 MAR
IN AREA BETWEEN
36-05N 36-35N AND 124-50E 125-42E.
2. CANCEL THIS MSG 311400Z MAR.

(260945Z FEB 2004)

358/04(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY
02 THRU 06, 08 THRU 13, 15 THRU 20,
22 THRU 27 AND 29 THRU 31 MAR
IN AREA BOUND BY
36-35.0N 125-36.0E, 36-35.0N 124-50.0E,
37-06.0N 124-50.0E, 37-10.2N 125-36.0E.
2. CANCEL THIS MSG 311400Z MAR.

(260950Z FEB 2004)

SECTION III

359/04(61). INDIAN OCEAN. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 010001Z
TO 312359Z MAR IN AREA BETWEEN
09-00S 13-00S AND 070-00E 073-00E.
2. CANCEL THIS MSG 010059Z APR.

(261040Z FEB 2004)

360/04(97). NORTH PACIFIC.

1. DERELICT VESSEL, WHITE AND RED HULL,
CAPSIZED AND ADRIFT VICINITY
34-15.2N 145-43.0E AT 260716Z FEB.
2. CANCEL THIS MSG 04 MAR.

(261150Z FEB 2004)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 26 February 2004: 00-7, 01-7, 02-2, 02-5, 02-7 and 03-4.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003.

SPECIAL WARNINGS in force 26 February 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION

NEW EDITION OF SUMMARY OF CORRECTIONS

Summary of Corrections for the East Coast of North and South America (Subregions 11 thru 15 and 23 thru 28), Volume 1, 2003 Edition, is ready for issue. This publication has been corrected to 16 August 2003, including Notice to Mariners No. 33 of 2003.

This edition is produced by NGA in digital format only, available on CD-ROM and includes the digital chart correction graphics in their full original color.

Customers requiring paper versions of NGA products may purchase them through the U.S. Government Printing Office (GPO) Superintendent of Documents. The NGA point of contact for this effort is Mr. Adam Veracka (301)227-3173.

RADIOTELEPHONE SERVICE ON FREQUENCY 2182.0 KHZ

The U.S. Coast Guard international distress and calling radiotelephone service on the frequency 2182.0 kHz may be operating at reduced power and sensitivity due to shoreside radio infrastructure problems. Action is underway to correct these problems.

The U.S. Coast Guard is operating a medium frequency Digital Selective Calling distress and safety service on a trial operational basis only. A Global Maritime Distress and Safety System (GMDSS) Sea Area A2 will not be declared in U.S. waters until shoreside radio infrastructure problems can be corrected.

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA recognizes two paper nautical chart products:

- the Charts-on-Demand Chart distributed by OceanGrafix (www.OceanGrafix.com), and
- the Traditional NOAA/NOS paper Chart distributed by the Federal Aviation Administration and the National Geospatial-Intelligence Agency (NGA).

The Charts-on-Demand Chart is available the day after NOAA clears a New Edition for release. The Traditional Chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. For questions contact NOAA at help@nauticalcharts.gov or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new editions released by NOAA are listed below.

11390	23 rd Ed. Feb 2004 NEW EDITION 11XHA11390 FL-IWW-EAST BAY TO WEST BAY (New edition due to various general changes.)	WGS 84	(NOS Silver Spring, MD) 1: 40,000
11412	42 nd Ed. Feb 2004 NEW EDITION 11AHA11412 FL-TAMPA BAY AND ST JOSEPH SOUND (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
11489	35 th Ed. Feb 2004 NEW EDITION 11XHA11489 GA-FL-IWW-ST SIMONS SOUND TO TOLOMATO RIVER 1:40,000 (New edition due to numerous Notice to Mariner corrections and hydrographic changes.)	NAD 83	(NOS Silver Spring, MD)
11524	47 th Ed. Feb 2004 NEW EDITION 11AHA11524 SC-CHARLESTON HARBOR (New edition due to numerous Notice to Mariner changes and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:20,000
11537	35 th Ed. Feb 2004 NEW EDITION 11AHA11537 NC-CAPE FEAR RIVER- CAPE FEAR TO WILMINGTTON 1: 40,000 (New edition due to various general changes.)	NAD 83	(NOS Silver Spring, MD)
14785	17 th Ed. Feb 2004 NEW EDITION 14XHA14785 VT-LAKE CHAMPLAIN-BURLINGTON HARBOR (New edition due to numerous Notice to Mariner changes and a change in format.)	NAD 83	(NOS Silver Spring, MD) 1:10,000
14833	26th Ed. Feb 2004 NEW EDITION 14XHA14833	NAD 83	(NOS Silver Spring, MD)

SECTION III

	OH-LAKE ERIE- BUFFALO HARBOR (New edition due various general changes.)		1:15,000
14843	32 nd Ed. Jan 2004 NEW EDITION 14XHA14843 OH-LAKE ERIE- HURON HARBOR (New edition due to numerous Notice to Mariner changes and a change in format.)	NAD 83	(NOS Silver Spring, MD) 1:5,000
14844	32 nd Ed. Jan 2004 NEW EDITION 14XHA14844 OH-LAKE ERIE- ISLANDS IN LAKE ERIE INSET: Put in Bay (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:40,000 1:10,000
18465	36 th Ed. Jan 2004 NEW EDITION 18ACO18465 WA-STRAIT OF JUAN DE FUCA-EASTERN PART (New edition due to change in hydrography.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
18546	10 th Ed. Feb 2004 NEW EDITION 18AHA18546 WA-SNAKE RIVER-LAKE HERBERT G WEST (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:20,000
19013	17 th Ed. Feb 2004 NEW EDITION 19ACO19013 HI-HAWAI'IAN ISLANDS – NORTHERN PART (New edition due to numerous Notice to Mariners and various general changes.)	WGS 84	(NOS Silver Spring, MD) 1:675,000

