



No. 6

7 FEBRUARY 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/>



NSN 7642015139781
NGA REF.NO. NMXXX0406

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. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<u>Observer</u>	<u>Ship/Organization</u>
Third Mate J. Rettke	M/V EWA

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 6/04

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

7 February 2004

NEW EDITION OF SAILING DIRECTIONS

PUB. 132, SAILING DIRECTIONS (ENROUTE) EASTERN MEDITERRANEAN, TENTH EDITION, 2003, IS READY FOR ISSUE. THIS EDITION IS PRODUCED BY NGA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND 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 6/04

310	20Ed. 12/29/79 LAST NM 52/03 Delete R Bn at light (41(6631)03 St. Petersburg)	6/04 45°16'N 30°12'E	Light "112" Buoy "112A" Buoy "114" (See 22/03-11326)	29°43'48.5"N 95°01'36.8"W 29°43'50.9"N 95°01'44.8"W 29°43'54.9"N 95°02'33.6"W
400	(INT 400) 3Ed. 12/25/93 LAST NM 34/03 Delete Designation "42001" from superbuoy (ODAS)	6/04 25°55'N 89°38'W	Relocate Light "107" from 29°42'43.0"N to 29°42'52.4"N Light "108" from 29°42'43.2"N to 29°42'52.4"N Light "109" from 29°42'59.6"N to 29°43'12.5"N (See 30/03-11326)	95°01'19.5"W 95°01'19.4"W 95°01'10.0"W 95°01'18.9"W 95°01'19.4"W
	Add Superbuoy (ODAS) "42001" Y, Fl(4) Y 20s (NTM0001/2004)	25°51'N 89°40'W	Change Designation of buoy "110" to "110A"	29°43'46.0"N 95°01'29.3"W
401	(INT 401) 5Ed. 6/15/91 LAST NM 44/03 Delete Designation "42001" from superbuoy (ODAS)	6/04 25°54'N 89°41'W	Add Light "94" Fl R 4s 17ft Light "96" Fl R 6s 17ft Light "110" Fl R 4s 17ft Buoy "112" R, Fl R 4s Light "112A" Fl R 2.5s 17ft Light "114" Fl R 4s 17ft Light "114A" Fl R 6s 17ft Light "114B" Fl R 4s 17ft (50, 51/03 CG8)	29°41'22.9"N 94°59'05.6"W 29°41'38.8"N 94°59'25.5"W 29°43'12.4"N 95°01'09.0"W 29°43'49.2"N 95°01'36.2"W 29°43'53.4"N 95°01'55.7"W 29°43'55.7"N 95°02'15.7"W 29°43'55.6"N 95°02'27.4"W 29°43'56.7"N 95°02'37.7"W
411	49Ed. 3/03 LAST NM 5/04 Delete Designation "42001" from superbuoy (ODAS)	6/04 25°54'N 89°41'W	★11328 23Ed. 8/03 LAST NM 4/04 Delete Buoy "94" Light "112" Buoy "112A"	29°41'23.9"N 94°59'07.8"W 29°43'48.4"N 95°01'37.0"W 29°43'50.9"N 95°01'44.4"W
	Add Superbuoy (ODAS) "42001" Y, Fl(4) Y 20s (NTM0001/2004)	25°51'N 89°40'W	Relocate Light "107" from 29°42'42.9"N to 29°42'52.4"N Light "108" from 29°42'42.9"N to 29°42'52.4"N Light "109" from 29°42'59.6"N to 29°43'12.5"N (See 30/03-11326)	95°01'19.4"W 95°01'19.4"W 95°01'10.0"W 95°01'18.9"W 95°01'19.4"W
501	(INT 801) 12Ed. 11/02 LAST NM 4/04 Add Wreck [K29] (48/03 CG13)	6/04 48°14'N 125°53'W	Change Designation of buoy "110" to "110A"	29°43'45.6"N 95°01'29.0"W
531	21Ed. 2/2/02 LAST NM 41/03 Add Wreck [K29] (48/03 CG13)	6/04 48°14'N 125°53'W	Add Light "94" Fl R 4s 17ft 4M Ra Ref Light "96" Fl R 6s 17ft 4M Ra Ref Light "110" Fl R 4s 17ft 4M Ra Ref Light "112A" Fl R 2.5s 17ft 4M Ra Ref Buoy "112" R, Fl R 4s	29°41'22.9"N 94°59'05.6"W 29°41'38.8"N 94°59'25.5"W 29°43'12.4"N 95°01'09.0"W 29°43'53.4"N 95°01'55.7"W 29°43'49.2"N 95°01'36.2"W
1116A	Ed. 6/03 LAST NM 5/04 Delete Platform Platform Platform Note: Platform close S remains	6/04 28°33.5'N 91°55.0'W 28°38.1'N 91°30.2'W 28°39.1'N 91°30.0'W	★11329 35Ed. 9/03 LAST NM 2/04 Delete Light "112" Buoy "112A" Buoy "114"	29°43'48.4"N 95°01'36.9"W 29°43'50.9"N 95°01'44.6"W 29°43'54.9"N 95°02'33.6"W
	Add Platform [L10] Dangerous wreck [K28] (PA) (49, 50/03 CG8)	29°09.2'N 92°34.0'W 29°38.1'N 93°49.1'W	Relocate Light "107" from 29°42'43.0"N to 29°42'52.4"N Light "108" from 29°42'43.0"N to 29°42'52.4"N Light "109" from 29°42'59.5"N to 29°43'12.5"N (See 30/03-11326)	95°01'19.3"W 95°01'19.4"W 95°01'10.0"W 95°01'18.9"W 95°01'19.4"W
1117A	Ed. 4/03 LAST NM 5/04 Relocate Superbuoy (ODAS) "42020" from 26°57.2'N 96°42.0'W to (50/03 CG8)	6/04 26°56.6'N 96°41.8'W	Change Designation of buoy "110" to "110A"	29°43'45.6"N 95°01'29.1"W
★11004	7Ed. 10/29/94 LAST NM 5/04 Delete Designation "42001" from superbuoy (ODAS)	6/04 25°53.7'N 89°40.7'W	Add Light "110" Fl R 4s 17ft 4M Ra Ref Buoy "112" R, Fl R 4s	29°43'12.4"N 95°01'09.0"W 29°43'49.2"N 95°01'36.2"W
	Add Superbuoy (ODAS) "42001" Y, Fl(4) Y 20s (NTM0001/2004)	25°50.5'N 89°39.5'W	Light "112A" Fl R 2.5s 17ft 4M Ra Ref Light "114" Fl R 4s 17ft 4M Ra Ref	29°43'53.4"N 95°01'55.7"W 29°43'49.2"N 95°01'36.2"W
11006	31Ed. 9/03 LAST NM 5/04 Delete Designation "42001" from superbuoy (ODAS)	6/04 25°53.7'N 89°40.7'W	Light "112A" Fl R 2.5s 17ft 4M Ra Ref Light "114" Fl R 4s 17ft 4M Ra Ref	29°43'49.2"N 95°01'36.2"W 29°43'49.2"N 95°01'36.2"W
	Add Superbuoy (ODAS) "42001" Y, Fl(4) Y 20s (NTM0001/2004)	25°50.5'N 89°39.5'W	Light "114A" Fl R 6s 17ft 4M Ra Ref Light "114B" Fl R 4s 17ft 4M Ra Ref	29°43'55.6"N 95°02'27.4"W 29°43'56.7"N 95°02'37.7"W
★11300	39Ed. 4/03 LAST NM 5/04 Relocate Superbuoy (ODAS) "42020" from 26°57.2'N 96°42.0'W to (50/03 CG8)	6/04 26°56.6'N 96°41.8'W	(50, 51/03 CG8)	
★11323	60Ed. 9/03 LAST NM 5/04 Add Platform [L10] (48/03 CG8)	6/04 29°09'34"N 94°15'25"W	11330 15Ed. 10/03 LAST NM 5/04 Add Dangerous wreck [K28] (PA)	29°38.1'N 93°49.1'W
11326	31Ed. 10/02 LAST NM 4/04 (Page A, Inset 1) Delete Buoy "94"	6/04 29°41'23.9"N 94°59'07.8'W	(50/03 CG8)	

★11332	28Ed. 8/02 LAST NM 5/04 Relocate Buoy "9" from 29°29'00"N 93°40'12"W to 29°29'01"N 93°40'15"W	6/04	(See 30/03-11361)
Add	Platform [L10] Platform [L10] Dangerous wreck [K28] (PA) (48-50/03 CG8)	29°16'04"N 93°46'38"W 29°14'34"N 93°48'31"W 29°38'07"N 93°49'07"W	(Inset Southwest Pass) Add Light Iso R 6s 45ft (48, 50/03 CG8) 28°54'49.5"N 89°25'53.5"W
★11340	68Ed. 6/03 LAST NM 5/04 Delete Platform Platform Platform Note: Platform close S remains	6/04 28°33.5'N 91°55.0'W 28°38.1'N 91°30.2'W 28°39.1'N 91°30.0'W	★11363 39Ed. 9/03 LAST NM 5/04 Relocate Light "5" from 30°03'37"N 89°07'37"W to 30°03'44"N 89°07'28"W and delete legend "PA"
Add	Platform [L10] Dangerous wreck [K28] (PA) (49, 50/03 CG8)	29°09.2'N 92°34.0'W 29°38.1'N 93°49.1'W	Add Tabulation of controlling depths from Subsection I-2 (NOS; 50/03 CG8)
11341	39Ed. 2/03 LAST NM 5/04 Relocate Buoy "9" from 29°29'00"N 93°40'13"W to 29°29'01"N 93°40'15"W	6/04	11364 39Ed. 11/02 LAST NM 4/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)
Add	Platform [L10] Dangerous wreck [K28] (PA) (49, 50/03 CG8)	29°16'04"N 93°46'38"W 29°38'07"N 93°49'07"W	11365 17Ed. 10/02 LAST NM 3/04 (Side A) Delete Buoy "5" Buoy "6" 29°14'51.8"N 89°55'17.0"W 29°15'01.0"N 89°55'13.2"W
★11342	52Ed. 5/03 LAST NM 1/04 Add Dangerous wreck [K28] (PA) (50/03 CG8)	6/04 29°38'07.0"N 93°49'07.0"W	Relocate Buoy "3" from 29°14'40.2"N 89°55'02.2"W to 29°14'49.8"N 89°55'13.0"W Buoy "4" from 29°14'47.1"N 89°54'54.3"W to 29°14'56.0"N 89°55'05.9"W
★11349	40Ed. 7/02 LAST NM 52/03 Delete Platform (49/03 CG8)	6/04 29°17'49"N 92°19'19"W	Change Designation of buoy "7" to "5" 29°15'08.3"N 89°55'35.5"W Designation of buoy "9" to "7" 29°15'22.5"N 89°55'53.3"W Designation of buoy "10" to "8" 29°15'30.1"N 89°55'50.0"W
11352	36Ed. 11/02 LAST NM 3/04 Delete Buoy "5"	6/04 29°14.9'N 89°55.3'W	Add Buoy "9" G, can Buoy "10" R, nun 29°15'47.3"N 89°56'20.7"W 29°15'53.4"N 89°56'13.8"W (49/03 CG8)
★11353	2Ed. 3/16/02 LAST NM 5/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)	6/04	11369 44Ed. 12/02 LAST NM 1/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)
★11356	35Ed. 7/03 LAST NM 4/04 Delete Platform Platform (50/03 CG8)	6/04 28°51'30"N 91°06'47"W 28°38'59"N 91°29'57"W	11371 36Ed. 6/03 LAST NM 4/04 Relocate Light "5" from 30°03'36"N 89°07'37"W to 30°03'44"N 89°07'28"W and delete legend "PA" (50/03 CG8)
★11358	52Ed. 6/03 LAST NM 5/04 Delete Buoy "5" Buoy "6" 29°14'51"N 89°55'17"W 29°15'00"N 89°55'12"W	6/04	★11537 34Ed. 4/03 LAST NM 2/04 Delete Range light, front Range light, rear 34°10'01"N 77°57'32"W 34°09'44"N 77°57'33"W Range light, rear 34°08'44"N 77°56'52"W Range light, front 34°07'23"N 77°55'59"W Range light, rear 34°06'55"N 77°55'42"W Range light, front 34°07'53"N 77°56'05"W Note: All range lines remain
Relocate	Buoy "3" from 29°14'41"N 89°55'01"W to 29°14'50"N 89°55'13"W Buoy "4" from 29°14'48"N 89°54'53"W to 29°14'56"N 89°55'06"W		Change Range light, front to Fl G 2.5s 16ft (Day), Fl G 2.5s 19ft (Night) 34°08'21"N 77°56'37"W Range light, rear to Iso 6s 35ft (Day), Iso 6s 38ft (Night) 34°08'06"N 77°56'04"W
Change	Designation of buoy "7" to "5" Designation of buoy "9" to "7" Designation of buoy "10" to "8" 29°15'08"89°55'35"89°55'54"89°55'48"89°55'48"		Add Range light, front Q 13ft (Day), Q 16ft (Night) 34°09'57"N 77°57'33"W Range light, rear Iso 6s 36ft (Day), Iso 6s 39ft (Night) 34°09'51"N 77°57'34"W Range light, rear Oc G 4s 30ft (Day), Oc G 4s 33ft (Night) 34°08'25"N 77°56'40"W Range light, front Q 29ft (Day), Q 32ft (Night) 34°07'26"N 77°56'02"W Range light, rear Iso 6s 34ft (Day), Iso 6s 37ft (Night) 34°07'19"N 77°55'57"W Range light, front Q 19ft (Day), Q 22ft (Night) 34°07'47"N 77°56'05"W (47/03 CG5)
★11361	70Ed. 4/03 LAST NM 4/04 Delete Platform Platform Platform Platform Platform	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	★12200 47Ed. 8/02 LAST NM 18/03 Relocate Superbuoy ODAS "44014" from 36°34.5'N 74°50.2'W to 36°36.7'N 74°50.2'W (47/03 CG5)
Add	Light Iso R 6s 45ft Danger circle "Obstn" [K40] (PA)	28°54'50"N 89°25'54"W 29°12'11"N 89°17'02"W	

SECTION I

NM 6/04

12201	25Ed.	7/17/99	LAST NM N2/04 Relocate Superbuoy ODAS "44014" from 36°34.5'N 74°50.2'W to (47/03 CG5)	N6/04 36°36.7'N 74°50.2'W	Change (NOS)	Note to "OLD HARBOR" The controlling depths were 13 feet for a width of 170-100 feet in the entrance channel, 12 feet in the Inner Harbor, and 12½ feet in the basin. Jun 2000-Sep 2002" 41°09'33"N 71°34'34"W
★12222	45Ed.	11/03	NEW EDITION Change Legend to "17 FT FOR WIDTH OF 200-300 FT JUN 2003" (Previously published 2/04)	6/04 36°51'31"N 76°20'15"W		
	Add		Depth 18 feet Obstn [K41] Depth 18 feet Obstn [K41] Depth 21 feet Obstn [K41] (Previously published 2/04)	36°58'40"N 76°11'10"W 36°59'19"N 76°12'14"W 36°58'49"N 76°11'46"W	Change (NOS)	Note to "OLD HARBOR" The controlling depths were 13 feet for a width of 170-100 feet in the entrance channel, 12 feet in the Inner Harbor, and 12½ feet in the basin. Jun 2000-Sep 2002" 41°10'15"N 71°33'42"W
★12238	38Ed.	11/03	NEW EDITION Change Light to "2" Fl R 2.5s 18ft 3M (Previously published 2/04)	6/04 37°12'21"N 76°22'56"W		
12300	43Ed.	3/03	LAST NM 49/03 Add Depth 9 fathoms Obstn [K41] (NOS)	6/04 39°30.0'N 74°09.5'W		
12301	21Ed.	9/15/01	LAST NM N49/03 Add Depth 9 fathoms Obstn [K41] (NOS)	N6/04 39°30.0'N 74°09.5'W		
★12318	41Ed.	12/02	LAST NM 44/03 Add Depth 54 feet Obstn [K41] (NOS)	6/04 39°29'57"N 74°09'29"W		
12323	23Ed.	3/11/00	LAST NM 4/03 Add Depth 54 feet Obstn [K41] (NOS)	6/04 39°29'57"N 74°09'29"W		
13003	47Ed.	6/03	LAST NM 52/03 Relocate Superbuoy ODAS "44011" from 41°03.8'N 66°34.9'W to Superbuoy ODAS "44014" from 36°34.8'N 74°50.2'W to (47/03 CG5; NTM0001/2004)	6/04 41°06.5'N 66°37.4'W 36°36.7'N 74°50.2'W		
13006	31Ed.	6/03	LAST NM 48/03 Relocate Superbuoy ODAS "44011" from 41°03.8'N 66°34.9'W to (NTM0001/2004)	6/04 41°06.5'N 66°37.4'W		
13009	30Ed.	8/02	LAST NM 48/03 Relocate Superbuoy ODAS "44011" from 41°03.9'N 66°34.9'W to (NTM0001/2004)	6/04 41°06.5'N 66°37.4'W		
13200	33Ed.	1/19/02	LAST NM 48/03 Relocate Superbuoy ODAS "44011" from 41°03.8'N 66°34.9'W to (NTM0001/2004)	6/04 41°06.5'N 66°37.4'W		
13201	10Ed.	8/10/96	LAST NM N48/03 Relocate Superbuoy ODAS "44011" from 41°03.8'N 66°34.9'W to (NTM0001/2004)	N6/04 41°06.5'N 66°37.4'W		
★13204	12Ed.	8/14/99	LAST NM 44/03 Relocate Superbuoy ODAS "44011" from 41°03.8'N 66°34.9'W to (NTM0001/2004)	6/04 41°06.5'N 66°37.4'W		
13215	17Ed.	10/23/99	LAST NM 5/03 Delete Depth 8 feet	6/04 41°10'27"N 71°33'21"W		
★13217	14Ed.	3/23/96	LAST NM 14/02 Delete Depth 8 feet	6/04 41°10'25.5"N 71°33'19.0"W		
13274	25Ed.	9/03	LAST NM 43/03 (Side A) Relocate Buoy "2SR" from 43°06'27"N 70°38'00"W to 43°06'25"N 70°37'58"W (48/03 CG1)	6/04		
★13283	18Ed.	11/4/00	LAST NM 4/04 Relocate Buoy "2SR" from 43°06'25.8"N 70°38'00.0"W to 43°06'24.9"N 70°37'57.6"W (48/03 CG1)	6/04		
14003	6Ed.	4/27/96	LAST NM 48/03 Relocate Superbuoy ODAS "44011" from 41°03.8'N 66°34.9'W to Superbuoy ODAS "44014" from 36°34.4'N 74°50.2'W to (47/03 CG5; NTM0001/2004)	6/04 41°06.5'N 66°37.4'W 36°36.7'N 74°50.2'W		
14146	2Ed.	2/4/95	LAST NM 49/03 Change Light to Fl(3) 20s 42ft 9M (10/4404)03 Ottawa	6/04 45°45'54"N 62°40'48"W		
14167	Ed.	7/12/85	LAST NM N32/01 Change Light to Fl(3) 20s 42ft 9M (10/4404)03 Ottawa	N6/04 45°45'54"N 62°40'54"W		
14178	Ed.	9/1/97	LAST NM N5/04 Delete Depth 7 fathoms 1 foot	N6/04 48°48'34.3"N 64°15'58.4"W		
	Substitute		Depth 3 fathoms 1 foot for 5 fathoms 5 feet 48°48'13.1"N 64°15'17.3"W			
	Add		Depth 3 fathoms 3 feet for 13 fathoms 48°46'54.9"N 64°12'59.2"W			
			Depth 4 fathoms 3 feet 48°48'48.6"N 64°16'30.3"W			
			Depth 5 fathoms 4 feet 48°48'32.3"N 64°15'55.7"W			
			Depth 2 fathoms 3 feet 48°48'08.5"N 64°15'09.6"W			
			Depth 3 fathoms 2 feet 48°48'04.6"N 64°14'58.3"W (10/4485)03 Ottawa)			
14189	2Ed.	1/21/95	LAST NM 4/04 Relocate Buoy "MH3" from 47°10'30.0"N 65°01'23.4"W to 47°10'27.1"N 65°01'22.7"W	6/04		
	Change		Buoy to "MK" YBY, spar, double cone topmark points together, Q(9) 15s 47°11'38.2"N 65°04'20.0"W (10/4911)03 Ottawa)			
14218	Ed.	11/9/01	LAST NM N39/03 Change Light to Fl G 6s 6m 6M	N6/04 47°12'54.0"N 70°16'30.0"W		
	Change		(Plan Saint-Jean-Port-Joli) Light to Fl G 6s 6m 6M	47°12'57.0"N 70°16'28.5"W		
	Delete		(Plan L'Isle-aux-Coudres) Depth 5.1 meters	47°25'14.7"N 70°23'30.6"W		
	Change		Legend to "5.3m (2003)" Legend to "4.4m (2003)" (10/1233)03 Ottawa)	47°25'16.2"N 70°23'31.5"W 47°25'13.9"N 70°23'33.7"W		

14219	Ed. 5/25/01 LAST NM N40/03 (Plan Pointe de la Rivière du Loup)	N6/04	★16490	8Ed. 10/03 NEW EDITION (NOS)	6/04
Delete	Depth 4.1 meters	47°50'49.6"N 69°34'16.5"W			
	Depth 3.3 meters	47°50'50.1"N 69°34'13.1"W			
Change	Legend to "4.6m (2001)"	47°50'51.3"N 69°34'18.6"W	16528	16Ed. 6/13/98 LAST NM 33/03 Relocate Buoy "8" from 53°52'43.0"N to (51/03 CG17)	6/04
Add	Depth 3.5 meters	47°50'54.2"N 69°34'21.3"W		53°52'42.3"N 166°32'09.7"W	
	Depth 2.8 meters	47°50'53.9"N 69°34'17.4"W			
	Depth 2.8 meters	47°50'49.6"N 69°34'19.2"W	★16529	14Ed. 8/20/94 LAST NM 33/03 Relocate Buoy "8" from 53°52'41.8"N to (51/03 CG17)	6/04
	Depth 1.7 meters	47°50'49.6"N 69°34'18.2"W		53°52'42.3"N 166°32'09.7"W	
	Depth 1.5 meters	47°50'50.0"N 69°34'12.9"W			
(10(1234)03 Ottawa)					
14247	Ed. 12/14/84 LAST NM N5/04	N6/04	16530	6Ed. 4/27/96 LAST NM 33/03 Relocate Buoy "8" from 53°52'41.6"N to (51/03 CG17)	6/04
Add	Range light, [P20.1] front FG 53ft	48°25'45.8"N 71°02'36.6"W		53°52'42.3"N 166°32'09.7"W	
	Range light, rear FG 78ft	48°25'43.4"N 71°02'41.1"W			
	Range line extending in 052° direction from above rear light dashed for 600 meters, thence solid for 1500 meters		★16723	15Ed. 1/29/00 LAST NM 17/00 Relocate Light "S" from 60°13'37"N 144°57'59"W to (51/03 CG17)	6/04
	Legend "232° Monument Price"	48°26'20.4"N 71°01'31.4"W		60°13'38"N 144°58'19"W	
(10(1209)03 Ottawa)					
14325	13Ed. 4/22/95 LAST NM 11/98 (Plan C)	6/04	17003	4Ed. 2/10/96 LAST NM 36/03 Add Wreck [K29] (48/03 CG13)	6/04
Delete	BELL from buoy "XS"	48°29'44.0"N 58°32'52.4"W		48°14.0'N 125°52.9"W	
	BELL from buoy "XS"	48°29'44.0"N 58°32'52.4"W	17005	10Ed. 5/27/95 LAST NM 3/04 Add Wreck [K29] (48/03 CG13)	6/04
(10(4885)03 Ottawa)					
14349	7Ed. 2/10/96 LAST NM 5/04 Change Light to Oc G 6s 12ft 4M	6/04	17550	4Ed. 12/3/94 LAST NM 3/04 Add Wreck [K29] (48/03 CG13)	6/04
	(10(4842)03 Ottawa)	46°52'42"N 53°57'01"W		48°14.0'N 125°52.9"W	
14360	36Ed. 3/25/95 LAST NM 5/04 Delete Superbuoy ODAS "44251"	6/04	18003	19Ed. 3/03 LAST NM 3/04 Add Wreck [K29] (48/03 CG13)	6/04
	Buoy "JB"	46°26.4'N 52°23.3'W		48°14.0'N 125°52.9"W	
	BELL from buoy "JB2"	48°38.8'N 53°08.5'W	18007	31Ed. 3/31/01 LAST NM 5/04 Add Wreck [K29] (48/03 CG13)	6/04
	BELL from buoy "J9"	48°41.9'N 53°07.9'W		48°14.0'N 125°52.9"W	
		48°38.2'N 53°26.3'W	18008	7Ed. 10/12/96 LAST NM N5/04 Add Wreck [K29] (48/03 CG13)	N6/04
Change	Buoy to "JBR" YBY, pillar, double cone topmark points together, Q(9) 15s	48°42.1'N 53°03.6'W		48°14.0'N 125°52.9"W	
(10(4016, 4854)03 Ottawa)					
14380	19Ed. 9/16/95 LAST NM 49/03 Change Light to Fl 5s 242ft	6/04	18441	43Ed. 7/03 LAST NM 51/03 Relocate Beacon from 47°51'31"N 122°40'34"W to (49/03 CG13)	6/04
	(10(4520)03 Ottawa)	49°31.2'N 55°06.7"W		47°51'35"N 122°40'29"W	
14386	3Ed. 11/24/84 LAST NM 36/02 Change Light to Fl 5s 242ft	6/04	18445	29Ed. 2/24/01 LAST NM 1/04 (Page A) Relocate Beacon from 47°51'31"N 122°40'34"W to (49/03 CG13)	6/04
	(10(4520)03 Ottawa)	49°31.20'N 55°06.70"W		47°51'35"N 122°40'29"W	
★14990	4Ed. 10/03 NEW EDITION (NOS)	6/04			
15074	1Ed. 10/18/75 LAST NM 51/99 Delete Buoy "HGE"	6/04	Delete	(Page B, Inset 6) Stranded wreck (PA) Dangerous wreck (PA) Position circle "Dols"	6/04
		54°13'38"N 57°15'26"W		47°17'46"N 122°25'52"W 47°15'58"N 122°23'29"W 47°16'20"N 122°25'12"W	
Add	Buoy "HGE" YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s	54°13'25"N 57°15'49"W	Add	Stranded wreck [K24]	47°17'51.9"N 122°25'38.9"W
(10(5135)03 Ottawa)				Depth 7 fathoms 4 feet Wk [K26]	47°17'46.9"N 122°25'48.6"W
★16300	8Ed. 3/10/90 LAST NM 8/03 Delete Buoy "7"	6/04		Double dashed line with land tint (bridge) between	47°15'56.9"N 122°32'52.6"W 47°15'48.4"N 122°32'42.7"W
Relocate	Buoy "3" from 59°27.0'N 162°18.9'W to (51/03 CG17)	59°32.1'N 162°16.8'W		Purple tint (construction area) 334 yards wide on above double dashed line	47°15'53.0"N 122°32'48.3"W
★16382	10Ed. 8/19/00 LAST NM 17/02 Delete Bns and legend "2 W Bns Priv"	6/04		Legend "Bridge under construction"	47°15'28"N 122°32'35"W
	(51/01 CG17)	57°07'10"N 170°16'07"W			

(continued on next page)

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NM 6/04

18445	(Continued) (Page C)			
Delete	Stranded wreck (PA)	47°17'46"N 122°25'52"W 47°16'20"N 122°25'12"W		Buoy (FAD) "KH" from 19°20.9"N 154°52.3"W to (47/03 CG14) 19°21.0"N 154°53.0"W
Add	Depth 7 fathoms 4 feet Wk [K26]	47°17'46.9"N 122°25'48.6"W		19004 36Ed. 8/25/01 LAST NM 46/03 6/04 Relocate Buoy (FAD) "A" from 18°46.5"N 155°42.1'W to Buoy (FAD) "KH" from 19°20.9"N 154°52.7"W to (47/03 CG14) 18°57.4"N 155°33.4"W 19°21.0"N 154°53.0"W
	Double dashed line with land tint (bridge) between	47°16'22.2"N 122°33'24.6"W 47°15'48.4"N 122°32'42.7"W		19010 17Ed. 8/02 LAST NM 29/03 6/04 Relocate Buoy (FAD) "A" from 18°46.5"N 155°42.1'W to Buoy (FAD) "KH" from 19°20.9"N 154°52.8"W to (47/03 CG14) 18°57.4"N 155°33.4"W 19°21.0"N 154°53.0"W
	Purple tint (construction area) 334 yards wide on above double dashed line	47°16'06.9"N 122°33'05.4"W		
	Legend "Bridge under construction"	47°15'00"N 122°32'34"W		
(NOS; 49/03 CG13)				
18449	18Ed. 10/03 LAST NM 51/03	6/04		
Relocate	Light from 47°35'24.8"N 122°20'35.0"W to 47°35'22.9"N 122°20'34.5"W			
	(49/03 CG13)			
★18450	17Ed. 12/02 LAST NM 44/03	6/04		
Relocate	Light from 47°35'24.1"N 122°20'34.7"W to 47°35'22.9"N 122°20'34.5"W			
	(49/03 CG13)			
★18453	24Ed. 1/03 LAST NM 42/03	6/04		
Delete	Legend "Wks"	47°17'51.4"N 122°25'36.0"W		
	Stranded wreck (PA)	47°17'46.0"N 122°25'52.4"W		
	Dangerous wreck (PA)	47°15'57.5"N 122°23'29.5"W		
	Position circles (3) and legend "Subm dols" in vicinity	47°16'21.2"N 122°25'11.8"W		
Add	Stranded wreck [K24]	47°17'51.9"N 122°25'38.9"W		
	Depth 46 feet Wk [K26]	47°17'46.9"N 122°25'48.6"W		
(NOS)				
18473	7Ed. 12/02 LAST NM 51/03	6/04		
Relocate	Beacon from 47°51'30.0"N 122°40'33.6"W to 47°51'35.3"N 122°40'28.6"W			
	(49/03 CG13)			
18476	4Ed. 2/7/98 LAST NM 38/03	6/04		
Relocate	Beacon from 47°51'29.9"N 122°40'33.0"W to 47°51'35.3"N 122°40'28.6"W			
	(49/03 CG13)			
★18477	5Ed. 8/25/01 LAST NM 7/03	6/04		
Relocate	Beacon from 47°51'29.5"N 122°40'33.0"W to 47°51'35.3"N 122°40'28.6"W			
	(49/03 CG13)			
★18480	29Ed. 12/02 LAST NM 3/04	6/04		
Add	Wreck [K29]	48°14.0'N 125°52.9'W		
	(48/03 CG13)			
18525	33Ed. 6/30/01 LAST NM 52/03	6/04		
Change	Height of light "6" to 36ft	45°38'37"N 122°46'38"W		
	Height of light to 32ft	45°37'10"N 122°47'43"W		
	(45/03 CG13)			
★18526	55Ed. 5/26/01 LAST NM 52/03	6/04		
Relocate	Light from 45°37'09.5"N 122°47'41.1'W to 45°37'08.6"N 122°47'41.4'W			
	and change height to 32ft			
Change	Height of light "6" to 36ft	45°38'37.6"N 122°46'37.1'W		
	(Inset)			
Relocate	Light from 45°37'09.4"N 122°47'41.1'W to 45°37'08.6"N 122°47'41.4'W			
	and change height to 32ft			
	(45/03 CG13)			
19002	9Ed. 3/1/97 LAST NM N46/03	N6/04		
Relocate	Buoy (FAD) "A" from 18°46.5'N 155°42.1'W to	18°57.4'N 155°33.4'W		
★19320	16Ed. 12/14/96 LAST NM 23/03	6/04		
Relocate	Buoy (FAD) "A" from 18°46.5'N 155°42.1'W to Buoy (FAD) "KH" from 19°20.9'N 154°52.7'W to (47/03 CG14) 18°57.4'N 155°33.4'W 19°21.0'N 154°53.0'W			
★19353	12Ed. 4/15/00 LAST NM 27/03	6/04		
Add	Leading line extending in 165° direction from rear beacon 21°05'14.3"N 157°14'59.8'W dashed for 65 yards, thence solid for 620 yards			
	Legend "345°" along above leading line (NTM0002/2004) 21°04'57.5"N 157°14'54.6'W			
★19480	7Ed. 10/21/89 LAST NM 22/00	6/04		
Relocate	Range light, front from 28°13.7'N 177°21.3'W to 28°13.9'N 177°21.3'W Range light, rear from 28°13.9'N 177°21.3'W to 28°14.2'N 177°21.3'W			
	(47/03 CG14)			
★19482	9Ed. 12/9/00 LAST NM 12/01	6/04		
Relocate	Range light, rear from 28°14'09.9'N 177°21'17.3" to 28°14'09.5" 177°21'17.3" W			
	Range light, front from 28°13'51.8" 177°21'17.2" to 28°13'51.5" 177°21'17.2" W			
	Buoy "2" from 28°12'44.0" 177°21'28.0" W to 28°12'43.4" 177°21'27.7" W			
	Buoy "4" from 28°12'08.9" 177°21'13.6" W to 28°12'08.5" 177°21'14.2" W			
	Buoy "5" from 28°12'27.4" 177°21'19.1" W to 28°12'26.8" 177°21'19.8" W			
	Buoy "7" from 28°12'37.9" 177°21'20.0" W to 28°12'37.4" 177°21'20.7" W			
	Buoy "8" from 28°12'36.2" 177°21'14.2" W to 28°12'35.7" 177°21'14.6" W			
	Buoy "10" from 28°12'50.3" 177°21'13.6" W to 28°12'49.9" 177°21'13.8" W			
	Buoy "11" from 28°12'59.8" 177°21'20.9" W to 28°12'59.2" 177°21'19.9" W			
	Buoy "14" from 28°13'19.7" 177°21'36.2" W to 28°13'19.5" 177°21'36.3" W			
	Buoy "15" from 28°13'09.2" 177°21'50.2" W to 28°13'08.9" 177°21'51.1" W			
	Buoy "16" from 28°13'19.6" 177°21'50.1" W to 28°13'19.2" 177°21'50.0" W			
	Buoy "17" from 28°13'04.9" 177°21'58.6" W to 28°13'04.5" 177°21'58.8" W			
	Buoy "B" from 28°12'47.4" 177°21'20.1" W to 28°12'46.7" 177°21'20.3" W			
	(47/03 CG14)			
22471	31Ed. 4/4/98 LAST NM 2/04	6/04		
Add	Platform [L10] (51(5605)03 Taunton)	52°41.0'S 68°02.5'W		

SECTION I

24050	11Ed. 10/18/97 LAST NM 52/03 Add Danger circle "Foul" [K31] Danger circle "Foul" [K31] (PA) (BA CH 1749)	6/04 35°31.0'S 56°34.8'W 35°32.8'S 56°34.8'W	24450	3Ed. 5/23/87 LAST NM 47/03 Change Period of light to 5s (94/03 Caracas)	6/04 11°49.0'N 66°11.1'W
24055	6Ed. 10/4/97 LAST NM 52/03 Delete Buoy Buoy Buoy	6/04 34°42.0'S 57°30.0'W 34°42.1'S 57°29.3'W 34°45.9'S 57°02.3'W	28165	19Ed. 7/29/95 LAST NM 47/01 Change Legend to "9.3m rep (2000)" Legend to "9.3m rep (2000)"	6/04 15°44'06.0"N 88°36'26.5"W 15°44'03.0"N 88°36'29.0"W
	Add Danger circle "Obstn" [K40] Danger circle "Obstn" [K40] (Arg CH H-117)	34°39.4'S 57°09.6'W 34°43.4'S 57°17.3'W		Add Submarine pipeline [L40.1] between (BA CH 2988)	15°43'10.2"N 88°36'13.2"W 15°41'39.9"N 88°38'07.0"W
24057	4Ed. 6/29/96 LAST NM 4/04 (Plan) Delete Buoy (cylindrical) (12(108)03 Montevideo)	6/04 34°54'25"S 56°13'34"W	36040	16Ed. 5/3/97 LAST NM 15/03 Add Buoy Y, can, "X" topmark, Fl Y 10s (14/03 Dublin)	6/04 52°38.4'N 6°13.0'W
24140	18Ed. 7/25/98 LAST NM 46/03 Add Submarine cable [L30.1] joining	6/04 23°58.7'S 45°13.0'W 23°59.6'S 45°16.0'W 23°59.5'S 45°25.9'W 23°57.3'S 45°31.4'W 23°55.5'S 45°32.7'W 23°49.8'S 45°35.4'W 23°47.5'S 45°34.7'W (18(114)03 Rio de Janeiro)	42141	3Ed. 1/18/97 LAST NM 32/01 Delete Buoy (31(4470)99 St. Petersburg)	6/04 73°32.6'N 80°25.0'E
24150	27Ed. 4/25/98 LAST NM 47/03 Add Submarine cable [L30.1] joining	6/04 23°21.0'S 44°43.3'W 23°22.6'S 44°41.8'W 23°23.1'S 44°41.7'W 23°25.4'S 44°42.0'W 23°26.0'S 44°42.3'W 23°43.9'S 44°53.8'W 23°51.4'S 45°02.0'W 23°58.4'S 45°12.0'W 23°59.6'S 45°16.0'W 23°59.5'S 45°25.9'W 23°57.3'S 45°31.4'W 23°55.5'S 45°32.7'W 23°49.8'S 45°35.4'W 23°47.5'S 45°34.7'W (18(114)03 Rio de Janeiro)	43030	24Ed. 4/5/97 LAST NM 3/04 Add "Unexploded Ammunition" area enclosed by purple dashed-line circle, radius 0.5 mile, centered (51-52(914)01 Norrkoping)	6/04 55°13.0'N 13°21.0'E
24151	4Ed. 2/9/85 LAST NM 41/03 Add Submarine cable [L30.1] joining	6/04 23°32'00"S 44°46'06"W 23°43'55"S 44°53'49"W 23°47'52"S 44°58'07"W 23°51'25"S 45°02'01"W 23°58'21"S 45°12'01"W 23°59'37"S 45°16'01"W 23°59'32"S 45°25'51"W 23°57'17"S 45°31'22"W 23°55'32"S 45°32'44"W 23°50'46"S 45°35'08"W 23°49'49"S 45°35'23"W 23°47'29"S 45°34'40"W (18(114)03 Rio de Janeiro)	44040	23Ed. 7/20/96 LAST NM 5/04 Add Buoy G, conical Fl G 3s Buoy G, conical Fl G 3s Buoy G, conical Fl G 3s (50(400)01 Kobenhavn)	6/04 55°40.2'N 10°37.7'E 55°39.3'N 10°35.4'E 55°39.1'N 10°34.6'E
24152	2Ed. 5/11/85 LAST NM 47/03 Add Submarine cable [L30.1] joining	6/04 23°20'57"S 44°43'19"W 23°21'17"S 44°42'41"W 23°21'38"S 44°42'21"W 23°22'35"S 44°41'47"W 23°23'09"S 44°41'44"W 23°25'25"S 44°42'02"W 23°26'02"S 44°42'16"W 23°43'55"S 44°53'49"W 23°51'00"S 45°01'37"W (18(114)03 Rio de Janeiro)	44046	10Ed. 7/13/96 LAST NM 1/04 Add Buoy G, conical Fl G 3s Buoy G, conical Fl G 3s Buoy G, conical Fl G 3s (50(400)01 Kobenhavn)	6/04 55°40'14"N 10°37'41"E 55°39'19"N 10°35'23"E 55°39'05"N 10°34'38"E
24153	6Ed. 8/15/92 LAST NM 47/03 Add Submarine cable [L30.1] joining	6/04 23°20'57"S 44°43'19"W 23°21'10"S 44°42'52"W 23°21'17"S 44°42'41"W 23°21'38"S 44°42'21"W 23°22'35"S 44°41'47"W 23°23'09"S 44°41'44"W 23°25'00"S 44°41'58"W (18(114)03 Rio de Janeiro)	44061	21Ed. 9/7/96 LAST NM 1/04 Add Buoy G, conical Fl G 3s Buoy G, conical Fl G 3s Buoy G, conical Fl G 3s (50(400)01 Kobenhavn)	6/04 55°40.2'N 10°37.7'E 55°39.3'N 10°35.4'E 55°39.1'N 10°34.6'E
			44064	19Ed. 6/29/96 LAST NM 1/04 Add Buoy G, conical Fl G 3s Buoy G, conical Fl G 3s Buoy G, conical Fl G 3s (50(400)01 Kobenhavn)	6/04 55°40.2'N 10°37.7'E 55°39.3'N 10°35.4'E 55°39.1'N 10°34.6'E
			44065	7Ed. 3/27/93 LAST NM 17/03 Delete Buoy "Warn-St." Add "PROHIB AREA" [N2.2] bound by shore and purple composite line joining (31(42), 46(32)03 Hamburg)	6/04 54°29'44"N 9°59'22"E 54°22'36"N 10°09'58"E 54°22'26"N 10°09'48"E 54°22'17"N 10°09'38"E 54°22'20"N 10°09'28"E
			44066	10Ed. 9/5/98 LAST NM 31/03 Delete Buoy "Warn-St" Buoy "Warn-St" Add "Prohibited area" [N2.2] bound by shore and purple composite line joining Beacon GRG, "X" topmark Buoy "Sperr-G" GRG, spar, "X" topmark, Fl G 4s Buoy GR, pillar (31(42)03 Hamburg)	6/04 54°22'30.3"N 10°09'47.0"E 54°22'24.8"N 10°09'38.0"E 54°22'36.0"N 10°09'57.6"E 54°22'25.8"N 10°09'48.0"E 54°22'16.8"N 10°09'38.4"E 54°22'19.8"N 10°09'27.6"E 54°22'19.8"N 10°09'27.6"E 54°22'16.8"N 10°09'38.4"E 54°22'25.8"N 10°09'48.0"E 54°22'25.8"N 10°09'48.0"E

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44067	22Ed. 10/19/96 LAST NM 28/03 Delete Buoy "Warn-St." (46(32)03 Hamburg)	6/04 54°29.7'N 9°59.4'E	Buoy "K1" from 57°00'31.8"N 24°05'15.6"E to 57°00'31.8"N 24°05'10.4"E
44100	7Ed. 3/9/96 LAST NM 51/03 Add "Unexploded Ammunition" area enclosed by purple composite line joining (51-52(914)01 Norrkoping)	6/04 55°13.5'N 13°18.0'E 55°13.5'N 13°24.0'E 55°12.5'N 13°24.0'E 55°12.5'N 13°18.0'E	Substitute Depth 13.5 meters for 12.1 meters 57°03'21.0"N 24°01'46.0"E Depth 14.6 meters for 15.2 meters 57°03'44.4"N 24°01'24.6"E Depth 15 meters for 15.1 meters 57°03'42.6"N 24°01'31.6"E Depth 14.6 meters for 15.5 meters 57°03'38.4"N 24°01'41.0"E Depth 14.4 meters for 15.2 meters 57°03'31.2"N 24°01'57.3"E
44164	1Ed. 12/2/89 LAST NM 2/04 Delete Solid line (recommended track) between (11(985)03 Norrkoping)	6/04 58°29'52.8"N 17°00'04.2"E 58°29'16.8"N 16°59'50.4"E	Add Buoy "D1B" G, pillar, Fl(2) 6s 57°03'19.1"N 24°01'43.9"E Buoy BY, pillar, Q 57°03'27.0"N 24°01'59.0"E Buoy "No 6B" R, pillar, Fl R 3s 57°03'41.9"N 24°01'38.2"E Light Fl 3s 8m 1M to range beacon, front 57°03'04.4"N 24°01'52.3"E Light Fl 3s 13m 1M to range beacon, rear 57°03'03.0"N 24°01'52.8"E
44180	6Ed. 7/6/91 LAST NM 3/04 Substitute Depth 12.3 meters for 13 meters Depth 7.6 meters for 8 meters Depth 12.9 meters for 12 meters Depth 13 meters for 12 meters (11(994)03 Norrkoping)	6/04 59°46.4'N 19°20.0"E 59°46.2'N 19°20.7"E 59°43.4'N 19°09.9"E 59°43.0'N 19°06.4"E	Beacon Fl(3) 9s 9m 2M 56°57'27.0"N 24°05'14.8"E Beacon Fl(3) G 9s 9m 1M 57°02'36.7"N 24°04'15.6"E Depth 13.5 meters 57°03'07.6"N 24°01'53.0"E (7(81), 10(118, 122), 11(127-132, 134, 135, 141-144)03 Riga)
44182	4Ed. 5/28/94 LAST NM 2/04 Add Position circle "Pontoon" Position circle "Pontoon" Position circle "Pontoon" (48(683)02 Norrkoping)	6/04 59°18'25.0"N 18°02'53.4"E 59°20'04.6"N 18°08'46.9"E 59°18'22.4"N 18°06'02.0"E	51081 10Ed. 10/5/96 LAST NM 45/03 Substitute Depth 78 meters for 88 meters (Por CH 43103) 37°51.8'N 25°03.7'W
44187	2Ed. 2/3/96 LAST NM 2/04 Substitute Depth 12.5 meters for 13 meters Depth 12.3 meters for 13 meters Depth 7.6 meters for 8 meters Depth 14 meters for 15 meters Depth 6.1 meters for 6.5 meters Depth 5.7 meters for 6.2 meters Depth 13.5 meters for 15 meters Depth 9.8 meters for 10 meters Depth 10.5 meters for 10 meters Depth 12.9 meters for 12 meters Depth 11.8 meters for 12 meters Depth 5.3 meters for 4.8 meters Depth 4.5 meters for 4.6 meters Depth 5.9 meters for 6.9 meters Depth 10.2 meters for 10 meters Depth 8.6 meters for 8.9 meters Depth 13 meters for 12 meters Depth 4.1 meters for 4.2 meters Depth 10.3 meters for 10 meters Add Depth 8.5 meters Depth 5.7 meters (11(994)03 Norrkoping)	6/04 59°47'18"N 19°23'00"E 59°46'23"N 19°20'03"E 59°46'11"N 19°20'42"E 59°45'02"N 19°20'48"E 59°44'53"N 19°17'39"E 59°44'52"N 19°17'03"E 59°44'02"N 19°14'49"E 59°44'00"N 19°12'53"E 59°43'22"N 19°10'48"E 59°43'23"N 19°09'54"E 59°43'20"N 19°09'13"E 59°43'42"N 19°07'35"E 59°43'37"N 19°07'21"E 59°43'54"N 19°06'05"E 59°43'09"N 19°07'07"E 59°43'08"N 19°06'54"E 59°42'58"N 19°06'25"E 59°43'13"N 19°04'45"E 59°42'43"N 19°04'23"E 59°44'52"N 19°16'51"E 59°42'45"N 19°04'31"E	51154 3Ed. 12/30/95 LAST NM 15/03 Add Depth 11.6 meters Depth 13.1 meters (Por CH 27502) 37°06'20.2"N 8°33'27.6"W 37°06'04.3"N 8°33'55.2"W
44193	1Ed. 7/16/94 LAST NM 5/04 Substitute Depth 7.6 meters enclosed by depth contour (10-meter) for 9 meters (48(685)02 Norrkoping)	6/04 59°31'40"N 17°02'17"E	52060 16Ed. 9/26/87 LAST NM 34/03 Change Visibility (range) of light to 10M (Supersedes 34/03-52060) (4(614)03 Cadiz) 37°35.2'N 0°59.1'W
44206	1Ed. 12/27/86 LAST NM 46/03 Add Dangerous submerged rock [K13] (33(1322)03 Norrkoping)	6/04 61°33'47"N 17°18'18"E	52061 2Ed. 3/2/96 LAST NM 34/03 Change Visibility (range) of light to 10M (Supersedes 34/03-52061) (4(614)03 Cadiz) 37°35'04" N 0°59'05" W
44340	11Ed. 8/10/96 LAST NM 2/04 Add Buoy YBY, pillar, double cone topmark points together, Q(9) 15s (11(136)03 Tallinn)	6/04 59°29.7'N 24°57.8'E	52062 7Ed. 9/23/00 LAST NM 1/04 Change Characteristic of light to Fl(4) R 11s Visibility (range) of light to 10M 37°35'48.7"N 0°58'30.0"W 37°35'04.1"N 0°59'05.0"W Light to Fl(3) R 9s 5m 1M (See 34/03-52062) 37°35'45.1"N 0°58'54.2"W
44361	6Ed. 7/13/96 LAST NM 4/04 (Plan) Delete Depth 8 meters Obstn (30(4322)99 St. Petersburg)	6/04 59°54'58.5"N 30°15'34.5"E	Add Light QR 1M 37°35'19.2"N 0°59'19.2"W Double solid line (pier) [F4.1] joining 37°35'13.2"N 0°59'12.4"W 37°35'16.0"N 0°59'16.0"W 37°35'19.2"N 0°59'19.2"W
44401	7Ed. 9/29/01 LAST NM 49/03 Delete Buoy Relocate Buoy "D1" from 57°03'29.4"N 24°01'36.6"E to 57°03'25.6"N 24°01'40.9"E	6/04 56°59'57.0"N 24°05'31.2"E	(Plan A) Change Visibility (range) of light to 10M 37°35'04.1"N 0°59'02.9"W Visibility (range) of light to 3M Light to Fl(3) R 9s 5m 1M 37°35'26.2"N 0°59'12.7"W 37°35'45.1"N 0°58'54.2"W Characteristic of light to Fl(4) R 11s 37°35'48.7"N 0°58'30.0"W Add Light QR 1M 37°35'19.2"N 0°59'19.2"W Double solid line with land tint (pier) [F4.1] joining 37°35'13.2"N 0°59'12.4"W 37°35'16.0"N 0°59'12.4"W 37°35'19.2"N 0°59'19.2"W (42(614, 615)03 Cadiz)
52087	1Ed. 4/23/94 LAST NM 51/02 Relocate Buoy from 41°49'38.4"N 3°11'09.6"E to (31(601)01 Cadiz)	6/04 41°49'48.3"N 3°11'11.8"E	

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52120	12Ed. 11/14/87 LAST NM 18/03 Delete R Bn at light (42(618)03 Cadiz)	6/04 41°53.9'N 3°12.1'E	55046	4Ed. 11/30/96 LAST NM 50/03 Add Position circle "Radar Tr" [E30.2] (18(85)03 Istanbul)	6/04 41°00'04"N 28°58'40"E
52124	1Ed. 6/18/94 LAST NM 51/02 Delete R Bn at light	6/04 41°53'54"N 3°12'09"E	55047	8Ed. 9/16/00 LAST NM 51/03 Add Position circle "Radar Tr" [E30.2]	6/04 41°01'33.0"N 29°00'34.8"E
	Relocate Buoy from 41°49'30"N 3°10'42"E to (31(601)01, 42(618)03 Cadiz)	41°49'48"N 3°11'12"E		Position circle "Radar Tr" [E30.2] (18(85)03 Istanbul)	41°01'03.6"N 28°58'39.6"E
52180	14Ed. 7/31/99 LAST NM 50/03 Change Characteristic of buoy (wavemeter) to Fl(5) Y 20s (See 13/03-52180) (16(10)03 Genova)	6/04 38°15.4'N 13°19.9'E	55100	8Ed. 1/23/99 LAST NM 44/03 Delete R Bn at light (41(6631)03 St. Petersburg)	6/04 45°15.5'N 30°12.1'E
53031	1Ed. 5/2/92 LAST NM 49/03 Delete R Bn at light (42(618)03 Cadiz)	6/04 41°53.9'N 3°12.2'E	55101	4Ed. 8/24/96 LAST NM 4/04 Relocate Buoy "80" from 46°43'41"N 31°56'07"E to (41(6634)03 St. Petersburg)	6/04 46°43'36"N 31°56'03"E
53060	14Ed. 9/30/89 LAST NM 44/03 Delete R Bn at light (42(618)03 Cadiz)	6/04 41°53.9'N 3°12.1'E	55102	3Ed. 8/10/96 LAST NM 2/04 Delete Buoy "13" Buoy "14" Buoy "16" Buoy "18" Buoy "20" Buoy "22" Buoy "30" Buoy "24" Buoy "32" Buoy "34" Buoy "34A" Buoy "36" Buoy "25" Buoy "25A" Depth 9.4 meters	6/04 46°38'09"N 31°25'51"E 46°38'12"N 31°25'45"E 46°39'17"N 31°27'26"E 46°40'01"N 31°28'43"E 46°41'00"N 31°28'44"E 46°41'22"N 31°29'16"E 46°42'14"N 31°29'37"E 46°42'21"N 31°30'52"E 46°42'52"N 31°29'18"E 46°43'36"N 31°29'45"E 46°44'16"N 31°29'23"E 46°44'46"N 31°28'06"E 46°44'04"N 31°31'30"E 46°45'03"N 31°32'19"E 46°35'29"N 31°36'53"E
53166	1Ed. 7/20/91 LAST NM 47/01 Add Danger circle "Obstn (Marine Farm)" marked by buoy Y, conical, "X" topmark, Fl Y 3s (16(9)03 Genova)	6/04 40°38'26.4"N 14°23'30.0"E		Relocate Buoy "80" from 46°43'41"N 31°56'07"E to 46°43'36"N 31°56'03"E	
53283	4Ed. 9/28/85 LAST NM 40/03 Substitute Beacon BYB, double cone topmark bases together for buoy (17(5)03 Genova)	6/04 40°55.28'N 9°39.17'E		Change Characteristic of range light, front to Fl R 2s 46°43'59"N 31°56'14"E	
54060	5Ed. 2/24/96 LAST NM 16/03 Delete "PROHIBITED AREA" in vicinity (17(6)03 Genova)	6/04 40°26.0'N 18°19.0'E		Add Light Fl G 3s to buoy "47" Buoy "1" RW, pillar, ball topmark Buoy "3" RW, pillar, ball topmark (16(2151), 35(5236)99, 41(6633, 6634)03 St. Petersburg; BA LL)	
54090	3Ed. 9/14/02 LAST NM 19/03 Delete "PROHIBITED AREA" in vicinity (17(6)03 Genova)	6/04 40°26.0'N 18°19.0'E	55103	2Ed. 4/6/96 LAST NM 2/04 Delete Range light, front, range line and legend "Lights in line 129°06'" between 44°34'58.5"N 33°26'07.5"E 44°37'54.5"N 33°21'04.0"E	6/04
54343	10Ed. 12/9/95 LAST NM 13/03 Add Light Fl G 4s 7m 3M (11(274)03 Athens)	6/04 37°52'47"N 23°43'26"E		Dashed line (recommended track) and legend "000°" between 44°36'36.0"N 33°23'19.5"E 44°38'04.0"N 33°23'19.5"E	
54352	3Ed. 8/10/96 LAST NM 37/03 (Plan A) Add Depth 154 meters enclosed by depth contour (200-meter) centered (3(11)03 Istanbul)	6/04 38°58'56"N 24°15'58"E		Add Buoy (mooring) [Q40] Light Fl(2) 5s to buoy Buoy (mooring) [Q40]	44°36'54.1"N 33°32'00.7"E 44°37'09.5"N 33°29'47.0"E 44°36'08.4"N 33°28'15.9"E
54360	12Ed. 9/22/90 LAST NM 50/03 Delete Depth 326 meters	6/04 40°08'15"N 24°55'00"E		Buoy BY, pillar, double cone topmark points upward, Q	44°34'50.6"N 33°24'29.2"E
	Add Depth 951 meters (3(11)03 Istanbul)	39°58'26"N 24°20'58"E		Danger circle [K40] "Obstn Fish nets" 44°36'50.0"N 33°27'59.4"E	
54363	3Ed. 7/14/84 LAST NM 2/04 Delete Depth 326 meters	6/04 40°08'15"N 24°55'00"E		(16(2154), 18(2429, 2432), 32(4716)99, 40(6443), 41(6635)03 St. Petersburg)	
	Add Depth 951 meters (3(11)03 Istanbul)	39°58'26"N 24°20'58"E	55104	2Ed. 4/20/96 LAST NM 2/04 Delete Buoy (16(2154)99 St. Petersburg)	6/04 44°29'15"N 33°36'39"E
55001 (INT 310)	4Ed. 1/21/95 LAST NM 52/03 Delete R Bn at light (41(6631)03 St. Petersburg)	6/04 45°15.0'N 30°11.9'E	55128	2Ed. 3/18/00 LAST NM 2/04 (Plan) Delete Buoy (mooring)	6/04 44°43'07.5"N 37°49'53.7"E
55040	4Ed. 7/31/99 LAST NM 52/03 Add Position circle "Radar Tr" [E30.2] Position circle "Radar Tr" [E30.2] (18(85)03 Istanbul)	6/04 41°01.5'N 29°00.6"E 41°00.1'N 28°58.7"E		Add Buoy (mooring) [Q40] Buoy (mooring) [Q40]	44°43'08.9"N 37°49'52.0"E 44°43'05.3"N 37°49'54.0"E

(continued on next page)

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55128	(Continued)			
	Double solid line with land tint (floating dock) [F26] between	44°43'10.0"N 37°49'58.0"E 44°43'06.8"N 37°49'53.1"E	Add	Dashed line (recommended track) [M4] with legend "Recommended route GS (174°)" between
	(40(6444)03 St. Petersburg; Rus CH 38174)			41°58'00"N 41°33'19"E 41°42'35"N 41°35'24"E
55129	7Ed. 6/15/96 LAST NM 46/03	6/04		
Delete	Prohibited area and legend "ANCHORAGE AND FISHING PROHIBITED AREA NO 661 CAUTION NO 2" in vicinity	44°31'30"N 38°00'45"E	55170	2Ed. 10/5/96 LAST NM 46/03 6/04
Change	Line 3 of Caution No. 2 to "prohibited in Areas Nos. 89, 647, 648, 649, 664 and 666." 44°45'18"N 37°58'15"E		Delete	Legend "(Hydrofoils)" Legend "151°30'-331°30'" Legend "152°30'-332°30'"
Add	Dashed line (recommended track) [M4] with legend "Track No 13 325°-145°" between 44°33'43"N 38°02'52"E 44°34'27"N 38°02'09"E			Dashed line (recommended track) between 42°45.0'N 40°49.9'E 42°58.0'N 41°01.7'E
	Dashed line (recommended track) [M4] with legend "Track No 13 103°24'-283°24'" between	44°33'54"N 38°03'11"E 44°33'43"N 38°04'18"E	Change	Dashed line (recommended track) and legend "057°30'-237°30'" between 42°58.0'N 41°01.7'E 42°56.3'N 40°58.3'E
	(28(4027)99 St. Petersburg)			Legend to "Recommended Track GN 317°30" 43°09.3'N 40°12.2'E
55130	2Ed. 2/8/97 LAST NM 2/04	6/04		Legend to "Recommended Track GN 286°48" 42°58.5'N 40°49.8'E
Delete	R Bn at light	45°15.3'N 30°12.2'E		Legend to "Recommended Track GN 332°12" 42°35.9'N 41°13.7'E
	(41(6631)03 St. Petersburg)			Legend to "Recommended Track GN" 42°00.0'N 41°35.7'E
55131	1Ed. 11/16/96 LAST NM 39/03	6/04		Legend to "353°30" 41°52.0'N 41°36.8'E
Delete	R Bn at light	45°15.3'N 30°12.2'E	Add	Dashed line (recommended track) [M4] with legend "Recommended Track GS 137°30" between
	(41(6631)03 St. Petersburg)			43°19.5'N 39°55.9'E 43°03.8'N 40°15.5'E
55133	3Ed. 1/27/96 LAST NM 46/03	6/04		Dashed line (recommended track) [M4] with legend "Recommended Track GS 106" between
Add	Dashed line [N1.1] with legend "Port Limit" joining	44°05'52"N 39°03'09"E 44°04'24"N 39°01'31"E 44°01'24"N 39°06'01"E 44°02'24"N 39°07'19"E 44°04'18"N 39°04'55"E 44°05'15"N 39°04'49"E		43°03.8'N 40°15.5'E 42°55.2'N 40°56.5'E
	Pilot station symbol [T1.1]	44°03'42"N 39°03'49"E		Dashed line (recommended track) [M4] with legend "Recommended Track GS 152" between
Add	(Plan)			42°55.2'N 40°56.5'E 42°04.6'N 41°32.3'E
	Dashed line [N1.1] with legend "Port Limit" joining	44°05'51.8"N 39°03'08.5"E 44°04'23.6"N 39°01'31.3"E 44°04'13.5"N 39°01'44.5"E		Dashed line (recommended track) [M4] with legend "Recommended Track GS 174" between
	Dashed line [N1.1] with legend "Port Limit" joining	44°04'13.5"N 39°05'00.5"E 44°04'17.6"N 39°04'55.3"E 44°05'14.6"N 39°04'49.3"E		42°04.6'N 41°32.3'E 41°42.6'N 41°35.4'E
	(35(5245)99 St. Petersburg)			Dashed line (recommended track) [M4] with legend "Recommended Track SW 047°-227°" between
55138	4Ed. 8/31/96 LAST NM 52/03	6/04		42°49.0'N 40°48.7'E 42°58.0'N 41°01.7'E
Delete	Legend "Caution No 2"	42°03'36"N 41°34'33"E		Dashed line (recommended track) [M4] with legend "Recommended Track SS 172°48"- 352°48" between
Change	Legend to "Recommended Track GN 353°30"	42°03'36"N 41°34'27"E		42°49.8'N 41°03.2'E 42°44.7'N 41°04.2'E
	(28(4028)99 St. Petersburg)			(28(4028), 4029)99 St. Petersburg
55139	5Ed. 5/6/00 LAST NM 41/02	6/04		
Delete	Dashed line (recommended track) between	41°41'18"N 41°36'56"E 41°40'36"N 41°37'29"E	55190	2Ed. 10/5/96 LAST NM 3/04 6/04
	Dashed line (recommended track) and legend "(131°-311°)" between	41°40'01"N 41°37'57"E 41°39'26"N 41°38'51"E	Delete	Depth 3.5 meters Wk 45°21.0'N 37°21.6'E
Change	Legend to "Recommended route GN (353°30')" Legend to "Recommended route BE (149°-329°)" Legend to "Recommended route BN (094°36')" Legend to "Recommended route BW (274°36')"	41°49'27"N 41°36'45"E 41°40'45"N 41°37'30"E 41°41'00"N 41°34'42"E 41°43'06"N 41°32'27"E	Add	"AREA NO 157" bound by purple composite- line circle, radius 2 miles, centered (18(2435), 30(4353)99 St. Petersburg)
			91175	2Ed. 9/23/95 LAST NM 41/01 6/04
				Substitute Islet [K10] for rock Islets (2) [K10] for rocks in vicinity Islet [K10] for rock (BA CH 3804)
				19°04.7'N 122°12.0'E 18°58.5'N 122°06.0'E 19°14.6'N 121°28.9'E
93698	3Ed. 3/23/96 LAST NM 28/03	6/04		
Change	Characteristic of buoy "1" to Fl(3) G 10s	18°13'49"N 109°28'50"E		
	(20(375)03 Tianjin)			
94004	6Ed. 9/2/95 LAST NM 42/03	6/04		
Add	Wreck [K29]	26°46.1'N 120°53.8'E		
	(45(984)03 Tianjin)			

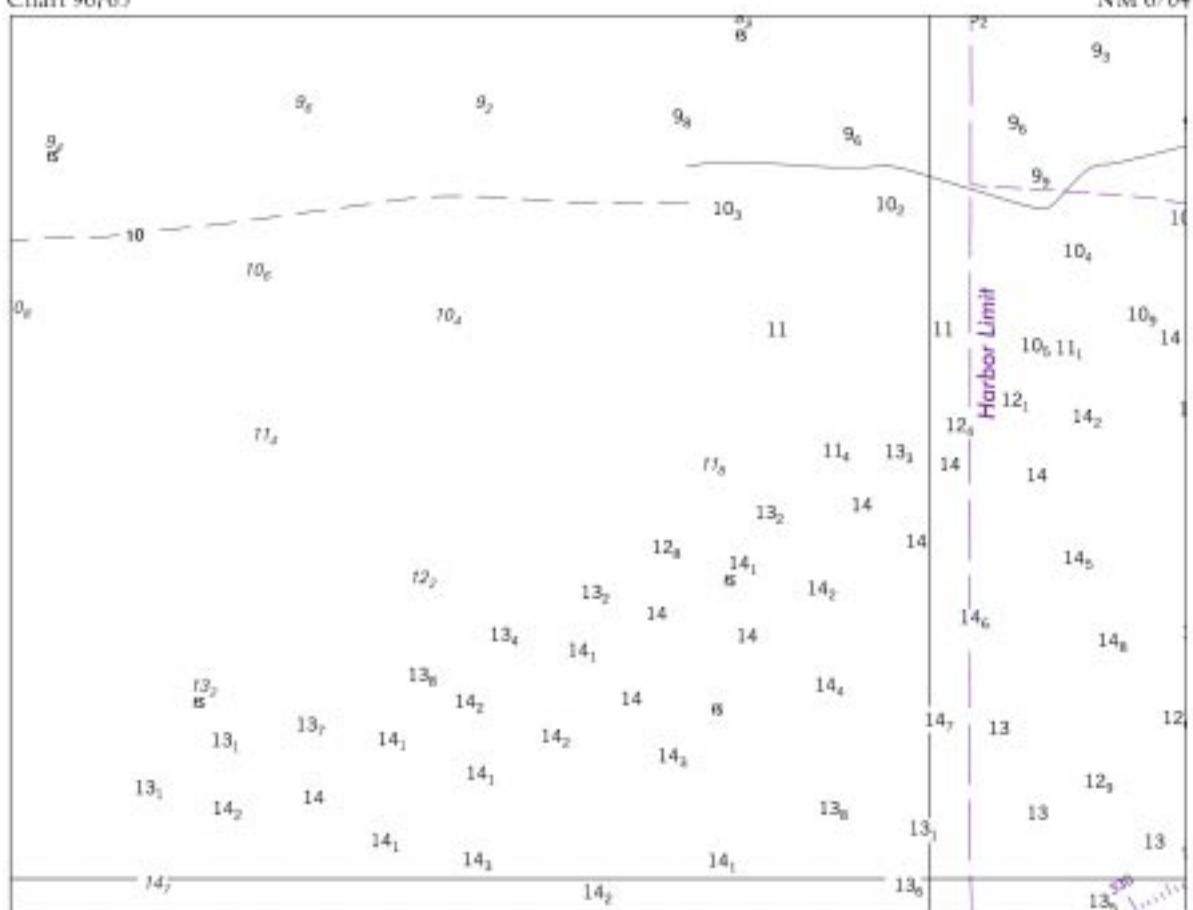
SECTION I

94160	7Ed. 3/23/96 LAST NM 42/03 Delete Purple outline of chart 94181 Change Height of light to 53m Add Wreck [K29] (NGA; 28(575), 45(984)03 Tianjin)	6/04 27°49.2'N 121°18.5'E 27°52.3'N 121°10.5'E 26°46.1'N 120°53.8'E	97225 31Ed. 1/21/95 LAST NM 49/03 Change Visibility (range) of light to 7M (49(1816)03 Tokyo) 97226 7Ed. 8/29/98 LAST NM 41/03 Change Visibility (range) of light to 7M (49(1816)03 Tokyo) 97278 11Ed. 4/14/90 LAST NM 49/03 Change Legend "Katasima Ko" to "Sukumowan Ko" Legend "Katasima Ko" to "Sukumowan Ko" (34(1311)03 Tokyo) 97300 6Ed. 12/13/97 LAST NM 26/03 Change Legend "Katasima Ko" to "Sukumowan Ko" (34(1311)03 Tokyo) 97320 6Ed. 1/18/97 LAST NM 46/03 Change Legend "Katasima Ko" to "Sukumowan Ko" (34(1311)03 Tokyo) 97465 9Ed. 2/3/96 LAST NM 37/03 Delete Superbuoy (Supersedes 33/03-97465) (34(1336)03 Tokyo) 97469 10Ed. 7/19/97 LAST NM 37/03 Delete Superbuoy (Supersedes 33/03-97469) (34(1336)03 Tokyo) 97471 5Ed. 12/16/95 LAST NM N33/03 Delete Superbuoy (Supersedes N33/03-97471) (34(1336)03 Tokyo) 801217 1Ed. 2/7/98 LAST NM N37/03 Delete Superbuoy (See N33/03-801217) (34(1336)03 Tokyo)	6/04 34°31'35"N 135°23'00"E 34°31'48.8"N 135°22'50.2"E 6/04 32°54'00"N 132°39'00"E 32°38'18"N 131°30'36"E 6/04 32°54.4'N 132°39.4'E 6/04 32°54.1'N 132°39.8'E 6/04 26°14'20"N 127°48'40"E 6/04 26°14'20.0"N 127°48'40.0"E N6/04 26°14'20.0"N 127°48'40.0"E
94180	9Ed. 10/28/95 LAST NM 44/03 Change Height of light to 53m (28(575)03 Tianjin)	6/04 27°52.3'N 121°10.5'E		
94219	1Ed. 9/26/87 LAST NM 46/03 (Panel B) Delete Buoy "115" Buoy "116"	6/04 31°12'55.0"N 121°30'15.0"E 31°12'29.0"N 121°30'00.0"E		
	Add Buoy "117" R, pillar, can topmark, Fl(3) R 10s 31°11'20.1"N 121°28'09.9"E Buoy "118" R, pillar, can topmark, QR 31°11'10.2"N 121°27'51.2"E (20(373, 374)03 Tianjin)			
94322	14Ed. 5/18/96 LAST NM 47/03 (Plan) Delete Buoy "28"	6/04 37°34'22.1"N 121°24'17.9"E		
	Relocate Buoy "26" from 37°34'31.3"N 121°24'46.2"E to 37°34'20.8"N 121°24'17.6"E (27(559)03 Tianjin)			
95066	11Ed. 11/21/98 LAST NM 37/03 Add Legend "Inbound for Inchon" Legend "Inbound for Pyeongtaek" Legend "Outbound from Pyeongtaek" 37°04'30"N 126°16'00"E 37°03'00"N 126°17'00"E (See 44/01-95066) (45(825)03 Inchon)	6/04 37°04'30"N 126°16'00"E 37°03'00"N 126°17'00"E 37°03'36"N 126°17'00"E		
96763	7Ed. 8/22/98 LAST NM 45/03 Add Chartlet, depicting changes in hydrography, from Subsection I-2 (38(1442)03 Tokyo)	6/04 42°59'18.0"N 144°17'42.0"E		
97141	5Ed. 12/22/01 LAST NM 20/03 Delete Buoy Buoy (34(1318)03 Tokyo)	6/04 35°21'51.0"N 139°47'37.0"E 35°21'12.0"N 139°46'50.0"E		
97143	11Ed. 9/25/93 LAST NM 49/03 Delete Buoy Buoy (34(1318)03 Tokyo)	6/04 35°21'38"N 139°47'48"E 35°20'59"N 139°47'00"E		
97144	14Ed. 6/22/02 LAST NM 49/03 Delete Buoy Buoy (34(1318)03 Tokyo)	6/04 35°21'51"N 139°47'37"E 35°21'12"N 139°46'50"E		
97152	9Ed. 10/18/03 LAST NM 1/04 Delete Depth 6 meters Legend "St" Add Depth 5.8 meters Depth 8.3 meters Depth 3.6 meters (34(1309)03 Tokyo)	6/04 35°29'45.6"N 140°01'46.4"E 35°29'44.0"N 140°01'45.2"E 35°29'44.5"N 140°01'45.5"E 35°29'46.0"N 140°01'47.5"E 35°29'48.2"N 140°01'44.5"E		
97220	3Ed. 12/30/95 LAST NM 49/03 Change Visibility (range) of light to 7M (49(1816)03 Tokyo)	6/04 34°31'48.8"N 135°22'51.3"E		
97221	20Ed. 1/17/98 LAST NM 46/03 Change Visibility (range) of light to 7M (49(1816)03 Tokyo)	6/04 34°31'49"N 135°22'51"E		

SECTION I

NM 6/04

Chart 96763



SECTION I

Chart 11353

NM 6/04

MISSISSIPPI RIVER - GULF OUTLET CHANNEL				
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2003				
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62	37.0	38.0	29.0	600
	28.0	34.0	26.0	500
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE				

Chart 11363

NM 6/04

MISSISSIPPI RIVER - GULF OUTLET CHANNEL				
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2003				
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62	37.0	38.0	29.0	600
THENCE TO INTERSECTION WITH G. I. W. W.	28.0	34.0	26.0	500
THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	32.0	22.0	500
	26.0	28.0	29.0	500
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE				

Chart 11364

NM 6/04

MISSISSIPPI RIVER - GULF OUTLET CHANNEL				
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2003				
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62	37.0	38.0	29.0	600
THENCE TO INTERSECTION WITH G. I. W. W.	28.0	34.0	26.0	500
THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	32.0	22.0	500
	26.0	28.0	29.0	500
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE				

SECTION I

NM 6/04

Chart 11369

NM 6/04

MISSISSIPPI RIVER - GULF OUTLET CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2003					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)	
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62 THENCE TO INTERSECTION WITH G. I. W. W. THENCE TO INNER HARBOR NAVIGATION CANAL	37.0 28.0 26.0 26.0	38.0 34.0 32.0 28.0	29.0 26.0 22.0 29.0	600 500 500 500	7,10,11-03 6,7,8,10-03 6,7,8,9-03 8,9-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

SECTION II**NM 6/04****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									
12AHA12222 (7642014010301)	Cape Charles to Norfolk Harbor	40,000	<u>45</u>	<u>11/03</u>	NOS	1-94	6/04		
12AHA12238 (7642014010310)	Mobjack Bay and York River Entrance	40,000	<u>38</u>	<u>11/03</u>	NOS	1-94	6/04		
14XHA14990 (7642014010719)	Basswood River	10,000	<u>4</u>	<u>10/03</u>	NOS	1-96	6/04		
16XHA16490 (7642014011359)	<u>Nazan Bay and Amlia Pass</u>	20,000	<u>8</u>	<u>10/03</u>	NOS	1-66,97	6/04		
MISCELLANEOUS CHARTS AND PUBLICATIONS									
DNCDX024 (7644014482139)	Sea of Okhotsk		<u>4</u>	<u>11/03</u>	DS	10-43	6/04		
<u>CDPUBSD132</u> (7644014665862)	<u>Eastern Mediterranean (Enroute), 2003</u>				GPO	10-19, 38	6/04		

Price Categories effective 1 October 2002

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

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.

SECTION II
NAVIGATION PUBLICATIONS

NM 6/04

SAILING DIRECTIONS CORRECTIONS

PUB 132	10 Ed 2003	NEW EDITION
(NGA)		6/04

PUB 160	2 Ed 2002	LAST NM 5/04
Page 27—Line 55/L; read: immediately. Any ship finding a SERB should not therefore (NGA) 6/04		

PUB 174	8 Ed 2000	LAST NM 43/03
Page 117—Lines 31 to 34/L; read: It has been reported that numerous small boats loiter in the TSS; these vessels do not exhibit proper lights. Numerous small vessels and tugs cross the TSS at other than a right angle.		

Maritime and Port Authority of Singapore

<http://www.mpa.gov.sg/index.html>

The Maritime and Port Authority of Singapore (MPA) has advised of the need to put measures in place to combat piracy and armed robbery against ships. Owners and operators are advised to provide guidance and supervision to masters to draw up anti-piracy plans for their vessels. The plan among other things should cover:

1. The need to enhance surveillance and the use of lighting and surveillance or detection equipment;
2. Crew responses if a potential attack is detected or an attack is underway;
3. Radio and alarm procedures to be followed; and,
4. Reports to be made after an attack or attempted attack.

Vessels navigating close to port limits are advised to exercise extra vigilance. In the event of an attack, masters are advised to report to the Singapore Authorities, as follows:

1. Singapore Police Coast Guard:
 - a. VHF Radio: Channel 7 or 16
 - b. Telephone: 6377-5540/6377-5539
 - c. Telefax: 6276-1627
2. MPA's Port Operations Control Center:
 - a. VHF Radio: Channel 5, 12, 18, 21, 22, or 68
 - b. Telephone: 6325-2493/6325-2494
 - c. Telefax: 6224-5776

Shipmasters are also advised to report any suspicious-looking craft to the above authorities.

(PUBS 003/04) 6/04

PUB 193	8 Ed 2000	LAST NM 29/03
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Page 135—Lines 18 to 37/R; read:

Pilotage.—The services of a deep sea pilot are strongly recommended for vessels entering the Skagerrak infrequently or constrained by draft. Requests for such pilots should be made 48 hours in advance through DANPILOT or other designated stations.

Regulations.—Denmark has established a voluntary reporting system called SHIPPOS. The object of the system is to ensure the safety of navigation and to reduce the risk of pollution on the Danish coasts and waters that might result from the grounding or collision of oil, gas, and chemical carriers. The system applies to all vessels in Danish waters in the Baltic Sea, including the transit routes. For further information concerning SHIPPOS, see Pub. 140, Sailing Directions (Planning Guide) North Atlantic Ocean, Baltic Sea, North Sea, and the Mediterranean Sea.

Recommendations for navigating through the entrances to the Baltic Sea and along Route T have been issued by the IMO. For further information concerning these IMO Resolutions, see paragraph 7.6.

Caution.—Several submarine cables, which may best be seen on the chart, extend seaward from the stretch of coast between Hanstholm and Skagen. Some of these cables carry direct current and may cause deflections of the magnetic compass.

Numerous wrecks, some buoyed, lie up to 20 miles offshore along the S side of the Skagerrak and may best be seen on the chart.

Several areas, within which buried mines or aircraft wreckage may exist, lie within the Skagerrak and may best be seen on the chart. Anchoring, fishing, or any other seabed activities are prohibited in these areas.

The entrance channels and harbors located on the S side of the Skagerrak are affected by loose sand, which is swept along the coast by gales, and are subject to silting.

(BA NP 18; Den NM 51/03) 6/04

Page 138—Lines 18 to 58/R; read:

7.6 The Kattegat is the sea area bordered at the E side by a section of the W coast of Sweden extending between Pater Noster Skaren ($58^{\circ}03'N$, $11^{\circ}20'E$) and Kullen Light ($56^{\circ}18'N$, $12^{\circ}27'E$). Its W side is bordered by a section of the E coast of Denmark extending between Skagen and Bjornsknude ($55^{\circ}42'N$, $10^{\circ}02'E$). The S end of the Kattegat is bordered by the N coasts of Sjaelland and Fyn.

The central part of the Kattegat is occupied by the Danish islands of Laeso, Anholt, and Hesselø. These islands are surrounded by banks, shoals, and reefs which extend considerable distances to seaward in some places.

The central islands, banks, and shoals divide the Kattegat into two main channels. The E channel, which is most commonly used, is deeper than the W channel and is less encumbered with dangers.

In winter, when the lighted buoys may be off station, it is not advisable for vessels with drafts of more than 5.5m to use the W channel because of the shoals lying S of Laeso Rende ($57^{\circ}13'N$, $10^{\circ}40'E$).

The bottom of the Kattegat consists mostly of fine or coarse yellowish sand. Gravel, usually of a reddish-brown color, is found in places, especially in the E part. Stones of various sizes are found throughout the Kattegat, except in the deeper parts where the bottom is mainly clay covered with mud.

PUB 193 (Continued)

Ice.—The Kattegat and the passages leading S to the Baltic Sea lie close to the boundary between the mild winters of the NW Atlantic and the cold winters of N Europe. During some winters, mild W weather prevails and the entire area remains ice free. During other winters, cold E weather dominates the area and ice, sufficiently thick to restrict navigation for several weeks, is formed.

The ice encountered in the W part of the Baltic Sea is either pack-ice, which drifts in the open sea, or fast-ice, which borders the coast. Icebergs do not occur in this region.

Generally, the ice season begins in January and ends in March, with the majority of ice occurring in February. Due to the differing salinity in the area, the first ice usually forms within, and S of, Store Baelt (Great Belt), Lille Belt (Little Belt), and The Sound before forming in the Kattegat. However, in recent years, it was observed that thin ice formed earlier in the Kattegat than in the passages to the S. This was particularly true with NE and E winds, which cause colder weather on the Swedish coast than farther offshore.

When the formation of ice, in combination with drift ice from the Baltic Sea, fills the greater part of the Kattegat, navigation is impossible without the assistance of an ice-breaker.

Pilotage.—Pilots are provided by the DANPILOT station at Skagen for the North Sea, Kattegat, The Sound, Store Baelt, Lille Baelt, and ports in the Baltic Sea.

Vessels should send a request for pilotage and an ETA through a coastal radio station at least 12 hours in advance with a confirmation 3 hours before arrival. The message should include destination, draft, speed, and pilotage requirements.

The pilot station (Skawpilot) can be contacted by E-mail at danpilot@pilotage.dk.

Pilots can be contacted by VHF and board in positions located about 3 miles N (Skagen 1) and 4 miles E (Skagen 2) of Skagens Light ($57^{\circ}44'N.$, $10^{\circ}37'E.$).

Directions.—Approximate distances from the vicinity of Skagen to Longitude $13^{\circ}30'E$ in the SW approaches to the Baltic Sea through the following routes:

1. Via Store Baelt - 310 miles.
2. Via Lille Baelt - 340 miles.
3. Via The Sound - 210 miles.

The natural links from the North Sea, through Kattegat, to the Baltic Sea are Store Baelt (Great Belt), Lille Belt (Little Belt), and The Sound. However, the Nord-Ostsee-Kanal (Kiel Kanel) provides the shortest link between the North Sea and the Baltic Sea.

Lillebelt, the W route, leads between the E coast of Jylland and the island of Fyn. The fairway channel is narrow and winding in places. It is about 67 miles long and has a controlling depth of 11m (2002).

Store Baelt, the middle route, is used by larger, deep-draft vessels. The fairway channel leads between the islands of Fyn and Sjaelland. It is about 63 miles long and has a controlling depth, via Route T, of 17m (2002).

The Sound, the E route, leads between the W coast of Sweden and Sjaelland. The fairway channel forms the shortest route to the Baltic Sea. It is about 65 miles long and has a controlling depth of 7.7m (2002).

The above routes are described in detail within Pub. 194, Sailing Directions (Enroute) Baltic Sea (Southern Part).

Several designated through routes are situated within the Kaggegat. Route T, the main track, is well marked by navigation aids and is recommended for large vessels. This route leads from the vicinity of Skagens Rev through Store Baelt to position located about 25 miles W of Kap Arkona ($54^{\circ}41'N.$, $13^{\circ}26'E.$). Sections of this track are designated as Deep Water Routes.

Route T.—From a position located about 5 miles NE of Skagens Light ($57^{\circ}44'N.$, $10^{\circ}37'E.$), Route T, the main track, leads about 30 miles SE to No. 3 Lighted Buoy ($57^{\circ}28'N.$, $11^{\circ}25'E.$), which is equipped with a racon. It continues SSE for 45 miles to No. 6 Lighted Buoy ($56^{\circ}45'N.$, $11^{\circ}53'E.$), which is moored off the E side of Anholt and equipped with a racon.

The track then leads SSW for 52 miles. It crosses Route B and passes about 1.5 miles NW of Sjaellands Rev N Light ($56^{\circ}06'N.$, $11^{\circ}12'E.$), which is equipped with a racon. Route A joins this track, about 6 miles SSW of the light, in the vicinity of No. 13 Lighted Buoy ($56^{\circ}01'N.$, $11^{\circ}05'E.$). Route T then continues SW and forms the principal track for large vessels passing through the Samso Baelt and entering the N part of Store Baelt (Great Belt).

Route T divides in the vicinity of No. 16 Lighted Buoy ($55^{\circ}55'N.$, $10^{\circ}57'E.$), which is equipped with a racon.

An IMO-adopted Traffic Separation Scheme (TSS), which may best be seen on the chart, leads 7.5 miles SW from No. 16 Lighted Buoy to No. 20 Lighted Buoy ($55^{\circ}49'N.$, $10^{\circ}49'E.$). An inshore traffic zone lies E and SE of this TSS.

The traffic lanes of the TSS are 800m wide. They have a least depth of 15m and must be used by vessels with a draft of 13m or less.

A designated Deep Water Route, which may best be seen on the chart, leads 5 miles WSW and then 3.5 miles S from No. 16 Lighted Buoy to No. 20 Lighted Buoy. This route, which passes between the S side of Hatter Rev shoal and the N side of Hatter Barn shoal, has a least depth of 19m.

This section of Route T, which has been designated a Deep Water Route, must be avoided by vessels capable, because of their draft, of navigating outside the route.

From No. 20 Lighted Buoy, Route T continues S for 4.5 miles into Store Baelt and passes about 1.3 miles W of Rosnaes Puller Light ($55^{\circ}45'N.$, $10^{\circ}51'E.$).

Route T is available for vessels with drafts up to 17m. However, charted depths may be reduced by as much as 2m due to unknown and moving obstructions. The depths along the track may also be reduced by meteorological conditions. Vessels are advised to contact the local authorities prior to transit for the latest information.

Route B.—From a position located about 5 miles NE of Skagens Light ($57^{\circ}44'N.$, $10^{\circ}37'E.$), Route B leads S for 32 miles, passing W of Laeso, and SSE for 18 miles to No. 6 Lighted Buoy ($56^{\circ}58'N.$, $10^{\circ}52'E.$). It continues SSW for 7 miles to No. B7 Lighted Buoy ($56^{\circ}51'N.$, $10^{\circ}48'E.$).

The track then leads 56 miles SE to No. 10 Lighted Buoy ($56^{\circ}18'N.$, $12^{\circ}04'E.$). It passes SW of Anholt and crosses Routes E, A, and T. From No. 10 Lighted Buoy, Route B leads SE for 18 miles and enters The Sound.

PUB 193 (Continued)

Route D.—From No. 6 Lighted Buoy ($56^{\circ}45'N$, $11^{\circ}53'E$.), equipped with a racon, Route D leads SSE for 29 miles and joins Route B at No. 10 Lighted Buoy ($56^{\circ}18'N$, $12^{\circ}04'E$.).

Route A.—From No. 6 Lighted Buoy ($56^{\circ}45'N$, $11^{\circ}53'E$.), equipped with a racon, Route A leads 34 miles SE to No. 4 Lighted Buoy ($56^{\circ}24'N$, $11^{\circ}06'E$.). It passes SE of Anholt and crosses Route B.

From No. 4 Lighted Buoy, the track leads 23 miles S and joins Route T at No. 13 Lighted Buoy ($56^{\circ}01'N$, $11^{\circ}05'E$.).

Route F.—Route F leads 7 miles SW from No. B7 Lighted Buoy ($56^{\circ}51'N$, $10^{\circ}48'E$.) to No. 2 Lighted Buoy ($56^{\circ}41'N$, $10^{\circ}38'E$.). It then leads 13 miles SE and SSE to join Route A at No. 4 Lighted Buoy ($56^{\circ}24'N$, $11^{\circ}06'E$.). This route leads across the Tangen flat and has a controlling depth of only 5m.

Route C.—From No. B7 Lighted Buoy ($56^{\circ}51'N$, $10^{\circ}48'E$.), Route C leads 33 miles E from Route B to join Route T at No. 5 Lighted Buoy ($56^{\circ}51'N$, $11^{\circ}49'E$.).

Route E.—From No. B7 Lighted Buoy ($56^{\circ}51'N$, $10^{\circ}48'E$.), Route E leads 13 miles E from Route B (along Route C) to No. 3 Lighted Buoy ($56^{\circ}51'N$, $11^{\circ}12'E$.). It then leads 27 miles SSW to join Route A at No. 4 Lighted Buoy ($56^{\circ}24'N$, $11^{\circ}06'E$.). The track passes W of Anholt and crosses Route B.

All of the above routes and navigational aids may best be seen on the chart. For continuation of these routes, see Pub. 194, Sailing Directions (Enroute) Baltic Sea (Southern Part).

Regulations.—Extracts from IMO Resolutions concerning recommendations for navigating through the entrances to the Baltic Sea are stated below.

Recommendations for Route T:

1. Ships over 40,000 dwt, when passing through the entrances to the Baltic Sea, in view of the fact that 17m is the maximum obtainable depth without dredging in the area NE of Gedser and that the charted depths, even under normal conditions, may be decreased by as much as 2m due to unknown and moving obstructions, should:

a. not pass the area unless they have a draft with which it is safe to navigate through the area, taking into account the possibility of depths being as much as 2m less than charted, as mentioned above, and additionally taking into account the possible changes in the indicated depth of water caused by meteorological or other effects.

b. participate in the ship reporting system (SHIP-POS) operated by Government of Denmark.

c. exhibit the signal prescribed in Rule 28 of the International Regulations for Preventing Collisions at Sea (72 COLREGS) in certain areas of Store Belt (Hatter Rev, Vengeancegrund, and in the narrow route E of Langeland), when constrained by draft.

2. Ships with a draft of 11m or more should, furthermore:

a. use for the passage the pilotage services locally established by the coastal States.

b. be aware that anchoring may be necessary due to weather and sea conditions in relation to the size and draft of the ship and the sea level and, in this respect, take special account of the information available from

the pilot and from radio navigation information services in the area.

3. Ships, irrespective of size and draft, carrying a shipment of irradiated Nuclear Fuel, Plutonium, and High Level Radioactive Wastes (INF-cargoes) should:

a. participate in the ship reporting system (SHIP-POS) operated by Government of Denmark.

b. use for the passage the pilotage services locally established by the coastal States.

4. Shipowners and Masters should consider the full potential of the new and improved navigation equipment introduced in the revised SOLAS chapter V, including Electronic Chart Display and Information System (ECDIS), when navigating in these narrow waters.

Recommendations for The Sound:

1. Loaded oil tankers with a draft of 7m or more, loaded chemical tankers and gas tankers, irrespective of size, and ships carrying a shipment of irradiated Nuclear Fuel, Plutonium, and High Level Radioactive Wastes (INF-cargoes), when navigating The Sound between a line connecting Svinbaaden Light and Hornbaek Harbour and a line connecting Skanor Harbour and Aflandshage (the S extremity of Amager Island) should:

a. use for the passage the pilotage services locally established by the coastal States.

b. be aware that anchoring may be necessary due to weather and sea conditions in relation to the size and draft of the ship and the sea level and, in this respect, take special account of the information available from the pilot and from radio navigation information services in the area.

2. Shipowners and Masters should consider the full potential of the new and improved navigation equipment introduced in the revised SOLAS chapter V, including Electronic Chart Display and Information System (ECDIS), when navigating in these narrow waters.

For further information concerning SHIPPOS, see Pub. 140, Sailing Directions (Planning Guide) North Atlantic Ocean, Baltic Sea, North Sea, and the Mediterranean Sea.

Caution.—Several mine danger areas, which may best be seen on the chart, lie within the Kattegat. Anchoring, fishing, and any other seabed activities are prohibited in these areas. The risks to surface navigation in the areas are considered to be no more than the normal marine hazard.

Several submarine cables, which may best be seen on the chart, extend across the Kattegat, between Denmark and Sweden.

Several passenger ferries frequently cross the Kattegat. They run between Goteborg and Frederikshavn, Varberg and Grenaa, and Halmstad and Arhus. High-speed ferries operating between the mainland and Sjaelland may be encountered in the vicinity of Sjaellands Rev N Light ($56^{\circ}06'N$, $11^{\circ}12'E$.).

(BA NP 18; BA NP 286; Den NM 51/03) 6/04

Page 139—Lines 1 to 59/L; strike out.
(NGA) 6/04

Page 139—Lines 1 to 30/R; strike out.
(NGA) 6/04

COAST PILOT CORRECTIONS

COAST PILOT 1 **33 Ed 2003** **Change No. 22**
LAST NM 1/04

Page 239—Paragraph 308, line 11; read:
west side. A landing is on the south end. A lighted bell buoy
is about 0.3 mile south of the southerly island.
(35/03 CG1; LL/03) 6/04

Page 272—Paragraph 175, lines 1 to 3; read:
Pen-Bar Pilots also offer pilotage for the Kennebec ...
(CL 1742/03) 6/04

COAST PILOT 2 **33 Ed 2004** **Change No. 1**
LAST NM 5/04

Page 99—Paragraph 1485, line 1; read:
Vessels 300 gross tons or less, except for foreign vessels ...
(FR 11/10/03; CL 1732/03) 6/04

Page 100—Paragraph 1531, line 7; read:
estimated arrival and departure date for each destination of
the voyage.
(FR 11/10/03; CL 1732/03) 6/04

Page 100—Paragraph 1544, line 1; read:
(c) *Seventh Coast Guard District.* Those foreign vessels
...
(FR 11/10/03; CL 1732/03) 6/04

Page 102—Paragraph 1548; read:
(3) Times for submitting NOAs are as follows:

If your voyage time is—	You must submit an NOA—
(i) 96 hours or more; or	At least 96 hours before entering the port or place of destination; or
(ii) Less than 96 hours	Before departure but at least 24 hours before entering the port or place of destination.

(FR 11/10/03; CL 1732/03) 6/04

Page 108—Note 1, line 3; read:
requirements are set forth in §§161.21 and 164.46 of this subchapter. The requirements set forth in §§161.21 and 164.46 of this subchapter apply in those areas denoted with a MMSI number.

(FR 10/22/03) 6/04

Page 114—Paragraph 1694; read:

(a) Except as provided in §164.46(a)(2) of this part, including §§164.38 and 164.39, this part does not apply to vessels that:
(FR 10/22/03) 6/04

Page 115—Paragraph 1712, line 1; read:
SN/Circ. 227, Guidelines for the Installation of a ...
(FR 10/22/03)

6/04

Page 120—Paragraph 1889, line 1; read:
(a) Until December 31, 2004, each vessel required to provide ...
(FR 10/22/03) 6/04

Page 121—Paragraph 1907, line 2 to Paragraph 1926; read:
operating procedures are set forth in Part 161 of this chapter.

§164.46 Automatic Identification System (AIS).

(a) The following vessels must have a properly installed, operational, type approved AIS as of the date specified:

(1) Self-propelled vessels of 65 feet or more in length, other than passenger and fishing vessels, in commercial service and on an international voyage, not later than December 31, 2004.

(2) Notwithstanding paragraph (a)(1) of this section, the following, self-propelled vessels, that are on an international voyage must also comply with SOLAS, as amended, Chapter V, regulation 19.2.1.6, 19.2.4, and 19.2.3.5 or 19.2.5.1 as appropriate (Incorporated by reference, see §164.03):

(i) Passenger vessels, of 150 gross tonnage or more, not later than July 1, 2003;

(ii) Tankers, regardless of tonnage, not later than the first safety survey for safety equipment on or after July 1, 2003;

(iii) Vessels, other than passenger vessels or tankers, of 50,000 gross tonnage or more, not later than July 1, 2004; and

(iv) Vessels, other than passenger vessels or tankers, of 300 gross tonnage or more than 50,000 gross tonnage, not later than the first safety survey for safety equipment on or after July 1, 2004, but no later than December 31, 2004.

(3) Notwithstanding paragraphs (a)(1) and (a)(2) of this section, the following vessels, when navigating an area denoted in table 161.12(c) of §161.12 of this chapter, not later than December 31, 2004:

(i) Self-propelled vessels of 65 feet or more in length, other than fishing vessel and passenger vessels certificated to carry less than 151 passengers-for-hire, in commercial service;

(ii) Towing vessels of 26 feet or more in length and more than 600 horsepower, in commercial service;

(iii) Passenger vessels certificated to carry more than 150 passengers-for-hire.

Note to §164.46(a): “Properly installed” refers to an installation using the guidelines set forth in IMO SN/Circ. 227 (incorporated by reference, see §164.03). Not all AIS units are able to broadcast position, course, and speed without the input of an external positioning device (e.g. dGPS); the use of other external devices (e.g. transmitting heading device, gyro, rate of turn indicator) is highly recommended, however, not required except as stated in §164.46(a)(2).

COAST PILOT 2 (Continued)

"Type approved" refers to an approval by an IMO recognized Administration as to comply with IMO Resolution MSC.74(69), ITU-R Recommendation M.1371-1, and IEC 61993-2 (Incorporated by reference, see §164.03). "Length" refers to "registered length" as defined in 46 CFR part 69. "Gross tonnage" refers to tonnage as defined under the International Convention on Tonnage Measurement of Ships, 1969.

(b) The requirements for Vessel Bridge-to-Bridge radio-telephones in §§26.04(a) and (c), 26.05, 26.06 and 26.07 of this chapter, also apply to AIS. The term "effective operating condition" used in §26.06 of this chapter includes accurate input and upkeep of AIS data fields.

(c) The use of a portable AIS is permissible only to the extent that electromagnetic interference does not affect the proper function of existing navigation and communication equipment on board and such that only one AIS unit may be in operation at any one time.

(d) The AIS Pilot Plug, on each vessel over 1,600 gross tons, on an international voyage, must be available for pilot use, easily accessible from the primary conning position of the vessel, and near a 120 Volt, AC power, 3-prong receptacle.

(FR 10/22/03) 6/04

**COAST PILOT 4 35 Ed 2003 Change No. 20
LAST NM 51/03**

Page 283—Paragraph 149, lines 2 to 3; read:
sound just westward of the overhead power cable which crosses the sound. Several fisheries with gasoline ...

(NOS 12205) 6/04

Page 283—Paragraph 150, lines 3 to 7; read:
the shoals at the mouth of the creek. An overhead power cable just above the mouth has a clearance of 49 feet. **Mackeys** is small town 0.5 mile ...

(CL 1767/03; NOS 12205) 6/04

Page 304—Paragraph 74, line 5; read:
frequently shifted in position. In November 2003, the channel was reported not navigable. An unmarked fish haven ...
(44/03 CG5) 6/04

Page 320—Paragraph 18, lines 7 to 12; read:
light. The bar channel is subject to continual change, and the buoys marking it are shifted frequently to mark the best water, and therefore not charted. In 1998-September 2003, the controlling depth in the marked channel leading northward of the eastern end of Waties Island was 3.0 feet from Daybeacon 10 ...

(BPs 181739-42; LL/03; NOS 11534) 6/04

Page 389—Paragraph 88; insert after:
Federal Pilotage is also available for U.S. flag vessels not under registry and to all U.S. public vessels from Jax Federal Pilots, LLC, P.O. Box 18704, Jacksonville, FL 32229; telephone/FAX 904-757-2411; e-mail, jaxfederalpilot@aol.com; website, www.JaxFederalPilot.com.

The Jax Federal Pilot boarding area is about one mile E of

and in the vicinity of St. Johns Lighted Whistle Buoy STJ (the sea buoy). Boarding ladder should be rigged as per SOLAS regulations 6 feet above the water on the vessels lee side. Boarding speed is requested to be 6 to 8 knots. Tugs are often boarded on the lee quarter deck at a safe speed. The pilot station monitors VHF-FM channels 16, 13, and 66A and works on 66A USA. The pilot boat is 28 feet displaying an International Code Flag HOTEL by day, and a white light over a red light by night.

Vessels are requested to report their estimated time of arrival (ETA) at St. Johns Lighted Buoy STJ and their deepest freshwater draft. ETA notice of 72, 48, 24, 12, and 2 hours is requested. Arrangements can be made by telephone/FAX at the above number or e-mail.

(CL 1855/03)

6/04

Page 461—Paragraph 132, lines 4 to 5; read:
connect the waterway with Little River Inlet. In August 2003, a controlling depth of 5.4 feet ...

(BPs 181743-45)

6/04

Page 461—Paragraph 141; read:

At **Mile 358.3**, a fixed highway bridge with a clearance of 65 feet crosses the waterway.

(CL 1392/03)

6/04

SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
NEW YORK TO WAPPINGER CREEK (Chart 12343)							
Hudson River							
37667	- Lighted Buoy 2	40 51 13 N 73 56 48 W	Fl R 2.5s	37	4	Red.	Replaced by LIB when endangered by ice.
				*			*
37669	- Lighted Buoy 3	40 53 19 N 73 55 39 W	Fl G 2.5s	30	4	Green.	Replaced by LIB when endangered by ice.
				*			*
							6/04

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
LITTLE EGG INLET TO HEREFORD INLET (Charts 12318)							
Little Egg Inlet							
<i>Positions of buoys frequently shifted with changing conditions.</i>							
1100 35	- Outer Lighted Whistle Buoy LE	39 26 48 N 74 17 22 W	Mo (A) W	6	Red and white stripes with red spherical topmark.		
		*					6/04
2165	- Buoy 24				Red nun.		
		*					6/04
5345	- LIGHT 16	37 53 59 N 75 24 27 W	Fl R 4s	15	3	TR on pile.	
				*			6/04
9230	- Lighted Buoy 6		Fl R 4s	4	Red.		
			*				6/04
Craney Island Disposal Area							
9570	- Daybeacon 8				TR on pile.		
				*			6/04
9695	- CREEK LIGHT 14		Fl R 2.5s	15	3	TR on pile.	
		*					6/04
*11537	- Daybeacon 3				SG on pile.	Private aid.	
							6/04
12885	- LIGHT 9		Fl G 4s	12	SG on pile.	Private aid.	
		*					6/04
13455	YORK SPIT LIGHT	37 12 35 N 76 15 15 W	Fl W 6s	30	8	NR on multi-pile structure.	
		*					6/04

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 II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14981	- Channel Lighted Buoy 6		Fl R 2.5s		3	Red.	
	*						6/04
16085	- LIGHT 6		Fl R 4s		15	TR on pile.	
	*						6/04
16090	Indian Creek Daybeacon 7	37 41 07 N 76 20 01 W				SG on pile.	
	*						6/04
Great Wicomico River							
16180	- Lighted Buoy 1GW	37 46 56 N 76 12 13 W	Fl G 4s		4	Green.	
	*						6/04
16255	COCKRELL CREEK LIGHT 1	37 49 10 N 76 17 04 W	Fl G 4s		15	4 SG on multi-pile structure.	
						*	
16760	- WEST CHANNEL LIGHT 1	38 08 01 N 76 30 15 W	Fl G 4s		15	5 SG on pile.	Higher intensity beam across Potomac River.
	*				*		
16975	- LIGHT 4	38 07 29 N 76 38 22 W	Fl R 4s		17	3 TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
					*		
							6/04
St. Catherine Sound Upper Entrance							
17270	- LIGHT 2U	38 15 21 N 76 48 36 W	Fl R 4s		15	4 TR on pile.	
					*		
							6/04
18670	- Daybeacon 4					TR on pile.	
	*					*	
							6/04
18675	- Daybeacon 6					TR on pile.	
	*					*	
							6/04
18680	- Daybeacon 8					TR on pile.	
	*					*	
							6/04
18685	- Daybeacon 10					TR on pile.	
	*					*	
							6/04
19158	UMCES Lighted Data Buoy PX	38 23 32 N 76 31 59 W	Fl Y 4s			Yellow.	Private aid. Maintained from May 1 to Nov. 1.
	*						
							6/04

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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
19285	- LIGHT 1 50 feet outside channel limit.	38 41 31 N 76 31 16 W	Fl G 4s	15	3	SG on pile.	*
							6/04
	Rhode River						
19515	- ENTRANCE LIGHT 2	38 52 00 N 76 30 47 W	Fl R 4s	15	4	TR on multi-pile structure.	*
							6/04
19762	NAVAL ANCHORAGE LIGHT A		Fl Y 2.5s	15	5	NY on multi-pile structure.	*
							6/04
19837.1	- Buoy 2				Red nun.	Private aid.	
		*					6/04
	Magothy River						
20095	- ENTRANCE LIGHT 2	39 03 22 N 76 25 47 W	Fl R 4s	15	3	TR on multi-pile structure.	*
							6/04
	Grays Creek						
20135	- Entrance Daybeacon 2	39 05 12 N 76 27 35 W			TR on pile.		
		*					6/04
20270	- LIGHT 13	39 04 55 N 76 30 58 W	Fl G 2.5s	15	4	SG on multi-pile structure.	*
							6/04
20540	- Warning Daybeacon				NW on pile worded DANGER SUBMERGED PILE.		*
							6/04
21050	-Lighted Buoy 3		Fl G 4s	4	Green.		
		*					6/04
21233	- Buoy 4				Red nun.		
		*					6/04
	Big Annemessex River						
23280	- LIGHT 1	38 02 10 N 75 52 09 W	Fl G 2.5s	18	4	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*					6/04
	Daugherty Creek						
23360	- LIGHT 1	38 03 15 N 75 50 33 W	Fl G 4s	19	4	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*	*				6/04

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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
23840	- CHANNEL LIGHT 27	38 16 00 N 75 47 46 W	Fl G 2.5s	15	4	SG on multi-pile structure.	
				*			6/04
23845	- CHANNEL LIGHT 28		Fl R 6s	15	4	TR on pile.	
				*			6/04
23905	- CHANNEL LIGHT 39	38 20 25 N 75 42 46 W	Fl G 4s	15	4	SG on pile.	Light equipment removed when endangered by ice.
		*			*		6/04
24335	- LIGHT 66		Fl R 4s	15	4	TR on pile.	
		*					6/04
24975	- CHANNEL LIGHT 20	38 36 01 N 76 06 53 W	Fl R 4s	15	4	TR on multi-pile structure.	
				*			6/04
25316.01	Upper Choptank River Buoy 1	38 53 25 N 75 49 58 W			Green can.	Private aid.	
				*			6/04
26413	- LIGHT 1K	38 59 13 N 76 14 45 W	Q G	15	3	SG on multi-pile structure.	
				*			6/04
28805	- JUNCTION LIGHT HR	35 13 18 N 75 41 43 W	Fl (2+1) R 6s	15	3	JR on pile.	
				*			6/04
28865	- LIGHT 42RC		Fl R 2.5s	15	5	TR on multi-pile structure.	Ra ref.
				*			6/04
29083	- LIGHT 13		Fl G 2.5s	15	3	SG on multi-pile structure.	
		*					6/04
29240	- Buoy 24				Red nun.		
		*					6/04
*Add Heading and Note: *Old Topsail Creek							
*Due to frequently changing conditions positions of aids are not listed.							
*30140.1	- Buoy 10				Red nun.		
							6/04
*30140.12	- Buoy 12				Red nun.		
							6/04
*30140.14	- Buoy 14				Red nun.		
							6/04

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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
*30140.16	- Buoy 16				Red nun.		6/04
*30140.17	- Buoy 17				Green can.		6/04
*30140.18	- Buoy 18				Red nun.		6/04
*30140.19	- Buoy 19				Green can.		6/04
*30140.21	- Buoy 20				Red nun.		6/04
*30140.22	- Buoy 22				Red nun.		6/04
*30140.23	- Buoy 23				Green can.		6/04
30307	- Buoy 11				Green can.		
	*				*		6/04
30405	SOUTHPORT CHANNEL RANGE FRONT LIGHT	33 54 26 N 78 01 23 W	Q W	19	KWR on multi-pile structure.	Visible all around; higher intensity on rangeline.	
	*	*			*		6/04
30705	- CHANNEL LIGHT 38		Q R	17	7 TR on multi-pile structure.	Higher intensity beam up and down channel. Ra ref.	
	*				*		6/04
30815	- Channel Lighted Buoy 55 50 feet outside channel limit.		Fl G 4s	4	Green.		
	*						6/04
30930	FOURTH EAST JETTY RANGE REAR LIGHT 173 yards, 183.7° from front light.		Iso W 6s(Day) Iso W 6s(Night)	36 39	Skeleton tower on multi-pile structure.	Lighted throughout 24 hours. DAY: Visible on rangeline only. NIGHT: Visible all around; higher intensity on rangeline.	
	*				*		6/04
CAPE HENRY TO PAMLICO SOUND (Chart 12205)							
Albemarle Sound							
31485	- LIGHT 1AS	36 02 39 N 76 04 30 W	Fl G 6s	16	6 SG on pile.		
	*						6/04
31933	- LIGHT 7		Q G	15	4 SG on pile.		
	*						6/04

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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
31935	- LIGHT 8	35 53 09 N 75 43 05 W	FIR 4s	15	3	TR on pile.	
	*	*					6/04
32035	- CHANNEL LIGHT 11		FIG 4s	15	4	SG on pile.	
					*		6/04
32100	PINGLETON SHOAL LIGHT 1PS	35 32 45 N 75 51 12 W	FIG 4s	15	4	SG on pile.	
					*		6/04
Far Creek Channel							
32105	- LIGHT 1FC 20 feet outside channel limit.	35 30 27 N 75 56 59 W	FIG 2.5s	15	4	SG on multi-pile structure.	
		*					6/04
Pamlico River							
33210	- LIGHT 3	35 22 19 N 76 38 49 W	FIG 4s	15	4	SG on multi-pile structure.	Ra ref.
		*					6/04
33595 38275	- LIGHT 4		FIG 2.5s	15	5	TR-TY on pile.	Ra ref.
					*		6/04
Turnagain Bay							
33650	Cockle Point Warning Daybeacon	35 02 55 N 76 37 59 W				NW on pile; worded DANGER SUBMERGED WRECK.	
		*					6/04
*Add Heading: *Erie Harbor							
*34803	- Buoy 1					Green can.	
							6/04
Newport River							
Beaufort Harbor Channel							
34805	- Lighted Buoy 2	34 42 15 N 76 40 42 W	FIG 2.5s		3	Red.	
		*					6/04
34810	- LIGHT 1A	34 42 17 N 76 40 41 W	FIG 4s	15	4	SG on pile.	
		*					6/04
35095	- LIGHT 34	39 56 19 N 74 06 20 W	QR	17	3	TR-TY on pile.	
		*					6/04

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 Denotes a new entry when preceding the station number.

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
LITTLE EGG HARBOR TO CAPE MAY (Chart 12316)							
Manasquan - Atlantic City							
New Jersey Intracoastal Waterway							
	<i>Lights and buoys are maintained from May 1 to Nov. 15. Positions of buoys frequently shifted with changing conditions.</i>						
35390	- LIGHT 99		Fl G 4s	15	4	SG-SY on pile.	
				*			6/04
35430	- LIGHT 109	39 33 19 N 74 15 28 W	Fl G 4s	15	4	SG-SY on pile.	
				*			6/04
35460	- LIGHT 115		Fl G 4s	15	4	SG-SY on pile.	
				*			6/04
35500	- LIGHT 126		Q R	15	4	TR-TY on multi-pile structure.	
				*			6/04
35605	- LIGHT 149	39 28 23 N 74 23 14 W	Fl G 4s	15	4	SG-SY on pile.	
				*			6/04
35695	- LIGHT 172	39 25 47 N 74 25 04 W	Fl R 4s	15	3	TR-TY on pile.	
				*			6/04
35700	- LIGHT 173	39 25 34 N 74 25 20 W	Fl G 4s	15	4	SG-SY on pile.	
				*			6/04
35705	- LIGHT 174		Fl R 6s	15	4	TR-TY on pile.	
	*			*			6/04
35725	- Daybeacon 178	39 24 17 N 74 26 06 W				TR-TY on pile.	
		*					6/04
35770	- LIGHT 189		Fl G 4s	15	3	SG-SY on pile.	
							6/04
35860	- LIGHT 219		Fl G 4s	15	4	SG-SY on pile.	
				*			6/04
35880	- LIGHT 225		Fl G 4s	15	4	TR-TY on pile.	
				*			6/04
35990	- Daybeacon 256					<i>Remove from list.</i>	
						*	6/04

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Denotes a new entry when preceding the station number.

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
36045	- LIGHT 275		Fl G 4s	15	4	SG-SY on pile. *	6/04
37160	- LIGHT 2		Fl R 4s	15	3	TR-TY on pile. *	6/04
37165	- LIGHT 3		Fl G 4s	15	4	SG-SY on pile. *	6/04
37170	- LIGHT 4		Fl R 4s	15	3	TR-TY on pile. *	6/04
37205	- LIGHT 14		Fl R 4s	15	3	TR-TY on pile. *	6/04
37310	- LIGHT 18		Fl R 4s	15	3	TR-TY on pile. *	6/04
37480	- LIGHT 73		Fl G 6s	15	4	SG-SY on pile. *	Light equipment removed from Dec. 1 to Mar. 15. 6/04
37622	- Daybeacon 119					SG-SY on pile. *	6/04
*37853	- Buoy 9					Green can. *	6/04
38905	- LIGHT 17	34 43 30 N 76 51 40 W	Fl G 2.5s	15	3	SG-SY on pile. *	6/04
39910 30665	- Channel Lighted Buoy 30		Fl R 4s	15	3	Red nun. *	6/04
40030 30465	LOWER SWASH CHANNEL RANGE REAR LIGHT 767 yards, 055.1° from front light.		Iso W 6s (day) Iso W 6s (night)	28 31		Skeleton tower on multi-pile structure. *	Lighted throughout 24 hours. Day: Visible on rangeline only. Night: Visible all around; higher intensity on rangeline. 6/04

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
*52	U.S. Geological Survey Lighted Buoy C	33 46 28 N 78 40 54 W	Fl Y 4s			Yellow.	Private aid. 6/04

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
*53	<i>U.S. Geological Survey Lighted Buoy D</i>	33 42 25 N 78 45 39 W	Fl Y 4s		2	Yellow.	Private aid. 6/04
*54	<i>U.S. Geological Survey Lighted Buoy E</i>	33 43 21 N 78 46 45 W	Fl Y 4s		2	Yellow.	Private aid. 6/04
*57	<i>U.S. Geological Survey Lighted Buoy B</i>	33 38 57 N 78 50 57 W	Fl Y 4s		2	Yellow.	Private aid. 6/04
*59	<i>U.S. Geological Survey Lighted Buoy A</i>	33 39 00 N 78 47 00 W	Fl Y 4s		2	Yellow.	Private aid. 6/04
515 6030	<i>St. Simons Lighted Whistle Buoy STS</i>	31 02 49 N 81 14 25 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	RACON: B (-•••). 6/04
1505.5 25680.5	CLEARWATER PASS CHANNEL LIGHT 2	27 58 07 N 82 50 18 W	Fl R 2.5s		16	TR on pile.	 6/04
		*					
ST. SIMONS SOUND (Chart 11506)							
St. Simons Sound							
6030 515	<i>St. Simons Lighted Whistle Buoy STS</i>	31 02 49 N 81 14 25 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	RACON: B (-•••). 6/04
25680.5 1505.5	CLEARWATER PASS LIGHT 2	27 58 07 N 82 50 18 W	Fl R 2.5s		16	TR on pile.	 6/04
		*					
Coral Harbor Channel							
32815	- Buoy 1	18 20 23 N 64 42 32 W				Green can.	Private aid. 6/04
		*					
*38353	- Daybeacon 3					SG-SY on pile. On same structure as Mile Point Jetty West Daybeacon.	 6/04

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
335 8390	<i>Ship Island Light</i>	30 12 45 N 88 57 59 W	Fl W 6s	30	6	Skeleton tower on block. On same structure as Gulfport Ship Channel Upper Reach Outbound Range Rear Light.	
		*		*	*	*	 6/04

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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
4075 31570	- NAVY RANGE FRONT LIGHT	30 20 04 N 87 18 59 W	Fl G 2.5s Fl G 2.5s	34 36	3	KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline. *
							6/04
5113	- LOWER REACH OUTER RANGE REAR PASSING LIGHTS (2)		Fl W 4s	23	6	On same structure as Mobile Channel Lower Reach Outer Range Rear Light.	
						*	6/04
5260	- LOWER REACH RANGE FRONT LIGHT	30 26 24 N 88 00 44 W	Q W Q W	26 28	6	KGR on skeleton tower on piles.	Visible all around; higher intensity 2° each side of range line. *
							6/04
5265	- LOWER REACH RANGE REAR LIGHT 2,196 yards, 007.1° from front light.		Oc W 4s	63		KGR on skeleton tower on piles.	Visible 2° each side of range line. *
							6/04
5425	- LIGHT 76 200 feet outside channel limit.	30 37 45 N 88 01 52 W	Fl R 2.5s	17	4	TR on pile.	Ra ref. *
							6/04
6548 5443	- ARLINGTON CHANNEL OUTBOUND RANGE FRONT RANGE LIGHT	30 38 29 N 88 01 47 W	Q W	24	4		Visible all around; higher intensity on rangeline. Ra ref. * * * *
							6/04
7065	- RANGE B FRONT LIGHT	30 16 57 N 88 30 33 W	Q W Q W	25 27	5	KRW on skeleton tower on piles.	Visible all around; higher intensity on range line. *
							6/04
7073	- RANGE B REAR PASSING LIGHT		Fl W 4s	65	5	On same structure as Pascagoula Channel Range B Rear Light.	
						*	6/04
8390 335	Ship Island Light	30 12 45 N 88 57 59 W	Fl W 6s	30	6	Skeleton tower on concrete block. On same structure as Ship Channel Upper Reach Outbound Range Rear Light.	
						*	6/04
15340	- LIGHT 6 350 feet outside channel limit.		Fl R 6s	17	4	TR on dolphin.	Ra ref. *
							6/04
15948	- LIGHT 1		Fl G 4s	17	4	SG on pile.	Ra ref. *
							6/04
17705 760	Oyster Bayou Light	29 12 52 N 91 07 43 W	Fl W 6s	30	7	NB on skeleton tower on piles.	Ra ref. *
							6/04

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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
WAX LAKE OUTLET TO FORKED ISLAND (Chart 11350)							
West Cote Blanche Bay							
Charenton Canal Entrance							
19290	JAWS ENTRANCE LIGHT 1	29 44 13 N 91 37 32 W	Fl G 2.5s	17	4	SG on skeleton tower on piles.	Higher intensity on bearing 225°. *
							6/04
20931	- LIGHT 10 30 yards outside channel limit.						Remove from list. *
							6/04
20933	- LIGHT 12 40 yards outside channel limit.						Remove from list. *
							6/04
24025	- LIGHT 109 100 feet outside the channel limit.	29 43 16 N 95 01 20 W	Fl G 4s	17	5	SG on pile.	Ra ref. *
							6/04
*24029	- LIGHT 109A 100 feet outside channel limit.	29 43 25 N 95 01 24 W	Fl G 6s	17	4	SG on pile.	Ra ref. 6/04
24040	BAYTOWN BEND LIGHT 113						Remove from list. *
							6/04
*24100.0 4	- LIGHT 111A 130 feet outside channel limit.	29 43 44 N 95 01 53 W	Fl G 2.5s	17	4	SG on pile.	Ra ref. 6/04
*24102	- LIGHT 113 110 feet outside channel limit.	29 43 46 N 95 02 16 W	Fl G 4s	17	4	SG on pile.	Ra ref. 6/04
*24107	- LIGHT 113B 135 feet outside channel limit.	29 43 49 N 95 02 38 W	Fl G 4s	17	4	SG on pile.	Ra ref. 6/04
24130	- Buoy 115						Remove from list. *
							6/04
28240	- RANGE REAR LIGHT 825 yards, 056.4° from front light.		Iso G 6s	67	KRW on skeleton tower. On same structure as Brazos Santiago Pass Light.		Visible 2° each side of rangeline. 6/04
28350 40740	- RANGE C FRONT LIGHT	26 02 16 N 97 12 43 W	Q G Q G	25 27	3	KRW-I on skeleton tower on piles.	Visible all around; higher intensity on range line. 6/04

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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
28355 40745	- RANGE C REAR LIGHT 1,557 yards, 063° from front light.		Iso G 6s	65		KRW on skeleton tower on piles. Visible 2° each side of rangeline.	
	*		*				6/04
28385 40775	- RANGE E REAR LIGHT 1,765 yards, 058.2° from front light.		Iso W 6s	63		KRW on skeleton tower on piles. Visible 2° each side of rangeline.	
	*						6/04
28395 40785	- RANGE B FRONT LIGHT	26 00 52 N 97 15 46 W	Q R Q R	25 27	3	KRW-I on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
	*		*	*	*		*
28400 40790	- RANGE B REAR LIGHT 1,821.5 yards, 243° from front light.		Iso R 6s	75		KRW on skeleton tower on piles. Visible 2° each side of rangeline.	
	*						6/04
28420 40825	- RANGE D FRONT LIGHT	25 58 28 N 97 19 57 W	Q W Q W	25 27	5	KRW-I on skeleton tower.	Visible all around; higher intensity on rangeline.
							6/04
28425 40830	- RANGE D REAR LIGHT 1,567 yards, 238.2° from front light.		Iso W 6s	67		KRW on skeleton tower.	
	*						6/04
28435 40815	- RANGE G FRONT LIGHT	29 58 44 N 97 19 22 W	Q G Q G	25 27	3	KRW-I on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
	*						6/04
28440 40820	- RANGE G REAR LIGHT 1,667 yards, 068.7° from front light.		Iso G 6s	58		KRW on skeleton tower.	Visible 2° each side of rangeline.
	*						6/04
33746	- DEVILS ELBOW LIGHT 3 88 yards outside channel limit.		Fl G 2.5s	17	3	SG-SY on pile.	Ra ref.
	*				*		*
33747	DEVILS ELBOW LIGHT 2 72 yards outside channel limit.		Oc R 4s	17	3	TR-SY on pile.	Ra ref.
					*		*
33748	DEVILS ELBOW LIGHT 1 90 yards outside channel limit.	30 05 49 N 93 19 14 W	Oc G 4s	17	3	SG-TY on pile.	Ra ref.
					*		*
40745 28355	- RANGE C REAR LIGHT 1,557 yards, 063° from front light.		Iso G 6s	65		KRW on skeleton tower on piles. Visible 2° each side of rangeline.	
	*		*				6/04

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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
40775 28385	- RANGE E REAR LIGHT 1,765 yards, 058.2° from front light.		Iso W 6s	63		KRW on skeleton tower on piles.	Visible 2° each side of rangeline. *
							6/04
40790 28400	- RANGE B REAR LIGHT 1,821.5 yards, 243° from front light.		Iso R 6s	75		KRW on skeleton tower on piles.	Visible 2° each side of rangeline. *
							6/04
40820 28440	- RANGE G REAR LIGHT 1,667 yards, 068.7° from front light.		Iso G 6s	58		KRW on skeleton tower.	Visible 2° each side of rangeline. *
							6/04
40830 28425	- RANGE D REAR LIGHT 1,567 yards, 238.2° from front light.		Iso W 6s	67		KRW on skeleton tower.	 *
							6/04

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
690	<i>Columbia River Approach</i> <i>Lighted Whistle Buoy CR</i>	46 11 05 N 124 11 03 W	Mo (A) W		5	Red and white stripes.	RACON: M (- -).
							*
							6/04
4480	- <i>Lighted Mooring Buoy A</i>	37 49 43 N 122 21 11 W	Fl W 2s				Private aid. *
							6/04
4480.1	- <i>Lighted Mooring Buoy B</i>	37 49 55 N 122 21 16 W	Fl W 2s				Private aid. *
							6/04
4480.2	- <i>Lighted Mooring Buoy C</i>	37 50 11 N 122 21 19 W	Fl W 2s				Private aid. *
							6/04
4480.3	- <i>Lighted Mooring Buoy D</i>	37 50 22 N 122 21 38 W	Fl W 2s				Private aid. *
							6/04
4480.4	- <i>Lighted Mooring Buoy E</i>	37 50 32 N 122 21 48 W	Fl W 4s				Private aid. *
							6/04
4480.5	- <i>Lighted Mooring Buoy F</i>	37 49 44 N 122 21 22 W	Fl W 2s				Private aid. *
							6/04

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SECTION II

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
4480.6	- Lighted Mooring Buoy G	37 49 52 N 122 21 28 W	Fl W 2s				Private aid. *
							6/04
*4480.7	- Lighted Mooring Buoy H	37 50 01 N 122 21 32 W	Fl W 2s				Private aid. 6/04
*4480.8	- Lighted Mooring Buoy I	37 50 07 N 122 21 42 W	Fl W 2s				Private aid. 6/04
*4480.9	- Lighted Mooring Buoy J	37 49 37 N 122 20 52 W	Fl W 2s				Private aid. 6/04
*4481	- Lighted Mooring Buoy K	37 49 43 N 122 20 57 W	Fl W 2s				Private aid. 6/04
*4481.1	- Lighted Mooring Buoy L	37 49 52 N 122 21 02 W	Fl W 2s				private aid. 6/04
*4481.2	- Lighted Mooring Buoy M	37 50 01 N 122 21 08 W	Fl W 2s				Private aid. 6/04
*4481.3	- Lighted Mooring Buoy N	37 50 09 N 122 21 14 W	Fl W 2s				Private aid. 6/04
9605	- SOUTH JETTY LIGHT 4	44 36 34 N 124 04 46 W	Fl R 2.5s	20	3	Red pile structure.	Due to heavy weather conditions, the dayboards have been permanently removed from this aid. *
							6/04
9856	- LIGHT 14	45 33 11 N 123 55 12 W	Fl R 4s	17	3	TR on pile.	*
							6/04
10225	- Channel Lighted Buoy 10	46 15 28 N 123 38 56 W	Q R	4	Red.		*
							6/04
10660	STELLA RANGE FRONT LIGHT	46 11 17 N 123 07 27 W	Q G	20		Skeleton tower on pile structure.	Visible all around; higher intensity on rangeline. *
							6/04
10985	- UPPER RANGE FRONT LIGHT	45 56 19 N 122 48 10 W	Q W	17		KRB on pile structure.	Visible all around; higher intensity on rangeline. *
							6/04

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SECTION II

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
11185	HEWLETT DIKE LIGHT 33	45 41 10 N 122 46 10 W	Fl G 4s	37	4	SG on dolphin.	
		*					6/04
13530	- LIGHT 9	46 35 51 N 118 28 40 W	Fl G 6s	16	4	SG on platform.	
		*					6/04
13580	- LIGHT 21	46 36 31 N 118 18 39 W	Fl G 2.5s	18	3	SG on platform.	
		*					6/04
14480	- LIGHT 17	46 17 21 N 124 03 02 W	Fl G 4s	15	4	SG on dolphin.	Ra ref.
		*					6/04
14505	- Daybeacon 23	46 17 54 N 123 02 28 W				SG on pile.	Ra ref.
		*					6/04
14515	ILWACO MOORING BASIN LIGHT 3	46 18 05 N 124 02 30 W	Fl G 4s		4	SG on pile.	
		*			*		6/04
Chinook Channel							
14520	- LIGHT 1	46 15 32 N 123 58 10 W	Fl G 2.5s	14	3	SG on dolphin.	Ra ref.
		*					6/04
14525	- LIGHT 2	46 15 47 N 123 57 39 W	Fl R 4s	15	6	TR on platform.	Higher intensity inbound. Ra ref.
		*			*		6/04
Hammond Boat Basin							
14540	- West Breakwater Daybeacon 2	46 12 17 N 123 56 59 W				TR on pipe.	
		*					6/04
14755	- LIGHT 5	46 11 53 N 123 40 56 W	Fl G 4s	18	4	SG on dolphin.	Ra ref.
		*					6/04
HARRINGTON POINT TO CRIMS ISLAND (Chart 18523)							
Cathlamet Bay Prairie Channel							
14765	- LIGHT 10	46 10 48 N 123 40 28 W	Fl R 2.5s	16	3	TR on dolphin.	
		*			*		6/04
14770	- Daybeacon 12	46 10 43 N 123 40 13 W				TR on pile.	
		*					6/04

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SECTION II

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
14790	- Daybeacon 17	46 12 46 N 123 37 54 W				SG on pile structure.	Ra ref.
		*					6/04
14800	MARSH ISLAND LIGHT 21	46 12 51 N 123 37 12 W	Fl G 2.5s	15	4	SG on dolphin.	
		*					6/04
14835	SAUVIE ISLAND JUNCTION LIGHT	45 51 39 N 122 47 27 W	Fl (2+1) R 6s	35	3	JR on pile structure.	
		*	*				6/04
14918	- Lighted Buoy 12	45 37 18 N 122 47 36 W	Fl R 4s		4	Red.	
		*					6/04
15225	Cedar River Flats Daybeacon 2	46 42 08 N 123 57 40 W		20		TR on pile structure.	
		*					6/04
Willapa River							
15240	- LIGHT 1	46 41 50 N 123 57 31 W	Fl G 2.5s	15	4	SG on dolphin.	
		*					6/04
15260	- CHANNEL LIGHT 7	46 41 44 N 123 56 18 W	Fl G 4s	15	4	SG on pile.	
		*			*		6/04
15265	- LIGHT 8	46 41 28 N 123 55 44 W	Fl R 4s	20	4	TR on pile.	
		*					6/04
15270	- CHANNEL LIGHT 10	46 41 48 N 123 55 04 W	Fl R 6s	15	4	TR on pile.	
		*					6/04
15280	- RANGE B FRONT LIGHT	46 42 34 N 123 51 18 W	Q W	18	6	KRB on pile structure.	Visible all around; higher intensity on rangeline.
		*			*		6/04
15290	- Daybeacon 15	46 42 05 N 123 53 59 W				SG on pile.	
		*					6/04
15295	- CHANNEL LIGHT 19	46 42 11 N 123 53 17 W	Fl G 6s	15	4	SG on dolphin.	Higher intensity beam up and down channel.
		*					6/04
15315	- Daybeacon 28	46 42 23 N 123 53 17 W				TR on pile.	
		*					6/04

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SECTION II

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
15360	- Channel Daybeacon 44	46 40 11 N 123 48 53 W				TR on pile structure.	
		*					6/04
	Puget Sound						
16550	Point No Point Light	47 54 44 N 122 31 37 W	Fl (3) W 10s 0.1s fl 1.9s 0.1s fl 1.9s 0.1s fl 5.9s	27	17	White octagonal tower on building. 20	Emergency light Iso W 6s, operates at reduced intensity. Lighted throughout 24 hours. HÖRN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si).
		*					6/04
17775	Case Shoal Daybeacon	47 51 35 N 122 40 29 W		12		NW on pile worded DANGER SHOÅL.	
		*					6/04
18303	CARILLON POINT MARINA SOUTH ENTRANCE LIGHT	47 39 17 N 122 12 33 W	Fl Y 4s	5		On breakwater.	Private aid.
		*	*				6/04
18586	- Buoy 7	48 01 10 N 122 12 56 W				Green can.	
		*	*				6/04
18590	- CHANNEL LIGHT 8	48 01 07 N 122 12 48 W	Fl R 4s	15	5	TR on pile.	
		*	*				6/04
20128	<i>Navy Lighted Mooring Buoy B4</i>	48 05 07 N 116 29 20 W	Q Y			White can with orange markings. Navy maintained.	
		*					6/04
28025	Pepeekeo Point Light	19 50 50 N 155 04 58 W	Oc W 4s	147	13	NB on steel monopole. 75	
		*					6/04
28458	- <i>Acoustic Range Lighted Buoy</i>					Remove from list.	
		*					6/04
28675.1	Mokapu Peninsula WEBC Light F	21 27 55 N 157 45 03 W	Fl Y 4s	27		Yellow steel tripod.	Private aid.
		*					6/04
28750	- <i>Channel Lighted Buoy 17</i>	21 27 54 N 157 49 25 W	Q G	4		Green.	
		*					6/04
29654	- HARBOR ENTRANCE CHANNEL LIGHT 4 75 feet outside channel limit.	21 19 08 N 158 07 28 W	Fl R 2.5s	25	4	TR on pile.	
		*					6/04

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SECTION II

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
29654.1	- HARBOR ENTRANCE CHANNEL LIGHT 5	21 19 13 N 158 07 31 W	F I G 2.5s	25	5	SG on dolphin.	*
							6/04
29950	- RANGE FRONT LIGHT	28 13 51 N 177 21 17 W	Q W	25		KRW on pile structure.	*
							6/04

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4220	- LIGHT 2		F I R 2.5s	30 9	5	TR on post.	*
							6/04
17210	- Canoe Channel Daybeacon 8 Marks rock.					TR on skeleton tower.	*
							6/04
20675	- SOUTH PIERHEAD LIGHT		F I W 4s	33 10	33 10 21	On gray pole with concrete base. Private aid.	*
							6/04
21830	- <i>Southeast Lighted Bell Buoy 6</i>	45 09 03 N 87 15 00 W	F I R 4s	4	Red.	Replaced by smaller nun from Oct. 14 to May 1.	*
							6/04

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
-Bay of Exploits:							
1240 -Surgeon Cove. <i>H 0656</i>		49° 31.0' N 55° 07.0' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	242 74		Round tower, red and white stripes; 14.	
	*		*		*	*	*
1940 -Branch W. breakwater. <i>H 0433</i>		46° 53.0' N 53° 57.0' W	Oc.G. period 6s lt. 4s, ec. 2s	7 2	4	Round mast; 6.	Seasonal. Whistle: 1 bl. ev. 30s. In operation 0400-2200 (approx.) each day during foggy weather, later if required by fishermen.
	*		*	*	*	*	
*3640 -Monument Price Range, front. <i>J 3640.1</i>		48° 25.8' N 71° 02.6' W	F.G.	53 16	6	Skeleton tower, fluorescent orange daymark, black stripe; 55.	Visible on range line only. Private light.
							6/04
*3640.1 -Rear, 118.4 meters 232°10' from front. <i>J 3640.1</i>		48° 25.7' N 71° 02.7' W	F.G.	79 24	16	Skeleton tower, fluorescent orange daymark, black stripe; 11.	Visible on range line only. Private light.
							6/04
6600 St. Jean Port Joli. <i>H 2226</i>		47° 12.9' N 70° 16.5' W	Fl.G. period 6s fl. 1s, ec. 5s	20 6	6	Red and white square tower; 16.	Seasonal.
				*	*	*	*
8576 Caribou Point. <i>H 1272</i>		45° 45.9' N 62° 40.9' W	Fl.(3)W. period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	44 13	9	White square tower, red upper portion; 41.	Emergency light.
	*		*	*	*	*	
16879.7 -Guaranao. <i>J 6299</i>		11° 40.0' N 70° 12.8' W	Fl.(2)R.G. period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	117 36	11	Orange hexagonal fiberglass tower, white band; 33.	G. 040°-050°, R.-040°.
							*
17024 -Cerro Walker. <i>J 6426</i>		11° 48.9' N 66° 11.0' W	Fl.W. period 5s fl. 1s, ec. 4s	518 158	19	White hexagonal fiberglass tower, orange bands; 20.	
RACON			0(---)				
			*				
							6/04

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7272 -NE. corner. <i>F 5953.6</i>		34° 31.8' N 135° 22.9' E	Fl.R. period 3s	59 18	7	Red round concrete tower; 52.	
	*		*		*		

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 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19080 <i>F 3660</i>	Tasanpang Shan.	27° 52.3' N 121° 10.5' E	Fl.W. period 4s	174 53	7	White square pyramidal concrete structure; 12.	
		*		*			6/04
30212 <i>E 5997.2</i>	--Detached breakwater, E. head.	29° 56.2' N 32° 33.3' E	Q.W.	26 8	5	Black and white metal structure.	
				*			6/04

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
3148 <i>D 2018</i>	Aver-o-mar Range, front.						Remove from list.
				*			6/04
3152 <i>D 2018.1</i>	-Rear, about 81 meters E. from front.						Remove from list.
				*			6/04
4580 <i>E 0127</i>	-Las Losas, about 2 km. 343° from Isloite Escombrera.						Remove from list.
				*			6/04
4588 <i>E 0128</i>	-Dique de Navidad (Oestre), head.	37° 35.1' N 0° 59.1' W	Fl.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 15	10	White tower, red top; 36.	
				*			6/04
*4590 <i>E 0130.3</i>	-Espalmador, floating breakwater, head.	37° 35.3' N 0° 59.3' W	Q.R.		1	Red column.	
							6/04
4593 <i>E 0130.5</i>	-Muelle del Carbon.	37° 35.4' N 0° 59.2' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	3	Red post; 16.	
				*			6/04
4595 <i>E 0132</i>	-Dique-muelle de Santiago, head.	37° 35.9' N 0° 58.4' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	1	Red column; 13.	
				*			6/04
5940 <i>E 0470</i>	Cabo de San Sebastian.	41° 53.9' N 3° 12.1' E	Fl.W. period 5s fl. 0.2s, ec. 4.8s	548 167	32	White round tower on white dwelling, red roof; 42.	Visible 197°-165°. Aeromarine light.
				*			6/04

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Denotes a new entry when preceding the station number.

SECTION II

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
*15582	-Olympic Sailing Center, entrance.	37° 52.9' N 23° 43.4' E	Fl.G. period 4s	23 7	3	Metal framework tower, red band.	
							6/04
17772	Ostrov Zmeinyy. E 5036	45° 14.9' N 30° 11.9' E	Fl.W. period 4.5s fl. 1.5s, ec. 3s	177 54	17	White tower; 59.	Reserve light Fl.(3)W. 15s 15M.
							*
							6/04

CORRECTIONS TO PUB 113, RADIOBEACONS, 2003 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
470	Cabo San Sebastian Light Station						Remove from list.
							*
							6/04
990	Ostrov Zmeinyy Light Station						Remove from list.
							*
							6/04

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
8068	-Tillingeo Range, front. C 7295	57° 17.0' N 16° 31.0' E	Oc.W.R.G. period 10s lt. 8s, ec. 2s	23 7	W. 14 R. 11 G. 10	Red hut.	R. 264°-282°, G.-288°, W.- 290°30', R.-318°, G.-339°, R.- 020°.
							*
							6/04
8072	--Rear, 650 meters 289°30' from front. C 7295.1	57° 17.1' N 16° 30.3' E	Oc.W. period 10s	59 18	14	Red rectangular daymark, white border.	
							*
							6/04
10448	-Norrundai Range, front. C 6156	60° 56.5' N 17° 09.6' E	Iso.R. period 4s	26 8	8	White tower, gallery, red daymark, black stripe.	
		*			*		*
							6/04
10452	--Rear, 130 meters 244°12' from front. C 6156.1	60° 56.4' N 17° 09.5' E	Q.R.	36 11	7	White tower, gallery, red daymark, black stripe.	
					*		6/04
11564	-Hogsbole Range, front. C 5792.4	65° 14.0' N 21° 32.0' E	F.W. period 4s	20 6	9	Post.	
		*			*		*
							6/04
11569	--Rear, 134° from front.						Remove from list.
							*
							6/04
11572	-Pitsundet South Range, No. 1, front. C 5792	65° 14.0' N 21° 30.7' E	Oc.G. period 4s	18 5	9	Post, white rectangular daymark, black band.	Synchronized with rear.
		*	*	*			*
							6/04

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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
11576 <i>C 5792.01</i>	--Rear, No. 3, 120 meters from front.	306° 21° 30.8' E	14.0' N Oc.G. period 4s	30 9	9	Post, white rectangular daymark, black band.	Similar lights mark E. side of channel. * 6/04
*11602 <i>C 5793</i>	-Pitsundet North Range, front.	65° 21° 31.0' E	14.5' N Q.W.	16 5	9	Post, white rectangular daymark, black band.	Intensified on range line. 6/04
*11602.1 <i>C 5793.1</i>	--Rear, 115 meters from front.	160° 21° 31.1' E	14.4' N Q.W.	26 8	10	Post, white rectangular daymark, black band.	Synchronized with front. 6/04
11608 <i>C 5793.8</i>	-Munksundet Sodra Range, front.						Remove from list. * 6/04
11612 <i>C 5793</i>	--Rear, 200 meters from front.						Remove from list. * 6/04
11976 <i>C 5698</i>	-Stora Knivskar Range, front.	65° 24° 08.5' E	40.8' N Q.W.	33 10	8	Red rectangular daymark, white stripe.	
*11980 <i>C 5698.1</i>	--Rear, on Nalkakari Rock, 1.4 kilometers from front.	299° 24° 07.1' E	41.1' N L.FI.W. period 10s	105 32	9	Red rectangular daymark, white stripe.	
*12297 <i>C 3536.2</i>	-Kara Osta Range, front.	57° 24° 01.9' E	03.1' N FI.W. period 3s	26 8	1	Beacon, white rectangular daymark, black stripe; 39.	
*12297.1 <i>C 3536.201</i>	--Rear, 43 meters from front.	168°42' 24° 01.9' E	03.0' N FI.W. period 3s	43 13	1	Beacon, white rectangular daymark, black stripe; 62.	
12326 <i>C 3543</i>	-Zvejas, N. gate, N.	57° 24° 03.9' E	02.8' N FI.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Red round metal column, platform; 13.	
*12326.01 <i>C 3543.2</i>	--S.	57° 24° 04.4' E	02.6' N FI.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	1	White column, forked widening on top; 20.	
*12402 <i>C 3559</i>	-Kipsala.	56° 24° 05.2' E	57.5' N FI.(3)W. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	29 9	2	White column, forked widening on top; 20.	

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SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 6/04

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

NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.
NGA HYDRO CATALOG CATP2V01U Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,50,51,52/03;1,2, 3,5,6/04	SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23,29,30,31,41, 42,44,45,52/03;5/04	SDPUB181	2002	38*,39/02
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30,32, 33,34,44,48,52/03;2, 3,5/04	SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02;24,25, 27,28,32,38,42/03	SDPUB182	2001	8*,10,12,41/02; 17/03
Region 3	2002	1/03*	SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46,	SDPUB183	2001	27/01*;13,15,16/02; 18/03
Region 4	2002	1*,23,43/03	SDPUB126	2002	50/02;24,25,27,28, 29,30,32,35,36,37, 39,44,48/03	SDPUB193	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23,29/03;6/04
Region 5	2002	1*,3,5,8,22,27,30, 33,38,48/03;1/04	SDPUB140	2001	52/02;24,26,27,28, 30,32,41/03	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32, 33,41,43,46,49/03; 1/04
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28,30,33, 38,50/03	SDPUB141	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22,23,24,25,26, 31,32,34,37,42, 43/03	USCG LIGHT LIST VOLUMES I - VII COMDTM165021	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 36,37,38,39,40,41, 42,43,44,45,48,50, 52/03;3,4,6/04
Region 7	2002	1*,11,15,28/03	SDPUB142	2000	49/00*,3,31,35/01; 1,15,43/02	COMDTM165022	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 35,36,37,38,39,40, 41,42,43,44,45,46, 47,48,49,50,51, 52/03;1,2,3,4,5,6/04
Region 8	2002	1*,14,37,41,46, 52/03	SDPUB147	2001	35/01*:21,22,23, 24/02;39,40,41,46, 50/03	COMDTM165023	2003	17*,18,19,20,21,23, 24,25,26,28,29,31, 32,33,34,35,36,37, 38,39,41,43,44,45, 46,47,48,49,50,51, 52/03;1,2,3,4,5,6/04
Region 9	2002	1*,34,40,43,45,48, 50,51,52/03;1/04	SDPUB148	2001	48/01*:23,24/02;22, 42,43,45,48,50, 52/03;5/04	COMDTM165024	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49,50,51,52/03;1, 2,3,4,6/04
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32,33,34, 36,37,38,39,41,42, 43,45,46,47,48,49, 51,52/03;1,4,5,6/04	SDPUB153	2000	6/01*:28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15,22,25,32, 35,37,38,39,40, 43/03	COMDTM165025	2002	16/02*
NGA LIST OF LIGHTS LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21,23, 24,25,26,27,28,29, 31,32,33,34,36,37, 38,39,41,42,43,44, 47,49,50,52/03;1,2, 3,5,6/04	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30,41,42,47/03	COMDTM165026	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49,50,51,52/03;1, 2,3,4,6/04
LLPUB111	2003	33*,34,35,36,37,38, 39,40,41,43,45,47, 49,50,51,52/03;1,2, 3,4/04	SDPUB155	2001	31*,48/01;10,45, 46/02	COMDTM165027	2003	18*,20,21,22,23,24, 26,27,28,30,31,32, 33,34,35,36,37,38, 39,40,43,44,46,47, 48,49,50,52/03;1,2, 6/04
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,50,51,52/03;1,2, 4,5,6/04	SDPUB159	2002	42*,48/02	FLEET GUIDES FGPUB940ATL	2001	N47/01*
LLPUB113	2003	46*,48,49,50,51, 52/03;1,2,3,4,5,6/04	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19,21,22,23, 30,33,36,39,41,43, 48,49,51/03;1,2,5, 6/04	FGPUB941PAC	2001	N22/01*
LLPUB114	2003	17*,19,21,22,23,24, 27,31,32,40,43,44, 46/03	SDPUB164	2000	30/00*,31,35,36/01; 8,28/03	NOS MISCELLANEOUS PUBLICATIONS NOSPBCATALOG1	2000	20/00*
LLPUB115	2003	42*,44,46,47,48,49, 51,52/03;1,3,5/04	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26,41/03	NOSPBCATALOG2	2000	34/00*
LLPUB116	2003	24*,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,47,48,49, 50,51/03;1,2,3,5, 6/04	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22,23, 25,26,27,28,29,31, 32,33,34,35,37,38, 39,40,43,44,45,46, 47,48,51/03;1,2,3,4, 5/04	NOSPBCATALOG3	2000	28/00*
SAILING DIRECTIONS CDPUBSD125	2003	19*,43,49,51,52/03	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27,32,33,34, 37,38,49,50,51/03	NOSPBCATALOG4	2000	34/00*
CDPUBSD127	2003	39/03*	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02;	ALMANACS AIRALMANAC401	2004	29/03*
CDPUBSD131	2002	9/03*			30,39,40,41,43/03; 6/04	NAUTALMANAC04	2004	29/03*
CDPUBSD132	2003	6/04*						
CDPUBSD143	2003	46/03*				COAST PILOT NOSPBCP1	33	27*,28,29,32,33,34, 39,42,46,48/03;1, 6/04
CDPUBSD145	2003	51/03*				NOSPBCP2	33	5*,6/04
CDPUBSD146	2002	4/03*				NOSPBCP3	36	34*,36,42,43,44,46, 48,50,51,52/03
CDPUBSD157	2003	17/03*				NOSPBCP4	35	34*,36,39,42,44,46, 47,51/03;6/04
CDPUBSD158	2003	24/03*				NOSPBCP5	31	51*,52/03;1/04
CDPUBSD191	2003	52/03*				NOSPBCP6	33	23*,27,29,32,34,39, 42,46,48,51,52/03; 1/04
CDPUBSD192	2003	32*,36,38,39,40,41, 42,43/03	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02;			
CDPUBSD194	2002	6*,8,15,17,30,33,35, 37,38,39,40/03			26,27,29,32,37,38, 43,47/03			
			SDPUB180	2002	50/02;6,13,14,17,21, 24,42,44,47,48,49, 51/03			

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 6/04**

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

NGA Reference No.	Ed.	Notice to Mariners No.		
NOSPBCP7	35	37*,38,39,42,44,45, 48,51/03;5/04		
NOSPBCP8	25	32*,33,34,39,42,48, 51/03;1/04		
NOSPBCP9	21	30*,32,33,36,39,42, 48,51/03		
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 6/04

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 221200Z January 2004:

2003 series	387(GEN)	4(GEN)	18(GEN)
108(26,27)	2004 series	15(11,26)	

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 141200Z to 221200Z January 2004.

12/04 thru 14/04. CANCELED.

15/04(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

- A. 0500Z TO 0459Z COMMENCING DAILY
19 THRU 25 JAN 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
19 THRU 25 JAN IN AREA BETWEEN
29-20N 29-10N AND 079-50W 079-40W.
 - C. 201200Z TO 210459Z AND 230500Z TO 230600Z JAN IN
AREA BETWEEN 30-00N 29-50N AND 081-00W 080-50W.
2. CANCEL THIS MSG 260559Z JAN.

(161527Z JAN 2004)

16/04 and 17/04. CANCELED.

18/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 171000Z JAN 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 4(GEN), 6(11,26), 14(11), 15(11,26),
16(11), 17(11,28).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL NAVAREA IV 9/04.

(171010Z JAN 2004)

19/04. CANCELED.

SECTION III**HYDROLANTS**

Messages in force 221200Z January 2004:

2000 series	738(35)	2175(24)	2383(53)	17(53)	100(37)
2937(38)	754(37)	2203(53)	2384(23,24)	19(53)	105(37)
3762(43)	867(37)	2225(52,53)	2385(38)	29(37)	106(37)
4265(44)	1117(37)	2235(37)	2399(24)	36(51,52)	107(57)
2001 series	1242(24)	2241(57)	2406(54)	40(53)	109(24)
611(44)	1291(37)	2263(53)	2407(54)	41(56)	110(24)
2700(37)	1374(52,53)	2266(37)	2408(54)	47(54)	111(57)
3161(44)	1422(53)	2271(37)	2409(54)	54(57)	113(56)
2002 series	1472(35)	2291(GEN)	2410(54)	56(35)	114(56)
245(GEN)	1620(53,56)	2297(24)	2413(54)	57(52,53)	115(55)
246(GEN)	1731(35)	2306(56)	2414(54)	59(35,37)	116(35)
2203(51)	1834(22)	2312(53,54)	2416(54)	74(55)	117(35)
2682(51)	1863(37)	2319(53)	2418(52)	89(GEN)	120(35)
2848(37)	1944(53)	2330(54)	2419(54)	90(53)	122(24)
2003 series	1995(53)	2340(52,53)	2420(54)	91(53)	123(24)
41(37)	1999(23)	2354(24)	2422(37)	92(37)	124(53)
67(37)	2031(55)	2374(35)	2004 series	93(35)	
544(55)	2058(24)	2379(54)	3(53)	94(37)	
604(26,27)	2144(22)	2380(37)	7(37)	99(37)	

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 141200Z to 221200Z January 2004.

69/04 thru 73/04. CANCELED.

74/04(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0200Z TO 1400Z DAILY
19 THRU 24 JAN IN AREA BOUND BY
45-05.1N 036-58.1E, 44-40.6N 037-11.3E,
44-07.2N 037-11.3E, 44-05.3N 036-52.5E,
44-07.2N 036-33.7E, 44-40.6N 036-33.7E,
45-05.1N 036-47.2E, 45-05.6N 036-52.5E.
2. CANCEL THIS MSG 241500Z JAN.

(141905Z JAN 2004)

75/04 thru 88/04. CANCELED.

89/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 171200Z JAN 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 2291(GEN), 2297(24), 2306(56), 2312(53,54), 2319(53), 2330(54), 2340(52,53), 2354(24), 2374(35), 2379(54), 2380(37), 2383(53), 2384(23,24), 2385(38), 2399(24), 2401(57), 2406(54), 2407(54), 2408(54), 2409(54), 2410(54), 2413(54), 2414(54), 2416(54), 2418(52), 2419(54), 2420(54), 2422(37).
2004 SERIES: 3(53), 6(35), 7(37), 17(53), 19(53), 29(37), 36(51,52), 37(51), 40(53), 41(56), 47(54), 54(57), 56(35), 57(52,53), 59(35,37), 62(35), 70(24), 71(24), 74(55), 75(23,29), 81(53), 83(24), 84(24), 85(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL HYDROLANT 48/04, 64/04, 73/04, 77/04.

(171210Z JAN 2004)

90/04(53). SARDEGNA-SOUTHWEST COAST. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1700Z DAILY 19 THRU 23 AND 26 THRU 30 JAN IN AREA BOUND BY 38-55-10N 008-42-30E, 38-50-00N 008-48-00E, 38-46-15N 008-48-00E, 38-43-30N 008-41-15E, 38-49-00N 008-26-00E, 38-56-10N 008-26-40E, 38-57-00N 008-37-06E.
2. CANCEL THIS MSG 301800Z JAN.

(171250Z JAN 2004)

91/04(53). SARDEGNA-WEST COAST.

- CHART 53110 (1ST ED).
ISOLA DI MAL DI VENTRE LIGHT 39-59.5N 008-18.3E UNLIT.

(171310Z JAN 2004)

NM 6/04

SECTION III

92/04(37). DOVER STRAIT.

CHART 37120 (2ND ED).

EAST GOODWIN LIGHTFLOAT 51-13N 001-36E TEMPORARILY REPLACED
BY LIGHTFLOAT, FL W 15 SEC 15 MILES, HORN 30 SEC, RACON (T).

(171714Z JAN 2004)

93/04(35). SCOTLAND-WEST COAST.

CHART 35265 (3RD ED).

DUBH ARTACH LIGHT 56-08N 006-38W UNRELIABLE.

(171753Z JAN 2004)

94/04(37). BAY OF BISCAY.

1. NUMEROUS RED AND YELLOW PIPES ADRIFT VICINITY

47-00N 007-14W AT 171715Z JAN.

2. CANCEL THIS MSG 24 JAN.

(171902Z JAN 2004)

95/04 thru 98/04. CANCELED.

99/04(37). FRANCE-NORTHWEST COAST.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY CABLESHIP LEON THEVENIN VICINITY
48-13N 006-08W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 37/04(51), OPERATIONS COMPLETED.
3. CANCEL HYDROLANT 96/04.

(180935Z JAN 2004)

100/04(37). ENGLAND-SOUTHEAST COAST.

CHART 37121 (11TH ED).

1. FOLKSTONE BREAKWATER HEAD LIGHT 51-05N 001-12E UNLIT.
2. CANCEL HYDROLANT 06/04(35), OPERATIONS COMPLETED.

(181816Z JAN 2004)

101/04 thru 104/04. CANCELED.

105/04(37). DOVER STRAIT.

1. FISHING NET MARKED BY RED BUOY ADRIFT
IN 51-05.4N 001-46.3E.
2. CANCEL THIS MSG 26 JAN.

(191750Z JAN 2004)

106/04(37). BAY OF BISCAY.

VESSEL DISABLED AND ADRIFT IN 46-58N 007-14W.
VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF
POSSIBLE. REPORTS TO MRCC ETEL,
INMARSAT: 4227 99025, TELEX: 4295 0519,
PHONE: 332 9755 3535, FAX: 332 9755 4934.

(192045Z JAN 2004)

107/04(57). SOUTH ATLANTIC.

1. 37 FOOT S/V PIPE DREAM, WHITE HULL WITH YELLOW STRIPE,
TWO PERSONS ON BOARD, OVERDUE SALDANHA BAY, SOUTH AFRICA
TO SAINT HELENA. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC CAPE TOWN OR CAPE TOWN RADIO.
2. CANCEL HYDROLANT 103/04(24).

(201250Z JAN 2004)

108/04. CANCELED.

109/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 23 JAN BY
M/V VERITAS VIKING TOWING EIGHT 6000 METER
LONG CABLES IN AREA BETWEEN
15-42S 15-08S AND 038-48W 037-47W.
SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 102/04.
3. CANCEL THIS MSG 24 JAN.

(210305Z JAN 2004)

110/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 23 JAN
BY M/V BULLDOG TOWING TWO 15 METER LONG
CABLES IN AREA BOUND BY
13-32.1S 038-49.8W, 13-32.8S 038-50.2W,
13-34.7S 038-46.1W, 13-33.9S 038-45.8W.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 24 JAN.

(210313Z JAN 2004)

SECTION III

NM 6/04

111/04(57). GULF OF GUINEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V RAMFORM VALIANT TOWING TEN 6000 METER LONG CABLES IN AREA BOUND BY
06-00N 004-05E, 05-25N 004-35E,
05-25N 004-00E, 05-55N 003-40E.
FIVE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 81/04(53), AID RESTORED.
3. CANCEL HYDROLANT 2401/03.

(210940Z JAN 2004)

112/04. CANCELED.

113/04(56). EASTERN MEDITERRANEAN SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 10 MAR BY M/V BOW KINK, M/V SKANDI PMS1, M/V SKANDI PMS2 AND M/V SKANDI BERGEN IN AREA BOUND BY
32-20N 031-15E, 32-00N 031-15E,
32-00N 031-00E, 31-38N 031-00E,
31-38N 030-00E, 32-00N 030-00E,
32-00N 029-30E, 32-20N 029-30E.
2. CANCEL THIS MSG 11 MAR.

(211520Z JAN 2004)

114/04(56). EASTERN MEDITERRANEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0600Z TO 0900Z AND 1100Z TO 1400Z DAILY 26 THRU 28 JAN IN AREA BOUND BY
31-52.0N 034-15.0E, 32-02.0N 033-58.0E,
32-07.0N 033-20.0E, 31-55.0N 033-20.0E,
31-38.0N 033-10.0E, 31-21.4N 033-42.7E,
31-22.2N 033-45.7E.
2. CANCEL THIS MSG 281500Z JAN.

(211545Z JAN 2004)

115/04(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0300Z TO 1500Z DAILY 26 THRU 31 JAN IN AREA BOUND BY
45-05.1N 036-58.1E, 44-40.6N 037-11.3E,
44-07.2N 037-11.3E, 44-05.3N 036-52.5E,
44-07.2N 036-33.7E, 44-40.6N 036-33.7E,
45-05.1N 036-47.2E, 45-06.6N 036-52.5E.
2. CANCEL THIS MSG 311600Z JAN.

(211600Z JAN 2004)

116/04(35). ORKNEY ISLANDS.

CHART 35130 (3RD ED).

1. COPINSAY LIGHT 58-53.8N 002-40.2W UNLIT.
2. CANCEL HYDROLANT 108/04, AID RESTORED.

(211815Z JAN 2004)

117/04(35). SCOTLAND-EAST COAST.

CHART 35088 (2ND ED).

BELL ROCK LIGHT 56-26N 002-23W UNLIT.

(212206Z JAN 2004)

118/04 and 119/04. CANCELED.

120/04(35). NORTH ATLANTIC. HEBRIDES. MISSILES.

1. HAZARDOUS OPERATIONS 221100Z TO 221300Z JAN WITHIN 72 MILES OF 57-33N 009-44W.
2. CANCEL THIS MSG 221400Z JAN.

(220740Z JAN 2004)

121/04. CANCELED.

122/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 250159Z JAN BY M/V POLAR PRINCESS TOWING 6000 METER LONG CABLE IN AREA BOUND BY
25-56S 044-00W, 25-56S 043-02W,
26-21S 043-02W, 26-40S 043-37W,
26-21S 044-00W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 250259Z JAN.

(220940Z JAN 2004)

SECTION III

123/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 280300Z JAN
BY M/V RAMFORM VIKING TOWING EIGHT 6000 METER
LONG CABLES IN AREA BOUND BY
27-23S 047-07W, 26-53S 047-07W,
26-53S 046-22W, 27-22S 046-22W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 280400Z JAN.

(220950Z JAN 2004)

124/04(53). STRAIT OF SICILY, IONIAN SEA.

1. F/V GIUSEPPINA MADRE, THREE PERSONS ON BOARD, SINKING
IN 35-05N 015-14E. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ROME, TELEX: 4361 1172,
PHONE: 390 6592 3569, FAX: 390 6592 2737.
2. CANCEL HYDROLANT 121/04.

(220955Z JAN 2004)

SECTION III**NAVAREA XII**

Messages in force 221200Z January 2004:

2003 series	384(19)	10(GEN)	28(18)
262(GEN)	2004 series	20(GEN)	

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 141200Z to 221200Z January 2004.

17/04 thru 19/04. CANCELED.

20/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 171000Z JAN 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 384(19).
2004 SERIES: 10(GEN), 17(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL NAVAREA XII 13/04, 19/04.

(171020Z JAN 2004)

21/04 thru 27/04. CANCELED.

28/04(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 17/04.

(221010Z JAN 2004)

SECTION III HYDROPACS

Messages in force 221200Z January 2004:

2001 series	895(62)	1745(96)	2233(82)	37(22)	102(63)
1976(62)	960(63)	1785(96)	2237(71)	41(61)	103(63)
2002 series	993(62)	1892(73)	2239(83)	45(63)	104(63)
205(GEN)	998(71)	1893(73)	2241(61)	47(75)	105(63)
206(GEN)	1041(71)	1911(62)	2244(61)	56(74)	107(73)
403(72,73)	1198(92)	1982(GEN)	2250(95)	60(94)	108(94)
2199(63)	1213(73)	1998(61)	2251(95)	61(94)	109(63)
2330(62)	1248(63)	2004(73,74)	2252(95)	65(63)	110(83)
2339(63)	1266(73)	2106(73)	2253(95)	70(63)	112(63,71)
2003 series	1330(62)	2111(63)	2254(95)	72(72)	113(62)
167(95)	1395(62)	2139(76)	2255(94,95)	73(61)	115(62)
197(71)	1398(74)	2140(GEN)	2260(74,75,76)	74(83)	116(74,75)
207(62)	1485(22)	2159(63)	2263(61)	75(62,63)	118(74)
445(96)	1514(62)	2167(82)	2264(61)	76(96)	120(73,74)
495(62)	1518(62)	2181(74)	2265(62)	79(GEN)	121(63)
496(62)	1652(63)	2191(81)	2275(22)	84(62)	122(73,74)
506(62)	1653(63)	2195(81)	2004 series	86(95)	123(95,96)
515(73)	1655(29)	2200(63)	2(63)	87(81)	124(91,94)
638(62)	1699(63)	2203(63)	20(97)	88(95)	125(81)
760(63)	1700(62)	2223(94)	23(62)	94(63)	
761(63)	1734(74)	2224(63)	27(63)	95(71)	
801(72)	1736(63)	2227(82)	28(95)	96(63)	

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 141200Z to 221200Z January 2004.

65/04(63). INDIA-EAST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V PACIFIC SWORD TOWING 8000 METER LONG
CABLE IN AREA BOUND BY
1622N 082-30E, 16-32N 084-00E,
1526N 084-00E, 15-26N 082-30E.
SIX MILE BERTH REQUESTED.

(141210Z JAN 2004)

66/04 thru 69/04. CANCELED.

70/04(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z DAILY
16 THRU 31 JAN WITHIN 75 MILES OF
08-31.9N 076-52.1E.
2. CANCEL THIS MSG 311800Z JAN.

(141855Z JAN 2004)

71/04. CANCELED.

72/04(72). JAVA SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 JAN
BY M/V ZEPHYR-1 TOWING 6200 METER LONG
CABLE IN AREA BOUND BY 07-33S 114-30E,
07-33S 115-15E, 08-00S 115-15E,
08-07S 114-50E, 08-04S 114-30E.
2. CANCEL THIS MSG 01 FEB.

(151550Z JAN 2004)

73/04(61). SOUTH AFRICA-EAST COAST.

MAN OVERBOARD FROM M/V FRONT SABANG VICINITY OF TRACKLINE
BETWEEN 31-08.5S 030-37.3E AT 150030Z JAN AND
30-23.0S 030-57.4E AT 150400Z JAN. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC CAPE TOWN OR CAPE TOWN RADIO.

(152137Z JAN 2004)

74/04(83). SOUTH PACIFIC.

M/V OCEAN BREEZE REPORTS CREWMAN REQUIRING
MEDICAL ASSISTANCE IN 06-35.4S 179-53.8W.
VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL
ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE.
REPORTS TO MARITIME OPERATIONS NEW ZEALAND,
INMARSAT-C: 4512 00067, PHONE: 644 914 8333,
FAX: 644 914 8334 OR TAUPO MARITIME RADIO.

(160134Z JAN 2004)

SECTION III

75/04(62,63). ARABIAN SEA.
 DISTRESS SIGNAL RECEIVED ON 2188 KHZ VICINITY
 21-07N 065-43E AT 141623Z JAN. VESSELS IN
 VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE. REPORTS TO
 ANY COASTAL RADIO STATION.

(160710Z JAN 2004)

76/04(96). SEA OF JAPAN. GUNNERY. MISSILES.
 1. HAZARDOUS OPERATIONS 0001Z TO 0300Z AND 0500Z TO 0800Z
 DAILY 21 THRU 23 JAN IN AREA BETWEEN
 42-20.0N 42-38.5N AND 131-41.0E 132-15.0E.
 2. CANCEL THIS MSG 230900Z JAN.

(160950Z JAN 2004)

77/04 and 78/04. CANCELED.

79/04(GEN).

1. HYDROPAC MESSAGES IN FORCE 171200Z JAN 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
 2003 SERIES: 2139(76), 2140(GEN), 2143(81,97), 2154(75),
 2159(63), 2167(82), 2181(74), 2187(63), 2191(81), 2195(81),
 2200(63), 2203(63), 2223(94), 2224(63), 2227(82), 2233(82),
 2237(71), 2239(83), 2241(61), 2244(61), 2250(95), 2251(95),
 2252(95), 2253(95), 2254(95), 2255(94,95), 2260(74,75,76),
 2263(61), 2264(61), 2265(62), 2275(22).
 2004 SERIES: 2(63), 20(97), 23(62), 27(63), 28(95), 34(94),
 36(97), 37(22), 41(61), 45(63), 47(75), 52(96), 56(74),
 60(94), 61(94), 65(63), 66(63), 67(63), 70(63), 72(72),
 73(61), 74(83), 75(62,63), 76(96), 78(82).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
 WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL HYDROPAC 2082/03, 2107/03, 2108/03, 2109/03,
 2110/03, 2115/03, 2123/03, 2138/03, 42/04.

(171220Z JAN 2004)

80/04 thru 83/04. CANCELED.

84/04(62). PERSIAN GULF.
 CHART 62520 (6TH ED).
 PLATFORMS ESTABLISHED IN:
 A. 26-45.0N 052-12.5E.
 B. 26-41.0N 052-17.0E.
 C. 26-38.0N 052-21.0E.
 ONE MILE BERTH REQUESTED.

(181048Z JAN 2004)

85/04. CANCELED.

86/04(95). SEA OF JAPAN.
 DISTRESS SIGNAL RECEIVED VICINITY 39-03N 130-21E
 AT 182305Z JAN. VESSELS IN VICINITY REQUESTED
 TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO RCC STAVANGER, TELEX: 5633163,
 PHONE: 475 151 7000, FAX: 475 165 2334
 OR ANY COASTAL RADIO STATION.

(190140Z JAN 2004)

87/04(81). NORTH PACIFIC.
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ
 IN 19-20.4N 166-41.2E AT 182353Z JAN.
 VESSELS IN VICINITY REQUESTED TO KEEP
 A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO RCC HONOLULU, TELEX: 392401,
 PHONE: 808 541 2500, FAX: 808 541 2123.

(190610Z JAN 2004)

88/04(95). SEA OF JAPAN.
 1. 12 CONTAINERS ADRIFT IN 39-18.6N 130-13.7E AT 182000Z JAN.
 2. CANCEL HYDROPAC 83/04(75), VESSEL LOCATED SAFE.
 3. CANCEL THIS MSG 26 JAN.

(190920Z JAN 2004)

89/04 thru 93/04. CANCELED.

SECTION III

94/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY
20 AND 23 JAN 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 231630Z JAN.

(200247Z JAN 2004)

95/04(71). STRAIT OF MALACCA.

MAN OVERBOARD FROM VESSEL BETWEEN SINGAPORE AND PORT DICKSON. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO U.S. COAST GUARD ALAMEDA, TELEX: 2301 72343, PHONE: 510 437 3701.

(200320Z JAN 2004)

96/04(63). INDIA-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 15 FEB
BY M/V CGG FOHN TOWING 5000 METER LONG
CABLE IN AREA BETWEEN
19-45N 19-10N AND 087-35E 087-10E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 FEB.

(200335Z JAN 2004)

97/04 thru 101/04. CANCELED.

102/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 JAN BY
M/V RAMFORM CHALLANGER TOWING SIX 6000 METER
LONG CABLES IN AREA BOUND BY
22-30.7N 068-02.1E, 22-39.2N 068-21.1E,
22-28.7N 068-26.2E, 22-20.3N 068-07.3E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 FEB.

(200750Z JAN 2004)

103/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 JAN BY
M/V RAMFORM VICTORY TOWING TEN 6000 METER
LONG CABLES IN AREA BETWEEN
20-20N 19-50N AND 069-20E 069-50E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 FEB.

(200755Z JAN 2004)

104/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 01 FEB BY
M/V RAMFORM VANGUARD TOWING SIX 6000 METER
LONG CABLES IN AREA BOUND BY
18-27N 071-15E, 18-43N 071-15E,
18-49N 071-29E, 18-33N 071-29E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 02 FEB.

(200810Z JAN 2004)

105/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 01 APR BY
M/V ORIENT EXPLORER TOWING THREE 6000 METER
LONG CABLES IN AREA BETWEEN
22-40N 22-56N AND 068-10E 068-45E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 02 APR.

(200820Z JAN 2004)

106/04. CANCELED.

107/04(73). AUSTRALIA-NORTHEAST COAST.

CHART 73552 (4TH ED.).

1. RACON AT DALRYMPLE ISLAND LIGHT 09-37S 143-18.6E UNRELIABLE.
2. CANCEL HYDROGRAPHIC 89/04.

(201210Z JAN 2004)

108/04(94). EAST CHINA SEA.

1. CABLE REPAIR OPERATIONS IN PROGRESS UNTIL 26 JAN
BY M/V KDD PACIFIC LINK IN AREA BOUND BY
25-38N 121-24E, 25-33N 121-31E,
25-23N 121-22E, 25-28N 121-15E.
2. CANCEL HYDROGRAPHIC 92/04(74,76,82), 90/04 REFERS.
3. CANCEL HYDROGRAPHIC 34/04.
4. CANCEL THIS MSG 27 JAN.

(201220Z JAN 2004)

SECTION III

109/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1030Z DAILY 23 AND 24 JAN
WITHIN 55 MILES OF 21-22.ON 086-56.0E.
2. CANCEL THIS MSG 241130Z JAN.

(201925Z JAN 2004)

110/04(83). SOUTH PACIFIC. GUNNERY.

1. GUNNERY EXERCISES 221600Z TO 221830Z JAN
IN AREA BOUND BY 17-13S 149-56W,
17-10S 149-35W, 16-42S 149-35W,
16-33S 149-35W, 16-40S 150-05W,
16-50S 149-54W.
2. CANCEL THIS MSG 221930Z JAN.

(202231Z JAN 2004)

111/04. CANCELED.

112/04(63,71). INDIAN OCEAN.

M/V FRIXOS REPORTS CREWMAN WITH SERIOUS BURNS
REQUIRING MEDICAL ASSISTANCE IN
05-56N 089-27E AT 210300Z JAN. VESSELS
IN VICINITY ABLE TO PROVIDE MEDICAL
ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE.
REPORTS TO VESSEL, INMARSAT-C: 4636 65330
OR JRCC PIRAEUS, TELEX: 6012 11588,
PHONE: 301 411 2500, FAX: 301 413 2398.

(210710Z JAN 2004)

113/04(62). GULF OF SUEZ.

1. PIPELINE OPERATIONS IN PROGRESS UNTIL 31 JAN BY
M/V EL DAWLEYA 2 VICINITY OF TRACKLINE BETWEEN
28-02.69N 033-31.00E AND 28-01.99N 033-27.73E.
0.5 MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 91/04(81), SIGNAL CEASED.
3. CANCEL HYDROPAC 106/04(81,97).
4. CANCEL THIS MSG 01 FEB.

(210840Z JAN 2004)

114/04. CANCELED.

115/04(62). GULF OF SUEZ.

1. UNDERWATER OPERATIONS IN PROGRESS
UNTIL 31 JAN BY BARGE MARIDWE 55
IN 28-11.93N 033-20.33E.
0.5 MILE BERTH REQUESTED.
2. CANCEL THIS MSG 01 FEB.

(211407Z JAN 2004)

116/04(74,75). AUSTRALIA-EAST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V POLAR DUKE TOWING 6485 METER LONG CABLE
IN AREA BOUND BY 33-26.3S 151-29.6E,
33-09.1S 151-39.5E, 32-52.3S 151-59.6E,
32-40.2S 152-25.6E, 32-55.5S 152-41.2E,
33-39.5S 151-44.2E. FIVE MILE BERTH REQUESTED.

(212313Z JAN 2004)

117/04. CANCELED.

118/04(74). INDIAN OCEAN.

M/V MSC BREMEN REPORTS CREWMAN REQUIRING MEDICAL ASSISTANCE
IN VICINITY 31-37S 100-00E AT 220100Z JAN. VESSELS
IN VICINITY ABLE TO PROVIDE MEDICAL ASSISTANCE
REQUESTED TO ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(220320Z JAN 2004)

119/04. CANCELED.

120/04(73,74). TORRES STRAIT.

1. 15 METER LONG OBJECT ADRIFT VICINITY
10-32.0S 141-27.1E AT 212230Z JAN.
2. CANCEL THIS MSG 29 JAN.

(220550Z JAN 2004)

SECTION III

NM 6/04

121/04(63). INDIA-WEST COAST.
DISTRESS SIGNAL RECEIVED VICINITY 16-39N 072-57E.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC MUMBAI.

(220650Z JAN 2004)

122/04(73,74). TORRES STRAIT.
1. 12 METER F/V PARTIALLY SUBMERGED AND ADRIFT
VICINITY 10-42.5S 142-27.3E AT 220422Z JAN.
2. CANCEL HYDROFAC 119/04(75), PERSONS RESCUED.
3. CANCEL THIS MSG 29 JAN.

(220720Z JAN 2004)

123/04(95,96). SEA OF JAPAN.
VESSEL EREBUS SANK IN 41-55N 131-56E.
FOUR PERSONS RECOVERED IN 41-46N 132-04E AT
220420Z JAN. THREE PERSONS REMAIN MISSING.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
MRCC VLADIVOSTOK, INMARSAT-C: 4925 00379,
PHONE: 742 3222 7782, FAX: 742 3249 5895.

(220810Z JAN 2004)

124/04(91,94). EAST CHINA SEA. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 231400Z TO 240530Z JAN
WITHIN 30 MILES OF:
A. 21-55N 122-10E.
B. 21-30N 122-10E.
2. CANCEL THIS MSG 240630Z JAN.

(220840Z JAN 2004)

125/04(81). NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ VICINITY 08-28.2N 135-59.1E
AT 221020Z JAN. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO U.S. COAST GUARD GUAM.

(221140Z JAN 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 22 January 2004: 00-7, 01-1, 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 22 January 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 SAILING DIRECTIONS

Pub. 132, Sailing Directions (Enroute) Eastern Mediterranean, Tenth Edition, 2003, is ready for issue. This publication has been corrected to 6 September 2003, including Notice to Mariners No. 36 of 2003.

This edition is produced by NGA in digital format only, available on CD-ROM and/or electronic access through the World Wide Web.

NGA nautical publications as produced in digital format are more robust, expansive and customer friendly than the printed versions. Customers can expect access to data links between publication data sets, video streams, links to other websites, timely up-to-date information and current state of the art graphics, photos and commercial imagery.

Digital Nautical publications will be updated using a binary executable called "Publication Data Update (PDU)". PDU updates are cumulative or sequential ensuring customers will not miss any changes and may be accessed on the Maritime Safety Information Division website (<http://pollux.nss.nga.mil>).

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.

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 x 105. 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.

11468	40 th Ed. Jan 2004 NEW EDITION 11AHA11468 FL-MIAMI HARBOR (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1 : 10,000
12350	58 th Ed. Jan 2004 NEW EDITION 12XHA12350 NY-JAMAICA BAY AND ROCKAWAY INLET (New edition due to various general changes.)	NAD 83	(NOS Silver Spring, MD) 1 : 20,000
13223	37 th Ed. Jan 2004 NEW EDITION 13AHA13223 RI-NARRAGANSETT BAY INCLUDING NEWPORT HARBOR (New edition due to various general changes.)	NAD 83	(NOS Silver Spring, MD) 1 : 20,000
14820	20 th Ed. Jan 2004 NEW EDITION 14XCO14820 GREAT LAKES-LAKE ERIE (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1 : 400,000/LORAN-C
16501	7 th Ed. Jan 2004 NEW EDITION 16BCO16501 AK-ALEUTIAN ISLANDS-ISLANDS OF FOUR MOUNTAINS (New edition due to change of format and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1: 80,000/LORAN-C
16660	29 th Ed. Jan 2004 NEW EDITION 16ACO16660 AK-SOUTH COAST - COOK INLET - NORTHERN PART (New edition due to numerous Notice to Mariners changes and hydrographic changes.)	NAD 83	(NOS Silver Spring, MD) 1: 194,154/LORAN-C
16663	7 th Ed. Jan 2004 NEW EDITION 16ACO16663 AK- SOUTH COAST- COOK INLET – EAST FORELAND INSET: North Foreland (New edition due to numerous Notice to Mariner changes and hydrographic changes.)	NAD 83	(NOS Silver Spring, MD) 1: 100,000/LORAN-C 1 : 25,000

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

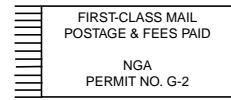
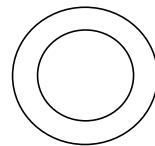
Details of Information Reported (continue on additional sheets as necessary) _____

Digitized by srujanika@gmail.com

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"): _____

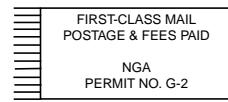
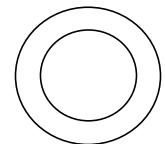
Digitized by srujanika@gmail.com

If observed, Date _____ Time (Local) _____

Verified by Navigator: Yes No

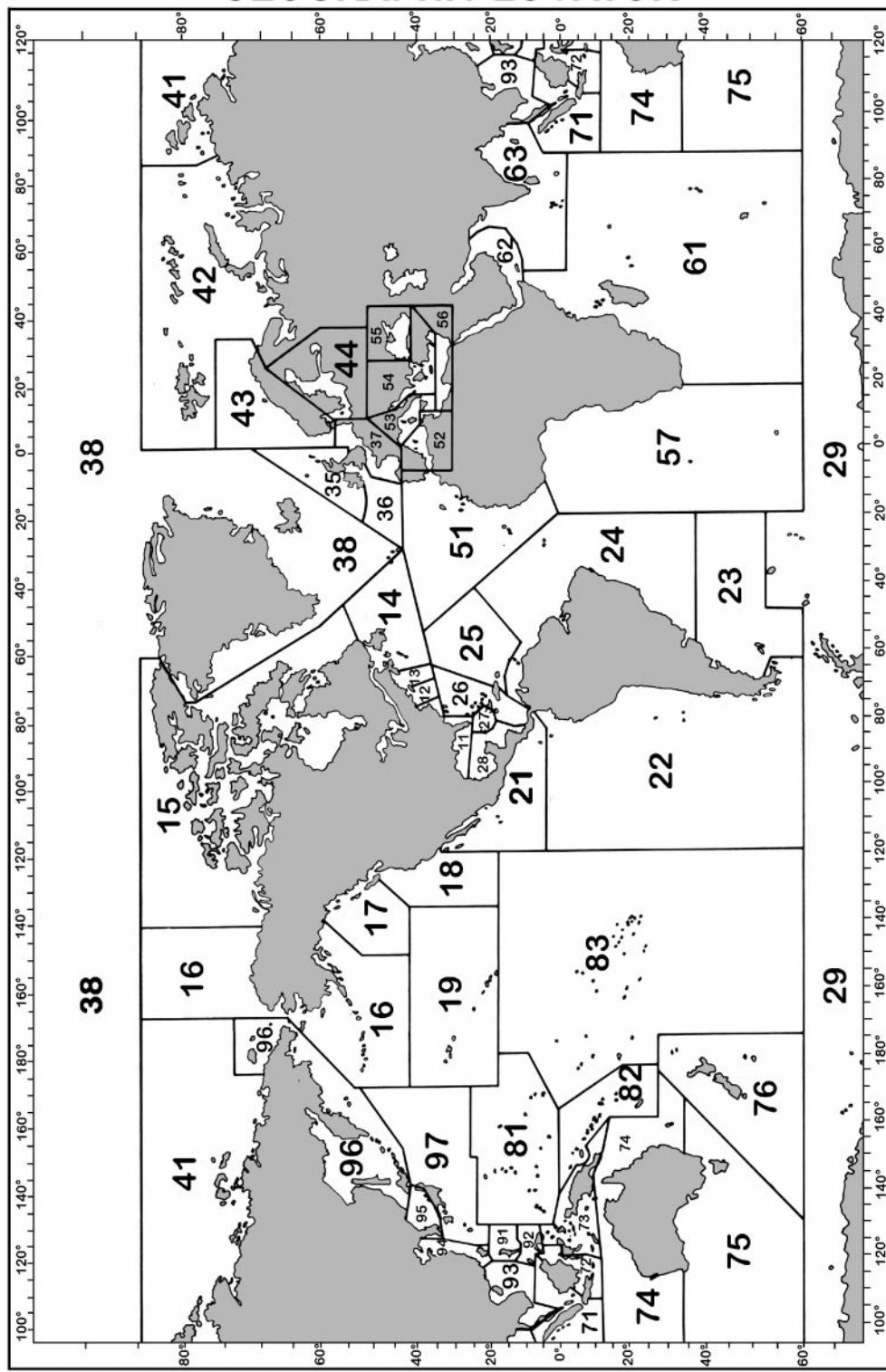
Bounding(s) corrected for draft: Yes _____ No _____

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 Sub-region 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

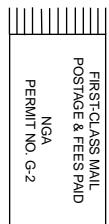
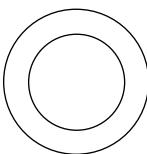
ATTN: JNAH

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