



No. 24  
12 JUNE 2004



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Geospatial-Intelligence Agency

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

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



NSN 7642015139800  
NGA REF.NO. NMXXX0424

## 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](mailto:NavNotices@nga.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nga.mil](mailto:SDPUBS@nga.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nga.mil](mailto:webmaster_nss@nga.mil).

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

**Cover Photo:** The **USS FORD (FFG-54)** is the forty-eighth ship of the *Oliver Hazard Perry* Class of guided missile frigates. Her mission is to provide in-depth anti-air, anti-surface and anti-subsurface protection for military and merchant shipping and to ensure continuous use of the sea lanes for the Untied states and her allies. The combat systems aboard utilize a computer command and control system to integrate the ships sensors and weapons. Her weapons include surface-to-surface and surface-to-air missiles, a 76mm rapid fire gun, a close-in weapons system, anti-torpedoes and LAMPS MK III helicopter. The propulsion system is a computer controlled gas turbine power plant which utilizes jet engines. **FORD's** propulsion system can be "brought on line" in less than five minutes as compared to more than four hours for the conventional steam powered ships. Despite the advanced systems aboard, the heart of the ship is the crew. Each member has been highly trained in his particular area of expertise so that he can either operate, monitor or repair all shipboard systems. Skilled technicians and professional leadership make **USS FORD** a vital asset for the fleet in today's multi-threat environment.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

NM 24/04

# HYDROGRAM

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

SPECIAL  
ANNOUNCEMENTS  
\_\_\_\_\_  
NEW PRODUCTS  
OR SERVICES  
\_\_\_\_\_  
IMPORTANT  
CHANGES

**12 June 2004**

## **NEW EDITION OF SAILING DIRECTIONS**

PUB. 142, SAILING DIRECTIONS (ENROUTE) IRELAND AND THE WEST COAST OF ENGLAND, NINTH EDITION, 2004, IS READY FOR ISSUE. SEE SECTIONS II AND III.

## **NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY**

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

## EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

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

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

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

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

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

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

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

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

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

**SECTION I  
CHART CORRECTIONS**

<b>★11332</b>	29Ed. 4/04 (NOS)	NEW EDITION	24/04	Dashed line (overhead power cable) [D26] between 30°22'18"N 88°33'51"W 30°22'15"N 88°33'42"W
<b>★11344</b>	35Ed. 12/02 Add (NOS)	LAST NM 17/04 Tabulation of controlling depths from Subsection I-2	24/04	Legend "OVHD PWR CAB AUTH CL 101 FT" 30°22'19"N 88°34'00"W
<b>★11347</b>	33Ed. 7/02 Change (NOS)	LAST NM 9/04 <b>(Side A)</b> Legend to "36 FT MAR 2004" (See 4/04-11347)	24/04	<b>11374</b> 32Ed. 10/03 LAST NM 22/04 <b>(Side A)</b> Change Legend to "PASCAGOULA BAR CHANNEL" 30°11'20"N 88°31'50"W
	Add	Tabulation of controlling depths from Subsection I-2		Legend to "LOWER PASCAGOULA CHANNEL" 30°14'36"N 88°30'18"W
	Change	<b>(Side B)</b> Legend to "36 FT MAR 2004" Legend to "38 FT MAR 2004"		Legend to "UPPER PASCAGOULA CHANNEL" 30°17'32"N 88°31'18"W
	Add	Depth 33 feet	30°06'30.6"N 93°17'03.6"W	Purple solid line (channel separator) between 30°12'16.7"N 88°30'49.7"W 30°12'20.0"N 88°30'55.8"W
	Change	<b>(Side B, Inset 1)</b> Legend to "34 FT JAN 2004" Legend to "32 ft 2003" Legend to "31 FT 2004" Legend to "29 FT JAN 2004" Legend to "26 FT JAN 2004" (See 48/03-11347)	30°11'28.5"N 93°17'55.9"W 30°12'51.1"N 93°16'55.2"W 30°12'51.9"N 93°15'28.2"W 30°13'35.2"N 93°14'39.2"W 30°13'58.9"N 93°14'44.8"W	Legend "HORN ISLAND PASS CHANNEL (see tabulation side B)" 30°12'49.0"N 88°30'38.0"W
	Add	Depth 36 feet	30°10'52.7"N 93°18'20.7"W	Purple solid line (channel separator) between 30°13'27.6"N 88°30'17.2"W 30°13'27.3"N 88°30'24.2"W
		Tabulation of controlling depths from Subsection I-2		Purple solid line (channel separator) between 30°17'10.3"N 88°30'43.5"W 30°17'10.4"N 88°30'50.6"W
	(NOS)			<b>(Side B)</b> Delete Dashed line (overhead power cable) between 30°22'19"N 88°33'33"W 30°22'19"N 88°33'51"W
<b>11348</b>	20Ed. 8/03 Change (NOS)	LAST NM 4/04 <b>(Side A)</b> Legend to "36 FT MAR 2004" Legend to "38 FT MAR 2004" (Supersedes 4/04-11348)	24/04	Change Legend to "UPPER PASCAGOULA CHANNEL" 30°19'02"N 88°32'41"W
	Add	Depth 33 feet	30°06'30.6"N 93°17'03.6"W	Legend to "...FIXED BRIDGE HOR CL 150 FT VERT CL 80 FT OVHD PWR CAB AUTH CL 101 FT" (See 20/04-11374)
<b>★11361</b>	71Ed. 12/03 Add (NOS)	LAST NM 23/04 Submarine pipeline [L40.1] between 28°55'27"N 88°57'34"W 28°56'07"N 88°58'06"W	24/04	Add Purple solid line (channel separator) between 30°17'10.3"N 88°30'43.5"W 30°17'10.4"N 88°30'50.6"W
<b>11373</b>	43Ed. 9/03 Delete Change Add Purple solid line (channel separator) Legend "HORN I. PASS CHAN." Purple solid line (channel separator) between 30°13'28"N 88°30'17"W 30°13'27"N 88°30'24"W Purple solid line (channel separator) between 30°17'10"N 88°30'44"W 30°17'10"N 88°30'51"W Purple solid line (channel separator) between 30°20'49"N 88°30'22"W 30°20'51"N 88°30'29"W Purple solid line (channel separator) between 30°21'46"N 88°33'53"W 30°21'46"N 88°33'57"W	LAST NM 22/04 Legend "OVHD PWR CABS AUTH CL 68 FT" Legend to "PASCAGOULA BAR CHANNEL" 30°10'30"N 88°32'25"W Legend to "UPPER PASCAGOULA CHANNEL" 30°18'49"N 88°32'27"W Legend "LOWER PASCAGOULA CHANNEL" 30°15'04"N 88°30'23"W 30°12'17"N 88°30'50"W 30°12'20"N 88°30'56"W Legend "HORN I. PASS CHAN." 30°12'49"N 88°30'38"W Purple solid line (channel separator) between 30°13'28"N 88°30'17"W 30°13'27"N 88°30'24"W Purple solid line (channel separator) between 30°17'10"N 88°30'44"W 30°17'10"N 88°30'51"W Purple solid line (channel separator) between 30°20'49"N 88°30'22"W 30°20'51"N 88°30'29"W Purple solid line (channel separator) between 30°21'46"N 88°33'53"W 30°21'46"N 88°33'57"W	24/04	Dashed line (overhead power cable) [D26] between 30°22'15.3"N 88°33'41.5"W 30°22'17.9"N 88°33'51.0"W
				<b>★11375</b> 35Ed. 8/02 LAST NM 22/04 Delete Dashed line (overhead power cable) between 30°22'18.9"N 88°33'41.2"W 30°22'19.2"N 88°33'51.4"W
	Change	Legend to "PASCAGOULA BAR CHANNEL" 30°11'37.5"N 88°31'31.8"W		Change Legend to "PASCAGOULA BAR CHANNEL" 30°14'50.7"N 88°30'29.4"W
				Legend to "LOWER PASCAGOULA CHANNEL" 30°18'45.3"N 88°32'18.6"W
				Legend to "UPPER PASCAGOULA CHANNEL" 30°22'12.0"N 88°33'25.0"W
				(See 20/04-11375)
	Add	Purple solid line (channel separator) between 30°12'16.7"N 88°30'49.7"W 30°12'20.0"N 88°30'55.8"W		

(continued on next page)

## SECTION I

<b>11375</b>	(Continued) Legend "HORN ISLAND PASS CHANNEL (see tabulation)"	30°12'49.0"N 88°30'38.0"W		<b>13218</b> 38Ed. 3/10/01 LAST NM 23/04 Relocate Buoy "6" from 41°27'56"N 70°56'37"W to 41°28'04"N 70°56'41"W (15/04 CG1)	24/04
	Purple solid line (channel separator) between 30°13'27.6"N 88°30'17.2"W 30°13'27.3"N 88°30'24.2"W				
	Purple solid line (channel separator) between 30°17'10.3"N 88°30'43.5"W 30°17'10.4"N 88°30'50.6"W				
	Purple solid line (channel separator) between 30°20'49.3"N 88°30'22.3"W 30°20'50.8"N 88°30'29.4"W				
	Purple solid line (channel separator) between 30°21'45.9"N 88°33'53.3"W 30°21'46.3"N 88°33'57.3"W				
	Dashed line (overhead power cable) [D26] between 30°22'15.3"N 88°33'41.5"W 30°22'17.9"N 88°33'51.0"W				
	(NOS)				
<b>11378</b>	33Ed. 2/04 LAST NM 23/04 <b>(Side A)</b> Add Tabulation (2) of controlling depths from Subsection I-2 (NOS)		24/04	<b>13229</b> 28Ed. 1/04 LAST NM 23/04 <b>(Page E)</b> Relocate Buoy "6" from 41°27'56"N 70°56'38"W to 41°28'04"N 70°56'41"W (15/04 CG1)	24/04
<b>11382</b>	40Ed. 2/04 LAST NM 18/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)		24/04	<b>★13230</b> 47Ed. 12/03 LAST NM 23/04 Relocate Buoy "6" from 41°27'57"N 70°56'38"W to 41°28'04"N 70°56'41"W (15/04 CG1)	24/04
<b>★11383</b>	50Ed. 10/03 LAST NM 13/04 Add Tabulation (2) of controlling depths from Subsection I-2 (NOS)		24/04	<b>★14820</b> 20Ed. 1/04 LAST NM 15/04 Substitute Depth 8.1 meters Wk [K26] for dangerous wreck "Rep (1985)" (NOS)	24/04
				<b>14832</b> 34Ed. 10/02 LAST NM 51/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	24/04
				<b>★14833</b> 26Ed. 2/04 LAST NM 19/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)	24/04
				<b>14850</b> 52Ed. 10/03 LAST NM 2/04 Change Buoy to "30" R, QR (19/04 CG9)	24/04
				<b>★14852</b> 45Ed. 2/03 LAST NM 21/04 Change Characteristic of buoy "30" to QR (Continuation) Delete Light 42°58'24"N 82°25'09"W Add Light "1" Fl G 4s 29ft 3 St M 42°58'21"N 82°25'10"W <b>(Inset)</b> Delete Light 42°58'24"N 82°25'09"W Add Light "1" Fl G 4s 29ft 3 St M 42°58'21"N 82°25'10"W (19/04 CG9)	24/04
<b>11389</b>	32Ed. 10/13/01 LAST NM 23/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)		24/04	<b>14853</b> 14Ed. 3/03 LAST NM 21/04 <b>(Page 36)</b> Change Characteristic of buoy "30" to QR 42°30'32"N 82°41'54"W <b>(Page 49)</b> Delete Light 42°58'24.2"N 82°25'09.3"W Add Light "1" Fl G 4s 29ft 3 St M 42°58'21.3"N 82°25'09.6"W <b>(Page 50)</b> Delete Light 42°58'24.2"N 82°25'09.3"W Add Light "1" Fl G 4s 29ft 3 St M 42°58'21.3"N 82°25'09.6"W (19/04 CG9)	24/04
<b>11390</b>	23Ed. 2/04 LAST NM 23/04 <b>(Side A)</b> Add Tabulation of controlling depths from Subsection I-2 (NOS)		24/04		
<b>★11391</b>	23Ed. 10/03 LAST NM 23/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)		24/04	<b>14910</b> 23Ed. 2/03 LAST NM 17/03 Change Range light, front to QG 43ft, Fl Y 4s 45ft 4 St M 44°35'24"N 87°57'30"W (19/04 CG9)	24/04
<b>12327</b>	97Ed. 9/03 LAST NM 22/04 Relocate Buoy "KV" from 40°38'54"N 74°03'48"W to 40°39'01"N 74°03'52"W (15/04 CG1)		24/04	<b>★14918</b> 27Ed. 3/1/04 LAST NM 22/04 Change Range light, front to QG 43ft, Fl Y 4s 45ft 4 St M 44°35'22.7"N 87°57'28.7"W (19/04 CG9)	24/04
<b>12333</b>	33Ed. 9/03 LAST NM 17/04 Relocate Buoy "KV" from 40°38'55.2"N 74°03'48.3"W to 40°39'01.4"N 74°03'51.5"W (15/04 CG1)		24/04	<b>★14926</b> 10Ed. 4/03 LAST NM 20/04 <b>(Page 30)</b> Delete Legend "236°" (NOS)	24/04
<b>★12347</b>	29Ed. 12/9/00 LAST NM 35/03 Relocate Buoy "60" from 41°42'41"N 73°56'38"W to 41°42'53"N 73°56'39"W (15/04 CG1)		24/04		

## SECTION I

NM 24/04

<b>★14975</b>	33Ed. 10/02 LAST NM 10/04 Add Tabulation (2) of controlling depths from Subsection I-2	24/04	(Inset) Change Light to "6" Fl R 4s 15ft (18/04 CG13) 46°54'44.7"N 124°06'36.9"W
	Double solid line with land tint (bridge) [D23.4] between 46°46'52.5"N 92°05'46.7"W 46°46'53.4"N 92°05'44.0"W		
	Legend "BASCULE BRIDGE HOR CL 63 FT HOR CL 63 FT (OPEN) VERT CL 6 FT 46°46'54.5"N 92°05'55.5"W		
	Caution note "CAUTION BASCULE BRIDGE CLEARANCES For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance." 46°46'12.4"N 92°09'49.1"W (NOS)		
<b>★16435</b>	6Ed. 4/04 NEW EDITION (NOS)	24/04	
<b>★16486</b>	7Ed. 5/04 NEW EDITION (NOS)	24/04	
<b>★16516</b>	7Ed. 3/04 NEW EDITION (NOS)	24/04	
<b>★16529</b>	15Ed. 4/04 NEW EDITION (NOS)	24/04	
<b>★17303</b>	10Ed. 3/04 NEW EDITION (NOS)	24/04	
<b>18007</b>	31Ed. 3/31/01 LAST NM 22/04 Add Buoy "94" Y, spherical, Fl(5) Y 20s (Priv) 40°17.6'N 124°44.4'W Buoy "128" Y, spherical, Fl(5) Y 20s (Priv) 40°45.2'N 124°18.8'W (10/04 CG11)	24/04	
<b>18008</b>	7Ed. 10/12/96 LAST NM N22/04 Add Buoy "94" Y, spherical, Fl(5) Y 20s (Priv) 40°17.6'N 124°44.4'W (10/04 CG11)	N24/04	
<b>18010</b>	20Ed. 2/10/01 LAST NM 16/04 Add Buoy "94" Y, spherical, Fl(5) Y 20s (Priv) 40°17.6'N 124°44.4'W Buoy "128" Y, spherical, Fl(5) Y 20s (Priv) 40°45.2'N 124°18.8'W (10/04 CG11)	24/04	
<b>18020</b>	37Ed. 9/03 LAST NM 22/04 Add Buoy "28" Y, spherical, Fl(5) Y 20s (Priv) 33°51.3'N 118°38.0'W Buoy "94" Y, spherical, Fl(5) Y 20s (Priv) 40°17.6'N 124°44.4'W Buoy "102" Y, spherical, Fl(5) Y 20s (Priv) 33°58.8'N 119°00.0'W (10/04 CG11)	24/04	
<b>18022</b>	34Ed. 11/03 LAST NM 23/04 Add Buoy "28" Y, spherical, Fl(5) Y 20s (Priv) 33°51.3'N 118°38.0'W Buoy "102" Y, spherical, Fl(5) Y 20s (Priv) 33°58.8'N 119°00.0'W (10/04 CG11)	24/04	
<b>★18502</b>	84Ed. 6/02 LAST NM 21/04 Delete Light (FR 15ft) 46°57'39"N 123°50'35"W Light (FR 19ft (Priv)) and legend "PA" 46°57'52"N 123°51'11"W Change Light to "6" Fl R 4s 15ft 46°54'45"N 124°06'37"W	24/04	
<b>★18553</b>	7Ed. 4/04 NEW EDITION (NOS)	24/04	
<b>★18620</b>	23Ed. 6/1/02 LAST NM 7/04 Add Buoy "94" Y, spherical, Fl(5) Y 20s (Priv) 40°17.6'N 124°44.4'W Buoy "128" Y, spherical, Fl(5) Y 20s (Priv) 40°45.2'N 124°18.8'W (10/04 CG11)	24/04	
<b>★18720</b>	31Ed. 7/29/00 LAST NM 23/04 Add Danger circle "Obstn" [K40] 34°20.5'N 119°31.2'W Danger circle "Obstn" [K40] 34°23.0'N 119°34.1'W Danger circle "Obstn" [K40] 34°20.4'N 119°31.9'W Danger circle "Obstn" [K40] 34°23.3'N 119°35.8'W Buoy "102" Y, spherical, Fl(5) Y 20s (Priv) 33°58.8'N 119°00.0'W (NOS; 10/04 CG11)	24/04	
<b>★18725</b>	27Ed. 6/03 LAST NM 23/04 Add Danger circle "Obstn" [K40] 34°20'33"N 119°31'11"W Danger circle "Obstn" [K40] 34°23'00"N 119°34'05"W Danger circle "Obstn" [K40] 34°20'27"N 119°31'55"W Danger circle "Obstn" [K40] 34°23'19"N 119°35'46"W (NOS)	24/04	
<b>18740</b>	40Ed. 8/03 LAST NM 23/04 Add Buoy "28" Y, spherical, Fl(5) Y 20s (Priv) 33°51.3'N 118°38.0'W Buoy "102" Y, spherical, Fl(5) Y 20s (Priv) 33°58.8'N 119°00.0'W (10/04 CG11)	24/04	
<b>★18744</b>	30Ed. 5/9/98 LAST NM 35/03 Add Buoy "28" Y, spherical, Fl(5) Y 20s (Priv) 33°51'16"N 118°37'59"W (10/04 CG11)	24/04	
<b>18760</b>	6Ed. 9/5/98 LAST NM N22/04 Add Buoy "28" Y, spherical, Fl(5) Y 20s (Priv) 33°51.3'N 118°38.0'W Buoy "102" Y, spherical, Fl(5) Y 20s (Priv) 33°58.8'N 119°00.0'W (10/04 CG11)	N24/04	
<b>19002</b>	9Ed. 3/1/97 LAST NM N23/04 Relocate Buoy (FAD) "Q" from 21°05.4'N 156°14.8'W to 21°08.5'N 156°07.7'W (18/04 CG14)	N24/04	
<b>19004</b>	37Ed. 1/04 LAST NM 23/04 Relocate Buoy (FAD) "Q" from 21°05.4'N 156°15.0'W to 21°08.5'N 156°07.7'W (18/04 CG14)	24/04	
<b>19010</b>	18Ed. 3/04 LAST NM 23/04 Relocate Buoy (FAD) "Q" from 21°05.5'N 156°14.8'W to 21°08.5'N 156°07.7'W (18/04 CG14)	24/04	
<b>19013</b>	17Ed. 2/04 LAST NM 23/04 Relocate Buoy (FAD) "Q" from 21°05.2'N 156°14.8'W to 21°08.5'N 156°07.7'W (18/04 CG14)	24/04	
<b>19339</b>	1Ed. 7/19/97 LAST NM N23/04 Relocate Buoy (FAD) "Q" from 21°05.4'N 156°14.8'W to 21°08.5'N 156°07.7'W (18/04 CG14)	N24/04	

★19340	26Ed. 12/2/00 LAST NM 23/04 Relocate Buoy (FAD) "Q" from 21°05.4'N 156°14.8'W to 21°08.5'N 156°07.7'W (18/04 CG14)	24/04	★35040	18Ed. 5/10/97 CHART CANCELED (NGA)	24/04
21544	20Ed. 6/24/95 LAST NM 33/00 Delete Buoy (18/1973T)04 Taunton)	24/04 9°54'32"N 84°44'54"W	★35042	9Ed. 1/18/97 CHART CANCELED (NGA)	24/04
21546	3Ed. 9/9/95 LAST NM 11/00 Delete Buoy Add Legend "See Note" Note "NOTE Wavemeter buoy, restricted area, and submarine cable reported to lie 0.65 mile 302° from charted position (2004)" 9°53'56.0"N 84°43'18.0"W (18/1973T)04 Taunton)	24/04 9°54'32.3"N 84°44'53.6"W 9°54'38.0"N 84°43'48.0"W	35130	3Ed. 11/15/97 LAST NM 5/03 Add Depth 18 meters Wk [K30] (18/1935)04 Taunton)	24/04 59°01.6'N 2°42.4'W
			35136	2Ed. 9/1/84 LAST NM 51/02 Add Depth 18 meters Wk [K30] (18/1935)04 Taunton)	24/04 59°01'39"N 2°42'18"W
			35200	7Ed. 6/14/97 LAST NM 25/03 Add Depth 18 meters Wk [K30] (18/1935)04 Taunton)	24/04 59°01.6'N 2°42.4'W
★22052	7Ed. 2/7/04 NEW EDITION (NGA)	24/04	37082	9Ed. 3/6/99 LAST NM 11/03 Relocate Buoy "SW Shingles" from 50°39'21.0"N 1°37'25.5"W to 50°39'21.3"N 1°37'28.2"W (7/04 Trinity House)	24/04
23010	4Ed. 12/28/96 LAST NM 38/02 Delete Depth 8.2 meters Add Depth 7.8 meters (Arg CH H-360)	24/04 47°42.8'S 65°49.0'W 47°43.5'S 65°49.4'W	37120	2Ed. 3/22/97 LAST NM 20/04 Delete Depth 33 meters Wk (3/63)04 Oostende)	24/04 51°32.5'N 2°19.1'E
23071	3Ed. 11/24/84 LAST NM 37/01 Substitute Depth 7.8 meters for 0.8 meter (Arg CH H-360)	24/04 47°43'31"S 65°49'22"W	37140	33Ed. 5/25/96 LAST NM 12/04 Delete Depth 33 meters Wk (3/63)04 Oostende)	24/04 51°32.5'N 2°19.1'E
24404	8Ed. 9/4/93 LAST NM 11/04 Add Danger circle [K1] "Shoal rep (2003)" (23/03 Caracas)	24/04 10°43.0'N 62°51.0'W	37164	4Ed. 1/25/97 LAST NM 22/04 <b>(Panel B)</b> Add Depth 12.7 meters (7/99)04 's-Gravenhage)	24/04 52°30'03"N 4°26'07"E
24430	5Ed. 8/7/93 LAST NM 52/03 Add Danger circle [K1] "Shoal rep (2003)" (23/03 Caracas)	24/04 10°43.0'N 62°51.0'W	37223	14Ed. 9/2/95 LAST NM 21/04 Add Depth 16.2 meters (7/100)04 's-Gravenhage)	24/04 53°07.8'N 4°38.7'E
24508	3Ed. 3/22/03 LAST NM 22/03 Add Buoy "7A" G, pillar, Fl G 3s (35/04 Bogota)	24/04 10°19'02.0"N 75°34'33.0"W	37243	7Ed. 5/23/98 LAST NM 37/03 <b>(Panel A)</b> Change Legend to "3.9m" (7/94)04 's-Gravenhage)	24/04 51°54'16.8"N 4°29'19.2"E
24510	2Ed. 6/24/95 LAST NM 21/04 Add Buoy "7A" G, pillar, Fl G 3s (35/04 Bogota)	24/04 10°19'02"N 75°34'33"W	37244	11Ed. 2/1/97 LAST NM 20/04 Delete Depth 33 meters Wk Substitute Depth 24 meters for 25.5 meters Add Foul ground symbol [K31] (3/63)04 Oostende; 5(77), 10(118)04 's-Gravenhage)	24/04 51°32.5'N 2°19.1'E 51°53.5'N 2°44.0'E 51°46.9'N 3°19.0'E
24512	3Ed. 9/20/97 LAST NM 42/03 Add Fish haven symbol [K46.1] Fish haven symbol [K46.1] (37, 38/04 Bogota)	24/04 9°26'34"N 75°44'20"W 9°26'11"N 75°40'04"W	37246	14Ed. 5/16/98 LAST NM 22/04 Delete Buoy "WP 1" Buoy "WP 3" Buoy "WP 5" Relocate Buoy "49" from 51°25'54"N 4°00'36"E to 51°25'46"N 4°00'44"E Add Buoy "WP" Y, conical (7/96)04 's-Gravenhage)	24/04 51°26'02"N 3°59'49"E 51°25'59"N 4°00'10"E 51°25'48"N 4°00'30"E 51°25'46"N 4°00'44"E 51°26'41"N 4°00'32"E
24513	18Ed. 1/17/98 LAST NM 42/03 Add Fish haven symbol [K46.1] Fish haven symbol [K46.1] (37, 38/04 Bogota)	24/04 9°26'34"N 75°44'20"W 9°26'11"N 75°40'04"W	43262	5Ed. 6/18/94 LAST NM 46/03 Delete Submarine cable between Submarine cable between Anchorage symbol Anchorage symbol (small vessels) Add Beacon Beacon	24/04 62°48'05"N 6°30'37"E 62°48'04"N 6°31'47"E 62°43'09"N 6°56'20"E 62°43'41"N 6°58'54"E 62°50'09"N 6°57'25"E 62°49'10"N 6°48'18"E 62°43'19"N 7°10'25"E 62°43'06"N 7°10'32"E
27083	39Ed. 11/26/94 LAST NM 4/04 <b>(Plan A)</b> Change Buoy "1" to G, pillar, can topmark, Fl G 5s (See 4/04-27083) (3/21)04 Habana)	24/04 23°01'40.0"N 82°45'24.6"W			
★35006	Ed. 11/01 NEW CHART (NGA)	N24/04			
★35027	Ed. 11/01 NEW CHART (NGA)	N24/04			

(continued on next page)

# SECTION I

**NM 24/04**

<b>43262</b>	(Continued)			
	Beacon	62°43'02"N 7°11'08"E	Submarine pipeline [L40.1] between	62°47'22"N 6°55'24"E
	Beacon	62°43'34"N 7°14'48"E		62°47'20"N 6°55'41"E
	Submarine pipeline [L40.1] joining	62°35'48"N 6°28'05"E	Submarine pipeline [L40.1] joining	62°46'58"N 6°52'51"E
		62°35'46"N 6°27'50"E		62°46'49"N 6°52'49"E
		62°35'39"N 6°27'41"E		62°46'41"N 6°52'41"E
		62°35'38"N 6°27'28"E	Submarine pipeline [L40.1] between	62°48'54"N 6°55'42"E
	Submarine pipeline [L40.1] between	62°47'41"N 6°55'12"E		62°48'42"N 6°55'48"E
		62°47'53"N 6°55'22"E	Submarine pipeline [L40.1] between	62°48'47"N 6°54'34"E
	Submarine pipeline [L40.1] between	62°47'31"N 6°55'24"E		62°48'48"N 6°55'05"E
		62°47'29"N 6°55'38"E	Submarine pipeline [L40.1] joining	62°48'29"N 6°54'32"E
	Submarine pipeline [L40.1] between	62°47'22"N 6°55'24"E		62°48'26"N 6°54'44"E
		62°47'20"N 6°55'41"E		62°48'22"N 6°54'48"E
	Submarine pipeline [L40.1] joining	62°46'58"N 6°52'51"E	Submarine pipeline [L40.1] between	62°48'01"N 6°54'10"E
		62°46'49"N 6°52'49"E		62°48'01"N 6°54'24"E
		62°46'41"N 6°52'41"E	Submarine pipeline [L40.1] between	62°47'45"N 6°54'22"E
	Submarine pipeline [L40.1] between	62°50'02"N 6°57'14"E		62°47'50"N 6°54'29"E
		62°50'09"N 6°57'26"E	Submarine pipeline [L40.1] between	62°47'41"N 6°54'45"E
	Submarine pipeline [L40.1] between	62°48'54"N 6°55'42"E		62°47'45"N 6°54'36"E
		62°48'42"N 6°55'48"E	Submarine pipeline [L40.1] between	62°46'36"N 6°58'30"E
	Submarine pipeline [L40.1] between	62°48'47"N 6°54'34"E		62°46'31"N 6°58'21"E
		62°48'48"N 6°55'05"E	Submarine pipeline [L40.1] between	62°46'15"N 6°59'06"E
	Submarine pipeline [L40.1] joining	62°48'29"N 6°54'32"E		62°46'10"N 6°58'52"E
		62°48'26"N 6°54'44"E	Submarine pipeline [L40.1] between	62°46'05"N 6°59'27"E
		62°48'22"N 6°54'48"E		62°46'00"N 6°59'21"E
	Submarine pipeline [L40.1] between	62°48'01"N 6°54'10"E	Submarine pipeline [L40.1] joining	62°48'26"N 6°48'02"E
		62°48'01"N 6°54'24"E		62°48'22"N 6°48'00"E
	Submarine pipeline [L40.1] between	62°47'45"N 6°54'22"E		62°48'13"N 6°47'41"E
		62°47'50"N 6°54'29"E	Submarine pipeline [L40.1] between	62°49'04"N 6°48'16"E
	Submarine pipeline [L40.1] between	62°47'41"N 6°54'45"E		62°49'12"N 6°48'22"E
		62°47'45"N 6°54'36"E	Submarine pipeline [L40.1] joining	62°49'17"N 6°49'09"E
	Submarine pipeline [L40.1] between	62°46'36"N 6°58'30"E		62°49'17"N 6°48'39"E
		62°46'31"N 6°58'21"E		62°49'25"N 6°48'16"E
	Submarine pipeline [L40.1] between	62°46'15"N 6°59'06"E		62°49'30"N 6°47'46"E
		62°46'10"N 6°58'52"E		62°49'29"N 6°47'23"E
	Submarine pipeline [L40.1] between	62°46'05"N 6°59'27"E	Submarine pipeline [L40.1] between	62°50'48"N 6°46'42"E
		62°45'55"N 6°59'13"E		62°50'55"N 6°46'48"E
	Submarine pipeline [L40.1] between	62°45'24"N 6°59'39"E	(Nor CH 33)	
		62°45'32"N 6°59'27"E		
	Submarine pipeline [L40.1] joining	62°48'26"N 6°48'02"E	<b>43369</b>	6Ed. 12/24/94 LAST NM 17/04 24/04
		62°48'22"N 6°48'00"E	Change	Visibility (range) of light to 12-9M 59°09'34"N 10°37'33"E
		62°48'13"N 6°47'41"E	(BA LL)	
	Submarine pipeline [L40.1] between	62°49'04"N 6°48'16"E	<b>43370</b>	7Ed. 6/29/96 LAST NM 23/04 24/04
		62°49'12"N 6°48'22"E	Delete	Anchorage symbol 59°33'51"N 10°14'34"E
	Submarine pipeline [L40.1] joining	62°49'17"N 6°49'09"E	Change	Visibility (range) of light to 12-9M 59°09'35"N 10°37'33"E
		62°49'17"N 6°48'39"E	Add	Submarine cable [L30.1] joining 59°25'32"N 10°29'40"E
		62°49'25"N 6°48'16"E		59°26'02"N 10°33'39"E
	Submarine pipeline [L40.1] joining	62°49'30"N 6°47'46"E		59°25'55"N 10°35'00"E
		62°49'29"N 6°47'23"E		59°25'07"N 10°35'01"E
	Submarine pipeline [L40.1] between	62°50'48"N 6°46'42"E		59°24'49"N 10°35'55"E
		62°50'55"N 6°46'48"E		59°24'45"N 10°37'38"E
	Submarine cable [L30.1] joining	62°43'58"N 7°09'11"E		59°24'34"N 10°39'05"E
		62°43'49"N 7°09'00"E	(BA LL; Nor CH 3)	
		62°43'42"N 7°08'37"E		
		62°43'35"N 7°08'39"E		
	(Nor CH 33)			
<b>43264</b>	2Ed. 8/3/85 LAST NM 46/03	24/04	<b>43371</b>	13Ed. 4/17/99 LAST NM 23/04 24/04
Delete	Submarine cable between	62°48'05"N 6°30'37"E	Delete	Anchorage symbol 59°33'51"N 10°14'39"E
		62°48'04"N 6°31'47"E	(Nor CH 3)	
	Anchorage symbol	62°50'09"N 6°57'25"E	<b>43373</b>	8Ed. 6/22/96 LAST NM 14/04 24/04
	Anchorage symbol (small vessels)	62°49'10"N 6°48'18"E	Change	Visibility (range) of light to 12-9M 59°09'38"N 10°37'33"E
Add	Submarine pipeline [L40.1] between	62°47'41"N 6°55'12"E	(BA LL)	
		62°47'53"N 6°55'22"E	<b>43379</b>	1Ed. 1/29/83 LAST NM 21/95 24/04
	Submarine pipeline [L40.1] between	62°47'31"N 6°55'24"E	Add	Submarine cable [L30.1] joining 59°25'04"N 10°35'32"E
		62°47'29"N 6°55'38"E		59°24'53"N 10°36'00"E
				59°24'51"N 10°37'50"E
				59°24'34"N 10°39'16"E
	(Nor CH 3)			

<b>43386</b>	2Ed. 5/30/98 LAST NM 47/03 Add Submarine cable [L30.1] joining	24/04	Buoy YBY, spar, double cone topmark points together 63°55'10"N 22°54'05"E Buoy BYB, spar, double cone topmark bases together 63°52'23"N 22°58'04"E
	(Nor CH 3)		Buoy G, spar, cone topmark 63°56'55"N 22°51'23"E Buoy R, spar, can topmark 63°56'54"N 22°51'23"E
<b>44044</b>	6Ed. 11/9/96 LAST NM 16/04 <b>(Plan)</b> Add Beacon Beacon Legend "Dredged to 11m" (49(1566)03 Norrkoping)	24/04	Ramark [S2] 63°55'12"N 22°54'22"E Ramark [S2] 63°56'24"N 22°52'02"E Ramark [S2] 63°53'11"N 22°57'17"E (8(158)03 Helsinki)
<b>44105</b>	2Ed. 1/29/94 LAST NM 20/04 Delete Anchoring prohibited symbol	24/04	
	Purple composite line between	56°09'18"N 14°52'24"E	
	Purple composite line between	56°08'43"N 14°51'55"E 56°09'04"N 14°53'24"E	
	Purple composite line between	56°09'07"N 14°53'24"E 56°09'40"N 14°52'37"E	
	Purple composite line between	56°09'13"N 14°51'49"E 56°09'28"N 14°51'46"E	
	Purple composite line between	56°08'59"N 14°51'20"E 56°09'25"N 14°52'37"E	
	Purple composite line between	56°09'12"N 14°53'07"E 56°09'16"N 14°53'14"E	
	(See 52/03-44105)		
Add	Anchoring prohibited area [N20] enclosed by purple composite line joining	56°09'27"N 14°52'32"E 56°09'27"N 14°51'48"E 56°09'43"N 14°51'48"E 56°09'48"N 14°52'15"E	
	(51-52(1610)03 Norrkoping)		"ANCHORAGE AREA F" bound by dashed line joining 59°34'00.0"N 24°33'30.0"E 59°34'00.0"N 24°36'31.2"E 59°32'34.8"N 24°36'31.2"E 59°32'34.8"N 24°35'54.6"E
			"ANCHORAGE AREA G" bound by dashed line joining 59°29'29.4"N 24°30'30.0"E 59°29'29.4"N 24°32'39.0"E 59°28'54.0"N 24°32'39.0"E 59°28'54.0"N 24°31'25.2"E
			(4(29, 30, 32-35)04 Tallinn)
<b>44165</b>	1Ed. 10/6/90 LAST NM 18/04 Add Legend "4.9 meters (2003)" between	24/04	
		58°43'06"N 17°08'12"E 58°43'00"N 17°08'20"E	
	Legend "4.9 meters (2003)" between	58°42'06"N 17°11'36"E 58°42'00"N 17°12'00"E	
	(3(1661)04 Norrkoping)		
<b>44184</b>	9Ed. 5/11/96 LAST NM 21/04 Add Buoy BY, spar (51-52(1612)03 Norrkoping)	24/04	
		59°25'49.4"N 18°40'12.2"E	
<b>44186</b>	2Ed. 6/15/96 LAST NM 23/04 Add Buoy BY, spar (51-52(1612)03 Norrkoping)	24/04	
		59°25'49"N 18°40'12"E	
<b>44192</b>	1Ed. 12/18/93 LAST NM 15/04 Add Submarine pipeline [L40.1] between	24/04	
		59°16'41"N 17°51'16"E 59°16'28"N 17°51'17"E	
	(2(1638)04 Norrkoping)		
<b>44243</b>	2Ed. 8/3/96 LAST NM 22/04 Add Buoy YBY, spar, double cone topmark points together 63°52'59"N 22°57'39"E Buoy BYB, spar, double cone topmark bases together 63°53'16"N 22°57'31"E Buoy BYB, spar, double cone topmark bases together 63°53'36"N 22°57'05"E Buoy BYB, spar, double cone topmark bases together 63°54'38"N 22°55'36"E Buoy BYB, spar, double cone topmark bases together 63°56'52"N 22°51'58"E Buoy YBY, spar, double cone topmark points together 63°56'34"N 22°52'01"E Buoy YBY, spar, double cone topmark points together 63°55'15"N 22°53'47"E Buoy YBY, spar, double cone topmark points together 63°53'13"N 22°57'27"E Buoy YBY, spar, double cone topmark points together 63°56'40"N 22°54'05"E	24/04	
			Light Q(2) WRG 6s 5m 7M 60°26.4'N 27°27.1'E Light Q WRG 7m 5M 60°26.7'N 27°32.7'E Light Fl(2) WRG 6s 9m 8M 60°27.3'N 27°42.6'E (5(106)01 Helsinki; Fin CH 13)
<b>44400</b>	4Ed. 9/7/96 LAST NM 19/04 Substitute Depth 9 meters Wk [K26] for 10.6 meters Wk	24/04	
		58°34.6'N 23°27.2'E	
Add	Light Fl WR 2s	58°34.6'N 23°30.5'E	
	Depth 4.8 meters enclosed by depth contour (6-meter)	58°28.7'N 23°28.5'E	

(continued on next page)

## SECTION I

NM 24/04

<b>44400</b>	(Continued)			
	Depth 4.1 meters enclosed by depth contour (6-meter)	57°56.0'N 22°08.8'E		24/04
	Depth 9.5 meters enclosed by depth contour (10-meter)	57°45.1'N 21°47.1'E		
	(436, 38, 41, 43, 44)04 Tallinn)			
<b>44420</b>	6Ed. 12/14/96 LAST NM 23/04	24/04		
Delete	Depth 18 meters	57°44.1'N 22°03.0'E		
Add	Depth 9.8 meters	57°43.8'N 21°43.9'E		
	Depth 19.3 meters, blue tint and enclosing depth contour (20-meter) centered	57°44.1'N 22°02.7'E		
	Submarine pipeline area [L41.2] bound by purple composite line and shore joining	57°25.1'N 21°34.5'E 57°25.9'N 21°32.7'E 57°25.6'N 21°32.3'E 57°24.7'N 21°34.1'E		
	Submarine pipeline area [L41.2] bound by purple composite line and shore joining	56°35.9'N 21°01.0'E 56°36.1'N 20°59.7'E 56°35.9'N 20°59.7'E 56°35.7'N 21°00.9'E		
	(12(57)01, 1(9)02 Riga; 4(44)04 Tallinn)			
<b>51223</b>	2Ed. 2/24/96 LAST NM 18/03	24/04		
Add	Racon [S3.1] to buoy "CA 1"	33°39'30"N 7°34'30"W		
(41(3989)00 Taunton)				
<b>51621</b>	9Ed. 6/15/96 LAST NM 20/04	24/04		
Add	Depth 6.8 meters	8°29'12"N 13°18'38"W		
	Depth 10.2 meters	8°33'24"N 13°15'53"W		
	<b>(Plan)</b>			
Delete	Depth 9.1 meters	8°29'40"N 13°12'43"W		
Substitute	Depth 3.7 meters for 7 meters	8°29'39"N 13°12'53"W		
	Depth 8.4 meters for 9.2 meters	8°29'37"N 13°12'33"W		
	Depth 10.1 meters for 11.8 meters	8°28'57"N 13°11'05"W		
	Depth 9.5 meters for 10.7 meters	8°28'55"N 13°11'04"W		
Add	Depth 6.8 meters	8°29'12"N 13°18'38"W		
	Depth 1.4 meters Obstn [K41]	8°29'39"N 13°12'51"W		
	Depth 7.9 meters	8°29'39"N 13°12'45"W		
	Depth 6.4 meters	8°29'39"N 13°12'39"W		
	Depth 7.5 meters	8°29'35"N 13°12'30"W		
(50(4873, 4874, 4876)00 Taunton)				
<b>54151</b>	1Ed. 6/20/92 LAST NM 42/03	24/04		
Substitute	Depth 13.4 meters for 16.7 meters	36°56.0'N 27°18.0'E		
(9(37)04 Istanbul)				
<b>54380</b>	6Ed. 5/11/91 LAST NM 17/04	24/04		
Add	Buoy (mooring) [Q40]	38°12.4'N 26°40.8'E		
(9(36)04 Istanbul)				
<b>54389</b>	8Ed. 5/18/96 LAST NM 52/02	24/04		
Add	Buoy (mooring) [Q40]	38°12'26"N 26°40'47"E		
(9(36)04 Istanbul)				
<b>54400</b>	8Ed. 6/2/90 LAST NM 19/04	24/04		
Substitute	Depth 13.4 meters for 16.7 meters	36°57.5'N 27°20.0'E		
(9(37)04 Istanbul)				
<b>54407</b>	4Ed. 1/27/96 LAST NM 14/04	24/04		
Substitute	Depth 13.4 meters for 16.9 meters	36°57.5'N 27°20.2'E		
(9(37)04 Istanbul)				
<b>54418</b>	4Ed. 10/5/96 LAST NM 49/03	24/04		
Substitute	Depth 13.4 meters for 17 meters	36°57'34.0"N 27°20'15.0"E		
(9(37)04 Istanbul)				
<b>55170</b>	2Ed. 10/5/96 LAST NM 15/04	24/04		
Delete	Buoy "ODAS"	41°25.4'N 41°23.0"E		
(9(33)04 Istanbul)				
<b>57060</b>	7Ed. 1/3/98 LAST NM 43/03	24/04		
Substitute	Depth 41 meters for 64 meters	4°30'07"N 1°48'30"W		
	Depth 11.3 meters for 12 meters	4°55'12"N 1°38'30"W		
Add	Depth 48 meters	4°31'38"N 1°44'58"W		
(3(247)00 Taunton)				
<b>57080</b>	8Ed. 6/28/97 LAST NM 16/99	24/04		
Substitute	Depth 41 meters for 64 meters	4°30'07"N 1°48'30"W		
	Depth 11.3 meters for 12 meters	4°55'12"N 1°38'30"W		
Add	Depth 48 meters	4°31'38"N 1°44'58"W		
	Depth 41 meters	4°37'02"N 1°32'24"W		
	Depth 41 meters	4°37'34"N 1°31'13"W		
	Depth 41 meters	4°39'06"N 1°27'38"W		
	Depth 31 meters	4°40'35"N 1°24'03"W		
(3(247)00 Taunton)				
<b>57103</b>	2Ed. 5/31/97 LAST NM 16/03	24/04		
Add	Dangerous wreck [K28]	6°20'18.0"N 2°30'12.0"E		
(41(3990)00 Taunton)				
<b>57140</b>	10Ed. 8/16/97 LAST NM 43/02	24/04		
Delete	Well (PA)	4°02.2'N 7°18.0'E		
	Well (PA)	4°00.1'N 7°16.5'E		
Add	Foul ground symbol [K31]	4°02.1'N 7°17.2'E		
	Foul ground symbol [K31]	4°00.0'N 7°15.8'E		
	Moored storage tanker [L17] "OKONO TERMINAL" Mo (U), HORN	3°59.4'N 7°17.5'E		
	"Restricted Area" [N2.1] bound by purple composite-line circle, radius 2 miles, centered	3°59.4'N 7°17.5'E		
	Legend "CAUTION NO 2"	3°58.0'N 7°17.0'E		
	Pilot station symbol [T1.1] and anchorage symbol (large vessels) [N10]	4°01.8'N 7°17.5'E		
(25(2529)02 Taunton)				
<b>62194</b>	8Ed. 1/19/02 LAST NM 4/03	24/04		
Add	Anchor berth "S1" [N11.2], radius 0.3 mile, centered	29°40'55.8"N 32°27'00.0"E		
	Anchor berth "S2" [N11.2], radius 0.3 mile, centered	29°40'18.0"N 32°27'00.0"E		
	Anchor berth "S3" [N11.2], radius 0.3 mile, centered	29°39'40.8"N 32°27'00.0"E		
	Anchor berth "S4" [N11.2], radius 0.25 mile, centered	29°41'00.6"N 32°26'06.0"E		
	Anchor berth "S5" [N11.2], radius 0.25 mile, centered	29°40'21.0"N 32°26'06.0"E		
	Anchor berth "S6" [N11.2], radius 0.25 mile, centered	29°39'45.0"N 32°26'06.0"E		
	Anchor berth "S7" [N11.2], radius 0.15 mile, centered	29°40'40.2"N 32°26'30.0"E		
	Anchor berth "S8" [N11.2], radius 0.15 mile, centered	29°40'03.0"N 32°26'30.0"E		
(19(2142)04 Taunton)				
<b>71259</b>	3Ed. 1/18/03 LAST NM 15/04	24/04		
Change	Graticule "08" to "07"	1°07'00"N 103°50'53"E		
(NTM0010/2004)				
<b>74229</b>	2Ed. 9/19/98 LAST NM 21/04	24/04		
Add	Light 2 FBu (F day)	21°06'23"S 149°13'33"E		
	Range line extending in 081°36' direction from above light dashed for 525 meters, thence solid for 1475 meters			
	Legend "261°36'" along above range line (See 5/02-74229)	21°06'11"S 149°14'21"E		
(1(45)04 Wollongong)				
<b>74231</b>	7Ed. 5/30/98 LAST NM 10/04	24/04		
(Plan A)	Relocate Light from 21°06'24.0"S 149°13'28.9"E to 21°06'23.2"S 149°13'32.9"E			
(continued on next page)				

<b>74231</b>	(Continued)			
	Light from 21°06'25.0"S 149°13'23.9"E to 21°06'24.1"S 149°13'26.1"E (See 5/02-74231)			
Change	Legend to "Lts in line 261°36" 21°06'16.0"S 149°14'20.0"E			
Relocate	<b>(Plan B)</b> Light from 21°06'23.8"S 149°13'27.0"E to 21°06'23.2"S 149°13'32.9"E Light from 21°06'24.6"S 149°13'22.0"E to 21°06'24.1"S 149°13'26.1"E			
Change	Legend to "Lts in line 261°36" 21°06'19.2"S 149°13'58.0"E (1/45)04 Wollongong)			
<b>81067</b>	6Ed. 8/03 LAST NM 12/04	24/04		
Delete	Danger circle "Obstn" Danger circle "Subm buoy"	14°58'10"N 145°35'53"E 14°58'13"N 145°36'04"E		
Add	Danger circle "Foul" [K31] (NOS)	14°58'52"N 145°35'38"E 14°58'12"N 145°35'53"E		
<b>*81071</b>	6Ed. 4/27/91 LAST NM 6/97	24/04		
Delete	Danger circle "Obstn"	14°58'16"N 145°35'55"E		
Add	Danger circle "Foul" [K31] (NOS)	14°58'57"N 145°35'40"E 14°58'17"N 145°35'55"E		
<b>*83484</b>	10Ed. 10/13/01 LAST NM 42/03 <b>(Inset Pago Pago Harbor)</b>	24/04		
Relocate	Buoy "4" from 14°16'35.0"S to 14°16'34.7"S	170°40'49.0"W 170°40'46.3"W		
	(18/04 CG14)			
<b>94004</b>	6Ed. 9/2/95 LAST NM 15/04	24/04		
Add	Wreck [K29] (24/04 Tso-ying)	22°16.0'N 120°16.0"E		
<b>94080</b>	7Ed. 9/23/95 LAST NM 17/04	24/04		
Add	Wreck [K29] (24/04 Tso-ying)	22°16.0'N 120°16.0"E		
<b>94083</b>	12Ed. 1/15/00 LAST NM 15/04	24/04		
Add	Buoy (current meter) Y, spherical, Fl R 4s [Q59] (22/04 Tso-ying)	22°31'01"N 120°17'21"E		
<b>94123</b>	9Ed. 5/11/96 LAST NM 23/04	24/04		
Add	Foul ground symbol (23/04 Tso-ying)	25°12'12"N 121°43'12"E		
<b>94124</b>	13Ed. 3/30/96 LAST NM 23/04	24/04		
Add	Foul ground symbol (23/04 Tso-ying)	25°12'12.0"N 121°43'12.0"E		
<b>95016</b>	8Ed. 12/16/95 LAST NM 21/04	24/04		
Add	Submarine cable [L30.1] joining	37°51.5"N 138°54.3"E 37°52.7"N 138°53.1"E 37°50.8"N 138°48.5"E 37°46.0"N 138°41.6"E 37°33.2"N 138°33.3"E 37°30.8"N 138°29.8"E 37°29.7"N 138°23.5"E 37°27.9"N 138°21.1"E 37°25.9"N 138°15.3"E 37°29.0"N 138°11.4"E  Submarine cable [L30.1] joining		
	(27(1157)99 Tokyo)	37°50.8"N 138°48.5"E 37°47.1"N 138°40.4"E 37°36.8"N 138°35.0"E 37°31.4"N 138°30.0"E 37°29.9"N 138°22.2"E 37°28.2"N 138°19.3"E 37°28.1"N 138°15.4"E 37°33.8"N 138°11.0"E		
<b>95140</b>	15Ed. 10/7/95 LAST NM 21/04	24/04		
Add	Fish haven symbol [K46.1] (47(1745)03 Tokyo)	34°15'42"N 129°10'45"E		
<b>95160</b>	13Ed. 8/19/95 LAST NM 20/04	24/04		
Add	Fish haven symbol [K46.1] (47(1745)03 Tokyo)	34°15.7'N 129°10.8'E		
<b>97040</b>	5Ed. 6/14/97 LAST NM 23/04	24/04		
Add	Fish haven symbol [K46.1] (6(154)04 Tokyo)	40°19'47"N 141°50'12"E		
<b>97080</b>	6Ed. 2/14/04 LAST NM 21/04	24/04		
Change	Visibility (range) of light to 7/5M Visibility (range) of light to 9/4M (47(1733)03 Tokyo; Jpn LL)	37°06'29"N 141°00'05"E 37°06'08"N 140°59'55"E		
<b>97100</b>	4Ed. 8/8/98 LAST NM 17/04	24/04		
Change	Visibility (range) of light to 7M Visibility (range) of light to 5M Light to Fl R 9M, Fl G 4M (47(1733)03 Tokyo; Jpn LL)	37°06'29"N 141°00'05"E 37°06'27.3"N 141°00'13"E 37°06'08.2"N 140°59'55"E		
<b>97105</b>	3Ed. 4/9/94 LAST NM 17/04	24/04		
Change	Visibility (range) of light to 7M Visibility (range) of light to 5M Visibility (range) of light to 9M Visibility (range) of light to 4M Visibility (range) of light to 5M (47(1733)03 Tokyo; Jpn LL)	37°06'28.8"N 141°00'05.0"E 37°06'27.3"N 141°00'13.4"E 37°06'08.2"N 140°59'55.3"E 37°06'10.7"N 140°59'46.4"E 37°06'18.9"N 140°59'47.4"E		
<b>97221</b>	20Ed. 1/17/98 LAST NM 18/04	24/04		
Delete	Position circle "Chys 152"	34°19'07"N 135°07'57"E		
Change	Light to Iso G 4s 8M (27(1160)99, 47(1732)03 Tokyo; Jpn LL)	34°22'21"N 134°44'50"E		
<b>97222</b>	12Ed. 12/27/97 LAST NM 17/04	24/04		
Delete	Building symbol and position circle "CHIMNEY (152)" in vicinity	34°19'07"N 135°07'57"E		
Add	Fish haven symbol [K46.1] (47(1732, 1742)03 Tokyo)	34°19'51"N 135°07'06"E		
<b>97234</b>	17Ed. 12/26/98 LAST NM 22/04	24/04		
Change	Characteristic of buoy to Mo(A) G 8s (6(159)04 Tokyo)	34°29'48.0"N 134°10'02.0"E		
<b>97261</b>	15Ed. 1/31/98 LAST NM 23/04	24/04		
Add	Fish haven symbol [K46.1] (6(160)04 Tokyo)	34°12'19"N 132°37'38"E		
<b>97268</b>	10Ed. 1/31/98 LAST NM 6/03	24/04		
Add	Fish haven symbol [K46.1] (6(160)04 Tokyo)	34°10'55.0"N 132°33'35.0"E		
<b>97271</b>	12Ed. 11/29/97 LAST NM 17/04	24/04		
Add	Fish haven symbol [K46.1] Fish haven symbol [K46.1] Fish haven symbol [K46.1] (6(162), 13(352)04 Tokyo)	33°47'37"N 132°10'35"E 33°51'06"N 132°01'09"E 33°55'05"N 131°59'36"E		
<b>97277</b>	12Ed. 1/24/04 LAST NM 21/04	24/04		
Add	Fish haven symbol [K46.1] (6(161)04 Tokyo)	33°30'19"N 132°19'57"E		
<b>97340</b>	8Ed. 4/5/97 LAST NM 14/04	24/04		
Add	Fish haven symbol [K46.1] (15(419)04 Tokyo)	31°37.7'N 130°43.0'E		

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NM 24/04

<b>97342</b>	14Ed. 8/30/97 LAST NM 43/03 Add Fish haven symbol [K46.1] (15(419)04 Tokyo)	24/04 31°37'42"N 130°43'00"E
<b>97420</b>	17Ed. 9/20/97 LAST NM 23/04 Add Fish haven symbol [K46.1] (47(1745)03 Tokyo)	24/04 34°15.7'N 129°10.8'E
<b>805118</b>	3Ed. 1/23/99 LAST NM N12/04 Delete Danger circle "Obstn"  Add Danger circle "Foul" [K31] Danger circle "Subm buoy" (NOS)	N24/04 14°58'13"N 145°36'00"E  14°58'52"N 145°35'38"E 14°58'12"N 145°35'53"E

## SECTION I

NM 24/04

Chart 11344

NM 24/04

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2004						
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	38.0	41.0	40.0	27.0	3-04	800 19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	32.0	46.0	47.0	47.0	12-03;3-04	400 1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	27.0	40.0	41.0	35.0	3-04	400 6.0 40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 11347 (Side A)

NM 24/04

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2004						
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	38.0	41.0	40.0	27.0	3-04	800 19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	32.0	46.0	47.0	47.0	12-03;3-04	400 1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	27.0	40.0	41.0	35.0	3-04	400 6.0 40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	28.0	35.0	38.0	31.0	3-04	400 6.0 40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	32.0	38.0	38.0	30.0	8,12-03	400 6.0 40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	32.0	37.0	38.0	32.0	12-03;1-04	400 5.0 40
THENCE TO 210 BRIDGE	33.0	35.0	35.0	32.0	1-04	400 4.4 40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	33.0	39.0	35.0	34.0	1-04	400 2.0 40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

## SECTION I

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Chart 11347 (Side B, Inset 1)

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CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2004								
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	38.0	41.0	40.0	27.0	3-04	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	32.0	46.0	47.0	47.0	12-03;3-04	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	27.0	40.0	41.0	35.0	3-04	400	6.0	40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	28.0	35.0	38.0	31.0	3-04	400	6.0	40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	32.0	38.0	38.0	30.0	8,12-03	400	6.0	40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	32.0	37.0	38.0	32.0	12-03;1-04	400	5.0	40
THENCE TO 210 BRIDGE	33.0	35.0	35.0	32.0	1-04	400	4.4	40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	33.0	39.0	35.0	34.0	1-04	400	2.0	40

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

Chart 11378 (Side A)

NM 24/04

PENSACOLA HARBOR AND BAYOU CHICO CHANNELS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORTS OF OCT 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
PENSACOLA HARBOR							
BAY CHANNEL	33.0	33.0	32.8	09-03	300	2.87	33
WEST CHANNEL	27.8	28.4	27.7	10-03	300	1.13	33
EAST CHANNEL	29.4	31.7	29.1	10-03	300	0.8	33
INNER HARBOR CHANNEL	29.3	28.7	25.5	10-03	500	0.65	33
BAYOU CHICO CHANNELS							
ENTRANCE CHANNEL	13.1	14.9	11.7	11-02	100	0.7	15
INNER CHANNEL	3.7	9.0	3.9	11-02	75	0.96	14
TURNING BASIN	7.3	9.2	7.1	11-02	500	-	14

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

Chart 11378 (Side A)

NM 24/04

PENSACOLA HARBOR ENTRANCE CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2004								
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 CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CAUCUS CHANNEL	39.8	41.1	41.1	40.3	02-04	A500	3.0	A35
BARRANCAS RANGE	47.3	48.3	48.3	47.8	02-04	A500	0.77	A35
PICKENS CHANNEL	43.3	43.3	43.3	43.8	02-04	A500	0.84	A35

A. PROJECT DIMENSIONS OF 44 FEET FOR A WIDTH OF 800 FEET PROVIDED BY THE U.S. NAVY. AUTHORIZED USACE  
PROJECT IS 35 FEET FOR A WIDTH OF 500 FEET.

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

## SECTION I

Chart 11382

NM 24/04

PENSACOLA HARBOR ENTRANCE CHANNEL						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2004						
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 CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET)
CAUCUS CHANNEL	39.8	41.1	41.1	40.3	02-04	A500 3.0 A35

A. PROJECT DIMENSIONS OF 44 FEET FOR A WIDTH OF 800 FEET PROVIDED BY THE U.S. NAVY. AUTHORIZED USACE  
PROJECT IS 35 FEET FOR A WIDTH OF 500 FEET.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11383

NM 24/04

PENSACOLA HARBOR AND BAYOU CHICO CHANNELS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH (FEET)
PENSACOLA HARBOR						
BAY CHANNEL	33.0	33.0	32.8	09-03	300	2.87 33
WEST CHANNEL	27.8	28.4	27.7	10-03	300	1.13 33
EAST CHANNEL	29.4	31.7	29.1	10-03	300	0.8 33
INNER HARBOR CHANNEL	29.3	28.7	25.5	10-03	500	0.65 33
BAYOU CHICO CHANNELS						
ENTRANCE CHANNEL	13.1	14.9	11.7	11-02	100	0.7 15
INNER CHANNEL	3.7	9.0	3.9	11-02	75	0.96 14
TURNING BASIN	7.3	9.2	7.1	11-02	500	- 14

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

Chart 11383

NM 24/04

PENSACOLA HARBOR ENTRANCE CHANNEL						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2004						
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 CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET)
CAUCUS CHANNEL	39.8	41.1	41.1	40.3	02-04	A500 3.0 A35
BARRANCAS RANGE	47.3	48.3	48.3	47.8	02-04	A500 0.77 A35
PICKENS CHANNEL	43.3	43.3	43.3	43.8	02-04	A500 0.84 A35

A. PROJECT DIMENSIONS OF 44 FEET FOR A WIDTH OF 800 FEET PROVIDED BY THE U.S. NAVY. AUTHORIZED USACE  
PROJECT IS 35 FEET FOR A WIDTH OF 500 FEET.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11384

NM 24/04

PENSACOLA HARBOR ENTRANCE CHANNEL						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2004						
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 CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET)
CAUCUS CHANNEL	39.8	41.1	41.1	40.3	02-04	A500 3.0 A35
BARRANCAS RANGE	47.3	48.3	48.3	47.8	02-04	A500 0.77 A35
PICKENS CHANNEL	43.3	43.3	43.3	43.8	02-04	A500 0.84 A35

A. PROJECT DIMENSIONS OF 44 FEET FOR A WIDTH OF 800 FEET PROVIDED BY THE U.S. NAVY. AUTHORIZED USACE  
PROJECT IS 35 FEET FOR A WIDTH OF 500 FEET.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

**SECTION I**

NM 24/04

Chart 11389

NM 24/04

PORT ST. JOE AND PANAMA CITY HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2004						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
PORT ST. JOE HARBOR ENTRANCE CHANNEL	30.3	30.4	24.5	6-03	300-500	8.0    35-37
NORTH CHANNEL	26.7	27.0	27.1	6-03	300	4.1    35
TURNING BASIN	26.2	26.7	26.4	6-03	650	0.3    32
HARBOR CHANNEL	26.2	26.7	26.8	6-03	250	0.3    35
SOUTH CHANNEL	A				200	1.1    27
PANAMA CITY HARBOR ENTRANCE CHANNEL	35.0	35.6	35.0	1-04; 2-04	450-300	2.1    34-32

A. NOT MAINTAINED  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11390 (Side A)

NM 24/04

PANAMA CITY HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2004						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
PANAMA CITY HARBOR ENTRANCE CHANNEL	35.0	35.6	35.0	1-04; 2-04	450-300	2.1    34-32

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

Chart 11391

NM 24/04

PANAMA CITY HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2004						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
PANAMA CITY HARBOR ENTRANCE CHANNEL	35.0	35.6	35.0	1-04; 2-04	450-300	2.1    34-32

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

## SECTION I

Chart 14832

NM 24/04

BUFFALO HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MARCH 2004 AND SURVEYS TO NOV 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
BUFFALO HARBOR:						
SOUTH ENTRANCE INNER CHANNEL	26.3	26.0	24.7	21.5	12-01	400-1200 .37 29
OUTER HARBOR SOUTHERN CHANNEL	A19.6	23.9	24.1	24.6	12-01, 9-03	1130-1425 .76 28
OUTER HARBOR TURNING BASIN	18.0	19.8	20.7	20.6	12-01	900 .80 23
OUTER HARBOR MIDDLE CHANNEL	19.7	24.0	24.1	22.7	12-01, 9-03	500-1600 2.12 27
OUTER HARBOR NORTHERN CHANNEL	18.2	19.7	21.1	20.9	12-01, 9-03	1175-1350 .91 23
BUFFALO RIVER ENTRANCE CHANNEL	B16.2	19.5	19.9	C18.0	6-03, 11-03	220-1625 .98 23
BLACK ROCK CANAL:						
ENTRANCE CHANNEL	17.9	20.1	17.4	D17.2	12-01	450-1000 .80 21
BLACK ROCK CANAL TO LOCK	E15.3	19.6	20.0	12.1	12-01	200-350 3.05 21
THENCE TO BUOY 12	15.8	18.9	18.1	14.7	12-01	200-400 1.70 21
A. SHOALING TO 13.9 FEET AT 42°49'56.6"N-78°51'54.9"W. B. SHOALING TO 11.4 FEET IN OUTSIDE 50 FEET OF QUARTER WITHIN 200 FEET OF END OF REACH C. SHOALING TO 13.9 FEET OUTSIDE 50 FEET OF QUARTER. D. SHOALING TO 6.6 FEET IN OUTSIDE 50 FEET OF QUARTER AND 12.7 FEET WITHIN 200 FEET OF END OF REACH. E. SHOALING TO 12.7 FEET AT 42°55'50.9"N-78°54'07.6"W. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 14833

NM 24/04

BUFFALO HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MARCH 2004 AND SURVEYS TO NOV 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
BUFFALO HARBOR:						
SOUTH ENTRANCE INNER CHANNEL	26.3	26.0	24.7	21.5	12-01	400-1200 .37 29
OUTER HARBOR SOUTHERN CHANNEL	A19.6	23.9	24.1	24.6	12-01, 9-03	1130-1425 .76 28
OUTER HARBOR TURNING BASIN	18.0	19.8	20.7	20.6	12-01	900 .80 23
OUTER HARBOR MIDDLE CHANNEL	19.7	24.0	24.1	22.7	12-01, 9-03	500-1600 2.12 27
OUTER HARBOR NORTHERN CHANNEL	18.2	19.7	21.1	20.9	12-01, 9-03	1175-1350 .91 23
BUFFALO RIVER:						
ENTRANCE CHANNEL	B16.2	19.5	19.9	C18.0	6-03, 11-03	220-1625 .98 23
BUFFALO RIVER	D9.8	E15.8	F14.1	G10.0	6-03, 11-03	100-700 5.27 23
BUFFALO SHIP CANAL	18.1	20.4	20.0	H18.2	6-03, 11-03	125 1.02 23
BLACK ROCK CANAL:						
ENTRANCE CHANNEL	17.9	20.1	17.4	I17.2	12-01	450-1000 .80 21
BLACK ROCK CANAL TO LOCK	J15.3	19.6	20.0	12.1	12-01	200-350 3.05 21
A. SHOALING TO 13.9 FEET AT 42°49'56.6"N-78°51'54.9"W. B. SHOALING TO 11.4 FEET IN OUTSIDE 50 FEET OF QUARTER WITHIN 200 FEET OF END OF REACH C. SHOALING TO 13.9 FEET OUTSIDE 50 FEET OF QUARTER. D. SHOALING TO 6.1 FEET LAST 200 FEET OF REACH AND 9.2 FEET WITHIN 200 FEET OF POINT AT 42°51'45.3"N-78°52'05.8"W. E. SHOALING TO 9.7 FEET LAST 300 FEET OF REACH F. SHOALING TO 13.1 FEET WITHIN 300 FEET OF POINT AT 42°51'25.9"N-78°51'09.1"W AND 10.5 FEET WITHIN 100 FEET OF BRIDGE ABUTMENTS. SHOALING TO 10.6 FEET LAST 200 FEET OF REACH SHOALING TO 11.6 FEET WITHIN 200 FEET OF POINT AT 42°51'24.2"N-78°50'39.9"W G. SHOALING TO 6.1 FEET WITHIN 300 FEET OF POINT AT 42°51'38.0"N-78°50'42.7"W SHOALING TO 9.1 FEET POINT AT 42°51'48.75"N-78°50'26.95"W. H. SHOALING TO 10.6 FEET WITHIN 125 FEET OF END OF REACH. I. SHOALING TO 6.6 FEET IN OUTSIDE 50 FEET OF QUARTER AND 12.7 FEET WITHIN 200 FEET OF END OF REACH. J. SHOALING TO 12.7 FEET AT 42°55'50.9"N-78°54'07.6"W. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

## SECTION I

NM 24/04

Chart 14975

NM 24/04

SUPERIOR HARBOR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
SUPERIOR ENTRY	A	A	A	A		
1	25.7	31.7	31.7	26.2	8-2003	600-1100 .18 31
2	27.6	30.8	31.7	28.4	8-2003	415-1100 .15 30
3	30.0	30.7	30.2	26.7	7-2003	415 .08 29
4	28.7	30.4	28.1	25.5	7-2003	415-430 .08 28
5	24.9	28.6	30.4	25.1	7-2003	430-840 .08 27
SUPERIOR HARBOR BASIN	26.6	24.4	23.1	20.9	7-2003	600-2000 1.21 27
ALLOUEZ BAY CHANNEL	21.8	23.8	23.3	23.0	7-2003	400-900 .44 27
SUPERIOR FRONT CHANNEL	25.2	27.5	26.6	25.5	6,7-2003	600 2.32 27
EAST GATE BASIN (SOUTH)	26.0	26.9	26.2	26.4	5,6-2003	600-3200 .57 27

A. CHANNEL DIVIDED INTO QUARTERS WHEN ENTERING FROM LAKE.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14975

NM 24/04

DULUTH HARBOR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
DULUTH ENTRY	A	A	A	A		
1	26.5	31.6	31.4	29.8	5-2003	245-1000 .13 32
2	28.1	33.6	33.4	29.6	5-2003	245 .06 31
3	30.3	32.6	32.6	31.1	5-2003	245 .07 30
4	31.6	31.6	31.6	30.3	5-2003	245 .07 29
5	31.0	32.4	32.7	24.5	5-2003	245-480 .07 28
DULUTH HARBOR BASIN						
NORTHERN SECTION	25.5	27.5	28.6	22.4	5-2003	1100-2700 .64 28
SOUTHERN SECTION	25.1	24.9	26.2	23.5	5-2003	1200-2700 .91 27
EAST GATE BASIN (NORTH)	25.9	26.7	27.7	22.8	5-2003	1500-3300 .33 27
WEST GATE BASIN	24.8	28.0	26.8	24.5	7-2003	400-850 .66 27
HOWARDS BAY	21.6	23.1	24.0	19.4	8-2003	100-750 .99 27
NORTH CHANNEL						
EASTERN SECTION	19.9	19.5	19.3	B14.6	7,8-2003	400 1.66 27
WESTERN SECTION	16.4	20.4	20.2	20.3	5-2003	400 .59 21
21ST AVE WEST CHANNEL	C6.3	C21.1	C21.1	C16.6	6-71;10-91	200 .33 20
SOUTH CHANNEL						
EASTERN SECTION	21.5	23.3	24.6	25.7	8-2003	400-800 .74 27
WESTERN SECTION	23.0	22.9	23.3	22.8	8-2003	400 .83 23
CROSS CHANNEL	20.2	27.5	29.1	19.4	8-2003	1300 .33 27
UPPER CHANNEL	20.4	23.8	20.6	19.4	9-2003	500 1.00 23
MINNESOTA CHANNEL						
EASTERN SECTION	D19.6	22.3	21.4	E18.6	9,10-2003	600 .95 23
WESTERN SECTION	7.6	15.3	10.4	F 7.8	10-2000;10-2003	200 2.39 20

A. CHANNEL DIVIDED INTO QUARTERS WHEN ENTERING FROM LAKE.  
B. SHOALING TO UNKNOWN DEPTH BEHIND THE 12 FT CURVE FROM 46°45'02.5"N - 92°06'08.8"W TO 46°45'07.2"N - 92°06'18.6"W  
C. RECENT SURVEYS NOT AVAILABLE FOR 21ST AVE WEST CHANNEL.  
D. SHOALING TO 4.9 FT WITHIN 150 FT FROM 46°43'13.01"N - 92°08'34.57"W.  
E. SHOALING TO 9.4 FT IN THE OUTSIDE HALF OF THE QUARTER FOR THE NORTHERN 900 FT OF THE REACH.  
F. SHOALING TO 2.2 FT IN THE OUTSIDE HALF OF THE QUARTER.

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

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/03 THROUGH NM 24/04**

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.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
20	3	18/03	11300	39	28*,30,31,32,34,35,36, 44,45,50,51/03;5,6,7,10, 15,18,20,23/04	11362	4	N19,N23,N24,N25,N26, N27,N29,N30,N34,N35, N37,N38,N49,N50,N51, N52/03;N1,N2,N3,N5, N7,N11,N13,N14,N15, N20,N22/04	11470	36	40/03;16/04
21	4	4/04	11301	23	18/03;4/04	11363	39	47*,50,51/03;1,4,5,6,12, 13,14,17,20,23/04	11472	31	25,40/03;14/04
22	1	18/03;4/04	11302	30	48/03*;1,7,17/04	11364	39	18,19,21,23,25,26,27,30, 33,34,35,43,50,51/03;1,4, 6,13,14,21/04	11474	10	17,52/03
50	6	32*,34,40,50/03	11304	12	5/04	11365	17	32,34,50/03;3,6,7,14,15, 20,23/04	11476	20	22/04*
53	2	34,50/03	11305	1	N32/03;N1,N13,N23/04	11366	8	52/03*;1,3,5,7,11,12,13, 14,15,19,23/04	11477	6	N15/04
70	4	34/03	11307	36	22,24,27,35,52/03;1/04	11367	32	38*,45,46,51/03;14/04	11478	20	32*,50,52/03;13/04
71	4	34/03	11308	22	23,25,32/03;13,23/04	11368	22	19,21,23,30,33,34,35,45, 46,51,52/03;14/04	11479	4	N23,N25,N31,N34,N40, N52/03;N19/04
103	5	16/03;9/04	11309	37	48*,50/03;1,13,23/04	11369	44	18,19,21,27,43,50/03;1,6, 13/04	11480	38	30/03*;14,21/04
108	9	34,39/03;19,21/04	11310	1	N12,N23,N32/03;N1, N12/04	11370	24	38/03*;4,13,18/04	11481	5	22/04*
120	6	39/03	11311	23	26/03;1,12/04	11371	36	35*,48/03;4,6,12/04	11482	22	11/04*
124	10	18,34,39/03	11312	3	22,23,32/03;1,13/04	11372	31	23/04*	11485	33	22/03*
125	7	21/03	11313	22	22,27,36,52/03;4,14, 20/04	11373	43	48*,49/03;1,3,4,5,7,14, 17,20,22,24/04	11486	15	36/03*
126	39	21/03	11314	23	15/04*	11374	32	2*,7,14,17,20,22,24/04	11488	24	17,50/03;16/04
145	16	39/03	11315	31	48/03*	11375	35	20,23,24,27,29,47,51/03; 1,7,14,17,20,22,24/04	11489	35	19/04*
200	3	37/03	11316	39	17*,22,26,29,34/03;1, 15/04	11376	49	48*,49/03;5,7,11,16,17, 19,20,23/04	11490	17	50/03;14/04
204	4	4/04	11317	30	12*,19/04	11377	5	38*,44/03;7,14,17,20, 23/04	11491	33	30,34,50,52/03;14/04
211	5	4/04	11318	1	N24,N25,N44,N50/03; N1,N13,N23/04	11378	33	16*,20,23,24/04	11493	9	N20,N22,N31/03;N14/04
301	1	21,24/03	11319	31	17*,19,20,25,26,29,30, 34/03	11379	40	18*,24/04	11494	8	N22/03;N14/04
310	20	21,24,52/03;6/04	11320	1	N22,N23,N24,N52/03	11380	50	52/03*;13,24/04	11496	9	N17,N19,N34/03;N5, N14,N21/04
400	3	29,33,34/03;6,19/04	11321	29	23,31,34/03;7,10,13,14, 18,20/04	11382	40	18*,24/04	11498	16	14/04
401	5	29,33,34,44/03;6,19, 21/04	11322	28	19*,20,23,30,34,35,42, 47/03;1,7,14,17/04	11383	50	52/03*;5,7,11,16,17, 19,20,23/04	11502	29	18/04*
411	49	19*,22,23,24,25,26,29, 30,31,33,44,52/03;1,5,6, 16,19,21/04	11323	60	47*,49,51/03;1,3,5,6,9, 15,17,19,20/04	11384	34	2*,3,7,14,16,17,23,24/04	11503	40	2*,14/04
500	8	32*,34,41/03	11324	33	47*,49,52/03;1,14,17,19, 20/04	11385	26	23/04*	11504	15	22/03
501	12	18,21,22,24,40,41/03;4,6, 11,19/04	11325	35	26*,38,42,47/03;1,14, 17/04	11386	49	48*,49/03;5,7,11,16,17, 19,20,23/04	11505	1	22,34,43,51/03;14,16, 21/04
502	2	40,44/03;11/04	11326	32	15*,16,17,19,20,23/04	11387	33	16*,20,23,24/04	11506	40	19,22,28,34,43,51,52/03;
503	4	1/04	11327	31	46*,52/03;1,14,16,17, 19/04	11388	17	18*,20/04	11513	23	14,16,21/04
504	4	23/04	11328	23	43*,52/03;1,2,4,6,7,14, 17,23/04	11389	32	32,42,51/03;2,7,13,14,16, 17,23,24/04	11514	26	15,22,24,34,43,51/03;14,
510	3	40/03;17/04	11329	35	48*,49,52/03;2,6,7,14,17, 23/04	11390	23	19*,20,23,24/04	11515	31	20/03;16/04
511	4	17/04	11330	15	50*,51/03;1,2,4,5,6,7,10, 13,14,15,17,20,23/04	11391	23	2*,3,7,14,16,17,23,24/04	11516	27	24/03;14/04
512	2	11,20/04	11331	19	12*,14/04	11392	6	21,32,50/03;3,14/04	11517	17	24/03
513	6	34,50/03;18/04	11332	29	24/04*	11400	34	15,16/04	11518	33	19,28,50/03;14,15/04
514	7	16/04*	11333	1	N35/03	11401	29	27/03	11519	12	28/03*
520	127	34,40,41/03;4,11/04	11340	68	37*,38,45,46,49,50,51, 52/03;1,2,3,4,5,6,7,10,13, 14,15,16,17,19,20,23/04	11402	21	30*,34/03	11520	41	38*,39,50/03;1,2,5,7,8, 14/04
521	11	34,50/03;11,20/04	11341	40	18*,04*	11403	29	38/03*	11521	26	19,24,28,34,39/03;14/04
523	8	34,50/03;11,20/04	11342	52	27*,29,31,34,35,42,46, 47/03;1,6,13,14,17/04	11404	28	21/04	11522	19	39/03;14/04
524	12	34/03	11343	37	48*,49,50/03;4,17/04	11405	29	38/03*	11523	21	19,24,28,34/03;14/04
525	3	40/03	11344	35	18*,23,26,27,29,31,34, 38,43,46,47/03;4,5,9,14, 16,17,24/04	11406	42	18*,04*	11524	47	18*,21/04
530	30	18,21,22,24,34,40,41,44, 50/03;4,7,11,19,21,23/04	11345	31	38/03/4/04	11407	32	32,42,51/03;2,7,13,14,16, 17,23,24/04	11525	6	N24,N39,N50/03;N1,N2, N5,N7,N8/04
531	22	21/04*	11346	33	19,20,21,23,25,26,27,29, 31,32,43,47,48,50,51/03; 4,9,24/04	11408	28	21/04	11526	10	20/03*
532	17	34,50/03;11,15,20/04	11347	33	12*,13,14,15,17,20,23/04	11409	28	32/03*;15/04	11527	16	20/03;14,15,16,21/04
540	17	16*,23/04	11348	20	43*,47,51/03;4,24/04	11410	14	20/03;13,14,15,16/04	11531	21	39/03
600	5	45/03	11349	41	22*,23/04	11411	24	17/03*	11532	20	39,43,50/03
601	4	27,38/03	11350	25	43/03*	11412	6	12,13,14,15,16/04	11534	33	19/04*
602	6	38/03	11351	38	20*,22,23,25,27,30,31, 34,48,50,51,52/03;1,3,5, 10,12,13,14,15/04	11413	33	15,16/04	11535	12	39/03;14/04
604	5	38/03;22/04	11352	37	13*,14,15,20/04	11414	30	15,39/03	11536	17	18/04*
606	1	17/03	11353	9	9*,13,14,19/04	11415	6	12,13,14,15,16/04	11537	35	18*,19/04
607	1	17,45/03	11354	24	26*,31,34,48,51/03;1,10, 12,14,15/04	11416	6	15*,16/04	11541	34	51/03*;9,11,12,19/04
623	9	19,36/03	11355	26	23/04*	11417	27	20*,21,22,25,52/03; 16/04	11543	22	38/03;1,19/04
624	3	7/04	11356	35	19,22,23,26,27,29,31, 34,43,46,47/03;4,5,9,14, 16,17,24/04	11418	33	15,16/04	11544	38	18*,19/04
703	4	44/03	11357	20	43*,47,51/03;4,24/04	11419	35	10*,14,15/04	11545	61	16*,19/04
706	4	44/03	11358	41	41*,49,50,51/03;2,3,5,6,	11420	27	38*,52/03;14,15/04	11547	36	16*,19/04
707	2	34,44/03	11359	11	49,50/03;19/04	11421	33	15,04*	11548	39	12/04*
708	3	34,36/03	11360	40	19,23,24,25,26,27,29,30, 34,35,37,38,49,50,51, 15,18,20,23/04	11422	33	15,16/04	11549	28	17/03*;7/04
709	2	19,25/03	11361	71	11*,12,13,17,19,23,24/04	11423	7	N15,N21,N22,N25, N52/03;N16/04	11550	39	18/04*
800	4	15,20/04	11362	11	49,50/03;19/04	11424	18	25/03	11555	39	18/04*
803	1	15/04	11363	52	41*,49,50,51/03;2,3,5,6,	11425	35	10*,14,15/04	11556	47	18*,21/04
1113A	20*	21,22,25,52/03;	11364	20	43*,47,51/03;4,24/04	11426	33	15,04*	11557	35	18*,19/04
1114A	16/04		11365	25	43/03*	11427	33	15,16/04	11558	39	18/04*
1115A	16/04		11366	38	20*,22,23,25,27,30,31, 34,48,50,51,52/03;1,3,5, 10,12,13,14,15/04	11428	33	15,04*	12204	35	33/03;5/04
1116A	37*	38,45,46,49,50,51, 52/03;1,2,3,4,5,6,7,10,13, 14,15,16,17,19,20,23/04	11367	37	13*,14,15,20/04	11429	25	15,22/03	12205	28	43*,50/03;5,11/04
1117A	29*	30,31,32,34,35,36, 44,45,50,51/03;5,6,7,10, 15,18,20,23/04	11368	26	23/04*	11430	25	17/03*	12206	30	50/03*;2,15,19/04
5161	13	48/03*	11369	35	38*,51,52/03;3,4,6,13,14, 19/04	11431	24	22,25/03;11/04	12207	21	18/04*
11004	7	18,21,22,23,24,25,26,27, 29,30,32,34,36,37,38,44, 51/03;1,2,3,4,5,6,10,13,14, 15,16,18,23/04	11370	11	49,50/03;19/04	11432	30	15,39/03	12208	9	23*,28,41,50/03;9,11/04
11006	31	47*,49,50/03;3,5,6,13,16, 20/04	11371	40	19,23,24,25,26,27,29,30, 34,35,37,38,49,50,51, 15,18,20,23/04	11433	17	24/03*;11/04	12209	36	33/03
11009	36	19,39,52/03;5,21/04	11372	11	49,50/03;19/04	11434	16	25/03	12210	44	19,52/03;2/04
11013	45	38*,40,50,52/03;16, 19/04	11373	71	11*,12,13,17,19,23,24/04	11435	9	12/04*	12211	27	19/03
11004	7	18,21,22,23,24,25,26,27, 29,30,32,34,36,37,38,44, 51/03;1,2,3,4,5,6,10,13,14, 15,16,18,23/04	11374	11	49,50/03;19/04	11436	31	20*,22,25/03;11/04	12212	75	48*,50/03;2,9,11,19/04
11009	36	19,39,52/03;5,21/04									

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/03 THROUGH NM 24/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12241	21	34/03/2/04	13009	30	18,23,36,39,44,45,48/03; 6,16/04	14006		N23/04*	14240	6	43/03**
12243	13	12,20/04	13200	33	18,36,39,44,45,48/03; 6/04	14007		N38/03*;N14/04	14241	23	39/03**
12244	13	20/04	13201	10	N18,N36,N39,N44,N45, N48/03;N6/04	14008	76	38/03**	14242	13	40/03**
12245	62	30*,33,34,49/03;4,7,10, 12,15/04				14010	5	26,32/03;14/04	14243	8	39/03**
12248	40	44/03*;4,15/04				14011		N23/04*	14244	5	39/03**
12251	23	15,26/03;12/04	13203	12	48/03	14014	82	1/04	14245	4	39/03**
12252	23	15,17,30,35,45,49/03;16, 20/04	13204	12	44/03;6/04	14024	5	22,36,47/03	14246	6	39/03**
12253	43	35/03*;2,10,13,15,19/04	13205	36	23/03;2,17/04	14040	65	34,49/03	14247		N39/03*;N5,N6/04
12254	44	16/04*	13209	23	23/03;2,17/04	14041	12	34,36,42/03	14248		N40/03*
12255	15	30,34/03	13211	13	45/03	14042	3	34,42/03	14249		N39/03*;N5/04
12256	14	48/03*;2,12/04	13212	36	18/04*	14043	7	21,26,49/03	14250		N40/03*
12261	28	18,22,48/03;20/04	13213	41	18*,20,23/04	14044	44	47,49/03;1/04	14251		N40/03*
12263	53	11*,14/04	13214	27	2,17/04	14046	2	47,49/03;9/04	14252		N40/03*;N14/04
12264	28	42,44,48,52/03	13215	17	6/04	14062	17	32,36/03;15,9/04	14253		N40/03*;N9/04
12266	28	8/04*	13216	1	N2/04	14066	19	34,42,47/03;5/04	14254		N40/03*
12270	33	15/04*	13217	14	6/04	14067	11	14/04	14259	3	40/03**
12272	29	16,30,33,38/03;7/04	13218	38	46,50,52/03;19,20,22,23, 24/04	14081	21	36,47/03;2/04	14260	47	39/03**
12273	54	47/03*;7,20/04				14085	6	49/03;15/04	14263	15	40/03**
12274	33	15,17,30,33/03;20/04	13221	54	15*,19,20,23/04	14088	10	34/03;5/04	14264	4	40/03**
12277	32	35*,51/03;20/04	13223	37	16*,20,23/04	14089	29	34/03	14280	37	40/03**
12278	73	8/04*	13224	37	22/04*	14105	19	47/03	14310	2	40/03**
12280	4	52/03*;2,7,9/04	13225	33	15,19/04	14110	42	32,44/03;1/04	14319		N19/04*
12281	49	19,25,38,44,48,49/03;1, 16,20/04	13226	6	17*,19/04	14111	7	32,34,42,44/03	14325	13	6/04
12282	34	43/03*	13227	13	49/03;19/04	14112	5	32,42,44/03;1/04	14328	6	47/03;9/04
12283	24	18,25/03	13228	11	22,23/04	14115	2	47/03	14329	5	32,47,49/03;1/04
12284	15	42,48/03	13229	28	12*,13,19,22,23,24/04	14128	6	4/04	14340	25	22,30,49/03;1,9,15/04
12285	36	19/04*	13230	47	15*,19,22,23,24/04	14135	2	14/04	14341	5	34,47,49/03
12286	29	42,52/03	13232	4	19,23/04	14136	2	1/04	14342	20	30,49/03;9/04
12288	19	9/04	13233	16	39/03;4,22,23/04	14141	17	47/03	14344	2	49/03
12289	48	19,22/03;13/04	13235	6	23/04*	14143		N38/03*;N4,N15/04	14345	5	22,49/03
12300	43	19*,39,44,48,49/03;6,17, 20/04	13236	13	49/03;19/04	14144	29	38/03**	14349	7	42,47/03;5,6/04
12301	21	N17,N39,N44,N48, N49/03;N6,N20/04	13239	12	22/03*	14145	2	47/03;15/04	14353	3	42/03
12304	43	21*,26,48,52/03;2,5,9, 22/04	13240	39	36*,39,42,45/03;16/04	14146	2	32,49/03;6/04	14354	2	32,42,50/03
12311	42	38*,48,51/03;1,10,16, 22/04	13241	15	23/04	14151	2	32,34,38/03;1,4/04	14355	3	50/03
12312	52	15,24,32,51/03;1,10,16, 22/04	13242	17	23/04	14156	2	14/04	14357		N49/03;N4,N15/04
12313	49	35*,43,52/03;8,15,22/04	13244	39	32/03	14167		N6,N14/04	14358		N34,N47/03;N1,N5, N15/04
12314	30	25,33,35/03;19,22/04	13246	37	36*,42/03	14168		N37/03			
12316	30	12*,19/04	13249	12	22/03*	14169	2	32,38,42,49/03	14360	36	47/03;4,5,6,15/04
12317	31	19/04	13260	60	50/03*;9,15/04	14173	2	38/03	14364	6	4/04
12318	41	32,44/03;6,22/04	13270	60	18*,20,23/04	14174		N42/03*;N14/04	14373	2	34,49/03;1,4/04
12323	23	6/04	13272	48	18*,20,23/04	14175		N43/03*;N9/04	14380	19	49/03;6/04
12324	31	15*,19/04	13274	25	43/03*;6,15,23/04	14177		N40/03*	14386	3	6/04
12326	49	35*,49/03	13275	28	45/03*;15/04	14178		N40/03*;N5,N6/04	14404	4	47/03
12327	97	48*,49/03;17,20,22, 24/04	13276	22	36/03*	14180	38	42/03**	14415	4	36/03
12331	30	18,33/03;22/04	13278	25	32,39/03;17,23/04	14181	3	43/03**	14420	27	40/03**
12332	21	18/03;22/04	13281	17	17,23/04	14182		N40/03*;N5,N6/04	14756		N50/03;N11/04
12333	33	44*,49/03;17,24/04	13282	11	21*,39/03	14184		N32,N44,N47,N49/03	14757		N15/04
12334	66	30*,34,36/03;20/04	13283	18	4,6/04	14185	2	40/03**	14758		N32,N49/03
12335	40	47/03*	13285	10	20/03;4/04	14186	2	40/03**	14769		N13/04**
12337	22	18/03;22/04	13286	30	22/04*	14187	2	38/03**	14773	16	26/03
12338	9	21/03*;19/04	13287	11	20/04	14188	1	42/03	14774	16	15/03
12339	44	50/03*;23/04	13288	40	29,42,44,45/03;20,23/04	14189	2	36,42,44/03;4,6,15/04	14782	24	47/03
12341	26	36/03*	13290	35	39*,42,44,49/03;20,	14190	2	37,42/03;14/04	14784	19	47/03
12343	18	21,27/03				14191		N38/03*	14785	17	18/04*
12345	10	21/03	13292	36	16,29,42,44,49/03;20,	14192		N38/03*;N9/04	14786	13	49/03;19/04
12347	29	27,29,35/03;24/04	13293	33	27/03	14193		N38/03*;N15/04	14791	18	22/04*
12348	33	27,29,34/03	13296	25	27/03	14195		N42/03*;N15/04	14800	9	20/04
12350	58	17/04*	13301	20	23,42,45/03	14196		N38/03*;N15/04	14802	30	20/04
12352	30	46/03*	13302	21	32,42,45,52/03;8/04	14198		N43/03*	14803	26	49/03
12353	18	8/04*	13305	28	36,44/03;8/04	14206	20	43/03**	14811	16	20/04
12354	40	38/03*;2,17/04	13307	10	23,28,44/03;8/04	14207	28	38/03**	14813	21	49/03;19/04
12363	39	23,27,32,36/03	13308	12	22/04*	14208	21	38/03**	14815	22	43/03
12364	34	20*,23,25,27,32,36,39/03	13309	28	32,52/03;15/04	14209		N38/03*;N15/04	14816	24	17/04*
12365	26	23/03	13313	19	36/03	14211		N40/03*	14820	20	15*,24/04
12366	27	20,27/03	13316	22	28/03*	14212		N39/03*	14824	26	5*,19/04
12368	26	24,25/03	13318	18	21/03	14215		N39/03*	14826	27	49/03;8,20/04
12369	25	32,35,36,43/03	13321	9	20/03*	14216		N39/03*	14829	6	15/04*
12371	23	27*,52/03;19/04	13324	14	5/04*	14217		N43/03*	14830	30	31*,34,47/03;15,20/04
12372	32	8*,17,20,23/04	13325	14	29/03;7/04	14218		N39/03*;N6, N19/04	14832	34	49,51/03;24/04
12373	14	17/04	13326	12	7/04	14219		N40/03*;N6,N19/04	14833	26	18*,19,24/04
12378	14	23/03	13394	3	21,42/03	14220		N39/03*	14835	31	7/04
12401	7	33,41/03;22/04	13396	4	19,21/03	14222	16	40/03**	14836	27	10/04
12402	8	34,41/03	14000		N23/04*	14223	18	38/03**	14837	27	5/04
13000		N21,N26,N29/03	14001		N23/04*	14224		N39/03*	14839	36	43,49,51/03;5,8/04
13003	47	36*,39,44,45,48,52/03;6, 16,17/04	14002	57	23/04**	14225	17	39/03**	14841	28	14/04*
13006	31	36*,39,44,45,48/03;6, 16/04	14003	6	29,39,48/03;6,16/04	14226	32	39/03**	14842	13	46*,51/03;10/04
			14004		N23/04*	14227	28	39/03**	14843	23	18/04*
			14005	78	23/04**	14228	11	39/03**	14844	32	18/04*
						14229		N39/03*;N5/04	14853	14	26/03*;10,15,21,24/04

## SECTION I

NM 24/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/03 THROUGH NM 24/04**

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
14854	13	17/03;15/04	16006	33	32,35,36/03;1,15,21/04	16647	3	1/04	17423	13	13/04
14864	26	1,8/04	16011	35	29,31,32,35,44,50/03;	16648	4	1/04	17424	7	22/04*
14867	26	39/03*			1/04	16660	29	17/04*	17426	13	16,20/03;19/04
14869	26	8/04	16012	21	34,50/03	16661	6	17/04	17427	7	21,36/03
14871	2	34/03	16013	29	10/04*	16663	7	17/04*	17428	7	36,43/03;13/04
14880	31	15/04*	16016	20	9/04*	16665	8	15/04*	17429	2	N13/04
14881	31	8/04	16041	8	48/03	16680	10	32,37/03;15/04	17430	10	36/03;13/04
14883	43	15*,19/04	16061	8	17/03	16682	16	17/04*	17431	11	21/04*
14886	11	41/03*	16067	7	1/04	16683	10	17/04*	17432	7	23/04*
14901	14	7,10/04	16081	6	1/04	16700	28	40*,43,50/03;11,12,	17434	11	36,43/03;13/04
14902	28	8,10/04	16082	6	1/04			14/04	17435	16	40,49/03;13/04
14903	23	31/03*;2,7/04	16083	6	9/04*	16701	19	37/03*;12/04	17436	7	22/04*
14904	26	40/03*;1/04	16085	6	15/04*	16702	11	37/03*;12/04	17436	6	20/03;19/04
14905	30	45/03*;7/04	16086	7	18/04*	16704	13	12/04	17437	8	21/03
14907	25	10/04	16087	7	5/04*	16705	19	16,43/03;12/04	17438	12	15,21,36/03;22/04
14908	18	22/04*	16102	5	9/04*	16706	10	12/04	17441	7	15/03;22/04
14909	19	49/03;10/04	16124	6	3/04*	16707	10	16,20/03;5,12,17/04	17445	2	36/03;22/04
14910	23	17/03*;24/04	16200	13	36/03	16708	25	16,20,50/03;12/04	17460		N19/04*
14911	20	10/04	16204	6	22/04*	16709	22	11,12/04	17464	4	12/04
14912	17	31/03*	16206	7	46/03;5/04	16710	16	10,12,14/04	17470		N23,N41/03
14913	18	31/03*;8,10,15,20/04	16220	5	36/03;15/04	16711	2	12/04	17471		N47/03*
14915	25	28/03*	16240	10	15/04*	16712	1	16/03;12/04	17472	4	36,41/03
14916	10	17/03;1,19/04	16300	8	6,9/04	16713	2	12/04	17480	4	36/03
14917	27	17/03;1,19,22*,24/04	16305	9	1/04	16723	15	6,12/04	17482		N41/03
14919	27	1,7/04	16315	10	1/04	16741	10	16/04*	17483		N41/03
14922	19	5/04	16322	8	22/04*	16760	10	28/03;12/04	17484	3	41/03
14924	27	49/03;2/04	16323	9	3/04*	16761	16	28/03	17485	4	41/03
14926	10	32*,47/03;7,8,10,20, 24/04	16338	4	17/04*	16762	9	12,14/04	17513		N15/03;N9,N12/04
14927	24	47/03;7,8/04	16363	12	10/04	17003	4	24,35,36/03;6/04	17515	7	15,16,36,43/03;12/04
14928	21	7,10,20/04	16381	8	25/03	17008	12	36/03	17517	8	15,16,34/03
14929	24	7/04	16382	10	6/04	17300	30	21,39/03	17518	7	16,18,20,41,47/03;10, 17/04
14930	25	15/04*	16420	10	46/03*	17302	18	49/03	17519	13	16/03
14932	23	26/03*;1,5,19/04	16423	2	47/03	17303	10	24/04*	17520	2	N16,N34/03
14933	24	1/04	16431	7	50/03*	17315	23	16,21,25/03	17521		N15/03
14934	27	17*,26/03;1/04	16432	11	3/04*	17316	20	25/03	17522		N15/03
14935	21	1,10/04	16433	8	14/04*	17317	20	18/04*	17523		N19/04*
14937	24	17/03;10/04	16435	6	24/04*	17318	5	39/03	17524		N15,N49/03
14938	23	1,7/04	16442	7	41/03*	17320	16	14/04*	17525		N15,N43/03
14942	25	1/04	16463	7	3/04*	17323	10	22,29,39/03;5/04	17526		N19/04*
14961	12	3/04*	16474	8	18/04*	17324	13	39/03/5/04	17528		N19/04*
14962	20	16/04*	16477	7	18/04*	17325	7	29/03	17543	17	43/03;14/04
14964	21	18/04*	16478	10	5/04*	17327	21	46/03*	17545	13	43/03;12,14/04
14965	21	2/04	16480	10	34,50/03	17328	7	10/04*	17546	22	24,34,35,43/03;14/04
14966	26	15/04*	16484	7	14/04*	17330	8	10*,14/04	17548	28	16,43/03
14970	25	1/04	16486	7	24/04*	17331	7	14/04	17549	6	15/03;3/04
14972	25	1/04	16487	6	20/04*	17333	8	3*,14/04	17550	4	43/03;3,6/04
14973	27	15/03*	16490	8	6/04*	17335	6	14/04	18000	8	21,36,44/03;11,21,22/04
14974	24	5/04	16500	9	33/03	17336	8	14,17/04	18002	6	N21,N36,N44/03;N11, N21,N22/04
14975	33	43,49/03;10,24/04	16501	7	16/04*	17337	8	14/04	18003	19	22*,41,43/03;3,6,22/04
14982	9	16/04*	16511	7	17/04*	17338	13	14/04	18005	4	N21,N26,N40/03;N4, N10,N21/04
14983	9	46/03*	16514	4	14/04*	17339	11	14/04	18006	3	N21/04
14985	9	41/03*	16516	7	24/04*	17341	8	14/04	18007	31	18,22,24,26,35,41/03;4,5, 6,7,16,22/04
14986	9	46/03*	16517	6	16/04*	17360	33	31*,36/03;13,14/04	18008	7	N18,N22,N4,N26,N35, N37,N41/03;N4,N5,N6, N7,N16,N22,N24/04
14987	9	3/04*	16520	21	31,33/03	17362	10	14/04	18009	2	N26,N40/03;N10/04
14988	10	41/03*	16522	6	16/04*	17363	13	14/04	18010	20	26,33,40,47/03;4,5,7,16, 24/04
14990	4	6/04*	16528	16	33/03;6/04	17365	12	14/04	18020	37	47/03*;1,4,7,11,19,21,22, 24/04
14991	10	8/04*	16529	15	24/04*	17367	11	14/04	18022	34	3*,4,7,11,13,19,21,22,23, 24/04
14993	12	16/04*	16530	6	33/03;6/04	17368	6	14/04	18400	44	41*,43,47,49/03;3,8,10, 17/04
14994	11	21/04*	16535	12	21,31/03	17370	10	3/04*	18401	12	34/03
15017	4	10/04	16547	9	18/04*	17372	11	48/03*	18403	21	20/03
15043	3	34,47/03	16549	15	41/03*	17375	20	50/03;16/04	18405	12	16/03
15044	3	34,47/03;1/04	16553	4	22/04*	17376	6	16/04	18406	5	16/03
15046	4	47/03;14/04	16561	1	29,35,44/03	17377	1	16/04	18409	8	41/03
15061	3	50/03	16566	10	29,44,49/03	17378	14	17/04*	18411		N16,N20/03
15064	1	50/03	16575	1	1/04	17379	1	16/04	18412	10	20/03
15066	5	32,47/03	16576	4	47/03*	17381	10	16/04	18413	15	20,22/03
15067	2	47,49/03	16580	12	9*,18/04	17382	15	20*,36/03;13,16/04	18414	9	20/03;3/04
15069	4	47/03	16590	10	1/04	17383	13	16/04	18415	8	22,32,39,47,50/03;3,9,10, 22/04
15070	3	49/03	16591	9	16/04*	17384	8	15/04*	18416	6	22,46/03;17/04
15074	1	6/04	16592	9	16/03;1,18/04	17385	14	13,16,18/04	18418	6	15/03
15080	1	47/03	16593	11	1/04	17386	3	16,18/04	18419	11	46/03;1,9/04
15083	6	14/04	16594	13	1/04	17387	13	16/04	18420	1	22,47,49,50/03
15160	5	50/03	16595	14	1/04	17400	16	44/03;14,16/04	18421	46	50/03*;8,9,17,22/04
15163	2	50/03	16596	12	1/04	17401	11	18/04*	18423	34	12*,13,17,22/04
15300	N10/04		16597	8	1/04	17402	10	16/04	18424	25	45/03
15313	1	15/03	16598	9	1/04	17403	13	16/04	18427	22	18/04*
15444	N19/04*		16599	6	1/04	17404	12	16/04			
15562	N16/03		16601	10	1/04	17405	14	25,46/03;16,18/04			
15563	N20/04*		16603	8	48/03*	17406	7	17/04*			
15569	N23/03		16604	11	1/04	17407	15	10/04*			
15570	N23/03		16605	8	1/04	17408	7	16/04			
15690	N35/03		16606	11	21/03;1,04	17409	10	44/03;16/04			
15946	N47/03		16608	4	46/03*	17412	2	49/03			
16003	16	36,48/03	16640	24	21/03;1,17/04	17413	2	44/03			
16004	11	17,48/03	16645	18	1/04	17420	26	20,36/03;13/04			
16005	9	36,48/03	16646	12	1/04	17422	8	13/04			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/03 THROUGH NM 24/04

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.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
18429	9	22/03	18655	58	16/03	19367	37	50/03	22250	2	18/03;4/04
18430	8	5*;17/04	18656	53	19*;21,33,40,43,48/03; 11/04	19369	5	36,50/03;10,14/04	22251	11	28/03
18431	6	1,22/04	18657	18	21,40/03	19379	1	N30,N46/03;N12,N13, N16,N22/04	22252	18	2,21/04
18432	5	22/04	18658	30	17/04*	19380	15	8*,12,16,22/04	22259	4	20,24/03;2/04
18433	5	22,32,36/03;9,17,22/04	18659	14	16,21,43,48/03	19381	8	26,03;7,12,16,22/04	22262	3	13/04
18434	5	2*;13,17/04	18660	2	29*,43,49/03;21/04	19382	15	26/03	22263	1	26,37/03;4/04
18440	27	3*,8,21,22/04	18661	27	15*,16,43,49/03;13,17, 21/04	19383	17	23/04	22264	2	18,20,24,26,37,41/03
18441	43	39*,45,47,51/03;6,8,17, 22/04	18662	20	43,44/03	19385	8	3*,16/04	22275	3	18,26/03;2/04
18443	16	16/04*	18663	5	43/03;17/04	19387	9	N46/03;N12,N23/04	22281	9	18/03;4,13/04
18444	15	34/03;1/04	18666	1	21,33,48/03	19388	2	N46/03	22282	17	4,14/04
18445	30	13*,21,22/04	18680	30	33,35,38,40/03;19/04	19441	7	28/03*	22283	3	N14/04**
18446	16	47*,51/03;8,22/04	18682	14	10/04*	19442	5	26/03	22284	7	N5/04**
18447	26	18,47/03;22/04	18685	32	36*,46/03;17,19,22/04	19480	7	6/04	22285	1	14/04*
18448	33	1*,8,13,17,21,22/04	18700	22	40/03*;13,21/04	19482	9	6/04	22286	1	5*,13/04
18449	18	50*,51/03;6,22/04	18703	25	40/03*;7,13/04	21005	5	15/04	22290	4	18,30/03
18450	18	18*,22/04	18720	31	25/03;11,21,23,24/04	21008	62	36/03	22293	15	18,26,37,38/03;21/04
18452	16	34,38/03	18721	11	39/03;21/04	21033	46	16/03;1/04	22294	15	16,21/04
18453	24	25,36,38,42/03;6,22/04	18724	1	22*,25/03;15,23/04	21036	7	16/03;1/04	22305	2	18,24,30,34/03
18455	2	N15,N34,N38/03	18725	27	32/03*;19,21,23,24/04	21125	13	36/03	22311	19	13/04
18456	19	21/04	18740	40	46*,49/03;1,5,7,14,19,22, 23,24/04	21140	1	27,36/03;7,19,22/04	22312	2	30/03;9/04
18458	15	19*,28,34,38/03;13/04	18741	18	N27,N38/03;N1,N7,N14, N19,N22/04	21160	1	15/04	22313	2	18,38,40/03;13/04
18459	5	N15,N28,N34,N38/03; N13/04	18744	30	35/03;24/04	21180	1	15/04	22314	1	40/03
18460	11	43/03;3,17/04	18746	35	11*,19/04	21384	4	11/04*	22322	11	33/03**
18464	23	24*,30/03	18749	38	16,21,26,28,31,39,41,49, 50/03;5,7,22/04	21441	27	15/04	22331	2	N19,N24/03;N1,N2/04
18465	36	18/04*	18751	42	16,21,26,28,31,39,46,49, 50/03;5,7,19,22/04	21478	3	16/03	22335	4	19,52/03
18471	9	36/03*;8/04	18754	17	39*,43/03;23/04	21482	1	36,46/03	22341	9	21,29,52/03;2/04
18473	7	18,19,34,38,45,47,51/03; 6,8,22/04	18756	8	14/04*	21510	1	16/03	22342	9	21,29/03
18474	8	5*,8,22/04	18757	10	41/03*;5/04	21520	1	29/03	22343	1	N21,N41,N52/03;N2/04
18475	1	35/03	18758	6	16,33,49/03;4,11,13, 23/04	21521	14	29/03	22344	6	N23*,N52/03
18476	5	18/04*	18760	6	N25,N35,N36,N44/03; N1,N7,N11,N19,N21, N22,N24/04	21525	19	38/03	22345	11	24/03
18477	5	6,22/04	18761	2	N1,N16/04	21543	13	9/04	22347	6	N23/03*
18480	29	43/03;3,6/04	18762	15	1,16/04	21544	20	24/04	22351	1	N35,N41,N52/03;N2/04
18484	11	18/04*	18763	10	18*,23/04	21546	3	24/04	22352	6	19,24,35,52/03;1,2/04
18485	15	29/03;17/04	18765	15	27,46/03;7,14,16,19,20, 22/04	21580	40	52/03	22360	2	19,52/03;2/04
18500	29	22/04*	18766	7	27,36/03;7,19,22/04	21581	5	41/03	22361	2	N30,N32,N33,N34, N52/03;N2/04
18502	84	21,28,29,42,47,52/03;21, 24/04	18768	4	N27,N36,N38/03;N7, N19,N22/04	21582	3	16/04	22370	2	15,19,26,30,33,34/03; 2/04
18504	65	19*,35/03;3,21/04	18769	2	N1/04	21584	2	41/03	22371	5	30,32,33,52/03;2,4/04
18520	24	22/03;14,22/04	18772	47	21*,48/03;23/04	21601	4	31/03	22373	1	N24,N30,N32,N33, N34/03;N3/04
18521	70	5*,13,14,19,20/04	18773	39	40*,41/03;4,14,23/04	21602	1	18/04	22375		N15,N26,N37/03
18523	54	5*,8,13,19,20/04	18774	10	16,49/03;4,11,13,14,19, 23/04	21603	9	31,36/03;11/04	22377	1	N2,N4/04
18524	33	24,29,47,52/03;8,13,19, 20,22/04	18776	7	27,36/03;7,19,22/04	21604	25	4/04	22379	1	N30,N32/03
18525	33	29,52/03;6,8,13,19,20/04	18778	4	N27,N36,N38/03;N7, N19,N22/04	21605	7	31/03	22395	2	15,19,22,26,30/03
18526	56	15*,17,19,20/04	18779	2	N1/04	22004	38	16,29/03;2,7/04	22401	4	N23*,N30/03
18527	21	48/03	18780	10	18*,23/04	22008	35	17,29,32,38,47/03;7/04	22407	1	N18,N30/03
18528	10	18/03	18783	15	27,46/03;7,14,16,19,20, 22/04	22012	31	29,32/03	22408	1	N21/03
18531	21	15*,19,20,22/04	18784	10	16,49/03;4,11,13,14,19, 23/04	22032	20	19,40/03	22409	4	N17,N22/03
18532	20	52/03	18785	2	N1,N16/04	22036	28	51/03;2,21,22/04	22410	32	19,23,40/03
18533	9	21/04*	18786	9	N16,N23,N29,N46/03; N6,N8,N12,N16,N22, N23,N24/04	22054	1	20/04*	22412	2	2,4/04
18543	2	15/04*	18787	9	N16,N23,N29,N46/03; N6,N8,N12,N16,N22, N23,N24/04	22082	4	25,38/03;20/04	22413		N22/03
18545	15	50/03*	18788	37	18*,23,24/04	22084	4	35,37/03;15/04	22415	8	2,4/04
18546	10	19/04*	18789	17	21*,23/04	22090	2	17/03	22417	1	N25/03;N1/04
18551	8	18/04*	18790	4	16,23,29,46/03;10,12,16, 19,23/04	22101	19	37/03	22418	2	19/03
18553	7	24/04*	18791	10	3*,19/04	22102	19	17/03	22420	2	15,19,30,40/03
18556	25	17/04*	18792	4	16,23,29,46/03;10,12,16, 19,23/04	22109	3	17/03	22421	4	N23,N25,N26,N27/03; N4/04
18558	37	48/03;1/04	18793	4	16,23,29,46/03;10,12,16, 19,23/04	22111	4	17/03	22423	3	N25,N27/03
18561	12	12*,22/04	18794	4	16,23,29,46/03;10,12,16, 19,23/04	22112	3	17,37/03;5,10/04	22424	1	N27/03
18580	21	51/03;17/04	18795	18	18*,19,22,23,24/04	22113	8	17/03;5,10/04	22427	1	N23,N25,N26,N40/03; N9/04
18581	17	36,50,51/03;14/04	18796	17	18*,22,23,24/04	22114	5	17,33,37/03;5/04	22429		N17,N19,N27/03
18583	38	43/03	18797	10	3*,19/04	22117	3	37/03;5/04	22430	6	19/03;22/04
18584	47	30,48,52/03;1,13/04	18798	10	29/03/14/04	22120	3	29,32/03/7/04	22433	3	35/03;22/04
18587	68	21,27,36,52/03;1,8,14,19, 20,23/04	18799	9	28/03/*	22121	9	29,32,47,51/03;18/04	22434	2	35/03
18588	37	22*,36/03;22/04	18800	16	16,23/03;6,8,12,22/04	22124	2	29,32/03	22437	2	22/04
18589	15	44/03;22/04	18802	8	14/04*	22130	2	17,29,32,38/03;2,7/04	22440	1	19/03
18600	14	44,47/03;5,16/04	18804	22	23/03;13/04	22138	3	11/04/*	22461	1	21/04
18601	13	1/04	18805	10	14/04*	22140	2	25,47/03;7/04	22471	31	2,6,8,22/04
18602	12	26*,47/03;1,14/04	18806	10	14/04*	22142	4	25,40,47/03;7/04	22481	35	19/03;2/04
18603	16	5,16/04	18807	7	23,43/03	22143	2	26*,29/03;11/04	22482	16	23/03;9/04
18620	23	4,7,24/04	18809	1	N30,N47/03;N8,N10, N23,N24/04	22145	2	N25/03	22492	3	34/03
18622	52	21,25,27,35/03	18810	26	29,30,36,47/03;8,10,13,	22160	2	25/03;7/04	22521	3	17,34/03
18623	11	4,7/04	18811	9	23/04	22172	8	29/03;11/04	22523	3	17,34/03
18640	24	26,38,42/03;4/04	18812	26	29,30,36,47/03;8,10,13,	22173	36	17,29/03;11,17,21/04	22529	3	17,35/03
18643	17	26*,33,41,43/03;19/04	18813	24	23,24/04	22180	2	32/03	22531	2	17,35/03
18645	24	33,38/03;5/04	18814	10	15*,19/04	22181	17	10*,17/04	23000	5	51/03
18649	63	48*,50/03;2,5,11,16,19, 20,21/04	18815	17	29/03;23/04	22182	7	10*,11/04	23010	4	24/04
18650	52	47/03*;11,19,20,21/04	18816	8	15*,19/04	22183	4	52/03*;21/04	23020	4	22/03
18651	42	15*,48/03;16/04	18817	9	23/04	22190	2	29/03	23030	6	21,22,37,42/03;14/04
18652	32	36*,40,43,46,48,49/03;5,	18818	12	27/03;6/04	22205	2	18/03	23071	3	24/04
18653	9	11,16,19,20/04	18819</td								

## SECTION I

NM 24/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/03 THROUGH NM 24/04**

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 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
23141	7	22,37/03	24480	1	24,27,42,48/03;21/04	26220	6	11/04	35302	7	17/03
23142	10	37,47/03	24482	2	31/03	26229	11	31/03;9/04	35303	7	17/03
23145	3	37,51/03;14/04	24484	3	31/03	26230	12	31/03;9/04	35350	2	23/04
23153	8	49/03	24490	3	25,27/03	26245	16	15/03	35363	1	12/04
24004	36	41,42,46/03	24491	3	27/03	26282	6	22,23,34/03	35365	1	12,23/04
24016	53	13/04	24500	1	7/04*	26290	1	21/03**	35380	8	12/04
24024	46	18,25/03	24501	3	27/03	26295	1	21*,22,34/03	35390	2	12/04
24050	11	20,31,32,33,51,52/03;6, 14/04	24502	6	27,34,47/03	26300	7	21/03*	35400	11	18/04
24052	15	19,21,30,42,44,50/03	24504	7	42,48/03;21/04	26308	5	21*,22,23,34/03	35420	13	12,18/04
24053	16	19/03	24508	3	22/03*;24/04	26309	27	11/04*	35424	3	18/04
24055	6	19,21,42,50,51,52/03; 6/04	24509	2	15,25,34,42/03;12,21/04	26310	1	N48/03*	36005	2	17,24,25,27,31,43,44/03; 13,23/04
24091	6	21,46/03;22/04	24510	2	42/03;21,24/04	26312	2	21/03	36010	27	15,16,20,23,43/03
24092	14	22/04	24511	2	24,42,48/03	26316	3	21/03	36015	2	27,44/03;13/04
24100	5	46/03	24512	3	24,25,38,42/03;24/04	26320	5	22,23,25,31,40/03;19/04	36040	16	15/03;6/04
24103	3	10/04	24513	18	38,42/03;24/04	26327	2	N17/03	36060	17	20,21/03;2,17/04
24110	3	35/03	24517	2	25,40,42/03	27005	4	22,23,34/03;19/04	36061	5	20/03
24133	6	31/03	25001	7	15,52/03	27007	21	41,42/03;10/04	36120	9	16,23,27/03;17/04
24140	18	41,42,46/03;6,7,11,22/04	25017	5	15,25,31,34,39,52/03; 15/04	27060	2	22,23,34/03	36123	25	16/03
24142	43	7,11/04	25018	9	15,25,31,34,39,52/03	27080	4	15,22,39,52/03	36124	18	16/03
24149	1	52/03	25400	2	20/04*	27081	6	19/04	36125	7	30/03
24150	27	41,47/03;6,7/04	25480	1	52/03;8/04	27082	6	19/04	36140	12	27/03;13/04
24151	4	41/03;6,7/04	25481	25	8/04	27083	39	28/03;4,24/04	36143	4	30,43/03
24152	2	41,47/03;6/04	25483	20	8/04	27100	2	21/03	36161	10	18/03;21/04
24153	6	39,47/03;6/04	25485	45	36/03;10/04	27102	11	28/03	36162	10	18/03
24155	6	46,49/03	25487	2	36/03;10/04	27120	4	16/04	36163	13	18/03
24160	21	47/03;10,15,22/04	25524	43	20,24,26,32/03;23/04	27122	5	19/04	36164	7	15/03
24161	11	28,32,39,40,47/03;10/04	25525	17	26/03;23/04	27160	2	35/03	36165	6	27,30,43/03;21/04
24162	9	28,32,39,40,42,47,52/03; 10/04	25526	2	24,32/03;23/04	27206	18	9/04	36180	23	27,44/03;13/04
24164	6	39,41,47/03	25527	31	24/32/03	28004	1	22/03	36181	18	13/04
24170	14	35/03;9,22/04	25550	2	21/03	28050	3	26,42,47/03	36182	6	27/03;13/04
24171	19	37,52/03;16,22/04	25560	21	16,26,34,38/03;1/04	28084	4	17/03**	37000	22	23,43/03
24172	4	22/04	25609	5	1/04	28154	2	38/03	37005	16	15,23,28,29,30,50,51/03; 5,8/04
24180	15	40/03	25610	8	2/04	28165	20	20/04*	37010	23	15,19,23,27,28,29,30,43, 50,51/03;5,8,12,15/04
24200	14	9,13/04	25611	22	1/04	28168	22	16/04	37025	26	24,25,27,31,33,34,36,38, 41,43/03;3,4,10,11,15/04
24201	5	49/03;9/04	25613	3	20/04*	28190	2	18/03;16/04	37032	2	25,31,38,42,43,45/03;3,4,
24202	6	31,35,46/03;21/04	25640	41	22/04*	28196	4	18/03;16/04	37033	2	33/03;15,17/04
24203	36	49/03	25641	27	15/04*	28197	4	18/03;16/04	37034	2	33,41/03;10,15,P18,
24210	14	42/03	25644	13	20/03*	28221	8	16/04	37043	17	43,46/03;12/04
24220	14	39/03	25645	17	15/04	28263	3	16/04	37046	18	43,46/03;12/04
24222	3	39/03	25647	10	16/04	28300	1	16/04	37050	9	17/03;12/04
24223	33	39/03	25649	19	44/03*	28302	16	7/04	37060	3	18,43,46/03;12/04
24224	1	15/04*	25650	33	25,30,31,39/03;15,21/04	28310	2	7/04	37063	21	43/03
24230	20	52/03;9/04	25653	13	14/21/04	29101	6	7,8,13/04	37075	3	18,43/03;12/04
24233	15	9,22/04	25654	13	14,21/04	29105	5	49,50/03;8,11/04	37080	3	15,18,20,21,22/03;12,
24234	3	35/03	25655	11	14,21/04	29121	5	8,12,13/04	37082	9	24/04
24240	5	39,46,52/03	25659	9	20/03*	29124	1	21/04	37090	8	16,22/03;12,23/04
24250	5	39/03;13,22/04	25663	27	17,30,39/03	29127	4	29,39,42/03;21/04	37095	3	15,16,20,22,32,39/03
24251	23	39/03	25664	15	17,30,39/03	29141	3	29,39/03	37103	9	12/04
24252	5	39/03	25666	17	17/03;11/04	35002	N19/04*		37106	4	32/03
24270	3	17,29/03	25667	20	15/03	35003	N19/04*		37110	11	20,25,31,32,39/03;12/04
24271	14	17,29/03	25668	18	34/03	35004	N19/04*		37115	2	25,31,32,39/03;12/04
24274	2	17,29/03	25670	42	2*,14/04	35005	N23/04*		37120	2	21,23,24,25,26,27,30,32, 39,42,43,44,45/03;12,20, 24/04
24292	4	22/04	25671	18	21/03*,21/04	35008	21	25,27/03;23/04	37121	11	25/03;12/04
24293	6	37,42,46/03	25673	15	43/03	35009	19	49/03	37122	12	19,31,44,45/03;12/04
24294	22	37,46/03	25675	9	20/03*	35011	2	25/03	37123	9	20/03
24320	4	17/03	25677	20	32*,39,52/03	35013	N23/04*		37125	15	20/03
24322	6	17/03	25679	10	20/03*,11,15/04	35014	N23/04*		37127	11	20/03
24350	2	18/03	25681	16	28*,34,39/03;15/04	35025	N23/04*		37129	6	20,23,24,30,32,42,43,44, 45/03;12,24/04
24355	2	25,37/03	25683	18	32*,34,39,52/03	35027	N24/04*		37134	5	45/03
24360	1	25/03	25685	9	22*,52/03	35032	16	12/04	37136	6	30/03
24370	1	48/03;1/04	25687	12	30/03*	35036	21	15,27,43/03;12,13/04	37137	6	30/03
24375	2	38/03	25700	3	15/03	35040	18	24/04**	37140	33	16,24,25,30,32,42,43,44, 45/03;12,24/04
24376	1	38/03	25848	25	15/03;11/04	35041	8	23/04**	37141	29	17,19,24,27,31,45/03; 23/04
24380	2	48/03;1/04	26050	1	26,47/03	35042	9	24/04**	37147	15	16,17,19,25/03;12/04
24404	8	11,24/04	26060	1	42/03	35055	N23/04*		37148	13	27,51/03;12/04
24430	5	31,52/03;24/04	26068	11	18,50/03	35060	14	49/03	37150	8	19,26,27,32,33,35,37,39, 41,43,46/03;7,12/04
24431	14	31,52/03	26081	8	16,42,43/03;16/04	35080	16	23/04**	37161	14	19,24,41,43,46/03
24443	3	52/03	26083	14	19/04	35081	15	22,27/03	37162	12	21,26,27,30,32,33,35,37, 39,40,41,43,45,46/03;
24444	2	23/04	26100	4	31/03	35082	7	22,27/03	37163	19	32,43/03;11,12,22/04
24450	3	26,47/03;6/04	26122	30	22/03*	35083	8	20/03	37164	4	23,26,27,30,32,35,37,43, 46/03;7,22,24/04
24453	5	26/03	26125	3	41/03	35086	5	22/03			
24454	5	26/03	26127	21	11/04	35100	14	23/04**			
24455	5	26/03	26129	11	41/03	35101	6	16/04			
24460	4	15,29,32,47/03	26130	20	11/04	35120	13	23/04**			
24461	4	16,38,47/03	26147	31	19/04	35130	3	24/04			
24462	5	16,29/03	26186	17	14/04	35136	2	24/04			
24463	6	15,25,26,38/03;13/04	26188	11	15/04	35155	3	25/03			
24465	6	38/03	26218	2	31/03	35200	7	25/03;24/04			
24470	4	13/04	26219	5	31/03	35301	6	17/03			











## SECTION II

NM 24/04

## 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									
11AHA11332 (7642014010129)	Sabine Bank (LORAN-C)	80,000	<u>29</u>	<u>4/04</u>	NOS	1-94	24/04		
16XHA16435 (7642014011354)	Alaid and Nizki Islands	20,000	<u>6</u>	<u>4/04</u>	NOS	1-97	24/04		
16BHA16486 (7642014011314)	<u>Atka Island-Western Part</u>	40,000	<u>7</u>	<u>5/04</u>	NOS	1-66,97	24/04		
16XHA16516 (7642014011363)	Chernofski Harbor	10,000	<u>7</u>	<u>3/04</u>	NOS	1-97	24/04		
16AHA16529 (7642014011257)	Dutch Harbor	10,000	<u>15</u>	<u>4/04</u>	NOS	1-97	24/04		
17XHA17303 (7642014011426)	Yakobi Island and Lisianski Inlet	40,000	<u>10</u>	<u>3/04</u>	NOS	1-97	24/04		
	Inset: Pelican Harbor	10,000							
	Continuation: Continuation of Lisianski Inlet	40,000							
18XHA18553 (7642014011631)	Franklin D. Roosevelt Lake-Northern Part  (Not shown on index)	50,000	<u>7</u>	<u>4/04</u>	NOS	1-98	24/04		
REGION 2									
22AHA22052 (7642014011792)	<u>Bahia de Buenaventura</u>	25,000	<u>7</u>	<u>2/04</u>	A	2-12,62	24/04		
	Plan: Bahia de Buenaventura Inner Harbor	12,500							
REGION 3									
35ACO35006 (7642015122471)	<u>UKHO 1191, River Tyne to Flamborough Head</u>	<u>200,000</u>	<u>11/01</u>	<u>UKHO</u>	3-12,13, 30	24/04			
	Continuation: Approaches to the River Tyne (Change legend 35040 to 35006 on graphic p. 3-13 in 55-10N 001-30E)	<u>75,000</u>							
35BHA35027 (7642015122482)	<u>UKHO 152, River Tyne to River Tees</u> (Change legend 35042 to 35027 on graphic p. 3-13 in 55-10N 001-00W)	<u>75,000</u>	<u>11/01</u>	<u>UKHO</u>	3-12,13, 30	24/04			
35ACO35040 (7642014012281)	Canceled						3-10,25	24/04	
35BHA35042 (7642014012327)	Canceled						3-10,25	24/04	
MISCELLANEOUS CHARTS AND PUBLICATIONS									
CDPUBSD142 (7644014665871)	<u>Ireland and the West Coast of England (Enroute), 2004</u>				GPO	10-19, 38	24/04		

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

UKHO United Kingdom Hydrographic Office

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## SECTION II

### NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

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 126              6 Ed 2002              LAST NM 23/04**

Page 261—Lines 40 to 48/L; read:

**10.17 Nema Island** (Nama Island) ( $7^{\circ}00'N.$ ,  $152^{\circ}35'E.$ ) is nearly 1 mile long in a NW-SE direction and nearly 0.5 mile wide. It is somewhat higher than most islands in this general area and resembles a fort when viewed from the offing. It is covered with palm, pandanus, and breadfruit trees. A village stands on the W side of the island.

The island is reef-fringed and shoal ground, as defined by the 10m curve, extends 0.5 mile off the N and SE sides. A weak E current has been experienced about 10 miles N of Nema Island.

(US CH 81345)              24/04

**PUB 142              9 Ed 2004              NEW EDITION**  
(NGA)              24/04

**PUB 163              8 Ed 2002              LAST NM 23/04**

Page 160—Lines 43/L to 11/R; read:

**6.74 Dili** (Dilly) ( $8^{\circ}32'S.$ ,  $125^{\circ}35'E.$ ) (World Port Index No. 51390) is situated on a low plain at the head of a bay between Tanjung Mau Duki and Tanjung Fatu Cama (Tanjung Fatoe Kama), a salient point 1.75 miles SE. The inner roadstead is sheltered by reefs, which dry, extending from the shore at each end of the town and a large detached reef between them.

Two channels pass through the reef to give access to the harbor. The W channel, with a least depth of 13.1m, is marked by range lights and leads into the harbor.

The main cargo wharf, concrete construction, is 180m in length, with a depth of 9m alongside. A ferry terminal lies at the head of harbor, with depths alongside ranging from 2 to 7m.

The Dili oil depot lies 1.5 miles W of town. A stone causeway 300m in length extends to a T-headed berth, with a charted depth of 13m alongside. A wreck was reported (2003) to lie 170m due E of the pier head.

**Tanjung Laquebada** ( $8^{\circ}32'S.$ ,  $125^{\circ}34'E.$ ) is the NW entrance point to Dili. A conspicuous light, shown from a 17m high metal framework tower with a white stone base and blue bands, stands on the point. A large religious statue is visible during daylight hours to the E of Mount Fatocoma. A large warehouse on the wharf, 0.4 mile SE of Tanjung Laquebada, was reported to be conspicuous from seaward. The former Governor's palace stands close SE of the wharf. A conspicuous custom house stands 0.3 mile E of the former Governor's palace; midway between them is a stone jetty.

A compulsory pilot is available at Dili.

The outer anchorage for general cargo vessels lies N and NW of Tanjung Laquebada. Caution is necessary as foul ground lies in the E section of the anchorage and dangerous wrecks lie 0.7 mile WNW and 1.1 miles NE of Tanjung Laquebada. Anchorage may also be obtained in the inner

road, clear of the reefs, in a depth of 20m. Vessels can anchor as convenient or proceed alongside the wharf.

(47(348)03 Jakarta; US CH 73082)              24/04

**PUB 172              9 Ed 2001              LAST NM 22/04**

Page 22—Lines 16 to 17/L; read:  
submerged oil pipeline extends W from the tanker to the shore.

**North Ain Sukhna Port** ( $29^{\circ}41'N.$ ,  $32^{\circ}22'E.$ ) is a new port which opened in 2000. It is approximately 3 miles N of Ain Sukhna. Three more basins are planned to be added to the harbor.

**Sokhna Port Home Page**

<http://www.spdc.com>

**Depths—Limitations.**—The harbor is reached from the E through a channel dredged to a depth of 18m and marked by lighted buoys. Two lighted breakwaters extend from the shore as the harbor is reached. The inner portion of the entrance channel and the turning basin have been dredged to 17m. Vessels up to 170,000 dwt can be accommodated.

<b>North Ain Sukhna Berth Information (2003)</b>		
<b>Berth</b>	<b>Length</b>	<b>Depth</b>
Northeast side of basin		
General cargo terminal	350m	17m
Bulk terminal	400m	17m
Southwest side of basin		
Container terminal	450m	17m
Fertilizer terminal	300m	17m

**Aspect.**—A group of tanks stands NW of the quays. A port control tower stands N of the channel along the shoreline.

**Pilotage.**—Pilotage is compulsory. Pilots board 2 miles E of the channel entrance. Pilots should be contacted 6 hours prior to arrival on VHF channel 16, 78, or 79.

**Anchorage.**—Eight circular anchorage areas, designated S1 through S8 and best seen on the chart, for vessels waiting to enter the port, are located in an area E of the port.

**Caution.**—Mariners are cautioned that the area outside the channel is incompletely surveyed and that uncharted shoals may exist.

**2.3 Ain Sukhna** ( $29^{\circ}35'N.$ ,  $32^{\circ}22'E.$ ) (World Port Index (19(2142)04 Taunton; BA NM 20/04, Section IV; US CH 62194; US NM 3/04, Section II)              24/04

Page 242—Line 51/R; read:  
long, supplies alongside berthing. The pier is 400m long.

**PUB 172 (Continued)**

There are four berths, with charted depths of 11.9m alongside, on each side of the pier.

The charted loading wharf about 1 mile NE of the head of the pier is no longer in service.

A barge pier lies at the head  
(Fr SD L4)

24/04

**COAST PILOT CORRECTIONS****COAST PILOT 1      34 Ed 2004      Change No. 2  
LAST NM 21/04**

Page 197—Paragraphs 57 to 61; read:

The southern limit of the route is about 7.0 miles SE of Great Duck Island in about 44°03.2'N., 68°08.6'W. Vessels are requested to begin and end their transit from about this point. Entering and departing vessels should follow track-lines of **002\*** and **182\***, respectively. The recommended southern approach route begins E of Frenchman Bay Southern Approach Lighted Whistle Buoy FBS and intersects the recommended eastern approach route 0.4 mile NW of Frenchman Bay Lighted Buoy FB.

The Frenchman Bay recommended route continues NW of Frenchman Bay Lighted Buoy FB along the following positions:

44°20.0'N., 68°08.9'W.;  
44°22.6'N., 68°09.6'W.;  
44°23.7'N., 68°10.4'W.; thence W to 44°23.7'N., 68°11.2'W. at the edge of Anchorage "A" and thence NW to 44°24.4'N., 68°11.7'W. at the edge of Anchorage "B".  
(CL 307/04)

24/04

Page 198—Paragraph 73, lines 7 to 8; read:

207-338-6600. Pilots board vessels in the vicinity of Lighted Buoy FB. Vessels arriving ...

(CL 239/04)

24/04

Page 198—Paragraph 73, line 20; read:

route, in about 44°18'36"N., 68°05'12"W. and 44°17'36"N., 68°07'48"W. The pilot boat is the FRENCHMAN BAY, a 36-foot ...

(CL 239/04)

24/04

**COAST PILOT 4      35 Ed 2003      Change No. 29  
LAST NM 21/04**

Page 353—Paragraph 115, line 18; read:

Buoy T, 31°57'53"N., 80°43'10"W. It is recommended that all deep draft vessels make preparations to be boarded by the Savannah Pilots in a rectangular area enclosed by the following points:

31°57'49"N., 80°40'30"W.;  
31°56'54"N., 80°38'24"W.;  
31°55'08"N., 80°39'32"W.;  
31°56'05"N., 80°41'36"W. Ships are ...  
(13/04 CG7; LL/04; CL 428/04)

24/04

Page 480—Paragraph 423, lines 2 to 4; read:

**West Palm Beach Drainage Canal** joins the lake here; in 2003, it was reported there was no boat access to the canal.

At the lock in the canal, an overhead power cable has a clearance of 68 feet.

(DB 4441; NOS 11428; CL 1285/96)      24/04

Page 480—Paragraph 424, lines 3 to 5; read:  
reported alongside depth of 8.5 feet in November 2003. Berths with electricity, gasoline, diesel fuel, pump-out station, water, ice, a launching ramp and some marine supplies are available; engine repairs can be made.

(DB 4441)      24/04

Page 490—Paragraph 585, line 10; read:  
along the shore of Dodge Island. The ...  
(DB 4520)      24/04

Page 491—Paragraph 592, lines 6 to 13; read:  
controlling depth from Bear Cut to the basin was 6 feet in February 2003; thence in February 2004, 5 feet was reported in the basin. The basin is used by party fishing boats. Gasoline, diesel fuel, water, ice electricity, limited berthage, a pump-out station, a launch ramp, and some marine supplies are available. The highway bridge over Bear Cut has a 48-foot ...  
(DB 4538)      24/04

Page 491—Paragraph 593, lines 5 to 7; read:  
controlling depth of 4 1/2 feet in 1983.  
(DB 4981)      24/04

**COAST PILOT 7      36 Ed 2004      Change No. 11  
LAST NM 23/04**

Page 54—Paragraph 146, line 1; read:  
**Subpart H-Gulf of the Farallones National Marine Sanctuary**

**§922.80 Boundary.**

(a) The Gulf of the Farallones National Marine ...  
(15 CFR 922)      24/04

Page 277—Paragraph 484, line 5; read:  
heavy weather.

**Dangers**

A naval restricted area is in Port Hueneme. (See **334.1 through 334.6 and 334.1127**, chapter 2, for limits and regulations.)

(CL 560/04)      24/04

Page 277—Paragraph 486, line 8; read:  
Hueneme Pilots Association, telephone 805-986-3213.  
(CL 533/04)      24/04

Page 379—Paragraph 119, line 8; read:  
approximately 3,500 feet and a 43-foot high lighthouse (unlit) which can be observed offshore during the day are on the point.

(CL 334/01; NOS 18620)      24/04

**COAST PILOT 7 (Continued)**

Page 380—Paragraph 145, lines 3 to 4; read:

slope of the cape.

(CL 334/01; NOS 18620)

24/04

Page 477—Paragraph 135, lines 1 to 2; read:

The Makah Indian T-head pier with a 300-foot face, and  
the ruins ...

(LL/04; NOS 18484)

24/04

Page 500—Paragraph 418, lines 2 to 4; read:

and Padilla Bays. The two long Tesoro and Shell Refinery  
piers extend N to deep water from the N end of the point.  
The W pier, owned by Shell Oil, has ...

(CL 230/04)

24/04

Page 500—Paragraph 418, lines 10 to 11; read:

and depths of 45 feet reported alongside.

The Tesoro Pier, 0.5 mile E of the Shell Pier, has a 3,466-  
foot approach ...

(CL 230/04)

24/04

Page 500—Paragraph 419, line 1; read:

About 200 yards from the Tesoro Pier, when making ...

(CL 230/04)

24/04

Page 505—Paragraph 482, lines 6 to 7; read:

resorts are along the shore. A mooring basin and private  
marina are on the N side of the bay; the basin entrance is  
marked by lights and daybeacons.

(17/04 CG13; Internet/04)

24/04

Page 555—Paragraph 422, line 1; read:

A **132°05' - 312°05' measured nautical mile** is along the  
SW shore of the bay about midway between Ruston and  
Tacoma.

A fishing reef, marked by private buoys, is along the ...

(CL 1263/03; NOS 18474; CP7-382/97)

24/04

Page 603—Paragraph 509, lines 3 to 5; read:

high cliff **Molokai Light** (21°12'34"N., 156°58'11"W.), 213  
feet above the water, is shown from a 138-foot white tower  
on the outer part of the peninsula.

(16/04 CG14)

24/04

Page 662—Paragraph 384, line 2; read:

entrance; 18725.

Commencement Bay, on the SW shore between Ruston  
and Tacoma; 18474.

(CL 1263/03; NOS 18474)

24/04

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*10129	DERBY WHARF LIGHT	42 30 59 N 70 53 01 W	Fl R 6s	25	4	White square tower.	Maintained by the U.S. Park Service.  24/04
	<b>*Delete Heading: *Salem Channel</b>						
10135	Forest River Rock Daybeacon 2						Remove from list.  * 24/04
	<b>*Add Heading: *Salem Channel</b>						
*10135.1	- Daybeacon 2	42 30 48 N 70 52 46 W			TR on pile.		Private aid.  24/04
*10136	- Daybeacon 1	42 30 44 N 70 50 44 W			SG on pile.		 24/04
*10136.1	- Daybeacon 4	42 30 45 N 70 52 51 W			TR on pile.		Private aid.  24/04
*10136.2	- Daybeacon 3	42 30 43 N 70 52 49 W			SG on pile.		Private aid.  24/04
*10137	- Daybeacon 6	42 30 43 N 70 52 56 W			TR on pile.		Private aid.  24/04
*10137.2	- Daybeacon 5	42 30 41 N 70 52 54 W			SG on pile.		Private aid.  24/04
*10138	- Daybeacon 7	42 30 39 N 70 52 59 W			SG on pile.		Private aid.  24/04
*10138.1	- Daybeacon 8	42 30 41 N 70 53 01 W			TR on pile.		Private aid.  24/04
*10139	- Daybeacon 9	42 30 36 N 70 53 06 W			SG on pile.		Private aid.  24/04
*10139.1	- Daybeacon 10	42 30 38 N 70 53 06 W			TR on pile.		Private aid.  24/04
10140	DERBY WHARF LIGHT						Remove from list.  * 24/04

**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 I LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*10143	Forest River Rock Daybeacon 2	42 30 14 N 70 52 50 W				TR on spindle.	
							24/04
*18084	East Passage Wreck Lighted Buoy WR21		Q G		3	Green.	
							24/04
*19078	- Speed Buoy 1					White and orange.	Private aid.
							24/04
*19079	- Speed Buoy 2					White and orange.	Private aid.
							24/04
19095	Whale Rock Daybeacon						Remove from list.
							*
							24/04
21215 24075	NEW HAVEN LIGHT	41 13 16 N 72 56 32 W	Fl W 4s	35	7	NG on skeleton tower.	
		*					24/04
22065	ICE HOUSE LIGHT 15	41 25 04 N 72 05 34 W	Fl G 2.5s	18	4	SG on pipe tower on concrete base.	
		*				*	24/04
22075	BARTLETT POINT LIGHT 9	41 25 34 N 72 05 55 W	Fl G 4s	20	4	SG on pipe tower on concrete base.	
	*	*				*	24/04
23040	- LIGHT 70	41 32 05 N 72 33 00 W	Fl R 4s	31	8	TR on skeleton tower.	Higher intensity beam up and down river.
		*					24/04
23095	STRAITS HILL LIGHT	41 33 49 N 72 36 15 W	Q W	23	7	NR on skeleton tower.	Higher intensity beam up river.
		*					24/04
23135	- LIGHT 94	41 34 43 N 72 38 41 W	Fl R 4s	40	4	TR on pipe tower on concrete base.	
		*				*	24/04
23970	BIG MERMAID LIGHT 7	41 15 23 N 72 49 41 W	Fl G 4s	28	5	SG on skeleton tower.	Higher intensity beam up and down channel.
		*					24/04
24075 21215	NEW HAVEN LIGHT	41 13 16 N 72 56 32 W	Fl W 4s	35	7	NG on skeleton tower.	
		*					24/04
24785	- LIGHT 7	41 07 19 N 73 17 14 W	Fl G 4s	32	4	SG on skeleton tower.	
		*					24/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
24935	GRASSY HAMMOCK LIGHT 8 On rocks.	41 04 36 N 73 23 01 W	Fl R 4s	26	5	TR on skeleton tower.	
		*					24/04
25060	FITCH POINT LIGHT 1 On point of shoal.	41 05 31 N 72 24 20 W	Fl G 2.5s	29	4	SG on skeleton tower.	
		*					24/04
25230	- RANGE FRONT LIGHT	41 01 49 N 73 32 15 W	Q W	27		KRW on skeleton tower.	Visible all around.
		*					24/04
25285	Flint Rocks Daybeacon	41 01 47 N 73 32 24 W				NG on skeleton tower.	
		*					24/04

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4857	- Buoy 9A					Green can.	
		*					24/04
4860	- LIGHT 11	38 21 46 N 75 05 16 W	Q G	15	3	SG on pile.	
		*	*			*	24/04
4861	- Buoy 11A.					Green can.	
		*				*	24/04
4865	- Warning Daybeacon D	38 21 54 N 75 05 20 W				NW on pile.	
		*				*	24/04
*4866	- Buoy 12					Red nun.	
							24/04
5531	- Warning Daybeacon A					NW on pile.	
		*				*	24/04
*5533	- Buoy 2B					Red nun.	
							24/04
5535	- LIGHT 3		Fl G 4s	15	4	SG on multi-pile structure.	
							24/04
19326.1	- Middle Marshes Daybeacon 3						Remove from list.
							*
							24/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
24590	- CHANNEL LIGHT 3	38 21 04 N 76 15 40 W	Fl G 4s	15	4	SG on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.  *
					*		24/04
24955	LA TRAPPE CREEK LIGHT 1	38 37 27 N 76 07 17 W	Fl G 4s	21	4	SG on black cylindrical structure.	 *
							24/04
*28337	- Buoy 8A					Red nun.	
							24/04
29070.1	- Daybeacon 10B					TR on pile.	
					*		24/04
29070.2	- Buoy 10C						Remove from list. *
							24/04
29326.1	- Middle Marshes Daybeacon 3					SG on pile.	
		*				*	24/04
32590	- WARNING LIGHT S	35 10 23 N 76 24 40 W	Fl W 4s	15	5	NW on multi-pile structure worded DANGER BOMBING RANGE.	 *
							24/04
32620	- WARNING LIGHT Y		Fl W 6s	15	5	NW on multi-pile structure worded DANGER BOMBING RANGE.	 *
							24/04
34266	- LIGHT 5		Fl G 4s	15	4	SG on pile.	
		*		*	*	*	24/04

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7890	SHANDS PIER LIGHTS		Fl W 4s	16		On pier.	Private aids.  *
				*			24/04
	Riviera Dunes Channel						
22081	- Daybeacon 1	27 30 31 N 82 33 11 W				NW on pile worded DANGER.	Private aid.  *
							24/04
22082	- Daybeacon 2					NW on pile worded DANGER.	Private aid.  *
							24/04
22083	- Daybeacon 3					NW on pile worded DANGER.	Private aid.  *
							24/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22084	- Daybeacon 4				NW on pile worded DANGER.	Private aid.	*
							24/04
22750	- LOWER RANGE REAR LIGHT 1,166 yards, 197.9° from front light.		Iso R 6s	55	KRW on pile.	Visible all around; higher intensity on rangeline.	*
							24/04
38450	- Buoy 19B				Green can with yellow square.		*
							24/04
*40733	- Buoy 37A				Green can with yellow square.		*
							24/04
51240	- Daybeacon 13				SG-SY on pile.		*
							24/04

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
835	<i>Hunt-100-2 Lighted Buoy</i> Marks Subsea Installation.	28 25 30 N 91 54 34 W		10		White with orange bands.	SIGN: HUNT-SMI-109-1 Private aid.
		*	*	*			*
							24/04
940	<i>NOAA Data Buoy 42038</i> (ODAS)	27 25 12 N 92 34 31 W	Fl (4) Y 20s	4	Yellow disc buoy with mast.	Maintained by National Oceanic and Atmospheric Administration.	*
		*	*	*	*	*	*
							24/04
1370	<i>Texas Artificial Fishing Reef Lighted Buoy</i> Marks old platform and Liberty Ship					Remove from list.	*
							24/04

\*Delete Heading:  
\*14 Mile R/R Bridge Mooring Dolphin

5521	- LIGHT A					Remove from list.	*
							24/04
5522	- LIGHT B					Remove from list.	*
							24/04
5523	- LIGHT C					Remove from list.	*
							24/04
5524	- LIGHT D					Remove from list.	*
							24/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>*Delete Heading: *Mobile River</b>							
5525	TOMBIGBEE-ALABAMA RIVER JUNCTION LIGHT LDB mile 45.1		Fl (2+1) R 6s		5	JR on skeleton tower on piles.	Ra ref.
							24/04
12700	- RANGE B REAR LIGHT 732 yards, 042.8° from front light.		Iso W 6s	41		KRW on skeleton tower on piles.	
	*						24/04
32475	BAYOU ALOE JUNCTION LIGHT	30 16 43 N 88 09 18 W	Fl (2+1) G 6s	17	3	JG-SY on pile.	Ra ref.
	*						24/04
40005	- South Entrance Buoy 1S	26 21 32 N 97 19 31 W				Green can.	
	*						24/04

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
360	San Francisco Approach Lighted Horn Buoy SF	37 45 00 N 122 41 34 W	Mo (A) W		6	Red and white stripes with spherical top mark.	RACON: M (- -). Equipped with Fl 2.5s strobe. HORN: 1 blast ev 30s (2s bl). Operates continuously
	*	*			*		24/04
3972.4	- North Channel Buoy 5						Remove from list.
							*
3974.5	- Fairway Buoy E						Remove from list.
							*
3974.6	- Fairway Buoy F						Remove from list.
							*
*6214	- Buoy BP	33 03 40 N 118 13 39 W				Red and green bands.	
							24/04
*7771	Bodega Marine Laboratory Research Buoy	38 18 42 N 123 04 58 W	Fl Y 4s	7			Private aid.
							24/04
16345	Puget Sound Traffic Lane Entrance Lighted Buoy S	48 12 21 N 123 06 35 W	Fl Y 2.5s		6	Yellow.	RACON: Z (- - • •).
					*		24/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16525	<i>Double Bluff Lighted Buoy 1</i>	47 57 58 N 122 33 16 W	Fl G 4s	5	Green.	*	24/04
16530	<i>Puget Sound Traffic Lane Separation Lighted Buoy SD</i>	47 57 52 N 122 34 47 W	Fl Y 2.5s	6	Yellow.	*	24/04
16540	<i>Puget Sound Traffic Lane Separation Lighted Buoy SE</i>	47 55 24 N 122 29 34 W	Fl Y 2.5s	6	Yellow.	RACON: T(–).	24/04
16745	<i>Puget Sound Traffic Lane Separation Lighted Buoy SF</i>	47 45 54 N 122 26 15 W	Fl Y 2.5s	6	Yellow.	RACON: G (– – •).	24/04
			*				
<b>PUGET SOUND - Seattle to Olympia (Chart 18448)</b>							
East Passage							
16920	<i>Puget Sound Traffic Lane Separation Lighted Buoy T</i>	47 34 33 N 122 27 04 W	Fl Y 2.5s	6	Yellow.	*	24/04
17270	<i>EAGLE ISLAND LIGHT 1</i>	47 11 20 N 122 41 45 W	Fl G 4s	18	5 SG on skeleton tower.	*	24/04
17564	- <i>Lighted Buoy 1</i>	48 04 59 N 122 44 54 W	Fl G 2.5s	3	Green can.	*	24/04
18015	- <i>Sand Spit Lighted Buoy 5</i>	47 37 15 N 122 30 14 W	Fl G 4s	4	Green.	*	24/04
18040	<i>Orchard Rocks Lighted Buoy 6</i>	47 34 27 N 122 32 02 W	Fl R 2.5s	5	Red.	*	24/04
18970	- <i>Lighted Buoy 4</i>	48 31 10 N 122 39 11 W	Fl R 4s	5	Red.	*	24/04
19325	<i>DAVIDSON ROCK LIGHT 1</i>	48 24 48 N 122 48 43 W	Fl G 4s	15	5 SG on platform.	Higher intensity beam toward Burrows Island Light.	24/04
19375	<i>Mud Bay Daybeacon On reef.</i>	48 27 35 N 122 49 59 W			NR on spindle.		24/04
		*		*			

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19405	FAUNTLEROY POINT LIGHT	48 31 28 N 122 47 19 W	Fl W 4s	37	7	NB on skeleton tower.	
		*					24/04
19425	LEO REEF LIGHT	48 33 11 N 122 51 15 W	Fl W 4s	15	6	NB on black pyramidal base.	
		*		*	*		24/04
19430	<i>Blakely Island Shoal Isolated Danger Lighted Buoy DS</i>	48 34 08 N 122 50 41 W	Fl (2) W 5s	6	Black and red bands with two black spherical topmarks.		
				*			24/04
19455	BLACK ROCK LIGHT 9	48 32 45 N 122 45 57 W	Fl G 4s	10	4	SG on skeleton tower.	
		*					24/04
19470	OBSTRUCTION PASS LIGHT	48 35 51 N 122 48 16 W	Fl W 4s	23	6	NR on white house.	
		*		*			24/04
19485	<i>Buckeye Shoal Lighted Bell Buoy 14 Marks shoal west of Sinclair Island.</i>	48 37 27 N 122 43 47 W	Fl R 6s	5	Red.		
		*					24/04
19490	PEAPOD ROCKS LIGHT 15	48 38 32 N 122 44 37 W	Fl G 4s	35	5	SG on white octagonal house.	
		*					24/04
19525	VILLAGE POINT LIGHT 18	48 43 00 N 122 43 07 W	Fl R 4s	24	5	TR on skeleton tower.	Higher intensity beam towards Rosario Strait and Boundary Bay. Obscured from 180° to 264°.
		*					24/04
19530	PUFFIN ISLAND SHOAL LIGHT 19	48 44 36 N 122 49 00 W	Fl G 4s	20	5	SG on house on cylindrical structure.	
		*					24/04
	<b>Fisherman Bay</b>						
19560	- SECTOR LIGHT	48 31 29 N 122 55 09 W	Fl W 4s (R sector)	15	6	NR on pile structure.	Red from 150° to 076°.
				*			24/04
19675	GREEN POINT LIGHT	48 37 59 N 123 06 23 W	Fl W 4s	20	6	NB on skeleton tower.	
		*					24/04
19720	KELLETT BLUFF LIGHT	48 35 17 N 123 12 05 W	Fl W 4s	80	7	NB on house.	
		*					24/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19840	PARKER REEF LIGHT <i>Gong Buoy A</i>	48 43 33 N 122 53 40 W	Fl W 4s	15	5	NR on pile structure.	Ra ref. 24/04
		*					
19910	Alden Bank Lighted <i>Gong Buoy A</i>	48 50 23 N 122 52 14 W	Fl (2+1) R 6s		5	Red and green bands.	 24/04
		*					
	<b>Kaneohe Bay</b>						
28680	- Entrance Channel Approach Lighted <i>Buoy K</i>	21 31 07 N 157 48 14 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	 24/04
		*					
28685	- Channel Lighted <i>Buoy 2</i>	21 30 53 N 157 48 40 W	Fl R 4s		4	Red.	 24/04
		*					
28690	- Channel Buoy 3	21 30 35 N 157 48 58 W				Green can.	 24/04
		*					
28710	- ENTRANCE AND KUALOA POINT RANGE FRONT LIGHT	21 29 44 N 157 49 58 W	Q R	22		KRW on multi-pile structure.	Visible all around with higher intensity beam on rangeline.  24/04
		*					

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4160	- Main Entrance Light	41 30 32 N 81 43 04 W	AI WR 10s 0.1s W fl 0.1s R fl 4.9s ec.	63 19	W 16	White conical tower with fog signal building attached.	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates from Apr. 1 to Dec. 1.  24/04
		*					
4215	- LIGHT 1	41 29 48 N 81 43 42 W	Q G	31 9	5	SG on post.	Light visible from 255° to 200°.  24/04
		*					
4250	ROCKY RIVER BREAKWATER LIGHT	41 29 24 N 81 50 11 W	Fl Y 4s	28 9	6	NY on post.	 24/04
		*					
	<b>LORAIN HARBOR (Chart 14841)</b>						
	<b>Lorain Harbor</b>						
4320	- LIGHT	41 28 54 N 82 11 42 W	Fl W 6s	60 18	21	On tower.	HORN: 1 blast ev 30s (3s bl-27s si). Operates from Apr. 15 to Nov. 15.  24/04
		*					

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4390	LAKEVIEW PARK WEST LIGHT	41 27 48 N 82 11 54 W	Fl Y 2.5s	30 9	4	NY on post.	*
							24/04
4395	LAKEVIEW PARK EAST LIGHT	41 27 54 N 82 11 42 W	Fl Y 4s	30 9	4	NY on post.	*
							24/04
<b>Vermilion</b>							
4430	- DETACHED BREAKWATER LIGHT A		Q W	25 8	4	NB on post.	*
			*			*	24/04
4435	- DETACHED BREAKWATER LIGHT B		Fl W 6s	30 9	4	NB on post.	*
						*	24/04
4440	- DETACHED BREAKWATER LIGHT C		Q W	25 8	4	NB on post.	*
			*			*	24/04
4445	- EAST PIERHEAD LIGHT 1		Fl G 4s	22 7	4	SG on post.	*
						*	24/04
<b>SANDUSKY HARBOR (Chart 14845)</b>							
<b>Sandusky Harbor</b>							
4560	- Breakwater Light	41 30 00 N 82 40 30 W	Oc W 4s	30 9	16	White cylindrical tower with green band.	HORN: 1 blast ev 30s (3s bl-27s si). Operates from Apr. 1 to Dec. 1. Standby horn of reduced intensity
							*
							24/04
4685	- LIGHT 21		Fl G 4s	19 6	6	SG on pile.	*
			*				24/04
5085	SQUAW ISLAND LIGHT 12		Fl R 4s	25 8	6	TR on post.	*
							24/04
<b>West Harbor</b>							
<i>Buoys maintained from May 1 to Oct. 28.</i>							
5380	- ENTRANCE CHANNEL LIGHT 1	41 34 06 N 82 48 30 W	Fl G 4s	31 9	5	SG on post.	*
							24/04
5535	GREEN ISLAND LIGHT	41 38 42 N 82 52 06 W	Fl W 2.5s	80 24	8	NR on skeleton tower.	Light obscured by woods from 238° to 273°.
						*	24/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6001	WARD CANAL WEST JETTY LIGHT 2		Fl R 4s	28 9	7	SG on post.	*
							24/04
12305	- Lighted Buoy 10		Q R		4	Red.	
		*	*	*	*	*	24/04
12340	- Lighted Buoy 5	45 57 24 N 84 21 12 W	Fl G 2.5s		4	Green.	
		*	*	*	*	*	24/04
12355	- Lighted Buoy 10		Q R		4	Red.	
		*	*	*	*	*	24/04
<b>*Delete Note:</b>							
<b>Mackinac Bay Passage</b>							
*Buoys maintained from May 14 to Oct. 21.							
12410	- Lighted Buoy 10		Fl R 2.5s		4	Red.	
		*	*	*	*	*	24/04
12520	- Lighted Buoy 33		Q G		4	Green.	
		*	*	*	*	*	24/04
21385	- Channel Buoy 11	45 20 25 N 86 56 09 W				Green can.	
		*					24/04

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## SECTION II

### CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18992	-Honorio Bicalho.						Remove from list.

\*

24/04

### 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
10257 K 3034	-Range, front.	21° 06.4' S 149° 13.5' E	F.Bu.	20 6			F.W. by day on request.
		*					24/04
10257.1 K 3034.1	--Rear, 156 meters 261°36' from front.	21° 06.4' S 149° 13.4' E	F.Bu.	69 21			F.W. by day on request.
		*	*				24/04

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4536 F 6514.2	Yotsukura Ko Oki, S. detached breakwater.	37° 06.5' N 141° 00.1' E	Fl.(2)G. period 6s	34 10	7	White round concrete structure; 25.	
		*			*		24/04
4540 F 6514.1	-S. breakwater, head.	37° 06.3' N 140° 59.8' E	Iso.G. period 4s	43 13	5	White round concrete structure; 31.	
		*			*		24/04
4542 F 6514.3	-Detached breakwater, S. head.	37° 06.5' N 141° 00.2' E	Fl.(2)R. period 6s	43 13	5	Red tower; 30.	
		*			*		24/04
4544 F 6514	Yotukura, S. outer breakwater.	37° 06.1' N 140° 59.9' E	Fl.R. period 5s	43 13	9	Red round concrete tower; 28.	
		*			*		24/04
4548 F 6514.15	-S. inner breakwater.	37° 06.2' N 140° 59.8' E	Fl.G. period 3s	46 14	4	White round concrete tower; 36.	
		*			*		24/04
7972 F 5806	-Torikai Ko, breakwater.	34° 22.4' N 134° 44.8' E	Iso.G. period 4s	39 12	8	White tower; 31.	
		*			*		24/04

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
812 <i>D 1074</i>	Piriac-sur-Mer, jetty, head.	47° 22.9' N 2° 32.7' W	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	26 <b>8</b>	W. 10 R. 7 G. 7	White column; 26.	R. 066°-148°, G.-194°, W.-201°, R.-221°, obsc.-066°. <b>Siren:</b> (0.2 mile SW) 1 bl. ev. 120s. Occas. (bl. 5s, si. 115s).
						*	24/04
862 <i>D 1091</i>	-Basso Hergo.	47° 18.7' N 2° 31.6' W	Fl.G. period 2.5s fl. 0.5s, ec. 2s	16 <b>5</b>	2	STARBOARD (A) G, tower beacon, topmark; 39.	<b>Radar reflector.</b>
					*		24/04
1140 <i>D 1183</i>	-Quai du Canada Range, front.	46° 43.7' N 2° 20.9' W	Q.R.	36 <b>11</b>	6	Pylon; 30.	Visible 169°-269°.
					*		24/04
1228 <i>D 1213.6</i>	-NE. Buoy.	46° 12.7' N 2° 25.0' W	Iso.G. period 4s	26 <b>8</b>	3	STARBOARD (A) G, pillar.	<b>Radar reflector.</b>
				*	*		24/04
1232 <i>D 1213.2</i>	-SW. Buoy.	46° 10.1' N 2° 27.0' W	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	30 <b>9</b>	3	PORT (A) R, pillar.	<b>Radar reflector.</b>
				*	*	*	24/04
15956 <i>E 4267</i>	-Nisis Nea Kaimeni.	36° 23.9' N 25° 24.2' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	26 <b>8</b>	5	White round hut, metal framework; 16.	
				*	*	*	24/04
22528 <i>E 6664</i>	--Mole de la Liberation.	35° 56.2' N 0° 04.6' E	Fl.G. period 4s	36 <b>11</b>	6	White column; 29.	
				*	*	*	24/04
22536 <i>E 6661</i>	--Jetee Nord, spur, head.	35° 56.2' N 0° 04.5' E	Oc.(2)R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	36 <b>11</b>	7	White round tower; 23.	Visible 248°-073°.
				*	*	*	24/04
22628 <i>E 6695</i>	-Ibn-Tofail, NE. corner.	35° 42.6' N 0° 39.1' W	Oc.W. period 4s lt. 3s, ec. 1s	30 <b>9</b>	10	Red column; 23.	Visible 063°-333°.
				*			24/04
22660 <i>E 6704.42</i>	--Spur, head.	35° 43.6' N 0° 40.8' W	Fl.G. period 4s fl. 1s, ec. 3s	16 <b>5</b>	3	White pylon, green top; 10.	
				*			24/04
22664 <i>E 6704.5</i>	-E. jetty, head.	35° 43.5' N 0° 40.6' W	Fl.R. period 4s fl. 1s, ec. 3s	46 <b>14</b>	12	White pylon, red top; 39.	
				*			24/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22684 <b>Iles Habibas.</b> <i>E 6714</i>		35° 43.3' N 1° 07.9' W	<b>Fl.W.</b> period 5s fl. 0.6s, ec. 4.4s	367 112	<b>26</b>	Red square tower on dwelling; 39.	*
							24/04
22721 <b>Ras Kebdana, N. breakwater.</b> <i>E 6757.2</i>		35° 08.9' N 2° 24.9' W	<b>Iso.G.</b> period 6s	39 12	10	White tower; 23.	*
							24/04
22722 <b>-E. breakwater.</b> <i>E 6757.25</i>		35° 08.9' N 2° 25.3' W	<b>Iso.R.</b> period 6s	43 13	10	White tower; 23.	*
							24/04
22784 <b>Cap Quilates (Ras Tarf), Punta</b> <i>E 6784</i> <b>Barbazun, cape, NE. side.</b>		35° 17.0' N 3° 40.8' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	203 62	8	Yellow octagonal three-story tower; 105.	Aeromarine light.
					*		24/04
22822 <b>Oued Laou.</b> <i>E 6789.5</i>		35° 28.3' N 5° 06.5' W	<b>Oc.(2)W.</b> period 6s lt. 2.4s, ec. 1.6s lt. 0.4s, ec. 1.6s	492 150	18	White round tower.	*
		*	*	*	*	*	24/04

### CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*350 <b>-Fairway, 159°.</b> <i>A 0246.5</i>		50° 23.8' N 3° 30.6' W	<b>Dir.Iso.W.R.G.</b> period 5s	13 4	6	Lantern box on metal column; 10.	G.145°-157°, W.-161°, R.-173°.
							24/04
596 <b>-Hurst Point.</b> <i>A 0538.1</i>		50° 42.4' N 1° 33.1' W	<b>Fl.(4)W.R.</b> period 15s	76 23	W. 13 R. 11	White round tower; 85.	W. 080°-104°, W. (intensified) 234°-244°, R.-250°, W. (intensified)-053°.
			<b>Dir.Iso.W.R.G.</b> period 4s	62 19	W. 21 R. 18 G. 17		G. 038°48'-040°48', W.- 041°48', R.-043°48'.
			<b>By day.</b>		W. 7 R. 5 G. 5		
			*	*	*		*
3268 <b>Papa Stronsay, NE., head.</b> <i>A 3706</i>		59° 09.3' N 2° 34.8' W	<b>Fl.(4)W.</b> period 20s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 13.6s	27 8	9	White metal framework tower; 16.	
			*	*			24/04

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

## SECTION II

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
682 <i>B 2495</i>	-Hollenderbaen.	59° 09.6' N 10° 37.5' E	Oc.(3)W.R.G. period 10s	61 <b>19</b> G. 9	W. 12 R. 10 G. 9	Lantern on column; 95.	W. 317°-008°, R.-020°, G.-035°, W.-037°, R.-105°, G.-156°, W.-170°, R.-199°, G.-230°, W.-239°, R.-274°, G.-279°, W.-285°, R.-291°, W.-301°, G.-317°.
-RACON			O(-- --) period 30s		14		(3 & 10 cm)
	*				*	*	*
							24/04

**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

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 24/04

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

NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.
<b>NGA HYDRO CATALOG CATP2V01U</b> Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,50,51,52/03;1,2, 3,5,6,8,9,10,11,12, 13,14,15,16,17,18, 19,20,21,22,23, 24/04	SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23,29,30,31,41, 42,44,45,52/03;5,9, 12,14,15/04	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02; 26,27,29,32,37,38, 43,47/03
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30,32, 33,34,44,48,52/03;2, 3,5,7,10,11,14,15, 20,22,24/04	SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02;24,25, 27,28,32,38,42/03	SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17,21, 24,42,44,47,48,49, 51/03;19,21/04
Region 3	2002	1/03*:19,23,24/04	SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02;24,25,27,28, 29,30,32,35,36,37, 39,44,48/03	SDPUB181	2002	38*,39/02
Region 4	2002	1*,23,43/03	SDPUB126	2002	39*,41,42,43,44,45, 48/02;24,26,27,28, 30,32,41/03;12,16, 23,24/04	SDPUB182	2001	8*,10,12,41/02; 17/03
Region 5	2002	1*,3,5,8,22,27,30, 33,38,48/03;1,9,10, 14,20/04	SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19,	SDPUB183	2001	27/01*;13,15,16/02; 18/03
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28,30,33, 38,50/03;11/04	SDPUB140	2001	21,22,23,24,25,26, 31,32,34,37,42, 43/03	SDPUB193	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23,29/03;6/04
Region 7	2002	1*,11,15,28/03	SDPUB141	2001	48/01*,23,24/02;22, 42,43,45,48,50, 52/03;5,13,14,22/04	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32, 33,41,43,46,49/03;1, 12,23/04
Region 8	2002	1*,14,37,41,46, 52/03	SDPUB141	2001	21*,38/01	SDPUB200	2002	38*,39,42/02;22,27, 34,41,51,52/03
Region 9	2002	1*,34,40,43,45,48, 50,51,52/03;1,7,11, 14,15,21/04	SDPUB147	2001	35/01*:21,22,23, 24/02;39,40,41,46, 50/03;10,12,15, 19/04	<b>USCG LIGHT LIST VOLUMES I - VII</b>		
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32,33,34, 36,37,38,39,41,42, 43,45,46,47,48,49, 51,52/03;1,4,5,6,7,9, 10,11,13,14,16,17, 18,19,20,21,22,23, 24/04	SDPUB148	2001	48/01*,23,24/02;22, 42,43,45,48,50, 52/03;5,13,14,22/04	COMDTM165021	2004	22*,23,24/04
<b>NGA LIST OF LIGHTS</b>			SDPUB153	2000	6/01*,28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15,22,25,32, 35,37,38,39,40, 43/03	COMDTM165022	2004	23*,24/04
LLPUB110	2004	10*,14,15,19,21,22, 23,24/04	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30,41,42,47/03; 10,12,13,16,19, 20/04	COMDTM165023	2004	23*,24/04
LLPUB111	2003	33*,34,35,36,37,38, 39,40,41,43,45,47, 49,50,51,52/03;1,2, 3,4,7,8,9,10,11,12, 13,14,15,17,18,19, 21,22,24/04	SDPUB155	2001	31*,48/01;10,45, 46/02	COMDTM165024	2004	23*,24/04
LLPUB112	2004	7*,9,10,11,12,14,15, 16,17,18,19,20,21, 22,23,24/04	SDPUB159	2002	42*,48/02;10,13, 15/04	COMDTM165025	2004	22/04*
LLPUB113	2003	46*,48,49,50,51, 52/03;1,2,3,4,5,6,7, 8,9,10,11,12,13,14, 15,16,17,18,19,20, 21,22,23,24/04	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19,21,22,23, 30,33,36,39,41,43, 48,49,51/03;1,2,5,6,6, 11/04	COMDTM165026	2004	22*,23,24/04
LLPUB114	2004	18*,21,22,23,24/04	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03;10,14/04	COMDTM165027	2004	22*,23,24/04
LLPUB115	2003	42*,44,46,47,48,49, 51,52/03;1,3,5,7,10, 12,13,14,15,16,17, 20,22,23,24/04	SDPUB162	2001	51/01*,5,12/03; 12/04	<b>FLEET GUIDES</b>		
LLPUB116	2004	23/04*	SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31,39,40, 41,43,47,48/03;12, 16,23,24/04	CDFUBFGPAC	2004	N17/04*
<b>SAILING DIRECTIONS</b>			SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31,39,40, 41,43,47,48/03;12, 16,23,24/04	FGPUB940ATL	2001	N47/01*
CDPUBSD125	2003	19*,43,49,51,52/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26,41/03	<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
CDPUBSD127	2003	39/03*	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22,23, 25,26,27,28,29,31, 32,33,34,35,37,38, 39,40,43,44,45,46, 47,48,51/03;1,2,3,4, 5,8,9,12,13,14,17, 19,20,21,22,24/04	NOSPBCATALOG2	2000	34/00*
CDPUBSD131	2002	9/03*	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27,32,33,34, 37,38,49,50,51/03; 13,16,17/04	NOSPBCATALOG3	2000	28/00*
CDPUBSD132	2003	6/04*	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02; 30,39,40,41,43/03; 6/04	NOSPBCATALOG4	2000	34/00*
CDPUBSD142	2004	24/04*				NOSPBCATALOGA	2003	19/04*
CDPUBSD143	2003	46/03*				NOSPBCATALOGG	2003	19/04*
CDPUBSD145	2003	51/03*				<b>ALMANACS</b>		
CDPUBSD146	2002	4/03*				AIRALMANAC401	2004	29/03*
CDPUBSD157	2003	17/03*				NAUTALMANAC04	2004	29/03*
CDPUBSD158	2003	24/03*				<b>COAST PILOT</b>		
CDPUBSD164	2003	16/04*				NOSPBCP1	34	18*,21,24/04
CDPUBSD191	2003	52/03*				NOSPBCP2	33	5*,6,9,20/04
CDPUBSD192	2003	32*,36,38,39,40,41, 42,43/03				NOSPBCP3	37	14*,18,21/04
CDPUBSD194	2002	6*,8,15,17,30,33,35, 37,38,39,40/03				NOSPBCP4	35	34*,36,39,42,44,46, 47,51/03;6,7,8,9,11, 12,19,20,21,24/04
						NOSPBCP5	31	51*,52/03;1,7,8,9, 10,12,13,15,17, 18/04
						NOSPBCP6	34	13*,18,19/04
						NOSPBCP7	36	18*,19,20,21,23, 24/04
						NOSPBCP8	25	32*,33,34,39,42,48, 51/03;1,7,8,10,17, 18,20,21,22,23/04
						NOSPBCP9	21	30*,32,33,36,39,42, 48,51/03;8,18,19,20, 23/04
						<b>RADIO NAVIGATIONAL AIDS</b>		
						RAPUB117	2002	50/02*;13/03
						<b>AMERICAN PRACTICAL NAVIGATOR</b>		
						NVPUB9	2002	36/02*;14,38/03
						<b>INTERNATIONAL CODE OF SIGNALS</b>		
						CDPUBNV102	2003	20/03*

## SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 24/04**

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

NGA Reference No.	Ed.	Notice to Mariners No.		
<b>WORLD PORT INDEX</b> 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		
<b>DISTANCES BETWEEN PORTS</b> NVPUB151	2001	4/02*		
<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b> CDPUBNV1310	2001	51/01*		
<b>SIGHT REDUCTION TABLES (MARINE)</b> SRPUB229V1 SRPUB229V2 SRPUB229V3 SRPUB229V4 SRPUB229V5 SRPUB229V6	1970 1970 1970 1970 1970 1970	11/71* 11/71* 7/71* 3/71* 3/71* 23/70*		
<b>SIGHT REDUCTION TABLES (AIR)</b> SRPUB249V1 SRPUB249V2 SRPUB249V3	2000 1952 1952	4/01* 46/52* 46/52*		
<b>CHART NO. 1</b> WOBZC1	1997	18/98*		
<b>CHART NO. 4</b> WOBZC4	1988	N23/91*		
<b>ATLAS OF PILOT CHARTS</b> NVPUB106 NVPUB107 NVPUB109	2002 1998 2001	42/03* 30/99* 49/02*		
<b>USCG NAVIGATION RULES</b> COMDTM166722D	1999	44/99*,52/00;16/04		
<b>NOS TIDE TABLES</b> NOSPBTTCWPACIN4 NOSPBTTECSTNSA4 NOSPBTTEURAFR4 NOSPBTWCSTNSA4	2004 2004 2004 2004	N1/04* N1/04* N1/04* N1/04*		
<b>TIDAL CURRENT TABLES</b> NOSPBTCTATCSTN4 NOSPBTCTPACAS4	2004 2004	N1/04* N1/04*		

**BROADCAST WARNINGS**

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

**NAVAREA IV**

Messages in force 261200Z May 2004:

2003 series 108(26,27)	387(GEN) 2004 series	128(26) 149(11)	172(11,26) 173(GEN)	175(GEN) 176(24)
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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. Warnings issued during the subsequent quarter are issued in NM 13/04.

**NAVAREA IV WARNINGS issued from 201200Z to 261200Z May 2004.**

172/04(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
  - A. 0400Z TO 0359Z COMMENCING DAILY
 

24 THRU 30 MAY IN AREA BOUND BY  
30-45N 080-54W, 30-45N 080-11W,  
30-36N 080-11W, 30-33N 080-55W.
  - B. 0400Z TO 0359Z COMMENCING DAILY
 

24 THRU 30 MAY IN AREA BOUND BY  
30-45N 080-32W, 30-45N 079-40W,  
30-38N 079-40W, 30-34N 080-32W.
  - C. 0400Z TO 0359Z COMMENCING DAILY
 

24 THRU 30 MAY IN AREA BETWEEN  
29-20N 29-10N AND 079-50W 079-40W.
  - D. 1900Z TO 0500Z COMMENCING DAILY
 

25 THRU 27 MAY IN AREA BETWEEN  
30-00N 29-50N AND 080-50W 081-00W.
2. CANCEL THIS MSG 310459Z MAY.

(211710Z MAY 2004)

173/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 221000Z MAY 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 128(26), 149(11), 165(11,26), 171(11), 172(11,26).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.  
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/04.
3. CANCEL NAVAREA IV 111/04, 166/04, 167/04.

(221010Z MAY 2004)

174/04. CANCELED.

175/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 22 UNUSABLE 271700Z TO 280500Z MAY.
2. CANCEL THIS MSG 280600Z MAY.

(241420Z MAY 2004)

176/04(24). NORTH ATLANTIC. MISSILES.

1. HAZARDOUS OPERATIONS 261645Z MAY  
TO 040500Z JUN IN AREA BETWEEN  
09-50N 11-32N AND 039-22W 041-05W.
2. CANCEL THIS MSG 040600Z JUN.

(241800Z MAY 2004)

177/04. CANCELED.

### SECTION III HYDROLANTS

Messages in force 261200Z May 2004:

2001 series	1472(35)	2419(54)	673(51)	840(43)	882(53)
611(44)	1999(23)	2420(54)	687(51)	843(36)	883(53)
2700(37)	2203(53)	2004 series	696(36,37)	849(57)	886(35)
2002 series	2297(24)	164(53)	697(55)	850(24)	892(GEN)
245(GEN)	2374(35)	169(51,52)	700(53)	858(56)	893(52,53)
246(GEN)	2384(23,24)	224(24)	709(56)	859(23,24)	896(51)
2003 series	2406(54)	272(24)	724(53)	866(55)	897(55)
41(37)	2407(54)	505(52,53)	730(53)	867(53)	898(GEN)
67(37)	2408(54)	607(51)	732(53)	868(55)	899(37)
544(55)	2409(54)	628(53,56)	736(53)	869(55)	903(36,37)
604(26,27)	2410(54)	631(37)	754(57)	872(53)	904(37)
738(35)	2413(54)	643(57)	756(GEN)	873(53)	910(24)
1117(37)	2414(54)	649(55)	801(51,52)	878(24)	911(36)
1242(24)	2416(54)	650(55)	805(24)	879(GEN)	912(53)
1422(53)	2418(52)	668(56)	811(55)	881(35)	

The summary of all HYDROLANTS in force as of 11 December 2003 is given in Section III of NM 52/03.  
Warnings issued during the subsequent quarter are issued in NM 13/04.

#### **HYDROLANT WARNINGS issued from 201200Z to 261200Z May 2004.**

868/04(55). BLACK SEA.

1. GEOPHYSICAL OPERATIONS IN PROGRESS UNTIL 30 JUL BY CABLESHIP BIZON IN AREA BOUND BY  
30 JUL BY CABLESHIP BIZON IN AREA BOUND BY  
45-20.2N 037-10.0E, 45-30.0N 037-10.0E,  
45-30.0N 036-50.0E, 45-40.1N 036-55.0E,  
45-40.0N 037-20.0E, 45-50.0N 037-20.0E,  
45-50.0N 037-40.0E, 45-41.6N 037-40.0E.
2. CANCEL THIS MSG 31 JUL.

(201651Z MAY 2004)

869/04(55). BLACK SEA.

1. UNDERWATER OPERATIONS 250001Z MAY TO 300001Z SEP  
IN AREAS BETWEEN:  
A. 45-10.3N 45-10.1N AND 036-25.1E 036-24.9E.  
B. 45-20.0N 45-19.8N AND 036-29.9E 036-29.5E.
2. CANCEL THIS MSG 300101Z SEP.

(210225Z MAY 2004)

870/04 and 871/04. CANCELED.

872/04(53). EASTERN MEDITERRANEAN SEA.

CABLE OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY CABLESHIP ILE DE BATZ ALONG TRACKLINE JOINING  
35-54N 014-29E, 35-57N 014-34E, 36-00N 014-41E,  
36-04N 014-48E, 36-08N 015-01E, 36-16N 015-12E,  
36-23N 015-17E, 36-27N 015-20E, 36-32N 015-23E,  
36-35N 015-25E, 36-43N 015-33E, 37-00N 015-37E,  
37-08N 015-35E, 37-12N 015-34E, 37-20N 015-23E,  
37-24N 015-14E, 37-25N 015-09E, 37-27N 015-05E.  
WIDE BERTH REQUESTED.

(210710Z MAY 2004)

873/04(53). SARDEGNA-SOUTHWEST COAST. GUNNERY.

1. GUNNERY EXERCISES 0600Z TO 1800Z DAILY 22, 24 THRU 29  
AND 31 MAY IN AREA BOUND BY  
38-55-10N 008-42-30E, 38-50-00N 008-48-00E,  
38-46-15N 008-48-00E, 38-43-30N 008-41-15E,  
38-49-00N 008-26-00E, 38-56-10N 008-26-40E,  
38-57-00N 008-37-06E.
2. CANCEL THIS MSG 311900Z MAY.

(210720Z MAY 2004)

874/04 thru 877/04. CANCELED.

878/04(24). BRAZIL-EAST COAST.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 26 MAY  
BY M/V AMORIM DO VALE IN AREA BOUND BY  
10-32.0S 036-24.0W, 10-34.3S 036-24.0W,  
10-34.3S 036-20.0W, 10-30.0S 036-20.0W,  
10-30.0S 036-22.0W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 824/04.
3. CANCEL THIS MSG 27 MAY.

(220650Z MAY 2004)

## SECTION III

879/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 221000Z MAY 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 607(51), 628(53,56), 631(37), 643(57), 649(55), 650(55), 668(56), 673(51), 687(51), 696(36,37), 697(55), 700(53), 709(56), 724(53), 730(53), 732(53), 736(53), 754(57), 756(GEN), 758(53), 772(55), 801(51,52), 805(24), 811(55), 816(56), 840(43), 843(36), 849(57), 850(24), 853(52,53), 854(24), 855(24), 856(24), 858(56), 859(23,24), 865(24), 866(55), 867(53), 868(55), 869(55), 870(24), 871(51), 872(53), 873(53), 875(36), 876(56), 877(53), 878(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/04.
3. CANCEL HYDROLANT 577/04, 833/04, 837/04.

(221015Z MAY 2004)

880/04. CANCELED.

881/04(35). SHETLAND ISLANDS.

PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V SEAWAY FALCON VICINITY OF TRACKLINE BETWEEN  
60-41.5N 002-32.5W AND 60-36.8N 002-27.3W.

(221050Z MAY 2004)

882/04(53). TYRRHENIAN SEA. GUNNERY.

1. GUNNERY EXERCISES 240700Z TO 241400Z MAY, ALTERNATE 0700Z TO 1400Z DAILY 25 THRU 26 MAY IN AREA BETWEEN 41-05N 41-15N AND 009-55E 010-25E.
2. CANCEL THIS MSG 261500Z MAY.

(221110Z MAY 2004)

883/04(53). SICILIA-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 0600Z TO 1400Z DAILY 25 AND 26 MAY, ALTERNATE 27 AND 28 MAY WITHIN SIX MILES OF 36-56N 013-45E.
2. CANCEL THIS MSG 281500Z MAY.

(221310Z MAY 2004)

884/04 and 885/04. CANCELED.

886/04(35). NORTH ATLANTIC.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY CABLESHIP ATLANTIC GUARDIAN VICINITY 59-55.4N 006-34.4W. WIDE BERTH REQUESTED.

(230201Z MAY 2004)

887/04 thru 891/04. CANCELED.

892/04(GEN). EUROPE-NORTHWEST COAST.

1. LORAN-C STATIONS LESSAY, RATES 6731-X AND 6731-Z, AND SYLT, RATES 7499-X AND 7499-Y, OFF AIR 0600Z TO 1200Z DAILY 25 AND 26 MAY.
2. CANCEL THIS MSG 261300Z MAY.

(231736Z MAY 2004)

893/04(52,53). TYRRHENIAN SEA. STRAIT OF SICILY.

1. SURVEY OPERATIONS 25 MAY THRU 14 JUN BY M/V URANIA ALONG TRACKLINES BETWEEN:  
A. 38-39.19N 015-53.33E AND 39-52.94N 013-07.27E.  
B. 38-06.75N 013-54.44E AND 39-46.37N 012-39.19E.  
C. 39-29.34N 012-03.14E AND 38-20.39N 012-38.96E.  
D. 38-03.00N 012-05.88E AND 38-39.96N 010-35.76E.  
E. 37-31.79N 012-46.80E AND 36-30.59N 011-24.60E.  
F. 39-45.80N 010-49.06E AND 39-46.43N 011-53.26E.  
G. 37-43.98N 012-19.98E AND 37-10.80N 011-18.24E.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 870/04(24) AND 880/04(54).
3. CANCEL THIS MSG 15 JUN.

(240620Z MAY 2004)

894/04 and 895/04. CANCELED.

896/04(51). NORTH ATLANTIC. GUNNERY.

1. GUNNERY EXERCISES 291200Z TO 291900Z MAY WITHIN 20 MILES OF 39-00N 010-30W.
2. CANCEL HYDROLANT 875/04(36), OPERATIONS COMPLETED.
3. CANCEL THIS MSG 292000Z MAY.

(240950Z MAY 2004)

### SECTION III

NM 24/04

897/04(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0730Z TO 1230Z DAILY  
27 AND 28 MAY IN AREA BOUND BY  
44-43.8N 032-52.2E, 44-34.8N 032-37.4E,  
44-39.0N 032-11.5E, 44-48.4N 032-08.2E,  
45-00.2N 032-14.2E, 44-52.2N 032-41.6E.
2. CANCEL THIS MSG 281330Z MAY.

(241335Z MAY 2004)

898/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 22 UNUSABLE 271700Z TO 280500Z MAY.
2. CANCEL HYDROLANT 887/04(24).
3. CANCEL THIS MSG 280600Z MAY.

(241415Z MAY 2004)

899/04(37). BAY OF BISCAY. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1645Z TO 0500Z COMMENCING DAILY  
26 AND 28 MAY AND 01 THRU 03 JUN IN AREA BOUND BY  
46-44N 006-13W, 46-28N 005-51W,  
46-09N 006-21W, 46-26N 006-42W.
2. CANCEL THIS MSG 040600Z JUN.

(241610Z MAY 2004)

900/04 thru 902/04. CANCELED.

903/04(36,37). NORTH ATLANTIC. FRANCE.

ELEVEN METER S/V MAGERO, BLUE AND WHITE HULL, FOUR PERSONS ON BOARD,  
OVERDUE GIJON TO PORNICHET. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO  
MRCC ETEL, INMARSAT-C: 4227 99025, TELEX: 4295 0519,  
PHONE: 339 755 3535, FAX: 339 755 4934.

(250940Z MAY 2004)

904/04(37). BAY OF BISCAY. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1430Z TO 0230Z COMMENCING DAILY  
26, 28 MAY AND 01 THRU 03 JUN IN AREA BOUND BY  
47-49.2N 004-38.2W, 47-38.6N 004-03.2W,  
47-22.3N 004-14.3W, 47-36.0N 004-48.0W.
2. CANCEL HYDROLANT 877/04(53).
3. CANCEL HYDROLANT 901/04(GEN), 892/04 REFERS.
4. CANCEL THIS MSG 040330Z JUN.

(250950Z MAY 2004)

905/04 thru 909/04. CANCELED.

910/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 290300Z MAY  
BY M/V CGG HARMATTAN TOWING SIX 6000 METER  
LONG CABLES IN AREA BETWEEN  
20-00.0S 20-08.2S AND 039-28.0W 039-51.4W.  
FOUR MILE BERTH REQUESTED.

2. CANCEL THIS MSG 290400Z MAY.

(260810Z MAY 2004)

911/04(36). WALES-SOUTH COAST.

CHART 36165 (6TH ED).

1. DGPS STATION AT NASH POINT LIGHT 51-24N 003-33W  
UNRELIABLE 270900Z TO 271400Z MAY.
2. CANCEL HYDROLANT 905/04.
3. CANCEL THIS MSG 271500Z MAY.

(260840Z MAY 2004)

912/04(53). IONIAN SEA.

1. UNDERWATER OPERATIONS 280001Z TO 292200Z MAY  
BY M/V THETIS VICINITY 37-29.6N 015-25.6E.  
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 292300Z MAY.

(260940Z MAY 2004)

## **SECTION III**

**NM 24/04**

### **NAVAREA XII**

Messages in force 261200Z May 2004:

2003 series	2004 series	170(83)	172(18)	175(GEN)
262(GEN)	147(19)	171(18)	173(GEN)	

The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03.  
Warnings issued during the subsequent quarter are issued in NM 13/04.

#### **NAVAREA XII WARNINGS issued from 201200Z to 261200Z May 2004.**

172/04(18). EASTERN NORTH PACIFIC.

1. LORAN-C STATION FALLON, RATE 9940-MASTER,  
UNUSABLE 261600Z TO 262359Z MAY,  
ALTERNATE 271600Z TO 272359Z MAY.
2. CANCEL THIS MSG 280059Z MAY.

(220820Z MAY 2004)

173/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 221000Z MAY 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 147(19), 170(83), 171(18), 172(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.  
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/04.
3. CANCEL NAVAREA XII 125/04, 166/04, 167/04.

(221020Z MAY 2004)

174/04. CANCELED.

175/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 22 UNUSABLE 271700Z TO 280500Z MAY.
2. CANCEL THIS MSG 280600Z MAY.

(241430Z MAY 2004)

176/04. CANCELED.

## SECTION III

### HYDROPACS

Messages in force 261200Z May 2004:

2001 series	1911(62)	673(63)	754(62)	838(63)	879(63)
1976(62)	1982(GEN)	675(95)	758(19)	839(63)	880(22)
2002 series	2004(73,74)	677(63)	763(62)	840(63)	881(GEN)
205(GEN)	2265(62)	679(76)	765(95)	842(61)	882(71,93)
206(GEN)	2275(22)	682(76)	768(91,93)	843(61)	883(93)
403(72,73)	2004 series	691(81,97)	769(61)	848(81)	884(81)
2330(62)	23(62)	694(62)	776(29)	851(63)	887(61)
2003 series	278(63)	697(63)	778(75)	852(81)	889(61,63)
207(62)	329(71)	701(94,97)	779(97)	853(81)	890(71)
506(62)	352(63)	711(81)	795(62)	854(74)	894(GEN)
760(63)	402(62)	714(63)	800(61)	858(63)	895(62)
761(63)	403(62)	727(22)	801(61)	859(63)	896(73)
993(62)	455(73)	732(GEN)	807(63)	861(76)	897(71)
998(71)	460(94)	740(74)	809(63)	868(74)	898(94,95)
1041(71)	572(83)	746(94,95)	811(63)	873(63)	899(62)
1198(92)	593(61)	747(94,95)	817(74)	874(61)	900(63)
1330(62)	600(62)	748(94,95)	829(63)	875(96)	903(81,97)
1395(62)	659(63)	749(71)	830(63)	876(63)	
1699(63)	661(93)	750(94,95)	831(63)	877(63)	
1700(62)	671(71,93)	753(62)	837(81)	878(63)	

The summary of all HYDROPACS in force as of 11 December 2003 is given in Section III of NM 52/03.  
Warnings issued during the subsequent quarter are issued in NM 13/04.

#### **HYDROPAC WARNINGS issued from 201200Z to 261200Z May 2004.**

872/04. CANCELED.

873/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 15 JUN  
BY M/V RAMFORM VICTORY TOWING EIGHT  
6000 METER LONG CABLES IN AREA BOUND BY  
23-11N 068-20E, 23-11N 067-52E,  
23-05N 067-50E, 23-05N 068-19E.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 JUN.

(201615Z MAY 2004)

874/04(61). INDIAN OCEAN. COMOROS.

1. DERELICT M/V LCT CHUNGI ON FIRE AND  
ADRIFT VICINITY 11-17S 042-53E.
2. CANCEL THIS MSG 28 MAY.

(210125Z MAY 2004)

875/04(96). SEA OF JAPAN. MISSILES.

1. HAZARDOUS OPERATIONS 2300Z TO 0700Z COMMENCING  
DAILY 26 AND 27 MAY IN AREA BOUND BY  
42-31.0N 131-41.0E, 42-40.0N 131-41.0E,  
42-38.5N 132-15.0E, 42-31.0N 132-15.0E.
2. CANCEL HYDROPAC 710/04(63).
3. CANCEL THIS MSG 280800Z MAY.

(210955Z MAY 2004)

876/04(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z  
DAILY 26 AND 27 MAY WITHIN 75 MILES  
OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 271800Z MAY.

(211415Z MAY 2004)

877/04(63). INDIA-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 06 JUN  
BY M/V MEZEN TOWING 6000 METER LONG  
CABLE IN AREA BOUND BY  
07-15N 077-00E, 05-35N 077-00E,  
05-42N 077-43E, 06-08N 078-00E,  
07-25N 078-00E, 07-30N 077-15E.  
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 07 JUN.

(211630Z MAY 2004)

## SECTION III

878/04(63). INDIA-WEST COAST.  
 CHART 63070 (3RD ED).  
 DGPS STATION AT PORBANDAR LIGHT 21-37.3N 069-37.2E OFF AIR.

(211645Z MAY 2004)

879/04(63). INDIA-EAST COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 21 JUN  
 BY M/V CGG AMADEUS TOWING EIGHT  
 5000 METER LONG CABLES IN AREA BOUND BY  
 19-33.0N 085-45.0E, 19-51.0N 086-19.5E,  
 19-31.0N 086-31.0E, 19-09.0N 085-55.5E.  
 FIVE MILE BERTH REQUESTED.  
 2. CANCEL THIS MSG 22 JUN.

(211700Z MAY 2004)

880/04(22). PERU.  
 CHART 22142 (2ND ED).  
 ISLA BLANCA LIGHT 09-06.5S 078-37.2W UNLIT.

(211843Z MAY 2004)

881/04(GEN).  
 1. HYDROPAC MESSAGES IN FORCE 221000Z MAY 2004. ONLY THOSE  
 MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
 2004 SERIES: 659(63), 661(93), 671(71,93), 673(63), 675(95),  
 677(63), 679(76), 682(76), 691(81,97), 693(63), 694(62),  
 697(63), 701(94,97), 711(81), 712(93), 714(63), 727(22),  
 732(63), 740(74), 746(94,95), 747(94,95), 748(94,95), 749(71),  
 750(94,95), 753(62), 754(62), 758(19), 763(62), 765(95),  
 768(91,93), 769(61), 776(29), 778(75), 779(97), 795(62),  
 800(61), 801(61), 802(61), 807(63), 809(63), 811(63),  
 817(74), 829(63), 830(63), 831(63), 837(81), 838(63),  
 839(63), 840(63), 842(61), 843(61), 848(81), 851(63),  
 852(81), 853(81), 854(74), 858(63), 859(63), 861(76),  
 866(63), 868(74), 870(63), 872(63), 873(63), 874(61),  
 875(96), 876(63), 877(63), 878(63), 879(63), 880(22).  
 2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE  
 AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.  
 WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS  
 ARE SUMMARIZED IN NM 13/04.  
 3. CANCEL HYDROPAC 167/03, 622/04, 624/04, 724/04, 726/04, 728/04,  
 729/04, 730/04, 828/04, 846/04, 855/04, 856/04, 860/04.

(221025Z MAY 2004)

882/04(71,93). SOUTH CHINA SEA.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 220001Z JUN  
 BY M/V ZEPHYR 1 TOWING 7500 METER LONG CABLE  
 IN AREA BOUND BY  
 05-00N 105-40E, 06-25N 105-40E,  
 09-00N 107-30E, 09-00N 110-00E,  
 06-00N 110-00E, 05-00N 107-00E.  
 2. CANCEL THIS MSG 220101Z JUN.

(221500Z MAY 2004)

883/04(93). SOUTH CHINA SEA.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 01 JUL  
 BY M/V GECO EMERALD TOWING EIGHT  
 3.5 MILE LONG CABLES IN AREA BETWEEN  
 05-30N 05-50N AND 104-45E 105-05E.  
 2. CANCEL THIS MSG 02 JUL.

(221515Z MAY 2004)

884/04(81). NORTH PACIFIC.  
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 08-51.0N 143-27.5E  
 AT 221507Z MAY. VESSELS IN VICINITY REQUESTED  
 TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO RCC GUAM, TELEX: 392401.

(221600Z MAY 2004)

885/04 and 886/04. CANCELED.

887/04(61). INDIAN OCEAN.  
 MAN OVERBOARD FROM VESSEL MASARU AOKI VICINITY  
 40-35.0S 041-24.6E. VESSELS IN VICINITY REQUESTED  
 TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO ANY COASTAL RADIO STATION.

(222007Z MAY 2004)

888/04. CANCELED.

### SECTION III

NM 24/04

889/04(61,63). INDIAN OCEAN.

21 FOOT VESSEL, YELLOW AND RED HULL, THREE PERSONS  
ON BOARD, UNREPORTED WEST OF MAHE ISLAND  
(04-40S 055-28E). VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO SEYCHELLES RADIO OR MRCC SEYCHELLES.

(230148Z MAY 2004)

890/04(71). SINGAPORE STRAIT.

CHART 71247 (18TH ED).  
DANGEROUS WRECK VICINITY 01-13.3N 103-57.7E.

(241215Z MAY 2004)

891/04 thru 893/04. CANCELED.

894/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 22 UNUSABLE 271700Z TO 280500Z MAY.
2. CANCEL THIS MSG 280600Z MAY.

(241435Z MAY 2004)

895/04(62). PERSIAN GULF.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY BARGE DB-27 IN 26-30.5N 052-12.1E. WIDE BERTH REQUESTED.

(241500Z MAY 2004)

896/04(73). PAPUA NEW GUINEA.

TEN METER M/V IPWASI, THREE PERSONS ON BOARD,  
UVERDUE BOLUBOLU TO ALOTAU. VESSELS IN  
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,  
TELEX: 7162025, PHONE: 612 6230 6811.

(241545Z MAY 2004)

897/04(71). STRAIT OF MALACCA.

1. DERELICT 20 METER F/V ADRIFT VICINITY  
04-53.9N 098-22.6E AT 222300Z MAY.
2. CANCEL THIS MSG 01 JUN.

(250122Z MAY 2004)

898/04(94,95). YELLOW SEA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1300Z DAILY  
01 THRU 05, 07 THRU 12, 14 THRU 19,  
21 THRU 26 AND 28 THRU 30 JUN IN AREA  
BETWEEN 35-35N 36-00N AND 125-00E 125-30E.
2. CANCEL THIS MSG 301400Z JUN.

(251125Z MAY 2004)

899/04(62). PERSIAN GULF.

DISTRESS SIGNAL RECEIVED FROM M/V NAVIS SUCCESS  
IN 25-21N 055-22E. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JRCC STAVANGER, TELEX: 5633163,  
PHONE: 475 151 7000, FAX: 475 165 2334.

(251200Z MAY 2004)

900/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 280330Z TO 281530Z MAY  
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 HYDROPAC 802/04(61), AID RESTORED.
3. CANCEL THIS MSG 281630Z MAY.

(251340Z MAY 2004)

901/04 and 902/04. CANCELED.

903/04(81,97). NORTH PACIFIC.

1. UNDERWATER OPERATIONS 31 MAY THRU 29 JUN  
BY M/V HAKUREI MARU NO 2 IN AREAS:  
A. BETWEEN 31-00N 32-00N AND 134-30E 136-30E.  
B. BOUND BY 26-30N 136-00E,  
23-00N 137-30E, 15-00N 135-00E,  
15-00N 133-30E, 18-00N 134-30E,  
21-00N 136-00E, 22-30N 134-00E,  
22-30N 130-00E, 25-00N 130-00E,  
25-00N 133-00E, 26-30N 133-00E.
2. CANCEL THIS MSG 30 JUN.

(260950Z MAY 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](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

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

### SPECIAL WARNINGS

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

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

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

## MARINE INFORMATION

## NEW EDITION OF SAILING DIRECTIONS

Pub. 142, Sailing Directions (Enroute) Ireland and the West Coast of England, Ninth Edition, 2004, is ready for issue. This publication has been corrected to 10 January 2004, including Notice to Mariners No. 2 of 2004.

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

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

## 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](http://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](mailto:help@nauticalcharts.gov) or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

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

11509	28 <sup>th</sup> Ed. May 2004 NEW EDITION GA-TYBEE ISLAND TO DOBOY SOUND (New edition due to various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
14853	15 <sup>th</sup> Ed. May 2004 NEW EDITION-BOOK CHART MI-REC CHART-DETROIT RIVER-LAKE ST CLAIR-ST CLAIR RIVER (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1:15,000
14926	10 <sup>th</sup> Ed. Apr 2003 NEW EDITION-BOOK CHART MI-IN-IL-REC CHART-CHICAGO AND SOUTH SHORE OF LAKE MICHIGAN (New edition due to various general changes.)	NAD 83	(NOS Silver Spring, MD) VARIOUS
14972	26 <sup>th</sup> Ed. May 2004 NEW EDITION MI-LAKE SUPERIOR-KEWEENAW WATERWAY including TORCH LAKE INSET: Hancock and Houghton (New edition due to numerous Notice to Mariner changes and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:30,000 1:10,000
17383	2 <sup>nd</sup> Ed. May 2004 NEW EDITION AK-SOUTHEAST COAST-SNOW PASSAGE-KEY REEF TO POINT COLPOYS (New edition due to changes in hydrography and numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1:30,000
18622	53 <sup>rd</sup> Ed. May 2004 NEW EDITION CA-HUMBOLDT BAY (New edition due to numerous Notice to Mariner changes and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:25,000
18704	13 <sup>th</sup> Ed. May 2004 NEW EDITION CA-SAN LUIS OBISPO BAY-PORT SAN LUIS (New edition due to numerous Notice to Mariner changes and change in format.)	NAD 83	(NOS Silver Spring, MD) 1:20,000

## 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 \_\_\_\_\_

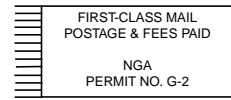
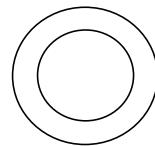
Details of Information Reported (continue on additional sheets as necessary)  
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User Feedback (continue on additional sheets as necessary)  
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**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**

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## ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address\_\_\_\_\_

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

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

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Date of Insertion \_\_\_\_\_ Date of Removal \_\_\_\_\_

If observed, Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_

Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

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

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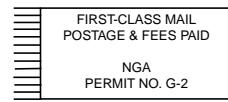
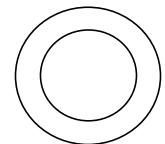
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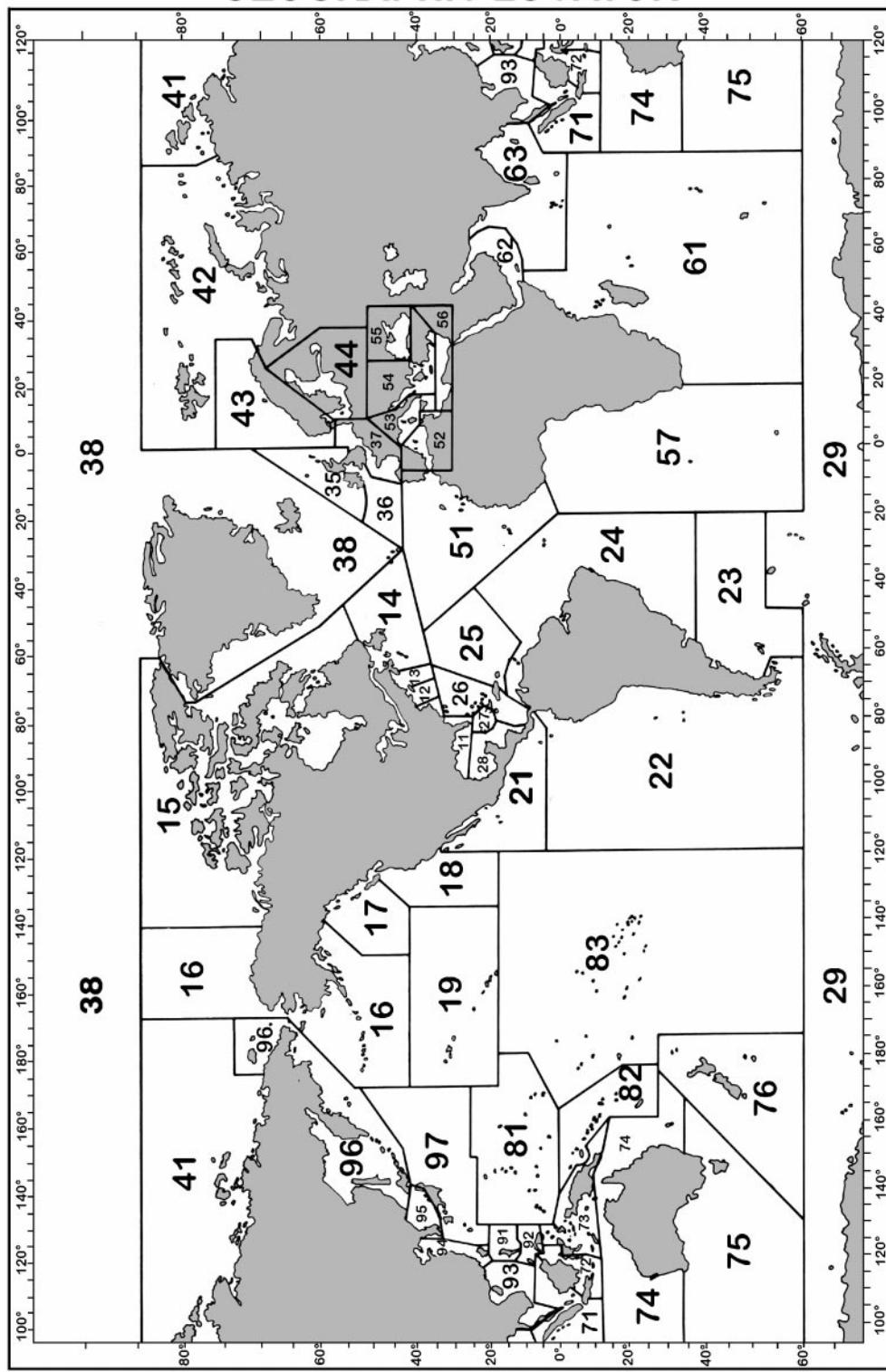
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## GEOGRAPHIC LOCATOR



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

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

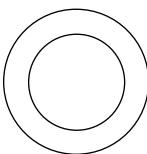
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



FIRST-CLASS MAIL  
POSTAGE & FEES PAID  
NGA  
PERMIT NO. G-2

**IMPORTANT  
NAVIGATIONAL INFORMATION  
TIME-DATED**



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**