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

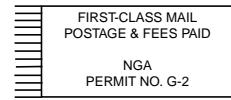
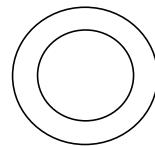
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary) _____

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

Date of Insertion _____ Date of Removal _____

If observed, Date _____ Time (Local) _____

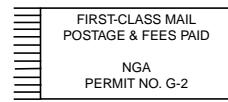
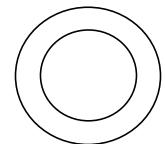
Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Sounding sensor or method used _____

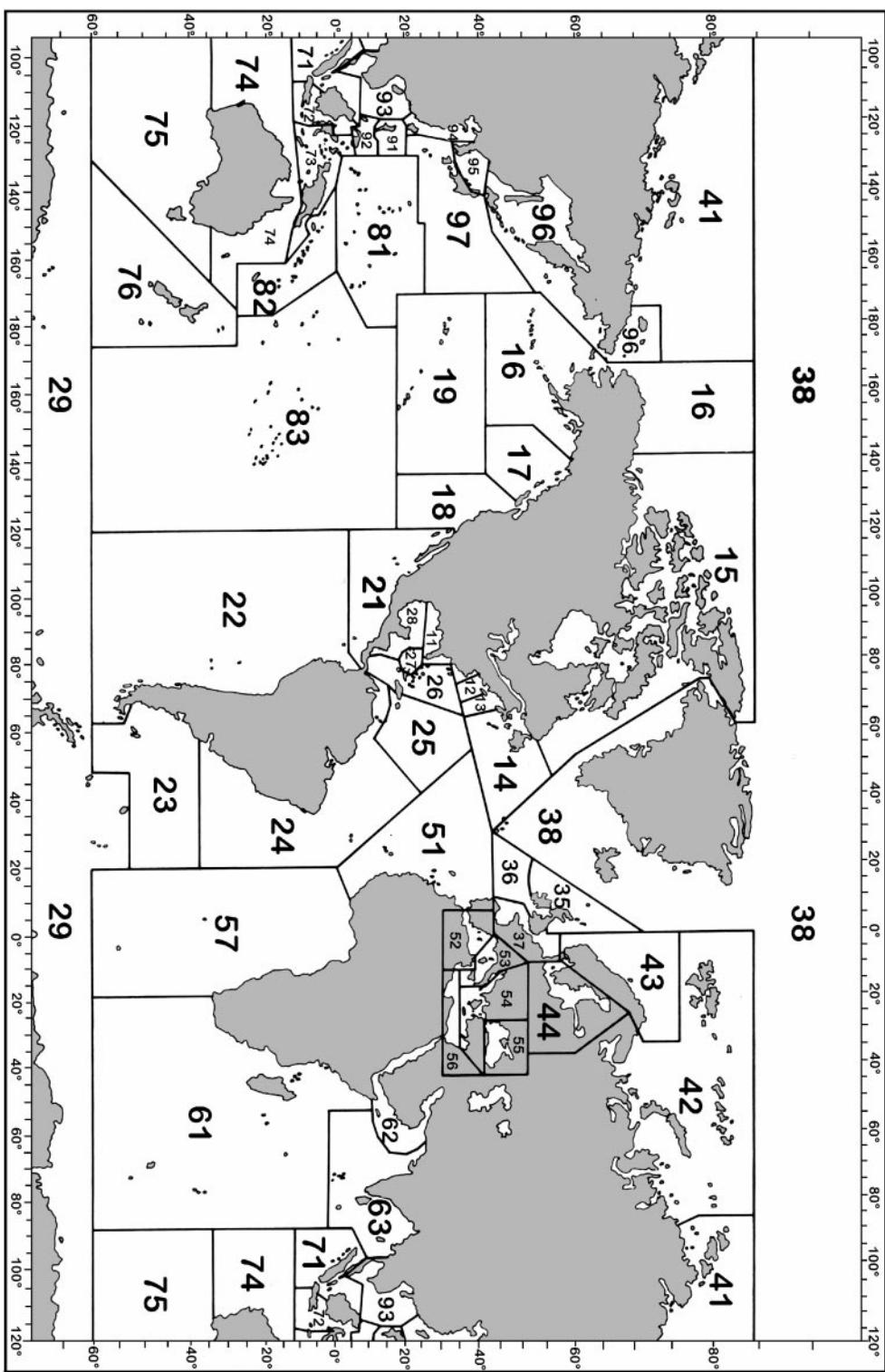
Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary): _____



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**

GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

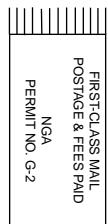
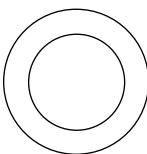
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT
NAVIGATIONAL INFORMATION
TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY