



No. 9

28 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/>



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IMPORTANT INFORMATION

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

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

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

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

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

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

<u>Observer</u>	<u>Ship/Organization</u>
Second Officer Roy Valentine	M/V NEW RIVER
QMSN Kayla D. Edenshaw	USS FORT MCHENRY

Cover Photo: The **USS SLATER (DE-766)** is a Cannon 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 9/04

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

28 February 2004

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 9/04

103 (INT 103) 5Ed. 8/25/90 LAST NM 16/03 Delete Depth 1820 meters and enclosing depth contour (2000-meter) centered Depth 1798 meters and enclosing depth contour (2000-meter) centered Depth 600 meters	9/04 40°35'N 32°54'W 42°27'N 18°53'W 40°40'N 9°44'W	★12235 29Ed. 12/8/01 LAST NM 33/03 Relocate Light "1" from 37°49'13"N 76°17'05"W to 37°49'10"N 76°17'04"W Light "2MC" from 37°47'36"N 76°17'44"W to 37°47'37"N 76°17'47"W and change visibility (range) to 4M (51/03 CG5)	9/04
Substitute Depth 56 meters for 40 meters (20(307)03 Lisboa)	35°03'N 12°53'W	12280 4Ed. 10/03 LAST NM 7/04 Relocate Buoy "LS" from 37°06.4'N 75°59.7'W to 37°05.8'N 75°59.5'W (51/03 CG5)	9/04
11323 60Ed. 9/03 LAST NM 6/04 Delete Dangerous wreck (PA) (NOS)	9/04 28°55'42"N 94°39'06"W	12285 35Ed. 1/03 LAST NM 45/03 (Page C) Delete Legend "BELL Priv" (50/03 CG5)	9/04
★11344 35Ed. 12/02 LAST NM 5/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)	9/04	★12288 19Ed. 5/23/98 LAST NM 27/02 Delete Legend "BELL Priv" (50/03 CG5)	9/04 38°31'08"N 77°17'05"W
★11347 33Ed. 7/02 LAST NM 4/04 (Side A) Add Tabulation of controlling depths from Subsection I-2 (Side B) Add Tabulation of controlling depths from Subsection I-2 (NOS)	9/04	★12304 43Ed. 3/03 LAST NM 5/04 Add Buoy "WR" RG, Fl(2+1) G 6s (See 5/04-12304) (52/03 CG5)	9/04 39°12'33"N 75°15'19"W
★11353 3Ed. 11/03 NEW EDITION Add Position circle [L20] "Well" (awash) (PA) 29°25'19.2"N 89°11'52.8"W (Previously published 5/04)	9/04	13267 31Ed. 10/03 LAST NM 47/03 Add Depth 28 feet Rk [K14.2] Depth 35 feet Rk [K14.2] Depth 23 feet Rk [K14.2] Depth 19 feet Rk [K14.2] Depth 16 feet Rk [K14.2] (NOS)	9/04 42°16'08"N 70°47'06"W 42°17'55"N 70°48'39"W 42°17'36"N 70°48'07"W 42°16'33"N 70°48'48"W 42°16'19"N 70°48'28"W
Add Tabulation of controlling depths from Subsection I-2 (NOS)		13269 9Ed. 1/10/98 LAST NM 7/04 Add Depth 17 feet Rk [K14.2] Depth 28 feet Rk [K14.2] (NOS)	9/04 42°16'06.7"N 70°46'43.3"W 42°16'08.4"N 70°47'05.6"W
11541 34Ed. 10/03 LAST NM 51/03 (Side A) Add Buoy "2" R, nun (52/03 CG5)	9/04 34°42'00"N 76°40'56"W	★13270 60Ed. 9/1/03 LAST NM 50/03 Substitute Depth 16 feet Rk [K14.2] for 18 feet 42°16'19.3"N 70°48'28.4"W	9/04
11545 60Ed. 9/02 LAST NM 1/04 Add Buoy "2" R, nun (52/03 CG5)	9/04 34°42'00"N 76°40'56"W	Add Depth 17 feet Rk [K14.2] Depth 28 feet Rk [K14.2] Depth 35 feet Rk [K14.2] Depth 23 feet Rk [K14.2] Depth 19 feet Rk [K14.2] (NOS)	9/04 42°16'06.7"N 70°46'43.3"W 42°16'08.4"N 70°47'05.6"W 42°17'54.9"N 70°48'38.7"W 42°17'36.0"N 70°48'07.2"W 42°16'32.8"N 70°48'48.2"W
★11547 35Ed. 3/30/02 LAST NM 1/04 Add Buoy "2" R, nun (52/03 CG5)	9/04 34°42'00.4"N 76°40'55.9"W	14046 2Ed. 12/24/94 LAST NM 49/03 Delete Depth 20 feet Depth 8 feet	9/04 45°12'44"N 64°15'14"W 45°08'24"N 64°13'56"W
12208 9Ed. 4/03 LAST NM 50/03 Relocate Buoy "LS" from 37°06'20"N 75°59'40"W to 37°05'49"N 75°59'32"W (51/03 CG5)	9/04	Add Depth 10 feet Depth 2 feet Depth 1 foot (8(4140)03 Ottawa)	9/04 45°08'23"N 64°13'59"W 45°08'21"N 64°13'54"W 45°08'25"N 64°13'56"W
12221 75Ed. 9/03 LAST NM 2/04 Relocate Buoy "LS" from 37°06'20"N 75°59'40"W to 37°05'49"N 75°59'32"W (51/03 CG5)	9/04	14062 17Ed. 5/20/95 LAST NM 5/04 Add Superbuoy ODAS [Q58] "PRIV" Y, Fl(5) Y (8(4003)03 Ottawa)	9/04 43°37.5'N 66°37.3'W
★12222 45Ed. 11/03 LAST NM 7/04 Relocate Buoy "LS" from 37°06'20"N 75°59'41"W to 37°05'49"N 75°59'32"W (51/03 CG5)	9/04	14175 Ed. 9/18/98 LAST NM N43/03 (Plan) Add Depth 1.3 meters (8(4920)03 Ottawa)	N9/04 47°43'12.7"N 64°40'02.1"W
12224 23Ed. 12/02 LAST NM 45/03 Delete Buoy "LS" (51/03 CG5)	9/04 37°06'21"N 75°59'40"W	14192 Ed. 3/18/88 LAST NM N38/03 Add Superbuoy ODAS [Q58] "44150" Y, Fl Y 5s (8(4906)03 Ottawa)	N9/04 46°51'00.0"N 64°38'48.0"W
12225 54Ed. 4/03 LAST NM 33/03 Relocate Light "2MC" from 37°47'34"N 76°17'42"W to 37°47'37"N 76°17'47"W and change visibility (range) to 4M (51/03 CG5)	9/04	14253 Ed. 7/24/92 LAST NM N40/03 Delete Light and legend "Fog Sig" (continued on next page)	N9/04 47°36'06"N 58°42'02"W

SECTION I

14253	(Continued) Buoy	47°35'28"N 58°41'42"W 47°36'06"N 58°41'41"W	18433	5Ed. 12/02 LAST NM 36/03 Add Visibility (range) 4M to light (Can LL)	9/04 48°38'18.3"N 123°17'53.1"W
14328	6Ed. 1/7/95 LAST NM 47/03 Delete Light and legend "HORN" Buoy "QR"	47°36'06"N 58°42'02"W 47°35'28"N 58°41'42"W	21543	13Ed. 7/11/98 LAST NM 41/98 (Plan A) Add Danger circle [K40] "Obstn Rep (2004)" (NTM0003/2004)	9/04 10°27'05.2"N 85°47'38.9"W
14340	Add Light Fl R 6s 3M HORN (84639)03 Ottawa)	47°36'06"N 58°41'41"W	22312	2Ed. 9/3/77 LAST NM 30/03 Add "ANCHORING AND FISHING PROHIBITED (OUTFALL PIPELINE)" area [N20, 21] bound by shore and purple composite line joining	9/04 36°56'30"S 73°09'36"W 36°56'20"S 73°10'21"W 36°56'09"S 73°10'17"W 36°56'15"S 73°09'30"W
14342	20Ed. 6/24/95 LAST NM 49/03 Add "Marine Farm" area bound by dashed line joining	47°07'1"N 56°18.8'W 47°06.0"N 56°17.2'W 47°05.6"N 56°18.1'W		Submarine pipeline (outfall) [L41.1] between 37°11'56"S 73°13'47"W 37°11'27"S 73°14'08"W	
★16016	20Ed. 11/03 NEW EDITION (NOS)			"ANCHORING AND FISHING PROHIBITED (OUTFALL PIPELINE)" area [N20, 21] bound by shore and purple composite line joining	37°11'57"S 73°13'57"W 37°11'26"S 73°14'20"W 37°11'21"S 73°14'03"W 37°11'48"S 73°13'42"W
★16083	6Ed. 11/03 NEW EDITION (NOS)		22427	1Ed. 10/10/88 LAST NM N40/03 Add Beacon R, Fl R 5s 6m 3M Beacon G, Fl G 3s 3m 2M	N9/04 53°05.8'S 70°52.3'W 53°05.9'S 70°52.3'W
★16102	5Ed. 11/03 NEW EDITION (NOS)			Submarine pipeline (outfall) [L41.1] joining	53°06.6'S 70°52.6'W 53°06.3'S 70°51.4'W 53°06.1'S 70°51.3'W
★16300	8Ed. 3/10/90 LAST NM 6/04 Add Buoy "6" R, nun (51/03 CG17)	59°43.5'N 162°17.9'W		"ANCHORING AND FISHING PROHIBITED (OUTFALL PIPELINE)" area [N20, 21] bound by shore and purple composite line joining	53°06.4'S 70°52.7'W 53°06.2'S 70°51.6'W 53°06.0'S 70°51.5'W 53°06.0'S 70°51.1'W 53°06.5'S 70°51.3'W 53°06.7'S 70°52.5'W
★16580	12Ed. 11/03 NEW EDITION (NOS)				(12(202)03 Valparaiso)
17513	Ed. 8/4/89 LAST NM N15/03 (Inset) Delete Dashed lines and legend "Obsc" between	50°09'59"N 125°22'07"W 50°09'29"N 125°21'38"W	22482	16Ed. 12/23/95 LAST NM 23/03 Add Submarine pipeline (outfall) [L41.1] joining	9/04 53°06'38"S 70°52'36"W 53°06'23"S 70°51'32"W 53°06'07"S 70°51'21"W
18415	8Ed. 7/8/95 LAST NM 3/04 Change Period of superbuoy ODAS "46134" to 20s	48°38'56"N 123°29'42"W		"ANCHORING AND FISHING PROHIBITED (OUTFALL PIPELINE)" area [N20, 21] bound by shore and purple composite line joining	53°06'33"S 70°52'40"W 53°06'18"S 70°51'34"W 53°06'00"S 70°51'27"W 53°06'03"S 70°51'12"W 53°06'28"S 70°51'22"W 53°06'44"S 70°52'33"W
18419	11Ed. 12/10/94 LAST NM 1/04 Change Buoy to "VQ" Y, spar (See 12/03-18419)	48°25'19.3"N 123°23'12.0"W			(12(202)03 Valparaiso)
18421	46Ed. 10/03 LAST NM 8/04 Change Light to Fl G 4s 4M Light to Fl R 4s 4M (Can LL)	48°38'18"N 123°17'57"W 48°39'17"N 123°19'28"W	24058	2Ed. 11/20/93 LAST NM 7/04 Delete Buoy "Km 87" Buoy (undesignated) Buoy (undesignated)	9/04 34°12'47"S 58°06'13"W 34°13'02"S 58°06'23"W 34°13'05"S 58°05'35"W
18423	33Ed. 10/02 LAST NM 8/04 (Page C) Change Light to Fl G 4s 4M (Can LL)	48°38'18"N 123°17'52"W		Buoy "Km 85.5" Buoy (undesignated) Buoy "Km 84.5" Buoy "Km 83" Buoy "Km 82" Buoy (undesignated) Buoy (undesignated)	34°13'14"S 58°05'36"W 34°13'18"S 58°05'03"W 34°13'27"S 58°05'06"W 34°14'39"S 58°04'06"W 34°15'54"S 58°03'05"W 34°16'40"S 58°02'42"W 34°16'41"S 58°02'30"W

(continued on next page)

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NM 9/04

24058	(Continued)		
	Buoy (undesignated)	34°19'54"S 58°01'16"W	
	Buoy "Km 74"	34°20'43"S 58°01'16"W	
	Buoy "Km 73"	34°21'24"S 58°00'36"W	
	Buoy (undesignated)	34°22'06"S 58°00'54"W	
	Buoy (undesignated)	34°22'14"S 58°00'40"W	
	Buoy (undesignated)	34°22'16"S 58°00'24"W	
	Buoy "Km 71.3"	34°22'17"S 58°00'11"W	
	Buoy (undesignated)	34°22'36"S 58°00'03"W	
	Buoy (undesignated)	34°22'40"S 58°00'12"W	
	Buoy (undesignated)	34°22'48"S 58°00'09"W	
	Buoy (undesignated)	34°22'48"S 57°59'59"W	
	Buoy (undesignated)	34°22'49"S 57°59'48"W	
	Buoy (undesignated)	34°22'55"S 57°59'54"W	
	Buoy "Km 67.8"	34°23'18"S 57°59'19"W	
	Buoy (undesignated)	34°23'26"S 57°59'24"W	
	Buoy "Km 66.4"	34°24'06"S 57°58'37"W	
	Buoy (undesignated)	34°24'07"S 57°58'45"W	
	Buoy (undesignated)	34°24'47"S 57°58'02"W	
	Buoy (undesignated)	34°24'51"S 57°58'06"W	
	Buoy "Km 63.8"	34°25'21"S 57°57'27"W	
	Buoy (undesignated)	34°25'24"S 57°57'36"W	
	Buoy "Km 62.5"	34°25'58"S 57°56'55"W	
	Buoy "Km 61.2"	34°26'30"S 57°56'29"W	
	Buoy "Km 60.5"	34°26'36"S 57°56'39"W	
	Buoy (undesignated)	34°26'59"S 57°56'28"W	
	Buoy (undesignated)	34°27'55"S 57°56'35"W	
	Buoy "Km 58.8"	34°27'57"S 57°56'43"W	
	Buoy "Km 57.5"	34°28'33"S 57°56'39"W	
	Buoy (undesignated)	34°29'05"S 57°56'37"W	
	Buoy "Km 56.5"	34°29'07"S 57°56'46"W	
	Buoy (undesignated)	34°29'30"S 57°57'28"W	
Add	Buoy "Km 95.9" R, pillar, cone topmark, Fl(4) R 12s	34°13'16"S 58°05'12"W	
	Buoy (undesignated) G, pillar, can topmark, Fl(4) G 12s	34°13'22"S 58°05'13"W	
	Buoy "Km 95.4" R, pillar, cone topmark, Fl R 3s	34°13'26"S 58°04'53"W	
	Buoy (undesignated) R, pillar, cone topmark, Fl(3) R 9s	34°13'18"S 58°05'10"W	
	Buoy "Km 94.8" G, pillar, can topmark, Fl(3) G 9s	34°13'43"S 58°04'47"W	
	Buoy "Km 91.1" Y, spar, "X" topmark, Fl(3) Y 9s [Q130.6]	34°15'23"S 58°03'29"W	
	Buoy (undesignated) G, pillar, can topmark, Fl(4) G 12s	34°15'30"S 58°03'01"W	
	Buoy "Km 89.6" Y, spar, "X" topmark, Fl(3) Y 9s [Q130.6]	34°16'06"S 58°02'54"W	
	Buoy (undesignated) G, pillar, can topmark, Fl(3) G 9s	34°16'10"S 58°03'36"W	
	Buoy "Km 88.1" Y, spar, "X" topmark, Fl(3) Y 9s [Q130.6]	34°16'47"S 58°02'25"W	
	Buoy (undesignated) G, pillar, can topmark, Fl(2) G 6s	34°16'50"S 58°02'32"W	
	Buoy "Km 86.6" R, pillar, cone topmark, Fl(4) R 12s	34°17'28"S 58°01'55"W	
	Buoy (undesignated) G, pillar, can topmark, Fl(4) G 12s	34°17'31"S 58°02'01"W	
	Buoy "Km 78.7" R, pillar, cone topmark, Fl(2) R 6s	34°21'36"S 58°00'38"W	
	Buoy (undesignated) G, pillar, can topmark, Fl(2) G 6s	34°21'39"S 58°00'47"W	
	Buoy "Km 78" G, pillar, can topmark, Fl G 3s	34°22'00"S 58°00'37"W	
	Buoy (undesignated) BRB, pillar, double ball topmark, Fl(2) 6s	34°22'06"S 58°00'49"W	
	Buoy "Km 77.4" R, pillar, cone topmark, Fl(4) R 12s	34°22'14"S 58°00'18"W	
	Buoy (undesignated) G, pillar, can topmark, Fl(4) G 12s	34°22'18"S 58°00'24"W	
24170	14Ed. 6/21/97 LAST NM 35/03		9/04
	Relocate Light from 21°28.2'S 41°03.0'W to and change height to 23m		
	(22(135)03 Rio de Janeiro)		
24200	14Ed. 8/3/96 LAST NM 6/02		9/04
	Add Light Q 8m 3M		
	(22(130)03 Rio de Janeiro)		
24201	5Ed. 11/2/96 LAST NM 49/03		9/04
	Add Light Q 8m 3M		
	(22(130)03 Rio de Janeiro)		
24230	20Ed. 3/14/98 LAST NM 52/03		9/04
	Delete Depth 17 meters, danger circle and legend "Rep 1989"		
	Depth 22 meters (PA) and danger circle		
	(4°53.0'S 35°01.0'W (24(145)03 Rio de Janeiro))		
24233	15Ed. 2/14/98 LAST NM 43/02		9/04
	Substitute Depth 7.2 meters Rk [K14.2] for 10.1 meters		
	(5°45'49.8"S 35°12'17.4'W (See 26/00-24233) (24(146)03 Rio de Janeiro))		
26229	11Ed. 5/6/95 LAST NM 31/03		9/04
	Delete Beacon		
	Add Buoy Y, conical, "X" topmark, Fl Y 3s [Q130.6]		
	(11(57)03 Habana)		
26230	12Ed. 1/28/95 LAST NM 31/03		9/04
	Add Buoy Y, conical, "X" topmark, Fl Y 3s [Q130.6]		
	(11(57)03 Habana)		
27206	18Ed. 2/17/96 LAST NM 30/01		9/04
	Change Shape of buoy to pillar		
	(12(63)03 Habana)		
37032	2Ed. 9/12/98 LAST NM 4/04		9/04
	Add Foul ground symbol [K31]		
	(30(10)03 Brest)		
37360	15Ed. 6/22/96 LAST NM 45/03		9/04
	Substitute Depth 28 meters Wk [K30] (unsurveyed) for wreck		
	(47°40.8'N 4°05.8'W (32(24)03 Brest))		
37400	(INT 1803) 10Ed. 3/12/88 LAST NM 7/04		9/04
	Add Danger circle "Obstr" [K40]		
	(45°48.0'N 1°19.7'W (32(25)03 Brest))		

SECTION I

37420	(INT 1804)	1Ed. 2/27/88 LAST NM 41/03	9/04	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 028° 56°38.0'N 19°10.0'E
Add	Danger circle "Obstr" [K40]	45°48'00"N 1°19'36"W		Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 208° 57°02.0'N 19°23.0'E
	(32(25)03 Brest)			Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 024° 57°30.0'N 19°58.0'E
43030	24Ed. 4/5/97 LAST NM 8/04	9/04		Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 204° 57°50.0'N 20°04.0'E
Add	Swept depth 17.7 meters Wk [K27]	54°36.5'N 10°57.3'E		Legend "DW 25m" 55°49.0'N 16°44.0'E
	(46(16)03 Hamburg)			Legend "DW 25m" 56°09.0'N 18°19.0'E
43373	8Ed. 6/22/96 LAST NM 8/04	9/04		Legend "DW 25m" 56°42.0'N 19°19.0'E
Delete	Buoy	58°55'48"N 11°09'24"E		Legend "DW 25m" 57°39.0'N 20°04.0'E
Add	Buoy G, pillar, QG (42(580)02 Norrkoping)	58°55'50"N 11°09'25"E		Maximum recommended draft "15m" [M6] 55°52.0'N 17°30.0'E
43384	1Ed. 9/14/91 LAST NM 5/04	9/04		Maximum recommended draft "15m" [M6] 56°20.0'N 18°44.0'E
Delete	Buoy	58°19'30"N 11°48'54"E		Maximum recommended draft "15m" [M6] 57°10.0'N 19°40.0'E
Add	Land tint to area (wharf) [F13] bound by shore and solid line joining	58°16'25"N 11°27'24"E 58°16'19"N 11°27'31"E 58°16'17"N 11°27'26"E 58°16'22"N 11°27'18"E		Maximum recommended draft "15m" [M6] 57°55.0'N 20°20.0'E
	(11(299), 16-17(431)00 Norrkoping)			(51-52(731)02, 4(911)03 Norrkoping)
44001	2Ed. 10/19/96 LAST NM 8/04	9/04		
Add	Purple heavy dashed line (limit of traffic lane) [M27.2] joining	56°50.0'N 19°08.2'E 57°22.2'N 19°41.7'E 58°05.2'N 20°16.9'E 57°58.3'N 20°24.4'E 57°18.9'N 19°53.0'E 56°50.0'N 19°23.0'E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 028° 56°55.0'N 19°26.0'E			
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 208° 57°16.0'N 19°38.0'E			
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 024° 57°30.0'N 19°58.0'E			
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 204° 57°50.0'N 20°06.0'E			
	Legend "DW 25m" 57°08.0'N 19°34.0'E			
	Legend "DW 25m" 57°39.0'N 20°02.0'E			
	Maximum recommended draft "15m" [M6] 57°20.0'N 19°40.0'E			
	Maximum recommended draft "15m" [M6] 57°50.0'N 20°10.0'E			
	(51-52(731)02, 4(911)03 Norrkoping)			
44015	8Ed. 7/22/95 LAST NM 8/04	9/04		
Add	Purple heavy dashed line (inside limit of traffic lane) [M27.2] joining	55°39.2'N 15°10.8'E 56°00.3'N 17°40.0'E 56°22.6'N 18°42.8'E 57°22.2'N 19°41.7'E 58°05.2'N 20°16.9'E 57°58.3'N 20°24.4'E		
	Purple heavy dashed line (outside limit of traffic lane) [M27.2] joining	55°39.2'N 15°10.8'E 55°35.2'N 15°30.2'E 55°53.9'N 17°43.8'E 56°17.2'N 18°51.8'E 57°18.9'N 19°53.0'E 57°58.3'N 20°24.4'E		
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 076° 55°42.0'N 16°04.0'E			
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 256° 55°55.0'N 17°12.0'E			
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 039° 56°04.0'N 18°05.0'E			
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 259° 56°16.0'N 18°30.0'E			
44041	7Ed. 4/3/93 LAST NM 8/04	9/04		
	Relocate Buoy from 57°28'29"N 11°46'46"E to (11(295)00 Norrkoping)	57°28'31"N 11°46'40"E		
44042	7Ed. 8/22/92 LAST NM 32/03	9/04		
Add	Buoy BY, spar, double cone topmark points upward	57°39'50.0"N 11°47'15.8"E		
	(24(1221)03 Norrkoping)			
44043	8Ed. 11/30/96 LAST NM 52/03	9/04		
	Relocate Buoy from 57°28'29"N 11°46'46"E to Buoy from 57°19'45"N 11°55'05"E to	57°28'31"N 11°46'40"E 57°19'42"N 11°55'00"E		
Add	Legend "(occas)" [P50] to light	57°21'27"N 11°59'05"E		
	(11(295, 297)00 Norrkoping)			
44044	6Ed. 11/9/96 LAST NM 44/03	9/04		
	Relocate Buoy from 57°19.8'N 11°55.1'E to (11(295)00 Norrkoping)	57°19.7'N 11°55.0'E		
44048	11Ed. 3/9/96 LAST NM 48/03 (Plan B)	9/04		
Change	Characteristic of buoy to Fl(3) G 9s	56°01'45.6"N 12°41'17.4"E		
	(22(426)01 Norrkoping)			
44049	9Ed. 6/15/96 LAST NM 2/04	9/04		
	Substitute Depth 6.6 meters for 6.9 meters	55°35'38"N 12°51'06"E		
Add	Depth 6.7 meters	55°35'41"N 12°53'57"E		
	Depth 6.1 meters	55°35'30"N 12°53'22"E		
	Depth 6.2 meters	55°35'02"N 12°52'13"E		
	Depth 6.9 meters	55°33'57"N 12°50'44"E		
	Depth 6.6 meters	55°33'55"N 12°50'30"E		
	Depth 5.9 meters enclosed by depth contour (6-meter)	55°33'41"N 12°50'53"E		
	(See 1/01-44049)			
	(9(197)01 Norrkoping)			
44051	1Ed. 7/25/92 LAST NM 2/04	9/04		
	Substitute Depth 5.6 meters for 5.8 meters	55°35'08.4"N 12°52'19.2"E		
Add	Depth 6.6 meters	55°34'37.8"N 12°51'06.0"E		
	Depth 5.9 meters	55°34'42.6"N 12°51'39.0"E		
	Depth 5.4 meters	55°34'46.2"N 12°51'49.2"E		
	Depth 6.4 meters	55°34'54.6"N 12°52'07.2"E		
	Depth 6.2 meters	55°35'01.8"N 12°52'12.6"E		
	Depth 5.6 meters	55°35'04.2"N 12°52'43.8"E		
	Depth 6.1 meters	55°35'30.0"N 12°53'22.2"E		
	Depth 6.7 meters	55°35'41.4"N 12°53'57.0"E		
	(9(197)01 Norrkoping)			

SECTION I

NM 9/04

44067	22Ed.	10/19/96	LAST NM 6/04	9/04		Legend "DW 25m"	56°13.0'N 18°25.0'E
	Delete	Swept depth 18.8 meters Wk [K27]	54°36.5'N 10°57.3'E			Maximum recommended draft "15m" [M6]	55°48.0'N 17°10.0'E
Add	Swept depth 10.3 meters Wk [K27]	54°34.0'N 11°00.3'E				Maximum recommended draft "15m" [M6]	56°16.0'N 18°34.0'E
	Depth 22.8 meters Wk [K27]	54°36.6'N 10°57.5'E				Legend "16m"	56°50.0'N 18°20.0'E
	Foul ground symbol [K31]	54°33.3'N 11°00.8'E				Legend "16m"	56°47.0'N 18°25.0'E
	Foul ground symbol [K31]	54°35.0'N 10°50.5'E				Maximum recommended draft "12m" [M6]	56°49.0'N 18°23.0'E
(46(16)03 Hamburg)						Maximum recommended draft "12m" [M6]	56°45.0'N 18°26.0'E
44068	11Ed.	5/18/96	LAST NM 51/03	9/04		(51-52(731)02, 4(911)03 Norrkoping)	
	Add	Swept depth 17.7 meters wk [K27]	54°44.1'N 12°53.2'E				
(46(16)03 Hamburg)							
44069	16Ed.	3/15/97	LAST NM 40/03	9/04			
Delete	Buoy "T 4"	54°21.5'N 10°38.2'E					
	Swept depth 18.8 meters Wk [K27]	54°36.5'N 10°57.3'E					
Relocate	Buoy "P6" from 54°23.5'N 10°41.3'E to	54°23.5'N 10°39.7'E					
Change	Designation of buoy "T 17-P 5" to "Warn-G.T 17-p 4"	54°21.9'N 10°38.8'E					
	Designation of buoy "T 9" to "T9-P 6"	54°24.8'N 10°40.5'E					
Add	Swept depth 10.3 meters Wk [K27]	54°34.0'N 11°00.3'E					
	Swept depth 22.8 meters Wk [K27]	54°36.6'N 10°57.5'E					
	Foul ground symbol [K31]	54°33.3'N 11°00.8'E					
	Foul ground symbol [K31]	54°35.0'N 10°50.5'E					
(19(16), 46(16)03 Hamburg)							
44081	9Ed.	3/16/96	LAST NM 48/03	9/04			
	Add	Swept depth 17.7 meters Wk [K27]	54°44'05"N 12°53'13"E				
(46(16)03 Hamburg)							
44100	7Ed.	3/9/96	LAST NM 6/04	9/04			
	Add	Swept depth 17.7 meters Wk [K27]	55°44.1'N 12°53.2'E				
(46(16)03 Hamburg)							
44120	7Ed.	2/22/97	LAST NM 5/04	9/04			
Add	Purple heavy dashed line (limit of traffic lane) [M27.2] joining	55°50.2'N 16°34.5'E					
		55°39.2'N 15°10.8'E					
		55°35.2'N 15°30.2'E					
		55°44.0'N 16°34.5'E					
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 076°	55°40.0'N 15°53.0'E					
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 256°	55°47.0'N 16°12.0'E					
	Legend "DW 25m"	55°43.0'N 16°10.0'E					
	Maximum recommended draft "15m" [M6]	55°46.0'N 16°20.0'E					
(51-52(731)02 Norrkoping)							
44140	8Ed.	7/20/96	LAST NM 50/03	9/04			
Add	Purple heavy dashed line (inside limit of traffic lane) [M27.2] joining	55°46.0'N 16°01.0'E					
		56°00.3'N 17°40.0'E					
		56°22.6'N 18°42.8'E					
		56°30.5'N 19°50.0'E					
	Purple heavy dashed line (outside limit of traffic lane) [M27.2] joining	55°39.3'N 16°01.0'E					
		55°53.9'N 17°43.8'E					
		56°16.7'N 18°50.0'E					
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 076°	55°45.0'N 16°30.0'E					
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 256°	55°56.0'N 17°22.0'E					
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 039°	56°02.0'N 18°04.0'E					
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 259°	56°18.0'N 18°33.0'E					
	Legend "DW 25m"	55°51.0'N 17°00.0'E					
44160	7Ed.	4/5/97	LAST NM 5/04	9/04			
Add	Buoy G, pillar, Fl G 3s	58°49.7'N 17°46.8'E					
	Buoy G, pillar, Fl G 3s	58°47.9'N 17°46.5'E					
	Legend "16m"	56°50.0'N 18°20.0'E					
	Legend "16m"	56°47.0'N 18°25.0'E					
	Maximum recommended draft "12m" [M6]	56°49.0'N 18°23.0'E					
	Maximum recommended draft "12m" [M6]	56°45.0'N 18°26.0'E					
(3(36)02, 4(911)03 Norrkoping)							
44161	2Ed.	6/8/96	LAST NM 8/04	9/04			
	(Plan Kalmar)						
Add	Danger circle "Current meter"	56°39'33.5"N 16°22'53.1"E					
(9(188)01 Norrkoping)							
44162	1Ed.	3/25/89	LAST NM 47/03	9/04			
Change	Characteristic of buoy "4" to Fl(2) G 6s	58°37'51.6"N 16°18'32.4"E					
	Characteristic of buoy "6" to QG	58°37'47.4"N 16°18'13.8"E					
(19(1137)03 Norrkoping)							
44165	1Ed.	10/6/90	LAST NM 2/04	9/04			
Change	Buoy to G, pillar, Fl G 3s	58°47'53"N 17°46'29"E					
(3(36)02 Norrkoping)							
44181	5Ed.	4/6/96	LAST NM 8/04	9/04			
Add	Rock awash [K12]	59°14'17.4"N 18°46'19.2"E					
(16-17(417)00 Norrkoping)							
44185	7Ed.	3/23/96	LAST NM 50/03	9/04			
Add	Rock awash [K12]	59°14'17.4"N 18°46'19.2"E					
(16-17(417)00 Norrkoping)							
44192	1Ed.	12/18/93	LAST NM 8/04	9/04			
Delete	Buoy	59°16'23"N 17°51'19"E					
	Buoy	59°16'20"N 17°51'26"E					
Relocate	Buoy from 59°19'23"N 17°31'19"E to	59°19'23"N 17°31'30"E					
Add	Buoy R, spar	59°19'45"N 17°30'04"E					
	Submarine cable [L30.1] between	59°16'24"N 17°50'51"E					
		59°15'36"N 17°51'00"E					
(11(286, 287, 289)00, 45(622)02 Norrkoping)							
44193	1Ed.	7/16/94	LAST NM 6/04	9/04			
Add	Rock awash [K12]	59°028'10"N 16°58'51"E					
	Depth 4.2 meters	59°34'27"N 17°04'38"E					
	Depth 4.5 meters	59°34'45"N 17°04'00"E					
(42(576), 45(621)02 Norrkoping)							
44204	1Ed.	12/27/86	LAST NM 50/03	9/04			
Delete	Buoy	60°54'54"N 17°20'18"E					
	Buoy	60°57'24"N 17°15'24"E					
Change	Buoy to R, spar	60°56'36"N 17°16'49"E					
Add	Buoy G, spar, cone topmark	60°55'50"N 17°18'23"E					
	Buoy G, spar, cone topmark	60°54'54"N 17°20'09"E					
	Buoy R, spar, can topmark	60°57'26"N 17°15'28"E					
(19(1129)03 Norrkoping)							

44207	1Ed. 11/22/86	LAST NM 50/03 (Plan B)	9/04	
Delete	Buoy	60°54'54.0"N 17°20'18.0"E		
	Buoy	60°57'24.0"N 17°15'24.0"E		
Change	Buoy to R, spar	60°56'36.0"N 17°16'48.6"E		
Add	Buoy G, spar, cone topmark	60°55'49.9"N 17°18'23.4"E		
	Buoy G, spar, cone topmark	60°54'54.5"N 17°20'08.9"E		
	Buoy R, spar, can topmark	60°57'26.3"N 17°15'28.1"E		
	(19(1129)03 Norrkoping)			
44410	4Ed. 2/8/97	LAST NM 3/04	9/04	
Add	Purple heavy dashed line (limit of traffic lane) [M27.2] joining	57°30.5"N 19°48.0"E 58°05.2"N 20°16.9"E 57°58.3"N 20°24.4"E 57°30.5"N 20°22.5"E		
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 024°	57°37.0"N 20°05.0"E		
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 204°	57°54.0"N 20°09.0"E		
	Legend "DW 25m"	57°46.0"N 20°05.0"E		
	Maximum recommended draft "15m" [M6]	57°50.0"N 20°25.0"E		
	(51-52(731)02, 4(911)03 Norrkoping)			
44420	6Ed. 12/14/96	LAST NM 8/04	9/04	
Add	Purple heavy dashed line (inside limit of traffic lane) [M27.2] joining	56°12.3"N 18°13.5"E 56°22.6"N 18°42.8"E 57°22.2"N 19°41.7"E 57°45.0"N 20°00.6"E		
	Purple heavy dashed line (outside limit of traffic lane) [M27.2] joining	56°12.3"N 18°36.5"E 56°17.2"N 18°51.8"E 57°18.9"N 19°53.0"E 57°45.0"N 20°13.8"E		
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 039°	56°15.0"N 18°40.0"E		
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 259°	56°19.0"N 18°37.0"E		
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 028°	56°38.0"N 19°10.0"E		
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 208°	57°12.0"N 19°33.0"E		
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 024°	57°25.0"N 19°56.0"E		
	Purple open-outline dashed arrow indicating recommended flow of traffic [M11] oriented 204°	57°39.0"N 19°57.0"E		
	Legend "DW 25m"	56°56.0"N 18°35.0"E		
	Legend "DW 25m"	56°42.0"N 19°10.0"E		
	Legend "DW 25m"	57°37.0"N 20°00.0"E		
	Maximum recommended draft "15m" [M6]	56°20.0"N 18°44.0"E		
	Maximum recommended draft "15m" [M6]	56°48.0"N 19°15.0"E		
	Maximum recommended draft "15m" [M6]	57°40.0"N 20°05.0"E		
	Legend "16m"	56°50.0"N 18°20.0"E		
	Legend "16m"	56°47.0"N 18°25.0"E		
	Maximum recommended draft "12m" [M6]	56°49.0"N 18°23.0"E		
	Maximum recommended draft "12m" [M6]	56°45.0"N 18°26.0"E		
	(51-52(731)02, 4(911)03 Norrkoping)			
51007	22Ed. 12/18/93	LAST NM 40/03	9/04	
Delete	Depth 600 meters (20(307)03 Lisboa)	40°39.3"N 9°43.9"W		
51143	4Ed. 12/15/01	LAST NM 45/03	9/04	
Add	Legend "(91)" [E4] to position circle (20(313)03 Lisboa)	38°42'03.0"N 9°16'02.5"W		
51144	3Ed. 12/15/01	LAST NM 46/03	9/04	
Add	Legend "(91)" [E4] to position circle (20(313)03 Lisboa)	38°42'03.0"N 9°16'02.5"W		
51150	(INT 1811)	1Ed. 3/24/90	LAST NM 46/03	9/04
Add	Depth 32 meters (20(315)03 Lisboa)	37°55.3"N 8°53.1"W		
51154	3Ed. 12/30/95	LAST NM 6/04	9/04	
Add	Depth 1.7 meters Obstn Depth 1.3 meters Depth 1 meter Depth 0.6 meter (16(280), 18(298)03 Lisboa)	37°07'04.4"N 8°37'05.4"W 37°07'08.6"N 8°37'09.6"W 37°07'09.2"N 8°37'06.6"W 37°05'57.8"N 8°39'54.6"W		
53089	4Ed. 4/30/94	LAST NM 41/03	9/04	
Add	Depth 3 meters Wk [K30] (unsurveyed) (PD) (29(37)03 Brest)	43°16'18.1"N 6°37'42.2"E		
55040	4Ed. 7/31/99	LAST NM 6/04	9/04	
Add	Buoy (mooring) [Q40] (PA) (5(23)03 Istanbul)	40°34.5"N 28°28.9"E		
55042	1Ed. 4/12/86	LAST NM 37/03	9/04	
Add	Buoy (mooring) [Q40] (PA) (5(23)03 Istanbul)	40°34'32"N 28°28'52"E		
55045	2Ed. 5/17/86	LAST NM 3/04	9/04	
Relocate	Buoy (mooring) from 40°23'10"N 27°48'50"E to (49(221)02 Istanbul)	40°23'09"N 27°48'56"E		
55046	4Ed. 11/30/96	LAST NM 8/04	9/04	
Add	Buoy (mooring) [Q40] (PA) (5(23)03 Istanbul)	40°34'32"N 28°28'52"E		
55085	9Ed. 9/21/96	LAST NM 50/03	9/04	
Add	Buoy BY, pillar, double cone topmark points upward, Q Buoy BY, pillar, double cone topmark points upward, Q Buoy YBY, pillar, double cone topmark points together, Q(9) 15s Buoy BY, pillar, double cone topmark points upward, Q "ANCH AREA NO 359" [N12.2] bound by dashed line joining (2(54)99 St. Petersburg)	46°33.0"N 31°13.8"E 46°33.8"N 31°12.5"E 46°34.2"N 31°17.7"E 46°33.4"N 31°16.2"E 46°33.0"N 31°13.8"E 46°33.8"N 31°12.5"E 46°34.2"N 31°17.7"E 46°33.4"N 31°16.2"E		
55101	4Ed. 8/24/96	LAST NM 6/04	9/04	
Add	Danger circle [K40] "Obstn" (7(698)99 St. Petersburg)	46°55'34"N 31°56'58"E		
55105	7Ed. 2/6/99	LAST NM 3/04	9/04	
Add	Submarine cable [L30.1] joining (15(2013)99 St. Petersburg)	43°36.6"N 39°42.2"E 43°35.7"N 39°40.8"E 43°33.4"N 39°41.0"E 43°26.9"N 39°41.1"E 43°14.4"N 39°46.8"E 42°51.5"N 40°03.8"E 42°01.3"N 41°26.2"E 42°04.8"N 41°38.0"E 42°07.8"N 41°39.7"E		

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NM 9/04

55128	2Ed. 3/18/00 LAST NM 6/04 Add "AREA NO 671 ANCHORING AND FISHING PROHIBITED" bound by purple composite-line circle, radius 0.27 mile, centered	9/04 44°35'57.5"N 37°52'47.2"E	44°19.7"N 38°34.6"E 44°20.5"N 38°35.4"E
	"Explosives Dumping Area" [N23] bound by purple dashed-line circle, radius 0.2 mile, centered	44°36'18.6"N 37°55'21.6"E	Light Fl R 3s 2M, Iso R 4s 4M 44°20.3"N 38°35.9"E
	"Explosives Dumping Area" [N23] bound by purple dashed-line lesser arc of a circle, radius 0.5 mile, centered 550 meters S of position	44°35'30.0"N 37°52'31.8"E	Range line extending in 210°24' direction from above light dashed for 2 miles
	arc between	44°35'30.0"N 37°51'57.5"E 44°35'30.0"N 37°53'03.5"E	Legend "Lts in line 030°24'" along above range line 44°19.6"N 38°35.3"E (42(6798)03 St. Petersburg)
Delete	(Plan) Light (See 50/03-55128) (42(6794, 6796, 6797)03 St. Petersburg)	44°43'37.7"N 37°46'53.7"E	
55129	7Ed. 6/15/96 LAST NM 6/04 Add "Explosives Dumping Area" [N23] bound by purple dashed-line circle, radius 0.2 mile, centered	9/04 44°36'19"N 37°55'22"E	
	"Explosives Dumping Area" [N23] bound by purple dashed-line circle, radius 0.5 mile, centered	44°35'12"N 37°52'32"E	"Anch Area 463" [N12.2] bound by dashed line joining 47°00.8"N 38°35.9"E 47°01.8"N 38°36.7"E 47°01.8"N 38°38.9"E 47°00.8"N 38°38.1"E
	(42(6797)03 St. Petersburg)		Foul ground symbol [K31] 46°34.2"N 36°15.4"E (4(315), 12(1588)99 St. Petersburg)
55130	2Ed. 2/8/97 LAST NM 6/04 Add Purple dashed-line circle with legend "Unexpl ordn" (7(695)99 St. Petersburg)	9/04 45°15.1'N 30°11.0'E	
55131	1Ed. 11/16/96 LAST NM 6/04 Add Purple dashed-line circle with legend "Unexploded ordnance" (7(695)99 St. Petersburg)	9/04 45°15.1'N 30°11.0'E	
55138	4Ed. 8/31/96 LAST NM 6/04 Add Submarine cable [L30.1] joining	9/04 42°03'43"N 41°34'00"E 42°04'48"N 41°38'00"E 42°06'00"N 41°39'00"E 42°07'08"N 41°39'35"E 42°07'10"N 41°39'27"E 42°07'13"N 41°39'21"E 42°07'47"N 41°39'45"E	
	(15(2013)99 St. Petersburg)		
55140	2Ed. 9/28/96 LAST NM 2/04 Change Light to 2 FR 4M (9(1059)99 St. Petersburg)	9/04 44°30.2'N 34°12.4'E	
55170	2Ed. 10/5/96 LAST NM 6/04 Add Submarine cable [L30.1] joining	9/04 43°36.6'N 39°42.2"E 43°36.3'N 39°41.0"E 43°35.7'N 39°40.8"E 43°33.4'N 39°41.0"E 43°26.9'N 39°41.1"E 43°14.4'N 39°46.8"E 42°51.5'N 40°03.8"E 42°30.0'N 40°39.0"E 42°01.3'N 41°26.2"E 42°04.8'N 41°38.0"E 42°07.8'N 41°39.7"E	
	(15(2013)99 St. Petersburg)		
55180	2Ed. 10/12/96 LAST NM 2/04 Change Line 3 of Caution No. 2 to "prohibited in Areas 630, 635, 652, 661 and 664." (See 36/03-55180)	9/04 44°36.2'N 39°07.5'E	
Add	"AREA NO 652 CAUTION NO 2" [N20] bound by shore and purple composite line joining	44°19.9'N 38°36.5"E 44°18.0'N 38°34.9"E 44°16.2'N 38°31.7"E 44°19.1'N 38°24.1"E 44°21.3'N 38°27.1"E	
55190	2Ed. 10/5/96 LAST NM 6/04 Add "Anch Area 462" [N12.2] bound by dashed line joining	9/04 46°58.5'N 38°26.9"E 46°59.8'N 38°26.9"E 46°59.8'N 38°29.4"E 46°58.6'N 38°29.4"E	
	"Anch Area 463" [N12.2] bound by dashed line joining (4(315), 12(1588)99 St. Petersburg)	47°00.8'N 38°35.9"E 47°01.8'N 38°36.7"E 47°01.8'N 38°38.9"E 47°00.8'N 38°38.1"E	
61130	3Ed. 12/2/95 LAST NM 28/02 Delete Beacon	9/04 21°09.8'S 35°07.3"E	
Add	Beacon "No 2 (17)" W Buoy "No 2" R, spar Buoy "No 4" R, conical, can topmark Anchorage symbol [N10] (BA CH 642)	21°10.8'S 35°04.1"E 21°07.9'S 35°06.3"E 21°08.6'S 35°06.3"E 21°09.7'S 35°06.9"E	
61140	5Ed. 11/29/97 LAST NM 27/02 Delete Buoy "P"	9/04 19°52.7'S 34°57.3"E	
Add	Buoy "P" R, pillar, can topmark, Fl R 3s (BA CH 1003)	19°52.7'S 34°57.7"E	
61141	6Ed. 8/10/91 LAST NM 35/03 Delete Beacon	9/04 20°08'30"S 34°46'46"E	
Substitute	Dangerous wreck [K28] for stranded wreck (19(49)47"S 34°49'36"E)	19°49'47"S 34°49'36"E	
Change	Characteristic of buoy "P" to Fl R 3s Characteristic of buoy "2" to Fl(2) R 6s Characteristic of buoy "4" to Fl R 5s Characteristic of buoy "1" to Fl G 2s (See 35/03-61141)	19°52'42"S 34°57'42"E 19°52'52"S 34°55'22"E 19°52'48"S 34°53'31"E 19°52'52"S 34°52'34"E	
Add	Submarine cable [L30.1] joining Position circle "Fort (ru)" (BA CH 642, 1003)	19°50'28"S 34°54'11"E 19°50'34"S 34°56'30"E 19°50'34"S 35°03'35"E 19°52'50"S 35°10'19"E 20°10'38"S 34°45'41"E	
61142	6Ed. 6/29/91 LAST NM 39/03 Relocate Buoy from 19°50'22.8"S 34°49'40.2"E to 19°50'16.5"S 34°49'42.0"E	9/04 19°49'45.5"S 34°49'36.0"E	
Substitute	Dangerous wreck [K28] for stranded wreck (19°49'45.5"S 34°49'36.0"E)	19°49'45.5"S 34°49'36.0"E	
Change	Characteristic of buoy "8" to Fl(2) R 6s Characteristic of buoy "7" to Fl G 5s Characteristic of buoy "1" to Fl G 2s Characteristic of buoy "4" to Fl R 5s (19°53'44.8"S 34°50'06.0"E) (19°52'58.9"S 34°49'45.1"E) (19°52'50.9"S 34°52'33.9"E) (19°52'46.2"S 34°53'31.5"E)	19°53'44.8"S 34°50'06.0"E 19°52'58.9"S 34°49'45.1"E 19°52'50.9"S 34°52'33.9"E 19°52'46.2"S 34°53'31.5"E	

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61142	(Continued)			
	Characteristic of buoy "11" to Fl(2) G 6s			
	19°51'31.0"S 34°49'22.5"E			
	Period of buoy "9" to 3s	19°52'14.8"S 34°49'29.5"E		
	Period of buoy "13" to 2s	19°50'51.0"S 34°49'18.0"E		
	Period of buoy "10" to 5s	19°50'46.5"S 34°49'11.2"E		
	Period of buoy "W" to 3s	19°49'51.0"S 34°49'36.5"E		
	(See 35, 39/03-61142)			
Add	Light Q(3) R to buoy "6A"	19°53'20.1"S 34°51'26.2"E		
	Light Fl G 3s to buoy "3A"	19°53'42.7"S 34°50'50.5"E		
	Buoy "I" R, spar	19°47'51.0"S 34°49'28.0"E		
	Church symbol [F10.1] with legend "Spire (R Lt) PA"	19°49'40.0"S 34°50'37.0"E		
	Legend "Numerous stranded wrecks"	19°50'32.0"S 34°49'52.0"E		
	(BA CH 642, 1003)			
61190	4Ed. 3/21/98 LAST NM 41/02	9/04		
Change	Period of buoy to 5s	7°41.7'S 39°39.5"E		
	(BA CH 1032)			
62001	5Ed. 2/1/03 LAST NM 50/03	9/04		
Substitute	Depth 525 meters for 583 meters	26°50.5'N 34°20.0"E		
	(40(4336)03 Taunton)			
62110	9Ed. 8/5/00 LAST NM 26/03	9/04		
Substitute	Depth 1.7 meters for 7 meters	13°27'00"N 42°34'42"E		
	(1(113)04 Taunton)			
62230	2Ed. 12/29/90 LAST NM 50/03	9/04		
Delete	Depth 583 meters	26°50.5'N 34°20.0"E		
Add	Depth 525 meters	26°51.6'N 34°20.4"E		
	(40(4336)03 Taunton)			
62366	4Ed. 5/10/03 LAST NM 33/03	9/04		
Delete	Purple dashed line between	25°25'00"N 56°30'00"E		
	25°19'30"N 56°30'00"E			
Add	Purple dashed line (anchorage limit) joining	25°25'00"N 56°30'00"E		
	25°25'00"N 56°31'00"E			
	25°19'30"N 56°31'00"E			
	25°19'30"N 56°30'00"E			
	(25(2706)03 Taunton)			
62406	2Ed. 5/13/95 LAST NM 28/03	9/04		
Add	Anchorage area [N12.1] bound by dashed line	25°37'00"N 55°34'00"E		
	joining	25°38'00"N 55°33'12"E		
		25°39'00"N 55°34'30"E		
		25°37'42"N 55°35'12"E		
	Pilot station symbol [T1.1]	25°38'00"N 55°34'30"E		
	(48(5209)03 Taunton)			
62451	7Ed. 2/18/95 LAST NM 5/04	9/04		
Relocate	Buoy "6" from 28°33'00"N 48°47'12"E to	28°32'45"N 48°46'40"E		
	Buoy "7" from 28°33'35"N 48°45'44"E to	28°33'37"N 48°45'38"E		
Add	Depth 20 meters enclosed by depth contour (20-meter)	28°32'43"N 48°46'43"E		
	Depth 28.5 meters enclosed by depth contour (30-meter)	28°35'00"N 48°54'26"E		
	(40(4337)03 Taunton)	28°35'06"N 48°57'06"E		
62460	4Ed. 8/26/95 LAST NM 10/03	9/04		
Add	Anchorage area [N12.1] bound by dashed line	25°37'00"N 55°34'00"E		
	joining	25°38'00"N 55°33'12"E		
		25°39'00"N 55°34'30"E		
		25°37'42"N 55°35'12"E		
	Pilot station symbol [T1.1]	25°38'00"N 55°34'30"E		
	(48(5209)03 Taunton)			
62480	2Ed. 3/1/03 LAST NM 8/04	9/04		
Add	Danger circle "Well" [L21.1]	(48(5254)03 Taunton)	26°30.7'N 52°04.9"E	
62490	2Ed. 3/1/03 LAST NM 50/03	9/04		
Add	Danger circle "Well" [L21.1]	(48(5254)03 Taunton)	26°30.7'N 52°04.9"E	
62510	3Ed. 2/1/03 LAST NM 8/04	9/04		
Add	Pilot station symbol [T1.1]	(48(5209)03 Taunton)	25°38.0'N 55°34.5"E	
62512	3Ed. 2/1/03 LAST NM N8/04	N9/04		
Add	Pilot station symbol [T1.1]	(48(5209)03 Taunton)	25°38.0'N 55°34.5"E	
62520	6Ed. 3/15/03 LAST NM 8/04	9/04		
Add	Danger circle "Well" [L21.1]	(48(5254)03 Taunton)	26°30.7'N 52°04.9"E	
62521	4Ed. 3/15/03 LAST NM N8/04	N9/04		
Add	Danger circle "Well" [L21.1]	(48(5254)03 Taunton)	26°30.7'N 52°04.9"E	
62530	6Ed. 3/8/03 LAST NM 52/03	9/04		
Add	Danger circle "Well" [L21.1]	(48(5254)03 Taunton)	26°30.7'N 52°04.9"E	
62531	4Ed. 3/8/03 LAST NM N52/03	N9/04		
Add	Danger circle "Well" [L21.1]	(48(5254)03 Taunton)	26°30.7'N 52°04.9"E	
62540	6Ed. 1/26/02 LAST NM 50/03	9/04		
Relocate	Buoy "6" from 28°33.0'N 48°47.2'E to	28°32.8'N 48°46.7'E		
	Substitute Depth 20 meters for 20.5 meters	(40(4337)03 Taunton)	28°32.7'N 48°46.7'E	
62541	3Ed. 1/26/02 LAST NM N50/03	N9/04		
Relocate	Buoy "6" from 28°33.0'N 48°47.2'E to	28°32.8'N 48°46.7'E		
	Substitute Depth 20 meters for 20.5 meters	(40(4337)03 Taunton)	28°32.7'N 48°46.7'E	
62550	3Ed. 2/22/03 LAST NM 5/04	9/04		
Add	Danger circle "Well" [L21.1]	(48(5254)03 Taunton)	26°30'41"N 52°04'52"E	
62560	4Ed. 3/1/03 LAST NM 8/04	9/04		
Delete	Depth 20.5 meters	28°32'36"N 48°47'00"E		
	Depth 32 meters	28°34'42"N 48°54'30"E		
	Depth 37 meters	28°35'18"N 48°57'24"E		
Relocate	Buoy "6" from 28°33'00"N 48°47'12"E to	28°32'45"N 48°46'40"E		
Add	Depth 20 meters	28°32'43"N 48°46'43"E		
	Depth 28.5 meters	28°35'00"N 48°54'26"E		
	Depth 29 meters	28°35'06"N 48°57'06"E		
	(40(4337)03 Taunton)			
62570	4Ed. 1/26/02 LAST NM 5/04	9/04		
Delete	Depth 20.5 meters	28°32'36"N 48°47'00"E		
	Depth 32 meters	28°34'42"N 48°54'30"E		
	Depth 37 meters	28°35'18"N 48°57'24"E		
Relocate	Buoy "6" from 28°33'00"N 48°47'12"E to	28°32'45"N 48°46'40"E		
Add	Depth 20 meters	28°32'43"N 48°46'43"E		
	Depth 28.5 meters	28°35'00"N 48°54'26"E		
	Depth 29 meters	28°35'06"N 48°57'06"E		
	(40(4337)03 Taunton)			

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62580	3Ed. 1/16/99 LAST NM 35/03 Relocate Buoy "No 7" from 28°33'35"N 48°45'44"E to 28°33'37"N 48°45'38"E	9/04	72035	8Ed. 9/26/98 LAST NM 27/03 Add Purple dashed line with legend "ASL (see Note)" joining	9/04
Add	Depth 20 meters enclosed by depth contour (20-meter) 28°32'43"N 48°46'43"E (40(4337)03 Taunton)			6°30.0'S 116°55.0'E 7°00.0'S 116°50.0'E 8°00.0'S 116°00.0'E 9°01.0'S 115°36.0'E	
63271	8Ed. 7/10/93 LAST NM 8/03 Relocate Superbuoy ODAS "SW6" from 13°11'28"N 80°22'29"E to 13°11'28"N 80°22'41"E and change characteristic to Fl(5) 15s	9/04		Note from Subsection I-2 in right lower margin of chart (NTM0009/2003)	
Add	Superbuoy ODAS [Q58] "Test 1" Y, Fl(5) 15s Ra Ref 13°14'04"N 80°20'47"E (2(55)03 Dehra Dun)		72045	2Ed. 1/24/98 LAST NM 27/03 Add Purple dashed line with legend "ASL (see Note)" joining	9/04
63310	5Ed. 9/17/83 LAST NM 11/03 Add Anchorage symbol [N10] Anchorage symbol [N10]	9/04		6°11.0'S 116°58.0'E 7°00.0'S 116°50.0'E 8°00.0'S 116°00.0'E 9°01.0'S 115°36.0'E	
63320	8Ed. 7/23/94 LAST NM 49/03 Delete Anchorage symbol	9/04		Note from Subsection I-2 in right lower margin of chart (NTM0009/2003)	
Add	Anchorage symbol [N10] Anchorage symbol [N10]	20°11'32"N 86°44'52"E 20°11'32"N 86°41'52"E	72085	3Ed. 1/18/03 LAST NM 50/03 Add Purple dashed line with legend "ASL (see Note)" joining	9/04
	(2(56)03 Dehra Dun)			3°05.0'S 118°17.0"E 3°45.0'S 118°17.0"E 5°28.0'S 117°05.0"E 6°15.0'S 116°57.3"E	
63324	1Ed. 7/5/86 LAST NM 6/02 Delete "General Anchorage" area centered 20°13'03.6"N 86°42'33.0"E "Tanker Anchorage" area centered 20°13'03.6"N 86°43'57.0"E	9/04		Note from Subsection I-2 in right upper margin of chart (NTM0009/2003)	
Add	"General Anchorage" area bound by dashed-line circle, radius 0.75 mile, centered 20°11'32.4"N 86°41'52.2"E "Tanker Anchorage" area bound by purple dashed-line circle, radius 0.75 mile, centered 20°11'32.4"N 86°44'52.2"E		72105	2Ed. 7/6/96 LAST NM 50/03 Add Purple dashed line with legend "ASL (see Note)" joining	9/04
	(2(56)03 Dehra Dun)			0°16.0'S 118°55.7"E 2°40.0'S 118°17.0"E 3°20.0'S 118°17.0"E	
72007	10Ed. 8/31/96 LAST NM 50/03 Add Purple dashed line with legend "(ASL see Note)" joining	9/04		Note from Subsection I-2 in right lower margin of chart (NTM0009/2003)	
	1°05.0'S 118°42.5"E 2°40.0'S 118°17.0"E 3°45.0'S 118°17.0"E 5°28.0'S 117°05.0"E 7°00.0'S 116°50.0"E 8°00.0'S 116°00.0"E 9°01.0'S 115°36.0"E		72110	9Ed. 3/9/96 LAST NM 15/02 Add Purple dashed line with legend "ASL (see Note)" joining	9/04
	Note from Subsection I-2 in right lower margin of chart (NTM0009/2003)			0°57'00"N 119°33'00"E 0°00'00" 119°00'00"E 0°28'30"S 118°52'18"E	
72014	10Ed. 9/21/96 LAST NM 19/03 Add Purple dashed line with legend "ASL (see Note)" joining	9/04		Note from Subsection I-2 in right lower margin of chart (NTM0009/2003)	
	0°57.0'N 119°33.0'E 0°00.0' 119°00.0'E 1°30.0'S 118°35.8'E		72120	3Ed. 8/23/80 LAST NM 44/00 Add Purple dashed line with legend "ASL (see Note)" between	9/04
	Note from Subsection I-2 (NTM0009/2003)	0°00.5'S 116°47.0'E		0°57'00"N 118°13'00"E 0°57'00"N 119°33'00"E 0°52'00"N 119°30'06"E	
72021	8Ed. 11/30/96 LAST NM 50/03 Add Purple dashed line with legend "ASL (see Note)" joining	9/04		Note from Subsection I-2 (NTM0009/2003)	
	0°57.0'N 119°33.0'E 0°00.0' 119°00.0'E 2°40.0'S 118°17.0'E 3°45.0'S 118°17.0'E 5°28.0'S 117°05.0'E 7°00.0'S 116°50.0'E 8°00.0'S 116°00.0'E 9°01.0'S 115°36.0'E		72173	2Ed. 2/3/96 LAST NM 15/02 Add Purple dashed line with legend "ASL (see Note)" joining	9/04
	Note from Subsection I-2 (NTM0009/2003)	2°00.0'S 113°00.0'E		0°57.0'N 119°33.0'E 0°00.0' 119°00.0'E 0°40.0'S 118°49.2'E	
				Note from Subsection I-2 (NTM0009/2003)	
			72203	2Ed. 11/15/97 LAST NM 16/02 Add Purple dashed line with legend "ASL (see Note)" joining	9/04
				7°55'00"S 116°04'12"E 8°00'00"S 116°00'00"E 9°01'00"S 115°36'00"E	
				Note from Subsection I-2 (NTM0009/2003)	
74272	7Ed. 8/23/97 LAST NM 30/03 Change Light to Fl WR 5s 18m 11/7M and add sector red 134°-157° (22(605)99 Wollongong)	9/04		8°43'00"S 116°20'00"E 12°53'12"S 143°35'42"E	

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75132	11Ed. 3/19/94 LAST NM 35/03 Delete Dashed line and legend "Port Adelaide Port Limits" between	9/04 34°51'12.6"S 138°28'34.8"E 34°51'12.6"S 138°26'07.0"E	★81048 9Ed. 10/03 LAST NM 8/04 Relocate Buoy (FAD) "2" from	9/04 13°35'36"N 144°45'36"E
Add Dashed line with legend "Port Adelaide Port Limits" [N49] joining	34°47'26.4"S 138°29'05.4"E 34°47'54.6"S 138°28'48.6"E 34°47'54.6"S 138°26'07.0"E	(22(611)99 Wollongong)	13°39'54"N 144°46'06"E	13°39'54"N 144°46'06"E
75134	3Ed. 11/18/95 LAST NM 45/03 (Plan A) Delete Dashed line and legend "Harbor Limits" joining	9/04 34°51'16.0"S 138°28'42.0"E 34°51'16.0"S 138°24'58.0"E 34°47'54.6"S 138°24'15.0"E	13°35'36"N 144°45'36"E	13°35'36"N 144°45'36"E
Add Dashed line with legend "Port Adelaide Port Limits" [N49] joining	34°47'26.4"S 138°29'05.4"E 34°47'54.6"S 138°28'48.6"E 34°47'54.6"S 138°24'15.0"E	(22(611)99 Wollongong)	13°39'54"N 144°46'06"E	13°39'54"N 144°46'06"E
75142	5Ed. 4/27/96 LAST NM 35/03 (Plan B) Change Characteristic of beacon "36" to QR 33°08'24.0"S 138°00'45.0"E Characteristic of beacon "40" to QR 33°08'52.0"S 138°00'46.5"E Characteristic of beacon "46" to QR 33°10'05.0"S 138°00'55.0"E Characteristic of beacon "39" to QG 33°08'53.3"S 138°00'43.0"E Characteristic of beacon "41" to QG 33°09'12.0"S 138°00'51.5"E Characteristic of beacon "47" to QG 33°10'01.0"S 138°00'51.5"E	9/04	13°35'36"N 144°45'36"E	13°35'36"N 144°45'36"E
	(Plan C) Change Characteristic of beacon "46" to QR 33°10'05.0"S 138°00'55.5"E Characteristic of beacon "47" to QG 33°10'01.0"S 138°00'51.5"E	(22(610)99 Wollongong)	13°35'36"N 144°45'36"E	13°35'36"N 144°45'36"E
81004	3Ed. 7/03 LAST NM 43/03 Relocate Buoy (FAD) "2" from 13°35.6'N 144°44.8'E to 13°35.6'N 144°45.6'E and change designation from to "J" Buoy (FAD) "3" from 13°39.9'N 144°45.2'E to 13°39.9'N 144°46.1'E and change designation from to "K" Buoy (FAD) "AGAT" from 13°28.3'N 144°33.8'E to 13°23.3'N 144°33.9'E and change designation to "G"	9/04	13°35.6'N 144°45.6'E	13°35.6'N 144°45.6'E
Change Designation of buoy (FAD) "COCOS" to "B" 13°12.0'N 144°41.7'E Designation of buoy (FAD) "9-MILE" to "C" 13°15.1'N 144°28.7'E	13°39.9'N 144°46.1'E	13°39.9'N 144°46.1'E		
Buoy to "D" Y, Fl Y 4s (Priv) with legend "FAD" 13°17.0'N 144°37.0'E Designation of buoy (FAD) "FACPI 2" to "E" 13°19.8'N 144°33.3'E Designation of buoy (FAD) "FACPI" to "F" 13°20.4'N 144°36.5'E	13°39.9'N 144°46.1'E	13°39.9'N 144°46.1'E		
Buoy to "H" Y, Fl Y 4s (Priv) with legend "FAD" 13°32.2'N 144°43.1'E Designation of buoy (FAD) "4" to "L" 13°43.3'N 144°43.3'E Designation of buoy (FAD) "5" to "M" 13°44.7'N 144°48.4'E	13°39.9'N 144°46.1'E	13°39.9'N 144°46.1'E		
Designation of buoy (FAD) "OLD NOAA" to "N" 13°43.5'N 144°40.8'E Designation of buoy (FAD) "LEDGE" to "R" 13°36.0'N 144°40.4'E	13°42.6'N 145°01.6'E	13°42.6'N 145°01.6'E		
	(52/03 CG14)			
96941	8Ed. 5/31/97 LAST NM 47/03 Change Visibility (range) of light to 8M (51(1866)03 Tokyo)	9/04 43°11.9'N 141°01.5"E		
96942	9Ed. 3/14/98 LAST NM 41/01 Change Visibility (range) of light to 8M (See 41/01-96942) (51(1866)03 Tokyo)	9/04 43°11'53"N 141°01'28"E		
97182	13Ed. 1/1/94 LAST NM 1/04 Change Characteristic of buoy to Mo(A) 8s	9/04 34°46'01"N 137°04'43"E		
	(46(1710)03 Tokyo)			
97188	3Ed. 9/20/03 LAST NM 7/04 Change Characteristic of buoy to Mo(A) 8s	9/04 34°46'01"N 137°04'43"E		
	(46(1710)03 Tokyo)			

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NM 9/04

97267	16Ed. 2/21/98 LAST NM 7/04 Add Solid line (breakwater) [F4.1] between 34°17'03"N 132°30'52"E 34°17'02"N 132°30'54"E (46(1712)03 Tokyo)	9/04
97271	12Ed. 11/29/97 LAST NM 44/03 Add Depth 6 meters, blue tint and enclosing depth contour (10-meter) 33°54'06"N 132°00'54"E (51(1886)03 Tokyo)	9/04
97272	11Ed. 6/14/97 LAST NM 1/04 Change Characteristic of buoy "3" to Mo(A) 8s 33°48'21"N 131°29'33"E Characteristic of buoy "4" to Mo(A) 8s 33°47'18"N 131°35'27"E (46(1713)03 Tokyo)	9/04
97273	11Ed. 5/31/03 LAST NM 1/04 Change Characteristic of buoy "No 2" to Mo(A) 8s 33°49'22"N 131°23'39"E Characteristic of buoy "No 3" to Mo(A) 8s 33°48'21"N 131°29'33"E Characteristic of buoy "No 4" to Mo(A) 8s 33°47'18"N 131°35'27"E Characteristic of buoy "No 6" to Iso 4s 33°45'40"N 131°44'39"E (46(1713)03 Tokyo)	9/04
97274	19Ed. 6/27/98 LAST NM 7/04 Change Characteristic of buoy "2" to Mo(A) 8s 33°49'22"N 131°23'39"E Characteristic of buoy "3" to Mo(A) 8s 33°48'17"N 131°29'33"E (46(1713)03 Tokyo)	9/04
97340	8Ed. 4/5/97 LAST NM 47/03 Change Visibility (range) of light to 7M 30°45.9"N 130°51.4"E (46(1715)03 Tokyo)	9/04
97343	12Ed. 2/7/98 LAST NM 25/03 Change Visibility (range) of light to 3M 31°35'54.4"N 130°34'06.5"E (Plan A) Change Visibility (range) of light to 3M 31°35'54.4"N 130°34'06.5"E (46(1714)03 Tokyo)	9/04
97440	8Ed. 6/21/97 LAST NM 47/03 Change Visibility (range) of light to 7M 30°45.9"N 130°51.4"E (46(1715)03 Tokyo)	9/04
97460	7Ed. 8/17/96 LAST NM 47/03 Change Visibility (range) of light to 11M 26°22.4'N 127°08.5'E (32(1244)03 Tokyo)	9/04
97461	9Ed. 12/28/96 LAST NM 26/03 Change Light to Iso 8s 15m 11M 26°22'21"N 127°08'28"E (32(1244)03 Tokyo)	9/04
804567	4Ed. 7/7/90 LAST NM N31/03 Add Buoy Y, conical, "X" topmark, Fl Y 3s [Q130.6] 20°00'06"N 75°07'59"W (11(57)03 Habana)	N9/04

SECTION I

NM 9/04

Chart 11344

NM 9/04

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	37.0	39.0	39.0	25.0	9,11-03	800	19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	31.0	46.0	48.0	49.0	9-03	400	1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	20.0	40.0	41.0	36.0	9,12-03	400	6.0 40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11347 (Side A)

NM 9/04

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	37.0	39.0	39.0	25.0	9,11-03	800	19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	31.0	46.0	48.0	49.0	9-03	400	1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	20.0	40.0	41.0	36.0	9,12-03	400	6.0 40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	29.0	37.0	39.0	31.0	9,12-03	400	6.0 40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	32.0	37.0	37.0	26.0	8,10-03	400	6.0 40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	28.0	35.0	33.0	28.0	8,12-03	400	5.0 40
THENCE TO 210 BRIDGE THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	35.0	37.0	35.0	31.0	6,12-03	400	4.4 40
	35.0	38.0	38.0	29.0	6,9-03	400	2.0 40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

SECTION I

Chart 11347 (Side B)

NM 9/04

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	37.0	39.0	39.0	25.0	9,11-03	800 19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	31.0	46.0	48.0	49.0	9-03	400 1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	20.0	40.0	41.0	36.0	9,12-03	400 6.0 40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	29.0	37.0	39.0	31.0	9,12-03	400 6.0 40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	32.0	37.0	37.0	26.0	8,10-03	400 6.0 40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	28.0	35.0	33.0	28.0	8,12-03	400 5.0 40
THENCE TO 210 BRIDGE	35.0	37.0	35.0	31.0	6,12-03	400 4.4 40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	35.0	38.0	38.0	29.0	6,9-03	400 2.0 40

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

Chart 11353

NM 9/04

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)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W)					
TO LT. BUOY 20	37.0	38.0	29.0	600	7,10,11-03
THENCE TO END OF JETTY OPPOSITE LIGHT 62	28.0	34.0	26.0	500	6,7,8,10-03

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS
SUBSEQUENT TO THE ABOVE

SECTION I

Chart 72007

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 72014

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 72021

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 72035

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

SECTION I

Chart 72045

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 72085

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 72105

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 72110

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

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Chart 72120

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 72173

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 72203

NM 9/04

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes will apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 9/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
97189	2	44/02;9,14,18,22,39, 43/03	97300	6	1,13,25,26/03;6/04
97190	2	34,39,52/02;8,13/03	97303	3	47,48/02;45/03
97200	9	52/02;8,16,17,22,25,26, 29/03	97320	6	33/02;14,25,46/03;6/04
97201	7	18,28/03	97340	8	33,38,52/02;16,17,18,22, 36,46,47/03;9/04
97202	15	43,44,52/02;20,25/03	97341	9	34/02;16,21,47/03
97204	9	45,52/02;4,6,10,19,20,25, 33,43,45,47/03	97342	14	38/02;17,18,22,27,43/03
97205	3	18,28/03	97343	12	38/02;17,25/03;9/04
97206	3	50/03*	97345	2	50/03
97218	3	41/02;6,33/03	97360	6	38/02;5,7,13,18,27,43,45, 47/03
97219	4	6,9,13,20,23,25,47/03	97380	7	39,47,52/02;1,2,8,16,23, 38,40,45/03
97220	3	37,39,42,43,44/02;6,8,9, 17,18,23,29,33,46,49/03; 6/04	97381	7	7,13,27,43,45/03
97221	20	37,39,42,44,45,49,52/02; 6,8,9,10,13,17,18,19,20, 22,23,25,26,29,33,46/03; 6,7/04	97382	2	41,45/02;4,42/03
97222	12	47/02;10,22,29/03	97383	16	5,7,13,42,46,47/03
97223	3	42,44,48/02;16,17,22,23, 46/03	97384	4	47/02;19/03
97224	6	46,47,49/02;45/03	97385	10	52/02;5,6,7,9,46,47/03
97225	31	37,39,42,44,45/02;6,8,9, 10,17,18,19,23,25,33,45, 46,49/03;6/04	97387	2	4,5,7,42,46/03
97226	7	18,41/03;6/04	97389	2	45*,47/03
97227	11	42,43/02;9,18,30,34/03	97390	5	39,40/02;2,5,12,16, 36/03;7/04
97228	15	39,40,42,43/02;5,6,9,15, 17,18,20,21,22,27,29,35, 49,52/03;7/04	97391	26	6,7,12,16/03
97229	12	36,39,47/02;6,8,9,18,28, 33/03	97392	5	1,21,23,26,33,38/03
97230	18	36,52/02;6,9,28,33/03	97396	14	36,39,40/02;2,16,17,23, 33,38/03;2/04
97231	11	41/02;6,23,33/03	97397	7	39,49/02;16,26,44,49/03
97232	9	7/04*	97398	4	43/03*
97233	11	33,43,44,49/02;1,5,6,9, 15,16,23,33,35/03;2,7/04	97400	4	34*,44,49/03
97234	17	43,47,49/02;1,6,8,9,16, 41/03;7/04	97410	9	50/03*:2/04
97235	2	52/03*	97412	7	40/02;47/03
97236	20	47/02;9,16,23,35,41/03	97420	17	34,39,42,47,52/02;1,8,10, 33,38,40,45/03;1/04
97237	6	41/03	97421	13	35,36/02;1,10,13,20,26, 36/03
97239	10	33/02;1,5,9,16,23/03	97423	2	35,36/02;1,13,20,26, 36/03
97241	6	10/03;1/04	97425	6	34,39,47,52/02;1,6,8,10, 45/03;1,2/04
97243	8	33,48/02;1,5,6,21,27, 33/03	97440	8	52/02;1,16,19,27,43, 47/03;9/04
97244	5	9/03	97441	5	46/02;47/03
97245	11	36/02;1,5,9,29/03	97443	6	15,19,25,47/03
97246	7	43,52/02;5/03	97460	7	40/02;5,19,21,47/03;9/04
97251	4	6,10,17,36,52/03	97461	9	5,8,19,21,22,23,26/03; 9/04
97261	15	41/02;1,5,7,18,21,26, 44/03;1/04	97465	9	1,6,8,19,20,22,33,37/03; 6/04
97262	10	34/02;1,5,6,7,15,21,26, 33,46/03;2/04	97466	2	46/02;1,23,27/03
97263	10	5,7,9,15,18,21,46/03; 2/04	97469	10	1,6,8,19,20,22,33,37/03; 6/04
97266	5	37,41/02;1,5,6,7,14,15, 18,26,42/03;1,2,7/04	97471	5	N22,N33/03;N6/04
97267	16	40,41/02;1,5,6,8,10,13, 18,26,27,42/03;7,9/04	97472	8	34/02;33/03
97268	10	6/03	97474	7	22/03
97269	11	45/02;8,13,18,27/03;7/04	97480	7	35,52/02;3,9,10,17,18, 21/03
97270	6	36,44/02;1,5,03;7/04	97481	6	47,49/02;9,18,20/03
97271	12	37,39/02;6,10,12,26,35, 41,44/03;9/04	97483	7	48,52/02;20/03
97272	11	52/02;6,10,12,14,23,37, 47/03;1,9/04	97521	6	42/02;16,18,20/03
97273	11	34*,52/03;1,9/04	97564	3	16/03
97274	19	34,39,45/02;6,9,15,17,18, 23,37,47,52/03;7,9/04	800669	8	N1/04
97275	3	52/03*	800744	1	N49/02;N5,N12,N13, N16,N36,N47,N50/03
97276	2	50/03*	801217	1	N6,N8,N19,N20,N22, N33,N37/03;N6/04
97277	11	1,5,6,8,9,14,35,39/03; 1/04	801885	3	N34/03
97278	11	39/02;1,20,35,39,49/03; 6/04	801902	9	N25,N31/03
97279	9	9,27/03	801953	1	N39,N52/03
97280	4	52/02	802202	8	N35/02;N1,N7/03
97281	3	50/03*	802260	5	N1/04
97283	3	45/02;9/03	803404	2	N8/04
97285	6	34,42/02;7,13,17,36/03; 7/04	804059	2	N43/03
97286	6	34,35,36,41,42/02;6,8,10, 13,17,35,36,38/03	804567	4	N31/03;N9/04
97287	5	34/02;20/03	805118	3	N12,N36/03
			805647	2	N37,N51/02;N30/03; N8/04
			806927	8	N25,N30,N39/03
			807370	5	N17,N25,N30,N31, N39/03
			807861	2	N22/03
			808365	2	N14/03
			809055	7	N16/03
			809310	9	N39/02
			809679	2	N50/02;N12,N27/03

SECTION II

NM 9/04

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								
11AHA11353 (7642014597213)	Baptiste Collete Bayou to Mississippi River-Gulf Outlet	40,000	<u>3</u>	<u>11/03</u>	NOS	1-94	9/04	
	Extension: Baptiste Collete Bayou Extension	20,000						
16ACO16016 (7642014011234)	<u>Dixon Entrance to Cape St Elias (LORAN-C)</u>	969,756	<u>20</u>	<u>11/03</u>	NOS	1-8,97	9/04	
16XHA16083 (7642014011340)	<u>Skull Cliff and Vicinity</u>	50,000	<u>6</u>	<u>11/03</u>	NOS	1-60,97	9/04	
16XHA16102 (7642014011347)	<u>Kuchiak Creek to Kukpowruk Pass</u>	50,000	<u>5</u>	<u>11/03</u>	NOS	1-60,97	9/04	
16ACO16580 (7642014011245)	Kodiak Island (LORAN-C)	350,000	<u>12</u>	<u>11/03</u>	NOS	1-97	9/04	
	Inset: Southwest Anchorage (Inset not shown on index)	52,150						
REGION 5								
55ACO55044 (7642014012693)	<u>Eastern Approaches to Canakkale Bogazi (Dardanelles)</u> 40 17 00N 26 37 00E 40 17 00N 27 35 00E 40 47 20N 27 35 00E 40 47 20N 27 17 00E 40 26 00N 26 37 00E <u>Plan: Gelibolu Limani</u>	75,000	5	3/96	A	5-12,15	9/04	
		14,990						
MISCELLANEOUS CHARTS AND PUBLICATIONS								
DNCDXVDU (7644014946812)	Digital Nautical Chart (DNC) - VPF Database Update (VDU)		<u>23</u>	<u>12/03</u>	DS	10-43	9/04	

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

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

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

NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS

PUB 120 2 Ed 2001 LAST NM 5/04

Page 183—Lines 11/L to 9/R; read:

The destination of messages is subject to constant change by local authorities. Vessels are advised to seek updated information through their agents in Peru. Vessels sending messages through the wrong station will incur a heavy fine.

Messages should be sent, as follows:

1. Fax: +51 (0) 429-1547
+51 (0) 420-0177
2. Telex: +36-26042
3. E-mail: dicatramar@marina.mil.pe
costeracallao@marina.mil.pe

There are no other means of sending messages. Failed messages should be recorded, as copies will be required by the local Port Captains upon arrival.

(BA NM 6/04, Section VI) 9/04

Page 183—Table; replace with below:

New table titled **Table of Message Formats and Message Requirements** from back of this Subsection.

(BA NM 6/04, Section VI) 9/04

Page 183—Line 17/R; insert after:

5. A Departing Peruvian Waters (DPW) report upon leaving the reporting area for vessels not calling at a Peruvian port that have not filed an SP.

(BA NM 6/04, Section VI) 9/04

PUB 172 9 Ed 2001 LAST NM 8/04

Page 241—Line 16/L; read:

dredged (1977) to a depth of 14m, although it has been reported (2004) that a shoal depth of 9.5m lies close SW of Berth 23, with another shoal depth of 12.5m lying close NW of Berth 23. The maximum draft permitted at

(6(640)04 Taunton; US CH 62429) 9/04

COAST PILOT CORRECTIONS

**COAST PILOT 2 33 Ed 2004 Change No. 2
LAST NM 6/04**

Page 10—Paragraph 170, line 7; read:

operating 24 hours a day. (See Internet website: <http://www.weather.gov/>). Marine services are also provided ...

(Internet/04) 9/04

Page 140—Paragraph 2506, line 10; read:

(a)(7)(ii) will be communicated by the ...

(FR 1/20/04) 9/04

Page 141—Paragraph 2577; read:

40°40'29.1"N., 074°08'06.3"W., thence to
40°40'21.9"N., 074°08'10.0"W., thence to
(FR 1/20/04)

9/04

Page 141—Paragraph 2580, line 2; read:

northerly along the shoreline to the point of origin.

(11) *Global Marine Terminal, Upper New York Bay*. All waters of Upper New York Bay between the Global Marine and Military Ocean Terminals, west of the New Jersey Pierhead Channel.

(FR 1/20/04) 9/04

**COAST PILOT 3 36 Ed 2003 Change No. 28
LAST NM 7/04**

Page 10—Paragraph 169, line 7; read:

operating 24 hours a day. (See Internet website: <http://www.weather.gov/>) Marine services are also provided ...

(Internet/04) 9/04

Page 368—Paragraph 42, line 6 to Paragraph 43, line 2; read:

normal business hours. Inquiries on availability, cost, etc. of GPO publication may be addressed to a 24-hour FAX number: 202-512-2250.

National Geospatial-Intelligence Agency Procurement Information

Unclassified publications produced by the National Geospatial-Intelligence Agency (NGA) are available ...

(CL 1739/03; Internet/04; CP1/03) 9/04

**COAST PILOT 4 35 Ed 2003 Change No. 23
LAST NM 8/04**

Page 100—Paragraph 1151, line 2; read:

66.0, need not open for the passage of vessels.

§117.324 Rice Creek.

The CSX Railroad swingbridge, mile 0.8, in Putnam County, shall open on signal from 8 a.m. to 4 p.m., daily. From 4:01 p.m. to 7:59 a.m., daily, the bridge shall open with a 24-hour advance notice to CSX at 1-800-232-0142.

(CL 71/04; FR 1/13/04) 9/04

Page 229—Paragraph 3872 to Page 230—Paragraph 3879; read:

(h) Shrimp in the Gulf-

(1) BRD requirement—(i) *West of 85°30'W. long.* On a shrimp trawler in the Gulf EEZ west of 85°30'W. long. and shoreward of the 100-fathom (183-m) depth contour, each net that is rigged for fishing must have a certified BRD listed in paragraph (h)(2)(i) of this section installed, unless exempted as specified in paragraphs (h)(1)(iii) through (v) or paragraph (h)(3)(iii) of this section.

COAST PILOT 4 (Continued)

(ii) *East of 85°30'W. long.* On a shrimp trawler in the Gulf EEZ east of 85°30'W. long., each net that is rigged for fishing must have a certified BRD listed in paragraph (h)(2)(ii) of this section installed, unless exempted as specified in paragraphs (h)(1)(iii) through (v) or paragraph (h)(3)(iii) of this section.

(iii) A shrimp trawler is exempt from the requirement to have a certified BRD installed in each net provided that at least 90 percent (by weight) of all shrimp on board or offloaded from such trawler are royal red shrimp.

(iv) A shrimp trawler is exempt from the requirement to have a BRD installed in a single try net with a head-rope length of 16 ft (4.9 m) or less provided the single try net is either pulled immediately in front of another net or is not connected to another net.

(v) A shrimp trawler is exempt from the requirement to have a certified BRD installed in up to two rigid-frame roller trawls that are 16 ft (4.9 m) or less in length used or possessed on board. A rigid-frame roller trawl is a trawl that has a mouth formed by a rigid frame and a grid of rigid vertical bars; has rollers on the lower horizontal part of the frame to allow the trawl to roll over the bottom and any obstruction while being towed; and has no doors, boards, or similar devices attached to keep the mouth of the trawl open.

(vi) A trawl net is rigged for fishing if it is in the water, or if it is shackled, tied, or otherwise connected to a sled, door, or other device that spreads the net, or to a tow rope, cable, pole, or extension, either on board or attached to a shrimp trawler.

(2) *Certified BRDs.* The following BRDs are certified for use by shrimp trawlers in the respective areas of Gulf EEZ specified in paragraphs (h)(2)(i) and (ii) of this section. Specifications of these certified BRDs are contained in appendix D to this part.

(i) West of 85°30'W. long.

- (A) Fisheye.
- (B) Gulf fisheye.
- (C) Jones-Davis.

(ii) East of 85°30'W. long.

- (A) Fisheye.
- (B) Gulf fisheye.
- (C) Jones-Davis.
- (D) Extended funnel.
- (E) Expanded mesh.

(CL 63/04; FR 01/09/04)

9/04

Page 396—Paragraph 168, lines 11 to 14; read:

range, lights, and daybeacons. The CSX Railroad bridge, 0.8 mile above the mouth, has a swing span with a channel width of 40 feet and a clearance of 2 feet. (See **117.1 through 117.49 and 117.324**, chapter 2, for drawbridge regulations.) U.S. Route 17 highway bridge, 1.0 mile ...

(CL 71/04; NOS 11487)

9/04

COAST PILOT 5

31 Ed 2004

**Change No. 7
LAST NM 8/04**

Page 248—Paragraphs 4406 to 4413; read:

(h) *Shrimp in the Gulf-*

(1) BRD requirement—(i) *West of 85°30'W. long.* On a shrimp trawler in the Gulf EEZ west of 85°30'W. long. and shoreward of the 100-fathom (183-m) depth contour, each net that is rigged for fishing must have a certified BRD listed in paragraph (h)(2)(i) of this section installed, unless exempted as specified in paragraphs (h)(1)(iii) through (v) or paragraph (h)(3)(iii) of this section.

(ii) *East of 85°30'W. long.* On a shrimp trawler in the Gulf EEZ east of 85°30'W. long., each net that is rigged for fishing must have a certified BRD listed in paragraph (h)(2)(ii) of this section installed, unless exempted as specified in paragraphs (h)(1)(iii) through (v) or paragraph (h)(3)(iii) of this section.

(iii) A shrimp trawler is exempt from the requirement to have a certified BRD installed in each net provided that at least 90 percent (by weight) of all shrimp on board or offloaded from such trawler are royal red shrimp.

(iv) A shrimp trawler is exempt from the requirement to have a BRD installed in a single try net with a head-rope length of 16 ft (4.9 m) or less provided the single try net is either pulled immediately in front of another net or is not connected to another net.

(v) A shrimp trawler is exempt from the requirement to have a certified BRD installed in up to two rigid-frame roller trawls that are 16 ft (4.9 m) or less in length used or possessed on board. A rigid-frame roller trawl is a trawl that has a mouth formed by a rigid frame and a grid of rigid vertical bars; has rollers on the lower horizontal part of the frame to allow the trawl to roll over the bottom and any obstruction while being towed; and has no doors, boards, or similar devices attached to keep the mouth of the trawl open.

(vi) A trawl net is rigged for fishing if it is in the water, or if it is shackled, tied, or otherwise connected to a sled, door, or other device that spreads the net, or to a tow rope, cable, pole, or extension, either on board or attached to a shrimp trawler.

(2) *Certified BRDs.* The following BRDs are certified for use by shrimp trawlers in the respective areas of Gulf EEZ specified in paragraphs (h)(2)(i) and (ii) of this section. Specifications of these certified BRDs are contained in appendix D to this part.

(i) West of 85°30'W. long.

- (A) Fisheye.
- (B) Gulf fisheye.
- (C) Jones-Davis.

(ii) East of 85°30'W. long.

- (A) Fisheye.
- (B) Gulf fisheye.
- (C) Jones-Davis.
- (D) Extended funnel.
- (E) Expanded mesh.

(CL 63/04; FR 01/09/04)

9/04

Page 304—Paragraph 230, lines 7 to 13; read:

terminals on San Carlos Island. In August 2003, entrance channel navigational aids were relocated to mark the best water due to severe shoaling just SW of Daybeacon 4A; the midchannel controlling depth was 7.6 feet to Light 9 with

COAST PILOT 5 (Continued)

shoaling to 1.7 feet in the right outside quarter, thence 9.9 feet (10.1 feet at midchannel) to the State Route 865 fixed bridge, thence 5.0 feet (8.2 feet at midchannel) to the basin with 5.8 to 8.0 feet in the basin. Local knowledge ...
 (CL 1493/03; BPs 181573-78) 9/04

**COAST PILOT 6 33 Ed 2003 Change No. 26
LAST NM 7/04**

Page 6—Paragraph 60, line 7; read:
 operating 24 hours a day. (See Internet website: <http://www.weather.gov/>) Marine services are also provided ...
 (Internet/04) 9/04

Page 528—Paragraph 29, line 6 to Paragraph 30, line 2; read:
 normal business hours. Inquiries on availability, cost, etc. of GPO publications may be addressed to a 24-hour FAX number: 202-512-2250.

National Geospatial-Intelligence Agency Procurement Information

Unclassified publications produced by the National Geospatial-Intelligence Agency (NGA) are available ...
 (CL 1739/03; Internet/04; CP1/03) 9/04

**COAST PILOT 7 35 Ed 2003 Change No. 30
LAST NM 8/04**

Page 172—Paragraph 2789, line 4; read:
 Traffic Lane separation zone and a line connecting the following coordinates, ...
 (FR 1/21/04) 9/04

Page 173—Paragraph 2835, line 2 to Paragraph 2836; read:
 the point of beginning.

Datum: NAD 83

(5) Benicia-Martinez Railroad Drawbridge Regulated Navigation Area (RNA): The following is a regulated navigation area—The waters bounded by the following longitude lines:

- (i) 122°13'31"W. (coinciding with the charted location of the Carquinez Bridge)
- (ii) 121°53'17"W. (coinciding with the charted location of New York Point)
 (FR 1/21/04) 9/04

Page 173—Paragraphs 2843 to 2867; read:

(ii) The waters bounded by a line connecting the following coordinates, beginning at:

37°54'28"N., 122°23'36"W.; thence to
 37°54'20"N., 122°23'38"W.; thence to
 37°54'23"N., 122°24'02"W.; thence to
 37°54'57"N., 122°24'51"W.; thence to
 37°55'05"N., 122°25'02"W.; thence to
 37°54'57"N., 122°25'22"W.; thence to
 37°53'26"N., 122°25'03"W.; thence to
 37°53'24"N., 122°25'13"W.; thence to

37°55'30"N., 122°25'35"W.; thence to
 37°55'40"N., 122°25'10"W.; thence to
 37°54'54"N., 122°24'30"W.; thence to
 37°54'30"N., 122°24'00"W.; thence returning to the point of beginning.

Datum: NAD 83

(7) Oakland Harbor RNA: The following is a regulated navigation area—The waters bounded by a line connecting the following coordinates, beginning at:

37°48'40"N., 122°19'58"W.; thence to
 37°48'50"N., 122°20'02"W.; thence to
 37°48'29"N., 122°20'39"W.; thence to
 37°48'13"N., 122°21'26"W.; thence to
 37°48'10"N., 122°21'39"W.; thence to
 37°48'20"N., 122°22'12"W.; thence to
 37°47'36"N., 122°21'50"W.; thence to
 37°47'52"N., 122°21'40"W.; thence to
 37°48'03"N., 122°21'00"W.; thence to
 37°47'48"N., 122°19'46"W.; thence to
 37°47'55"N., 122°19'43"W.; thence returning along the shoreline to the point of the beginning.

(FR 1/21/04) 9/04

Page 174—Paragraph 2880; read:

(E) So far as practicable keep clear of the Central Bay Separation Zone and the Deep Water Traffic Lane Separation Zone;
 (FR 1/21/04) 9/04

Page 174—Paragraphs 2882 to 2886; read:

(2) Pinole Shoal Channel RNA:

(i) A vessel less than 1600 gross tons or a tug with a tow of less than 1600 gross tons is not permitted within this RNA.

(ii) A power-driven vessel of 1600 or more gross tons or a tug with a tow of 1600 or more gross tons shall not enter Pinole Shoal Channel RNA when another power-driven vessel of 1600 or more gross tons or tug with a tow of 1600 or more gross tons is navigating therein if such entry would result in meeting, crossing, or overtaking the other vessel, when either vessel is:

- (A) Carrying certain dangerous cargoes (as denoted in §160.203 of this subchapter);
- (B) Carrying bulk petroleum products; or
- (C) A tank vessel in ballast.

(FR 1/21/04) 9/04

Page 174—Paragraphs 2889 to 2897; read:

(3) Benicia-Martinez Railroad Drawbridge Regulated Navigation Area (RNA):

- (i) Eastbound vessels:

(A) The master, pilot, or person directing the movement of a power-driven vessel of 1600 or more gross tons or a tug with a tow of 1600 or more gross tons traveling eastbound and intending to transit under the lift span (centered at coordinates 38°02'18"N., 122°07'17"W.) of the railroad bridge across Carquinez Strait at

COAST PILOT 7 (Continued)

mile 7.0 shall, immediately after entering, the RNA, determine whether the visibility around the lift span is 0.5 nautical mile or greater.

(B) If the visibility is less than 0.5 nautical mile, or subsequently becomes less than 0.5 nautical mile, the vessel shall not transit under the lift span.

(ii) Westbound vessels:

(A) The master, pilot, or person directing the movement of a power-driven vessel of 1600 or more gross tons or a tug with a tow of 1600 or more gross tons traveling westbound and intending to transit under the lift span (centered at coordinates 38°02'18"N., 122°07'17"W.) of the railroad bridge across Carquinez Strait at mile 7.0 shall, immediately after entering the RNA determine whether the visibility around the lift span is 0.5 nautical mile or greater

(B) If the visibility is less than 0.5 nautical mile, the vessel shall not pass beyond longitude line 121 55'19"W. (coinciding with the charted position of the westernmost end of Mallard Island) until the visibility improves to greater than nautical mile around the lift span.

(C) If after entering the RNA visibility around the lift span subsequently becomes less than 0.5 nautical mile, the master, pilot, or person directing the movement of the vessel either shall not transit under the lift span or shall request a deviation from the requirements of the RNA as prescribed in paragraph (b) of this section.

(D) Vessels that are moored or anchored within the RNA with the intent to transit under the lift span shall remain moored or anchored until visibility around the lift span becomes greater than 0.5 nautical mile.

(FR 1/21/04) 9/04

Page 648—Paragraph 44, line 6 to Paragraph 45, line 2; read:

normal business hours. Inquiries on availability, cost, etc, of GPO publications may be addressed to a 24-hour FAX number: 202-512-2250.

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Unclassified publications produced by the National Geospatial-Intelligence Agency (NGA) are available ...

(CL 1739/03; Internet/04; CP1/03) 9/04

Table of Message Formats and Message Requirements

Designator	Information	EPW	DR	PR	DPW
A	Message type (EPW or DR).	X	X	X	X
B	Vessel name, flag, and call sign.	X	X	X	X
C	Date and time of report (6 digits).	X	X	X	X
D	Last port of call.	X			
E	Position (latitude in degrees and minutes S and longitude in degrees and minutes W).	X	X	X	X
F	True course in degrees (3 digits).	X	X	X	
G	Speed in knots (to nearest knot—2 digits).	X	X	X	
H	Destination.	X	X	X	X
I	ETA (6 digits as in C).	X	X	X	
J	Anticipated route, with a maximum of six waypoints (positions reported as in E).	X	X		
K	Ship's local agent.	X	X		
X	Reason for deviation; changes in ETA or speed; date and time of deviation (6 digits as in C); position of deviation (reported as in E); course.		X		

PUB 120

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
17475	Gordon Pass North Jetty Obstruction Daybeacon	26 05 37 N 81 48 05 W				NW on pile worded DANGER SUBMERGED ROCK.	Private aid. 9/04
*							
*17477	Gordon Pass South Jetty Obstruction Daybeacon B	26 05 28 N 71 48 11 W				NW on pile worded DANGER SUBMERGED ROCK.	 9/04
*							
*17479	Gordon Pass South Jetty Obstruction Daybeacon C	26 05 30 N 81 48 10 W				NW on pile worded DANGER SUBMERGED ROCK.	 9/04
*							
17690	NAPLES SAILING CLUB WEST OBSTRUCTION LIGHT	26 08 18 N 81 47 24 W	Fl W 6s	8		NW on pile worded CAUTION MOORING AREA.	Private aid. 9/04
*							
17695	NAPLES SAILING CLUB EAST OBSTRUCTION LIGHT	26 08 18 N 81 47 18 W	Fl W 6s	8		NW on pile worded CAUTION MOORING AREA.	Private aid. 9/04
*							
19970	<i>La Costa Test Pile South Lighted Buoy</i>		Q R			Red.	
*		*		*	*	*	9/04
19975	<i>La Costa Test Pile North Lighted Buoy</i>		Q R			Red.	
*		*		*	*	*	9/04
22305	- Lighted Buoy 13		Fl G 2.5s	4	Green.		
*							9/04
22375	- Lighted Buoy 23					Remove from list.	
*							9/04
22380	- Lighted Buoy 24					Remove from list.	
*							9/04
22385	Mullet Key Shoal Daybeacon On south side of shoal.					Remove from list.	
*							9/04
22390	- Lighted Buoy 25					Remove from list.	
*							9/04
22395	- Lighted Buoy 26					Remove from list.	
60290							
*							9/04
23400	- Daybeacon 12					Remove from list.	
*							9/04

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
23405	- Daybeacon 13						Remove from list. * 9/04
23410	- Daybeacon 14						Remove from list. * 9/04
32025	- Lighted Buoy 6		Q R		4 Red.		*
							9/04

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
*664	Walter-116-2 Lighted Buoy Marks subsea installation.	28 21 07 N 90 32 42 W	Fl W 2.5s			White with orange Bands.	SIGN: WALTER-ST239-2 Private aid. 9/04
3930	CAUCUS CHANNEL RANGE FRONT LIGHT	30 19 34 N 87 18 44 W	Q G Q G	24 26	3	KRW on skeleton tower on piles.	Visible all around, higher intensity on range line. * 9/04
3935	CAUCUS CHANNEL RANGE REAR LIGHT 1,408 yards, 341.4° from front light.		Iso G 6s	67		KRW on skeleton tower.	Visible 2° each side of rangeline. * 9/04
10840	- Jetty Cut Daybeacon 4	29 39 30 N 89 21 50 W				TR on pile.	Ra ref. * 9/04
12360	- LIGHT 2 50 feet outside channel limit.	29 24 16 N 89 18 34 W	Fl R 2.5s	17	4	TR on pile.	Ra ref. * 9/04
22690	- Entrance Channel Lighted Buoy 9 100 feet outside channel limit.	29 20 40 N 94 42 56 W	Q G		4	Green.	 * 9/04
27805	Jewel Fulton Channel Daybeacon 1 20 feet outside channel limit.	27 50 34 N 97 13 54 W				SG on pile.	Ra ref. * 9/04

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 VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4155	<i>Colorado Reef Lighted Buoy CR</i>	37 31 14 N 122 31 37 W	Fl R 2.5s	5	Red.		
		*					9/04
5160	- Buoy 10	37 35 02 N 122 15 15 W			Red nun.		
		*					9/04
Redwood Creek							
5180	- ENTRANCE LIGHT 2	37 33 10 N 122 11 48 W	Q R	15	4	TR on pile.	HORN: 1 blast ev 10s (1s bl). Operates continuously from Oct. 1 to Apr. 1. Higher intensity beam upstream Ra ref.
		*		*			9/04
5190	- ENTRANCE LIGHT 4	37 32 50 N 122 11 42 W	Fl R 2.5s	15	4	TR on pile.	Ra ref.
		*					9/04
5195	- LIGHT 5	37 32 26 N 122 11 34 W	Fl G 4s	15	3	SG on pile.	Ra ref.
		*					9/04
5215	- LIGHT 10	37 31 45 N 122 11 46 W	Fl R 4s	15	3	TR on pile.	
		*					9/04
5230	- LIGHT 12	37 31 33 N 122 12 02 W	Fl R 6s	15	4	TR on pile.	
		*					9/04
5240	- LIGHT 13	37 31 15 N 122 12 18 W	Fl G 2.5s	15	3	SG on pile.	Ra ref.
		*					9/04
5250	- LIGHT 16	37 31 01 N 122 12 03 W	Fl R 6s	15	4	TR on pile.	Ra ref.
		*					9/04
5260	- LIGHT 20	37 30 34 N 122 12 49 W	Fl R 4s	15	3	TR on column.	Ra ref.
		*					9/04
San Francisco Bay South Channel							
5305	- LIGHT 16	37 29 34 N 122 05 13 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*					9/04
5310	- LIGHT 17	37 28 43 N 122 04 37 W	Fl G 4s	15	3	SG on pile.	Ra ref.
		*					9/04

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 VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5315	- LIGHT 18	37 28 12 N 122 03 50 W	FIR 4s	15	3	TR on pile.	Ra ref. * 9/04
5635	- North Channel Buoy 15	37 56 14 N 122 26 48 W				Green can.	 * 9/04
5730	- LIGHT 10	37 54 12 N 122 22 34 W	FIR 4s	15	4	TR on pile.	Ra ref. * 9/04
5740	POINT POTRERO REACH RANGE FRONT PASSING LIGHT 14	37 54 09 N 122 21 37 W	QR	18	3	KRW on pile.	Visible 3° each side of rangeline. * 9/04
LAKE CELILO (Chart 18533)							
The Dalles to John Day Dam							
The Dalles Dam							
12135	- Buoy A Marks restricted area.	45 37 05 N 121 07 58 W				White can with orange bands and orange diamond with orange center cross worded DAM.	 * 9/04
12140	- Buoy B Marks restricted area.	45 37 07 N 121 07 45 W				White can with orange bands and orange diamond with orange center cross worded DAM.	 * 9/04
12145	- Buoy C Marks restricted area.	45 37 10 N 121 07 34 W				White can with orange bands and orange diamond with orange center cross worded DAM.	 * 9/04
12150	- Buoy D Marks restricted area.	45 37 12 N 121 07 26 W				White can with orange bands and orange diamond with orange center cross worded DAM.	 * 9/04
McNary Dam							
<i>Buoys mark restricted area.</i>							
12820	- Buoy A	45 56 28 N 119 17 22 W				White can with orange bands and orange diamond with orange center cross worded DAM.	 * 9/04

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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
12825	- Buoy B	45 56 22 N 119 17 14 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
12830	- Buoy C	45 56 15 N 119 17 14 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
12835	- Buoy D	45 56 07 N 119 17 13 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
12840	- Buoy E	45 56 01 N 119 17 18 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
12845	- Buoy F	45 55 55 N 119 17 22 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
12850	- Buoy G	45 55 50 N 119 17 26 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
12855	- Buoy H	45 55 46 N 119 17 34 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
13230	- Buoy B Marks restricted area.	46 15 04 N 118 52 25 W				White can with orange bands and orange diamond with orange center cross, worded DAM.	
		*					9/04
13235	- Buoy C Marks restricted area.	46 15 00 N 118 52 13 W				White can with orange bands and orange diamond with orange center cross, worded DAM.	
		*					9/04
13240	- Buoy D Marks restricted area.	46 14 56 N 118 52 20 W				White can with orange bands and orange diamond with orange center cross, worded DAM.	
		*					9/04

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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
13245	- Buoy E Marks restricted area.	46 14 52 N 118 52 35 W				White can with orange bands and orange diamond with orange center cross, worded DAM.	
*							
9/04							
Lower Monumental Dam							
<i>Buoys mark restricted area.</i>							
13485	- Buoy A	46 35 49 N 118 31 59 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
*							
9/04							
13490	- Buoy B	46 33 56 N 118 31 58 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
*							
9/04							
13495	- Buoy C	46 34 01 N 118 32 03 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
*							
9/04							
13500	- Buoy D	46 33 58 N 118 32 10 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
*							
9/04							
13685	- Buoy B Marks restricted area.	46 35 04 N 118 01 17 W				White can with orange bands and diamond with orange center cross worded DAM.	
*							
9/04							
13690	- Buoy C Marks restricted area.	46 35 11 N 118 01 12 W				White can with orange bands and diamond with orange center cross worded DAM.	
*							
9/04							
13695	- Buoy D Marks restricted area.	46 35 18 N 118 01 13 W				White can with orange bands and diamond with orange center cross worded DAM.	
*							
9/04							

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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
LOWER GRANITE LAKE (Chart 18548)							
Lower Granite Reservoir							
Lower Granite Dam							
<i>Buoys mark restricted area.</i>							
13920	- Buoy A	46 39 29 N 117 25 29 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
13925	- Buoy B	46 39 26 N 117 25 25 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
13930	- Buoy C	46 39 21 N 117 25 18 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
13935	- Buoy D	46 39 19 N 117 25 20 W				White can with orange bands and orange diamond with orange center cross worded DAM.	
		*					9/04
15315	- Daybeacon 28	46 42 23 N 123 50 59 W			TR on pile.		
		*					9/04
28115	WAIAKEA LIGHT					Remove from list.	
						*	9/04
28480	- Lighted Buoy 3	20 52 16 N 156 40 50 W	Fl G 4s			Green.	Private aid.
		*	*	*		*	9/04
28485	- Lighted Buoy 4		Fl R 4s			Red.	Private aid.
		*	*			*	9/04
28490	- Lighted Buoy 5		Fl G 4s			Green.	Private aid.
		*	*			*	9/04
28495	- Lighted Buoy 6		Fl R 4s			Red.	Private aid.
		*	*			*	9/04
28500	- Lighted Buoy 7		Fl G 4s			Green.	Private aid.
		*	*			*	9/04

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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
28505	- Lighted Buoy 8		Fl R 4s		Red.		Private aid. * * *

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		Fl R 2.5s	30 9	10	TR on post.	* 9/04
4725	- RANGE FRONT LIGHT	41 28 36 N 82 41 48 W	Q G	33 10	9	KRW on skeleton tower.	Higher intensity on rangeline only. * 9/04

***Add Note:**

Thunder Bay National Marine Sanctuary

*Buoys maintained May 1 through Oct 31.

11346	TBNMS Wreck Mooring Buoy	44 53 49 N 83 19 39 W	Fl W 1s			Mooring buoy.	"Neelie Gardner" Private aid. 9/04
*11452	TBNMS Wreck Mooring Buoy	44 58 06 N 83 11 56 W	Fl W 1s			Mooring buoy.	"Grecian (Stern)" Private aid. 9/04
20810	- GENERATING STATION MIDDLE INTAKE CRIB LIGHT 4		Fl R 10s	50 15		TR on rectangular tower.	Private aid. * 9/04

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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
ROSE BLANCHE HARBOR:							
2420	-Cains Island.	47° 36.1' N 58° 41.7' W	Fl.R. period 6s	3	On top of fog horn; 8.	Horn: 1 bl. ev. 60s. (bl. 4s, si. 56s).	
*	*	*	*	*	*	*	*
*18033	--Barra da Penha.	12° 58.9' S 38° 36.4' W	Q.W.	26 8	3		9/04
							9/04
18331	Guaxindiba. G 0336	21° 27.9' S 41° 02.6' W	Fl.(2)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	75 23	15	White round fiberglass tower, black bands.	
		*		*			9/04

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9776	Chapman Island. K 3236	12° 53.2' S 143° 35.7' E	Fl.W.R. period 5s	59 18	W. 11 R. 7	Steel framework tower; 46.	R.134°-157°, W.-134°.
		*		*			*
12526	Brown Bay. G 5587.3	50° 10.0' N 125° 22.0' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	24 7	5	White round tower, green band.	
					*		9/04
13398	Wain Rock. G 5349	48° 41.3' N 123° 29.3' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	23 7	4	White round tower, green band at top.	
				*			9/04
13399	Patricia Bay Breakwater.	48° 39.2' N 123° 27.0' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	17 5	4	Mast, red and white triangular daymark.	
				*			9/04
13617	-Mandarte Island. G 5339.4	48° 38.3' N 123° 17.8' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	15 5	4	White round tower, green band at top.	
				*			9/04
13617.3	-Forrest Island. G 5341	48° 39.3' N 123° 19.4' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	27 8	4	White round tower, red band at top. Radar reflector.	
				*			9/04

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SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1228 -S. breakwater, head. <i>F 6989</i>		43° 11.9' N 141° 01.5' E	Fl.(2)G. period 6s	46 14	8	White round concrete tower; 46.	
		*			*		9/04
*1723 Tsuba Se. <i>F 73645</i>		34° 26.1' N 131° 21.1' E	Fl.(2)W. period 5s	16 5	3	ISOLATED DANGER BRB, beacon, topmark.	
							9/04
10980 - -N. breakwater, S. head. <i>F 4831</i>		31° 35.9' N 130° 34.1' E	Fl.R. period 3s	46 14	3	White square metal framework tower; 31.	
		*			*		9/04
12996 Mage Sima. <i>F 4739.47</i>		30° 45.9' N 130° 51.4' E	Fl.W. period 3s	46 14	7	White cylindrical concrete structure; 39.	
		*			*		9/04
13476 Tonaki Shima. <i>F 4739.47</i>		26° 22.3' N 127° 08.5' E	Iso.W. period 8s	49 15	11	White tower; 33.	
		*	*	*	*		*
*26842 -EASTERN CHANNEL <i>F 1018</i> LIGHTSHIP		21° 04.2' N 88° 11.1' E	Fl.W. period 10s		12	Red hull.	
-RACON			O(---)				9/04
*Add Heading: *HUGLI RIVER:							
26846 -INTERMEDIATE LIGHTSHIP. <i>E 0328.36</i>		21° 10.7' N 88° 12.7' E	Fl.(2)W. period 20s			Radar reflector.	
							9/04
*Delete Heading: *HUGLI RIVER:							

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
4972 ---S. end. <i>E 0328.36</i>		39° 33.7' N 2° 37.7' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	16 5	1	Red metal column; 13.	
		*					9/04
4972 ---S. head. <i>E 0328.36</i>						Remove from list.	
							*
19051.5 -Pier No. 5, head.						Remove from list.	9/04
							*
*19097 Range, front. <i>E 5665</i>		44° 20.3' N 38° 35.9' E	Fl.R. period 3s	2		Rear light Iso.R. 4s 4M 030°24' from front.	
							9/04

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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
1240 <i>C 0664</i>	-Hamm, E. side of Skallanas entrance.	57° 21.5' N 11° 59.1' E	Fl.(2)W.R.G. period 6s	16 5 G.	W. 7 R. 5 G. 4	White lantern.	G. 342°-357°, W.-008°30', R.-029°, G.-095°, W.-135°, R.-shore. Occasional.
*						*	9/04

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SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 9/04

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

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

SECTION III

NM 9/04

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 111200Z February 2004:

2003 series 108(26,27)	387(GEN) 2004 series	4(GEN) 36(GEN)	37(11,26) 38(GEN)	40(GEN) 41(25)	42(GEN) 43(GEN)
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The summary of all NAVAREA IV messages in force as of 11 December 2003 is given in Section III of NM 52/03.

NAVAREA IV WARNINGS issued from 051200Z to 111200Z February 2004.

36/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 23 UNUSABLE 052030Z FEB TO 312359Z DEC.
2. CANCEL THIS MSG 010059Z JAN 05.

(052348Z FEB 2004)

37/04(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 0500Z TO 0459Z COMMENCING DAILY
09 THRU 15 FEB IN AREA BOUND BY
30-45N 080-32W, 30-45N 079-40W,
30-38N 079-40W, 30-34N 080-32W.
 - B. 0500Z TO 0459Z COMMENCING DAILY
09 THRU 15 FEB IN AREA BETWEEN
29-10N 29-20N AND 079-40W 079-50W.
 - C. 1300Z TO 0459Z COMMENCING DAILY
10 THRU 13 FEB AND 0500Z TO 0700Z
DAILY 11 THRU 14 FEB DAILY IN AREA
BETWEEN 30-00N 29-50N AND 081-00W 080-50W.
 - D. 101500Z TO 101800Z FEB IN AREA BOUND BY
30-35N 080-21W, 30-35N 081-00W,
30-00N 081-15W, 30-00N 081-02W.
2. CANCEL THIS MSG 160500Z FEB.

(061305Z FEB 2004)

38/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 071000Z FEB 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 4(GEN), 33(11,26), 36(GEN), 37(11,26).
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 32/04.

(071010Z FEB 2004)

39/04. CANCELED.

40/04(GEN). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 141821Z TO 142308Z FEB, ALTERNATE 151817Z TO 152304Z FEB IN AREAS BOUND BY:
 - A. 28-38N 080-41W, 28-43N 080-28W,
28-31N 079-10W, 28-27N 079-10W,
28-26N 080-22W, 28-28N 080-41W.
 - B. 28-53N 077-58W, 27-59N 069-52W,
27-00N 070-02W, 27-45N 075-54W,
27-56N 078-11W.
 - C. 25-52N 059-20W, 24-08N 053-02W,
23-20N 053-26W, 24-58N 059-41W.
2. CANCEL THIS MSG 160004Z FEB.

(091010Z FEB 2004)

41/04(25). CARIBBEAN SEA.

1. CONTAINER ADRIFT VICINITY 15-43N 061-25W
AT 082015Z FEB.
2. CANCEL THIS MSG 16 FEB.

(091700Z FEB 2004)

42/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 06 UNUSABLE 121800Z TO 130600Z FEB.
2. CANCEL THIS MSG 130700Z FEB.

(091815Z FEB 2004)

NM 9/04

SECTION III

- 43/04(GEN). GPS SATELLITE SYSTEM.
1. PRN 06 UNUSABLE 121800Z TO 272359Z FEB.
2. CANCEL NAVAREA IV 42/04.
3. CANCEL THIS MSG 280059Z FEB.

(100325Z FEB 2004)

44/04. CANCELED.

SECTION III

HYDROLANTS

Messages in force 111200Z February 2004:

2000 series	738(35)	2266(37)	2419(54)	164(53)	230(57)
2937(38)	1117(37)	2271(37)	2420(54)	169(51,52)	234(24)
3762(43)	1242(24)	2297(24)	2004 series	170(23)	236(54,56)
4265(44)	1291(37)	2319(53)	17(53)	172(53)	238(56)
2001 series	1374(52,53)	2340(52,53)	29(37)	176(53)	239(GEN)
611(44)	1422(53)	2354(24)	36(51,52)	177(52)	240(24)
2700(37)	1472(35)	2374(35)	47(54)	179(23,24)	241(24)
3161(44)	1620(53,56)	2384(23,24)	91(53)	191(53)	242(52)
2002 series	1731(35)	2399(24)	106(37)	203(36)	244(37)
245(GEN)	1834(22)	2406(54)	107(57)	206(56)	245(24)
246(GEN)	1944(53)	2407(54)	113(56)	212(GEN)	246(24)
2682(51)	1995(53)	2408(54)	124(53)	214(23,24)	247(24)
2848(37)	1999(23)	2409(54)	128(24)	220(57)	248(56)
2003 series	2031(55)	2410(54)	141(37)	221(GEN)	
41(37)	2058(24)	2413(54)	143(37)	223(23,29)	
67(37)	2175(24)	2414(54)	158(37)	224(24)	
544(55)	2203(53)	2416(54)	159(24,57)	227(37)	
604(26,27)	2235(37)	2418(52)	163(56)	229(57)	

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 051200Z to 111200Z February 2004.

212/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 23 UNUSABLE 052030Z FEB TO 312359Z DEC.
2. CANCEL THIS MSG 010059Z JAN 05.

(052346Z FEB 2004)

213/04. CANCELED.

214/04(23,24). SOUTH ATLANTIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 34-20.6S 031-58.9W AND 37-47.9S 049-47.6W AT 042152Z FEB. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC URUGUAY, INMARSAT-C: 4974 80210, TELEX: 22557, PHONE: 598 2916 1389.

(060550Z FEB 2004)

215/04 thru 219/04. CANCELED.

220/04(57). GULF OF GUINEA.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V OCEAN EXPLORER, M/V BERGEN SURVEYOR, AND M/V FALCON EXPLORER IN AREA BETWEEN 04-00.0N 04-14.5N AND 008-02.0E 008-12.2E.
WIDE BERTH REQUESTED.

(062323Z FEB 2004)

221/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 071100Z FEB 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 2399(24), 2406(54), 2407(54), 2408(54), 2409(54), 2410(54), 2413(54), 2414(54), 2416(54), 2418(52), 2419(54), 2420(54).
2004 SERIES: 17(53), 29(37), 36(51,52), 47(54), 91(53), 106(37), 107(57), 111(57), 113(56), 124(53), 128(24), 141(37), 143(37), 158(37), 159(24,57), 163(56), 164(53), 169(51,52), 170(23), 172(53), 175(53), 176(53), 177(52), 179(23,24), 190(37,51), 191(53), 200(53,54,56), 203(36), 206(56), 208(24), 209(24), 210(24), 211(54), 212(GEN), 213(35,36), 214(23,24), 215(24), 216(24), 217(24), 218(35), 220(57).
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 2379/03, 2380/03, 2383/03, 2385/03, 59/04, 173/04.

(071110Z FEB 2004)

222/04. CANCELED.

SECTION III

223/04(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 06 FEB:
 - A. A-38A, 20 MILES BY 31 MILES IN 53-44S 034-10W.
 - B. A-38B, 19 MILES BY 38 MILES IN 54-14S 035-15W.
 - C. A-43B, SIX MILES BY 35 MILES IN 54-27S 039-07W.
 - D. A-48, FIVE MILES BY EIGHT MILES IN 52-21S 030-40W.
 - E. UK-97, FOUR MILES BY EIGHT MILES IN 53-09S 041-04W.
2. CANCEL THIS MSG 14 FEB.

(071220Z FEB 2004)

224/04(24). BRAZIL-NORTH COAST.

CHART 24290 (3RD ED).

1. RACON AT SIMAO GRANDE LIGHT 00-15S 048-24W INOPERATIVE.
2. CANCEL HYDROLANT 213/04(35,36), STATION RESTORED.

(071320Z FEB 2004)

225/04 and 226/04. CANCELED.

227/04(37). ENGLAND-EAST COAST.

CHART 37170 (11TH ED).

WEST CARDINAL BUOY 53-13.7N 002-48.9E UNRELIABLE.

(080033Z FEB 2004)

228/04. CANCELED.

229/04(57). SOUTH ATLANTIC.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY M/V SAIPEM 10000 IN 06-01.4S 010-39.5E.
ONE MILE BERTH REQUESTED.

(081108Z FEB 2004)

230/04(57). GULF OF GUINEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
M/V RAMFORM VALIANT TOWING TEN 6000 METER
LONG CABLES IN AREA BOUND BY
03-13.18N 006-43.87E, 03-13.20N 006-56.68E,
03-01.68N 006-56.71E, 03-01.65N 006-43.89E.
FIVE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 111/04.

(081655Z FEB 2004)

231/04 thru 233/04. CANCELED.

234/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 120300Z FEB 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 120400Z FEB.

(082355Z FEB 2004)

235/04. CANCELED.

236/04(54,56). EASTERN MEDITERRANEAN SEA. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 110900Z TO 111600Z FEB
WITHIN TWO MILES OF 34-00N 025-00E.
2. CANCEL THIS MSG 111700Z FEB.

(091110Z FEB 2004)

237/04. CANCELED.

238/04(56). EASTERN MEDITERRANEAN SEA.

1. UNDERWATER OPERATIONS 15 FEB THRU 15 MAR
BY M/V NAUTICAL TIDE IN AREA BETWEEN
33-44N 33-18N AND 032-05E 032-10E.
2. CANCEL HYDROLANT 235/04(38).
3. CANCEL THIS MSG 16 MAR.

(091910Z FEB 2004)

239/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 06 UNUSABLE 121800Z TO 272359Z FEB.
2. CANCEL HYDROLANT 237/04.
3. CANCEL THIS MSG 280059Z FEB.

(100333Z FEB 2004)

SECTION III

NM 9/04

NAVAREA XII

Messages in force 111200Z February 2004:

2003 series	2004 series	38(19)	48(GEN)	54(GEN)
262(GEN)	10(GEN)	47(18)	51(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 051200Z to 111200Z February 2004.

48/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 23 UNUSABLE 052030Z FEB TO 312359Z DEC.
2. CANCEL THIS MSG 010059Z JAN 05.

(052343Z FEB 2004)

49/04 and 50/04. CANCELED.

51/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 071000Z FEB 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 10(GEN), 38(19), 47(18), 48(GEN).
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 42/04, 49/04, 50/04.

(071020Z FEB 2004)

52/04 and 53/04. CANCELED.

54/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 06 UNUSABLE 121800Z TO 272359Z FEB.
2. CANCEL NAVAREA XII 53/04.
3. CANCEL THIS MSG 280059Z FEB.

(100343Z FEB 2004)

55/04. CANCELED.

SECTION III

- 186(95), 187(95), 200(74), 205(76), 210(74), 211(94,97),
 212(94,97), 213(94), 214(62), 217(19,97), 221(74),
 222(63), 223(63), 225(GEN), 226(81), 227(74,75).
 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 2223/03, 2227/03, 2233/03,
 2239/03, 2241/03, 189/04, 191/04, 220/04.

(0711120Z FEB 2004)

231/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z
 DAILY 10 AND 13 FEB IN AREA BOUND BY
 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,
 09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
 2. CANCEL THIS MSG 131630Z FEB.

(0711150Z FEB 2004)

232/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z DAILY 11 AND 12 FEB
 WITHIN 75 MILES OF 08-31.9N 076-52.1E.
 2. CANCEL THIS MSG 121800Z FEB.

(0711155Z FEB 2004)

233/04 and 234/04. CANCELED.

235/04(29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 06 FEB IN:
 A. A-22A, 23 MILES BY 32 MILES IN 76-24S 052-18W.
 B. A-23A, 32 MILES BY 34 MILES IN 76-06S 046-36W.
 C. A-27, THREE MILES BY 14 MILES IN 75-54S 042-54W.
 D. A-43A, 14 MILES BY 35 MILES IN 64-42S 055-42W.
 E. A-43E, TEN MILES BY 14 MILES IN 66-48S 059-12W.
 F. A-43F, 22 MILES BY 44 MILES IN 66-24S 060-00W.
 G. A-43J, FIVE MILES BY 17 MILES IN 67-00S 059-48W.
 H. A-52, EIGHT MILES BY 22 MILES IN 65-06S 057-42W.
 2. CANCEL THIS MSG 14 FEB.

(071225Z FEB 2004)

236/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 2330Z TO 0430Z AND 0830Z TO 1330Z
 COMMENCING DAILY 08 THRU 11 FEB IN AREA BETWEEN
 20-00N 20-35N AND 088-00E 089-00E.
 2. CANCEL THIS MSG 121430Z FEB.

(071240Z FEB 2004)

237/04. CANCELED.

238/04(62). PERSIAN GULF.

- CHART 62440 (8TH ED).
 ZIRKUH ISLAND LIGHT 24-53N 053-04E UNLIT.

(071340Z FEB 2004)

239/04. CANCELED.

240/04(61). MOZAMBIQUE CHANNEL. MAYOTTE.

- CHART 61312 (3RD ED.)
 1. CAP DOUAMOUGNO LIGHT 12-39.0S 045-06.1E UNLIT.
 2. CANCEL HYDROPAC 237/04, VESSEL LOCATED.

(071748Z FEB 2004)

241/04(61). MOZAMBIQUE CHANNEL. MAYOTTE.

- CHART 61312 (3RD ED)
 ILE M'SONGOMA FRONT RANGE LIGHT 12-41.2S 045-7.6E UNLIT.

(071759Z FEB 2004)

242/04(61). MOZAMBIQUE CHANNEL. MAYOTTE.

- CHART 61312 (3RD ED.)
 ILE M'SONGOMA REAR RANGE LIGHT 12-41.9S 045-07.6E UNLIT.

(071809Z FEB 2004)

243/04(61). MOZAMBIQUE CHANNEL.

- SEVEN METER F/V, TWO PERSONS ON BOARD, OVERDUE
 ANJOUAN ISLAND AND RETURN. VESSELS IN VICINITY
 REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
 POSSIBLE. REPORTS TO MRCC LA REUNION,
 INMARSAT-C: 4227 99193, TELEX: 916140,
 PHONE: 2622 6243 4343, FAX: 2622 6271 1595.

(071834Z FEB 2004)

SECTION III

NM 9/04

244/04. CANCELED.

245/04(62,63). ARABIAN SEA.

1. F/V AL ASIF LOST PROPELLER IN 19-29N 063-17E.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL HYDROPAC 244/04.

(080645Z FEB 2004)

246/04(76). NEW ZEALAND. NORTH ISLAND-WEST COAST.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V MARKAB IN 38-53.2S 174-15.1E.
500 METER BERTH REQUESTED.

(082105Z FEB 2004)

247/04(75). AUSTRALIA-SOUTHWEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V SOUTHERN SURVEYOR TOWING 600 METER LONG
CABLE IN AREA BETWEEN 36-20S COASTLINE AND
116-30E 121-30E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 197/03(71), AID RESTORED.
3. CANCEL HYDROPAC 205/04(76).

(090940Z FEB 2004)

248/04(74). AUSTRALIA-NORTHWEST COAST.

CHART 74018 (6TH ED).
GANTHEAUME POINT LIGHT 17-58.5S 122-10.6E UNLIT.

(090950Z FEB 2004)

249/04(81,83). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED IN 05-00N 174-05E AT
090820Z FEB. 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.

(091120Z FEB 2004)

250/04 thru 252/04. CANCELED.

253/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 06 UNUSABLE 121800Z TO 272359Z FEB.
2. CANCEL HYDROPAC 250/04.
3. CANCEL THIS MSG 280059Z FEB.

(100349Z FEB 2004)

254/04(73). INDONESIA. CERAM SEA.

1. DERELICT 20 FOOT VESSEL PARTIALLY SUBMERGED
AND ADRIFT VICINITY 04-15S 127-44E.
2. CANCEL THIS MSG 17 FEB.

(100429Z FEB 2004)

255/04 and 256/04. CANCELED.

257/04(61). MOZAMBIQUE CHANNEL.

CHART 61020 (2ND ED).
EUROPA ISLAND LIGHT 22-19.1S 040-20.4E UNLIT.

(110105Z FEB 2004)

258/04. CANCELED.

259/04(81). NORTH PACIFIC. FEDERATED STATES OF MICRONESIA.

1. VESSEL, THREE PERSONS ON BOARD, OVERDUE MURILLO ATOLL
TO TRUK ISLANDS. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC GUAM, TELEX: 392401,
PHONE: 671 339 6100, FAX: 671 339 6210.
2. CANCEL HYDROPAC 258/04(76,83), FALSE ALERT.

(111010Z FEB 2004)

260/04(96). NORTH PACIFIC. MISSILES.

1. HAZARDOUS OPERATIONS 0001Z TO 0600Z DAILY
16 THRU 18 FEB IN AREA BOUND BY
52-30.5N 159-29.0E, 52-37.8N 159-29.3E,
52-37.8N 159-41.6E, 52-04.8N 160-34.0E,
51-57.2N 160-21.3E.
2. CANCEL THIS MSG 180700Z FEB.

(111110Z FEB 2004)

SECTION III

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 11 February 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 11 February 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION

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.

11378	33 rd Ed. Jan 2004 NEW EDITION 11XHA11378 FL-AL-IWW-SANTA ROSA SOUND TO DAUPHIN ISLAND (New edition due to numerous Notice to Mariners changes.)	NAD 83	(NOS Silver Spring, MD) VARIOUS
11545	61 st Ed. Feb 2004 NEW EDITION 11AHA11545 NC-BEAUFORT INLET AND CORE SOUND INSET: Lookout Bight (New edition due to numerous Notice to Mariner changes and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1 : 40,000 1: 20,000
11547	36 th Ed. Feb 2004 NEW EDITION 11AHA11547 NC-MOREHEAD CITY HARBOR (New edition due to numerous Notice to Mariner corrections.)	NAD 83	(NOS Silver Spring, MD) 1 : 40,000
12228	30 th Ed. Jan 2004 NEW EDITION 12AHA12228 MD-VA-CHESAPEAKE BAY - POCOMOKE AND TANGIER SOUNDS (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1 : 40,000
12254	44 th Ed. Jan 2004 NEW EDITION 12AHA12254 VA-CHESAPEAKE BAY – CAPE HENRY TO THIMBLE SHOAL LIGHT (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1: 20,000
14816	24 th Ed. Feb 2004 NEW EDITION 14XHA14816 NY-LAKE ONTARIO-LOWER NIAGARA RIVER (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1 : 40,000
14982	9 th Ed. Feb 2004 NEW EDITION 14XHA14982 MN-ONT-BORDER LAKES-NORTH LAKE (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1 : 42,240
16474	8 th Ed. Jan 2004 NEW EDITION 16BHA16474 AK-ALEUTIAN ISLANDS-BAY OF ISLANDS-ADAK ISLAND (New edition due to various general changes.)	NAD 83	(NOS Silver Spring, MD) 1: 12,000
16511	7 th Ed. Jan 2004 NEW EDITION 16XHA16511 AK-ALEUTIAN ISLANDS-UMNAK ISLAND-INANUDAK AND NIKOLSKI BAYS INSET: River and Mueller Coves (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1 : 40,000 1: 10,000
18556	25 th Ed. Jan 2004 NEW EDITION 18XHA18556 OR-NEHALEM RIVER (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1 : 20,000
19004	37 th Ed. Jan 2004 NEW EDITION 19XCO19004 HI-HAWAIIAN ISLANDS (New edition due to numerous Notice to Mariner changes and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1: 600,000

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

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

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

Ship/Organization: name of vessel or organization.

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

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

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

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

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

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

Include details about the equipment used, if deemed pertinent.

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

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

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

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

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

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

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

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

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

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

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

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

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

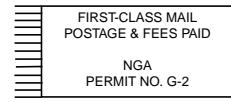
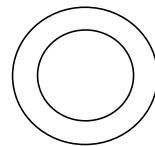
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

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

User Feedback (continue on additional sheets as necessary)



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



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

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

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

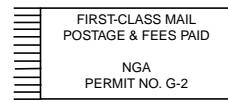
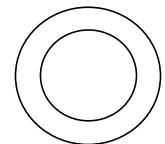
If observed, Date _____ Time (Local) _____

Latitude Longitude Datum

Verified by Navigator: Yes No

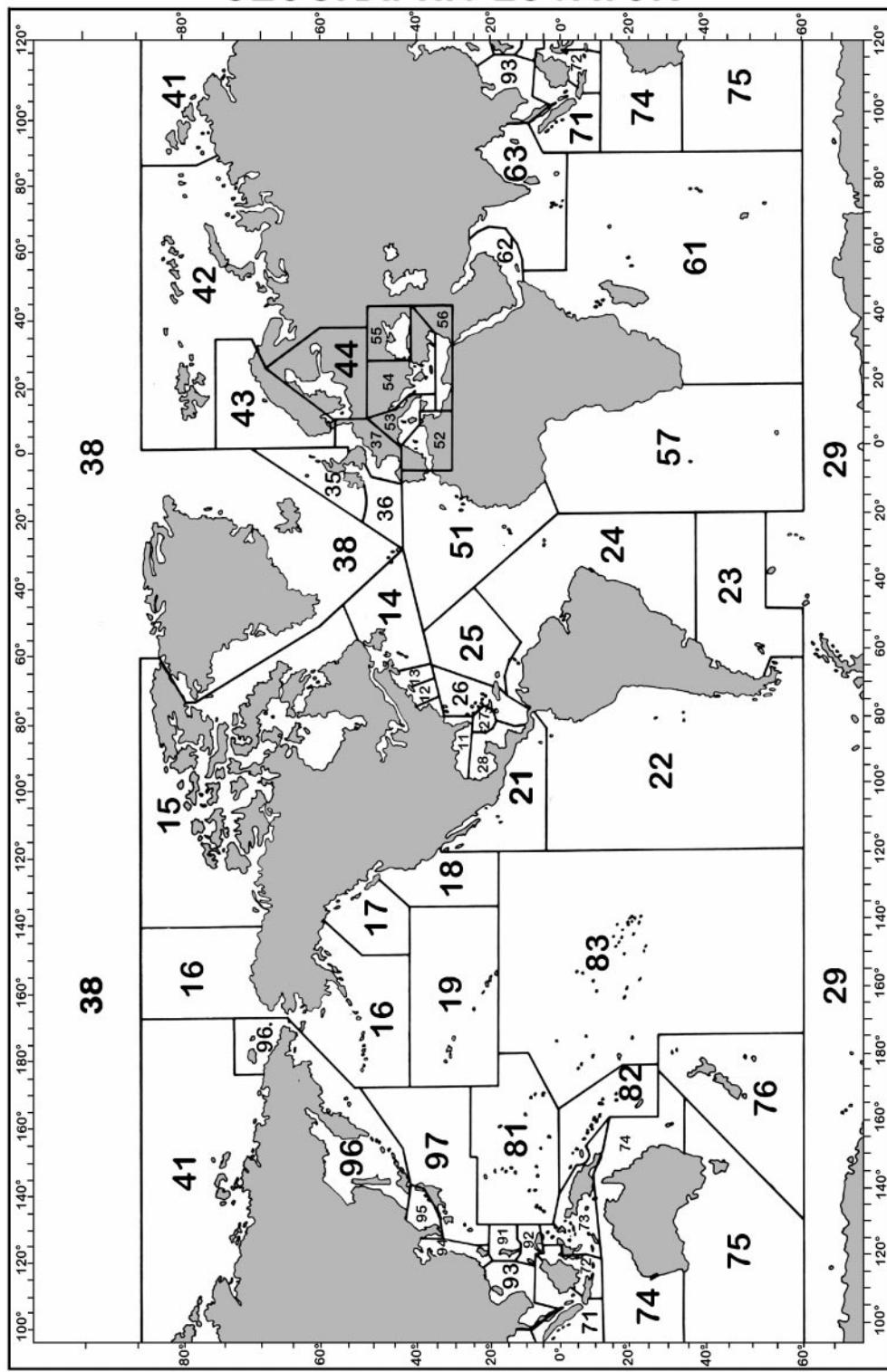
Sounding(s) corrected for draft: Yes _____ No _____

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



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

GEOGRAPHIC LOCATOR



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

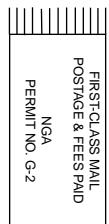
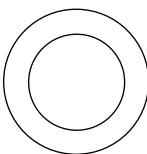
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

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**IMPORTANT
NAVIGATIONAL INFORMATION
TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY