



No. 16  
17 APRIL 2004



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Geospatial-Intelligence Agency

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

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



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## IMPORTANT INFORMATION

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

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

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

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

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nga.mil](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. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<u>Observer</u>	<u>Ship/Organization</u>
Navigation Team	USS MOBILE BAY
Keith Stribley	M/V STRONG PATRIOT

**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 16/04**

# HYDROGRAM

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

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

**17 April 2004**

## **CABO FINISTERRE NEW AND AMENDED TRAFFIC SEPARATION SCHEMES**

THE INTERNATIONAL MARITIME ORGANIZATION (IMO) HAS ANNOUNCED THAT NEW AND AMENDED TRAFFIC SEPARATION SCHEMES (TSS's) HAVE BEEN ADOPTED FOR CABO FINISTERRE EFFECTIVE 0001 GMT 1 JUNE 2004. FOR DETAILS, SEE SECTION III.

## **NEW EDITION OF SAILING DIRECTIONS**

PUB. 164, SAILING DIRECTIONS (ENROUTE) NEW GUINEA, EIGHTH EDITION, 2003, IS READY FOR ISSUE. THIS EDITION IS PRODUCED BY NGA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

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

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

## EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

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

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

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

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

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

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

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

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

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

**SECTION I  
CHART CORRECTIONS**

<b>411</b>	49Ed. 3/03 LAST NM 6/04 Change Light to Fl 24M, Oc(4) 10M	16/04 27°36'N 82°46'W	Relocate (Page C) Light "B" from 29°31'19"N 94°52'58"W to 29°31'15"N 94°53'02"W (NOS)
	Add Danger circle "Obstns" [K40] Danger circle "Obstn" [K40] (NOS; 11/03 CG7)	27°16'N 83°07'W 27°06'N 83°03'W	
<b>★514</b> (INT 814)	7Ed. 1/04 NEW EDITION Delete R Bn R Bn (Previously published 15/04)	16/04 64°24'N 172°15'W 64°20'N 173°34'W	<b>★11327</b> 31Ed. 8/03 LAST NM 14/04 Relocate Light "B" from 29°31'18.9"N 94°52'58.4"W to 29°31'15.0"N 94°53'02.0"W (NOS)
Delete	Depth 2 meters and legend "Tenedos Shoal"  Depth 29 meters Depth 26 meters Depth 24 meters (NOS; 34(5550, 5551)03 St. Petersburg)	64°16'N 178°00'W  64°52'N 179°25'W 64°57'N 176°19'W 64°42'N 175°35'W	<b>★11340</b> 68Ed. 6/03 LAST NM 15/04 Add Platform [L10] (11/04 CG8)
<b>★540</b>	17Ed. 2/04 NEW EDITION Substitute Depth 68 fathoms for 180 fathoms	16/04 28°54'N 178°37'W	<b>★11344</b> 35Ed. 12/02 LAST NM 14/04 Add Platform [L10] (11/04 CG8)
Add	Depth 218 fathoms Depth 656 fathoms "Rep (2000)" [I3.2]	28°52'N 178°52'W 5°53'N 165°22'W	<b>★11376</b> 49Ed. 9/03 LAST NM 11/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)
<b>1113A</b>	Ed. 3/03 LAST NM 52/03 Delete Depth 18 fathoms	16/04 27°06.1'N 83°03.8'W	<b>★11378</b> 33Ed. 2/04 NEW EDITION <b>(Side A)</b> Delete Range light, front 30°19'51.4"N 87°18'50.8"W
Change	Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M	27°36.0'N 82°45.6'W	Add Range light, front QG 24ft, QG 26ft 3M 30°19'33.6"N 87°18'44.0"W Note: Range bearing unchanged (Previously published 13/04)
Add	Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7½fms)" 27°15.9'N 83°07.3'W Danger circle [K46.2] "Obstns (Fish Haven) (auth min 7½fms)" 27°15.5'N 83°07.1'W Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7½fms)" 27°15.6'N 83°07.4'W Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7½fms)" 27°06.2'N 83°03.2'W (NOS; 11/03 CG7)		<b>(Side B)</b> Delete Legend "(F R Obstn Lt)" 30°13'36.5"N 88°01'06.0"W (Previously published 14/04)
			<b>(Side B, Continuation)</b> Delete Legend "(F R Obstn Lt)" 30°13'35.5"N 88°01'05.0"W (Previously published 14/04)
<b>1114A</b>	Ed. 11/17/01 LAST NM 13/03 Change Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M	16/04 27°36.0'N 82°45.6'W (11/03 CG7)	<b>11389</b> 32Ed. 10/13/01 LAST NM 14/04 Delete Light "3" 30°09'02"N 85°41'30"W
<b>1116A</b>	Ed. 6/03 LAST NM 15/04 Add Platform [L10] (11/04 CG8)	16/04 27°07.3'N 91°57.5'W	Relocate Buoy "11" from 30°07'53"N 85°42'59"W to 30°07'57"N 85°42'51"W Buoy "12" from 30°07'51"N 85°42'52"W to 30°07'54"N 85°42'48"W
<b>11004</b>	7Ed. 10/29/94 LAST NM 15/04 Add Platform [L10] (11/04 CG8)	16/04 27°07.3'N 91°57.5'W	Add Buoy "3" G, QG 30°09'04"N 85°41'17"W Buoy "8" R, Fl R 30°09'40"N 85°42'36"W (11/04 CG8)
<b>11006</b>	31Ed. 9/03 LAST NM 13/04 Substitute Danger circle [K46.2] "Obstns (Fish Haven) (auth min 7½fms)" for depth 19 fathoms	16/04 27°15.8'N 83°07.3'W	<b>11390</b> 22Ed. 3/30/02 LAST NM 14/04 <b>(Side A)</b> Delete Light "3" 30°09'02.1"N 85°41'29.6"W
Change	Light to Fl 15s 24M, Oc(4) 30s 10M	27°36.0'N 82°45.6'W	Relocate Buoy "11" from 30°07'53.3"N 85°42'57.2"W to 30°07'57.1"N 85°42'50.8"W Buoy "12" from 30°07'50.9"N 85°42'51.8"W to 30°07'53.9"N 85°42'48.0"W
Add	Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7½fms)" 27°06.2'N 83°03.2'W (NOS; 11/03 CG7)		Add Buoy "3" G, QG 30°09'03.5"N 85°41'16.5"W Buoy "8" R, Fl R 4s 30°09'40.4"N 85°42'36.3"W (11/04 CG8)
<b>11013</b>	45Ed. 7/03 LAST NM 52/03 Change Light to Fl 24M, Oc(4) 10M	16/04 27°36.0'N 82°45.8'W	<b>★11391</b> 23Ed. 10/03 LAST NM 14/04 Delete Light "3" 30°09'02.1"N 85°41'29.8"W
Add	Danger circle [K46.2] "Obstns (Fish Haven) (auth min 7½fms)" 27°15.8'N 83°07.3'W Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7½fms)" 27°06.2'N 83°03.2'W (NOS; 11/03 CG7)		Relocate Buoy "6" from 30°07'15.2"N 85°43'45.9"W to 30°07'15.5"N 85°43'44.7"W Buoy "11" from 30°07'53.3"N 85°42'57.7"W to 30°07'57.1"N 85°42'50.8"W Buoy "12" from 30°07'50.9"N 85°42'50.2"W to 30°07'53.9"N 85°42'48.0"W
<b>11326</b>	32Ed. 11/03 LAST NM 15/04 <b>(Page B, Inset 3)</b> Relocate Light "B" from 29°31'18.2"N 94°52'58.8"W to 29°31'15.0"N 94°53'02.0"W	16/04	Add Buoy "3" G, QG 30°09'03.5"N 85°41'16.5"W Buoy "8" R, Fl R 4s 30°09'40.4"N 85°42'36.3"W (11/04 CG8)

<b>11400</b>	34Ed. 11/17/01 LAST NM 15/04 Change Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M (11/03 CG7)	16/04 27°36.0'N 82°45.6'W	<b>★11488</b> 24Ed. 5/26/01 LAST NM 50/03 Change Note to "ST. JOHNS RIVER The project depth is 30-42 feet to Jacksonville. The depths and channel markers are not shown hereon, use chart 11491." (NOS)	16/04 30°22'24"N 81°30'00"W
<b>11411</b>	14Ed. 8/02 LAST NM 15/04 <b>(Side A)</b> Change Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M (11/03 CG7)	16/04 27°36'03"N 82°45'38"W	<b>11489</b> 34Ed. 12/02 LAST NM 14/04 <b>(Side A)</b> Relocate Light "249" from 31°08'21"N 81°25'14"W to (8/04 CG7)	16/04 31°08'15"N 81°24'58"W
<b>11412</b>	41Ed. 8/02 LAST NM 15/04 Change Range light, rear to Iso 6s 62ft, Fl 4s 23ft 5M Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M (Supersedes 20/03-11412) (11/03, 11/04 CG7)	16/04 27°45'04"N 82°34'20"W 27°36'03"N 82°45'38"W	<b>11502</b> 28Ed. 6/2/01 LAST NM 14/04 Relocate Light "249" from 31°08'21"N 81°25'14"W to (8/04 CG7)	16/04 31°08'15"N 81°24'58"W
<b>★11415</b>	6Ed. 11/03 LAST NM 15/04 Change Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M (11/03 CG7)	16/04 27°36'03"N 82°45'38"W	<b>11505</b> 1Ed. 9/23/00 LAST NM 14/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)	16/04
<b>★11416</b>	6Ed. 1/04 LAST NM 15/04 Change Range light, rear to Iso 6s 62ft, Fl 4s 23ft 5M (11/04 CG7)	16/04 27°45'03"N 82°34'20"W	<b>★11506</b> 40Ed. 1/03 LAST NM 14/04 Relocate Light "249" from 31°08'21"N 81°25'14"W to 31°08'15"N 81°24'58"W Add Tabulation of controlling depths from Subsection I-2 (NOS; 8/04 CG7)	16/04
<b>★11420</b>	27Ed. 3/03 LAST NM 52/03 Delete Depth 18 fathoms	16/04 27°06.1'N 83°03.8'W	<b>11507</b> 31Ed. 12/02 LAST NM 20/03 <b>(Side A)</b> Relocate Light "B" from 32°05'09"N 80°59'07"W to (34/03 CG7)	16/04 32°05'08"N 80°59'06"W
	Change Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M 27°36.0'N 82°45.6'W			
	Add Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7 1/2fms)" 27°15.9'N 83°07.3'W Danger circle [K46.2] "Obstns (Fish Haven) (auth min 7 1/2fms)" 27°15.5'N 83°07.1'W Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7 1/2fms)" 27°15.6'N 83°07.4'W Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7 1/2fms)" 27°06.2'N 83°03.2'W (NOS; 11/03 CG7)			
<b>11423</b>	7Ed. 8/10/96 LAST NM N52/03 Delete Depth 18 fathoms	N16/04 27°06.2'N 83°03.7'W	<b>★11512</b> 59Ed. 1/03 LAST NM 14/04 Relocate Light "B" from 32°05'10"N 80°59'07"W to 32°05'08"N 80°59'06"W Add Tabulation of controlling depths from Subsection I-2 (NOS; 34/03 CG7)	16/04
	Change Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M 27°36.0'N 82°45.6'W			
	Add Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7 1/2fms)" 27°15.9'N 83°07.3'W Danger circle [K46.2] "Obstns (Fish Haven) (auth min 7 1/2fms)" 27°15.5'N 83°07.1'W Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7 1/2fms)" 27°15.6'N 83°07.4'W Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7 1/2fms)" 27°06.2'N 83°03.2'W (NOS; 11/03 CG7)			
<b>11427</b>	33Ed. 10/02 LAST NM 15/04 <b>(Side B)</b> Delete Range light, front	16/04 26°42'15"N 82°17'38"W (11/03 CG7)	<b>11514</b> 26Ed. 7/02 LAST NM 14/04 <b>(Side A)</b> Add Tabulation of controlling depths from Subsection I-2 (NOS)	16/04
<b>11467</b>	38Ed. 10/03 LAST NM 14/04 <b>(Side A, Inset 1)</b> Add Light Fl 4s 16ft 3M (11/04 CG7)	16/04 26°05'41"N 80°06'41"W 26°05'33"N 80°06'41"W	<b>★11524</b> 46Ed. 12/02 LAST NM 15/04 Relocate Buoy "63" from 32°54'29.7"N 79°56'46.7"W to 32°54'31.0"N 79°56'34.3"W Add Buoy "48A" R, QR (33, 48/03 CG7)	16/04 32°50'40.0"N 79°55'37.0"W
<b>★11468</b>	40Ed. 1/04 NEW EDITION (NOS)	16/04	<b>11527</b> 16Ed. 1/13/01 LAST NM 15/04 Relocate Buoy "63" from 32°54'29.3"N 79°56'46.8"W to 32°54'31.0"N 79°56'34.3"W (48/03 CG7)	16/04
<b>★11470</b>	36Ed. 1/03 LAST NM 40/03 Add Light Fl 4s 16ft 3M (11/04 CG7)	16/04 26°05'40.9"N 80°06'41.0"W 26°05'33.4"N 80°06'40.9"W	<b>★11545</b> 61Ed. 2/04 NEW EDITION (NOS)	16/04
<b>★11547</b>	36Ed. 2/04 NEW EDITION (NOS)		<b>★11547</b> 36Ed. 2/04 NEW EDITION (NOS)	16/04
<b>★12200</b>	47Ed. 8/02 LAST NM 6/04 Add Depth 60 fathoms "Rep" [I4] Depth 93 fathoms "Rep" [I4] Depth 90 fathoms "Rep" [I4] (NTM0001/2004)	16/04 38°09.1'N 73°35.3'W 38°06.6'N 73°35.2'W 37°56.0'N 73°52.5'W		

## SECTION I

NM 16/04

<b>12201</b>	25Ed. 7/17/99 LAST NM N7/04 Add Depth 60 fathoms "Rep" [I4] Depth 93 fathoms "Rep" [I4] Depth 90 fathoms "Rep" [I4] (NTM0001/2004)	16/04 38°09.1'N 73°35.3'W 38°06.6'N 73°35.2'W 37°56.0'N 73°52.5'W	<b>★14962</b> 20Ed. 2/04 NEW EDITION (NOS)	16/04
<b>★12228</b>	30Ed. 2/04 NEW EDITION (NOS)	16/04	<b>★14982</b> 9Ed. 2/04 NEW EDITION (NOS)	16/04
<b>★12233</b>	36Ed. 1/04 NEW EDITION (NOS)	16/04	<b>★14993</b> 12Ed. 1/04 NEW EDITION (NOS)	16/04
<b>★12252</b>	23Ed. 5/12/01 LAST NM 49/03 Relocate Buoy "172" from 37°29'46.0"N to 37°29'44.4"N 77°25'24.1"W 77°25'23.8"W (8/04 CG5)	16/04	<b>★16501</b> 7Ed. 1/04 NEW EDITION (NOS)	16/04
<b>★12254</b>	44Ed. 2/04 NEW EDITION (NOS)	16/04	<b>★16517</b> 6Ed. 1/04 NEW EDITION (NOS)	16/04
<b>★12281</b>	49Ed. 5/13/00 LAST NM 1/04 Delete Depth 35 feet Obstn (PA) (NOS)	16/04 39°16'07.8"N 76°34'21.6"W	<b>★16522</b> 6Ed. 2/04 NEW EDITION (NOS)	16/04
<b>★12311</b>	42Ed. 8/03 LAST NM 10/04 Add Danger circle "Anchor Rep (2004)" (NOS; 8/04 CG5)	16/04 39°30'36"N 75°32'36"W Tabulation of controlling depths from Subsection I-2	<b>★16591</b> 9Ed. 1/04 NEW EDITION (NOS)	16/04
<b>★12312</b>	52Ed. 1/03 LAST NM 10/04 Change Legend to "31 1/2 FT OCT 2003" (NOS)	16/04 39°53'02"N 75°11'46"W Add Tabulation of controlling depths from Subsection I-2	<b>★16741</b> 10Ed. 1/04 NEW EDITION <b>17375</b> 20Ed. 2/18/95 LAST NM 50/03 Change Note to	16/04
<b>13003</b>	47Ed. 6/03 LAST NM 6/04 Add Depth 60 fathoms "Rep" [I4] Depth 93 fathoms "Rep" [I4] Depth 90 fathoms "Rep" [I4] (NTM0001/2004)	16/04 38°09.1'N 73°35.3'W 38°06.6'N 73°35.2'W 37°56.0'N 73°52.5'W	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	
<b>13006</b>	31Ed. 6/03 LAST NM 6/04 Change Legend to "Disposal Area" (NOS)	16/04 43°16.7'N 70°29.0'W	Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zarembo I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Wrangell, AK WXJ-83 162.40 MHz" 56°32'30"N 132°55'00"W	
<b>13009</b>	30Ed. 8/02 LAST NM 6/04 Change Legend to "Disposal Area" (NOS)	16/04 43°17.2'N 70°30.5'W		
<b>★13223</b>	37Ed. 1/04 NEW EDITION (NOS)	16/04	<b>17376</b> 6Ed. 8/18/90 LAST NM 52/00 Change Note to	16/04
<b>13260</b>	39Ed. 6/03 LAST NM 45/03 Change Legend to "Disposal Area (Depths from survey of 1946)" (NOS)	16/04 43°17.8'N 70°24.5'W	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	
<b>★13286</b>	29Ed. 7/02 LAST NM 9/03 Change Legend to "Disposal Area (Depths from survey of 1946)" (NOS)	16/04 43°17'48"N 70°26'18"W	Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zarembo I, AK KZZ-91 162.450 MHz" 56°18'00"N 134°01'00"W	
<b>14003</b>	6Ed. 4/27/96 LAST NM 6/04 Add Depth 60 fathoms "Rep" [I4] Depth 93 fathoms "Rep" [I4] Depth 90 fathoms "Rep" [I4] (NTM0001/2004)	16/04 38°09.1'N 73°35.3'W 38°06.6'N 73°35.2'W 37°56.0'N 73°52.5'W	<b>17377</b> 1Ed. 1/9/99 LAST NM 11/99 Change Note to	16/04
<b>★14846</b>	12Ed. 11/03 NEW EDITION (NOS)	16/04	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	
			Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zarembo I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Wrangell, AK WXJ-83 162.40 MHz" 56°42'54"N 132°46'00"W	
			(NOS)	

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<b>17378</b>	13Ed. 5/5/90	LAST NM 10/04	16/04	<b>★17383</b>	1Ed. 6/02	LAST NM 8/03	16/04
Change	Note to	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.		Change	Note to	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	
Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz"	(NOS)	56°18'55"N 133°35'00"W		Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz"	(NOS)	56°18'15"N 132°51'30"W	
<b>17379</b>	1Ed. 1/12/02	LAST NM 20/02	16/04	Add	Position circle [E29] "R Tr"	56°20'43"N 132°51'41"W	
Change	Note to	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.		Change	Note to	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	
Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Wrangell I, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz"	(NOS)	56°08'15"N 133°30'30"W		Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz Ketchikan, AK WXJ-26 162.55 MHz"	(NOS)	56°02'00"N 131°35'00"W	
<b>17381</b>	10Ed. 1/12/02	LAST NM 13/02	16/04	<b>17385</b>	14Ed. 2/03	LAST NM 13/04	16/04
Change	Note to	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.		Change	Note to	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	
Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz"	(NOS)	56°16'20"N 133°18'10"W		Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz Ketchikan, AK WXJ-26 162.55 MHz"	(NOS)	56°02'00"N 131°35'00"W	
<b>17382</b>	15Ed. 3/03	LAST NM 13/04	16/04	<b>17386</b>	3Ed. 5/12/01	LAST NM 35/01	16/04
Change	Note to	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.		Change	Note to	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	
Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz"	(NOS)	56°05'30"N 133°14'00"W		Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz"	(NOS)	56°04'09"N 134°09'00"W	
				Add	Position circle [E29] "R Tr"	56°04'09"N 134°11'31"W	
				<b>17387</b>	13Ed. 1/20/01	LAST NM 17/01	16/04
				Change	Note to	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	
				Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Mt. McArthur, AK KZZ-95 162.525 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz"	(NOS)	56°04'55"N 133°27'30"W	

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**NM 16/04**

<b>17400</b> 16Ed. 6/2/01 LAST NM 14/04 Change      Note to "NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.  Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz Ketchikan, AK WXJ-26 162.55 MHz" (See 14/04-17400)  (NOS)	16/04	<b>17404</b> 12Ed. 6/24/00 LAST NM 35/00 Change      Note to "NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.  Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Craig, AK KXI-80 162.475 MHz" (NOS)  55°46'20"N 133°26'22"W	16/04
<b>17401</b> 10Ed. 9/4/99 LAST NM 13/04 Change      Note to "NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.  Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz" (NOS)	16/04	<b>17405</b> 14Ed. 10/28/00 LAST NM 46/03 Change      Note to "NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.  Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Craig, AK KXI-80 162.475 MHz Ketchikan, AK WXJ-26 162.55 MHz" (NOS)  55°29'53"N 133°06'52"W	16/04
<b>17402</b> 10Ed. 8/02 LAST NM 46/02 Change      Note to "NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.  Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz" (NOS)	16/04	<b>17406</b> 6Ed. 2/10/90 LAST NM 25/03 Change      Note to "NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.  Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz" (NOS)  55°30'45"N 133°22'00"W	16/04
<b>17403</b> 13Ed. 10/6/01 LAST NM 52/01 Change      Note to "NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.  Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz" (NOS)	16/04	<b>17408</b> 7Ed. 11/18/89 LAST NM 13/96 Change      Note to "NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.  Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Cape Fanshaw, AK KZZ-88 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Wrangell, AK WXJ-83 162.40 MHz Craig, AK KXI-80 162.475 MHz" (NOS)  55°49'30"N 133°06'30"W	16/04

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<b>17409</b>	10Ed. 7/02 LAST NM 44/03 Change Note in right upper margin of chart to “NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	16/04	<b>18652</b>	32Ed. 7/03 LAST NM 11/04 <b>(Page B, Inset 2)</b> Relocate Light “2” from 37°33'11"N 122°11'50"W to 37°33'10"N 122°11'48"W	16/04
	Mt. McArthur, AK KZZ-95 162.525 MHz Sukkwan I, AK KZZ-89 162.425 MHz Zaremba I, AK KZZ-91 162.450 MHz Gravina I, AK KZZ-96 162.525 MHz Duke I, AK KZZ-92 162.450 MHz Craig, AK KXI-80 162.475 MHz Ketchikan, AK WXJ-26 162.55 MHz (NOS)		Relocate Light “4” from 37°54'22"N 122°24'04"W to 37°54'24"N 122°24'03"W Light “8” from 37°54'18"N 122°23'05"W to 37°54'16"N 122°23'06"W Light “10” from 37°54'13"N 122°22'32"W to 37°54'12"N 122°22'34"W Range light, front “14” from 37°54'09"N 122°21'40"W to 37°54'09"N 122°21'37"W Note: Range bearing unchanged (4/04 CG11)		<b>(Page B, Inset 5)</b> Relocate Light “4” from 37°54'21.7"N 122°24'03.7"W to 37°54'23.7"N 122°24'03.4"W Light “10” from 37°54'13.4"N 122°22'32.4"W to 37°54'12.1"N 122°22'33.6"W Buoy “15” from 37°56'15.2"N 122°26'46.3"W to 37°56'14.3"N 122°26'47.8"W Range light, front “14” from 37°54'08.8"N 122°21'39.8"W to 37°54'08.7"N 122°21'36.7"W Note: Range bearing unchanged (4/04 CG11)
<b>18007</b>	31Ed. 3/31/01 LAST NM 7/04 Delete Light 41°50.2'N 124°22.5'W (Supersedes 5/04-18007) (9/04 CG11)	16/04	<b>★18653</b>	9Ed. 9/30/00 LAST NM 50/03 Relocate Light “4” from 37°54'21.7"N 122°24'03.7"W to 37°54'23.7"N 122°24'03.4"W Light “10” from 37°54'13.4"N 122°22'32.4"W to 37°54'12.1"N 122°22'33.6"W Buoy “15” from 37°56'15.2"N 122°26'46.3"W to 37°56'14.3"N 122°26'47.8"W Range light, front “14” from 37°54'08.8"N 122°21'39.8"W to 37°54'08.7"N 122°21'36.7"W Note: Range bearing unchanged (4/04 CG11)	16/04
<b>18008</b>	7Ed. 10/12/96 LAST NM N7/04 Delete Light 41°50.2'N 124°22.5'W (Note: Position circle “TR” remains) (Supersedes N5/04-18008) (9/04 CG11)	N16/04	<b>18761</b>	2Ed. 5/27/95 LAST NM N1/04 Delete Buoy “A” (9/04 CG11)	N16/04
<b>18010</b>	20Ed. 2/10/01 LAST NM 7/04 Delete Light 41°50.2'N 124°22.5'W (Note: Position circle “TR” remains) (Supersedes 5/04-18010) (9/04 CG11)	16/04	<b>18762</b>	15Ed. 6/6/98 LAST NM 1/04 Delete Buoy 33°01'36"N 118°33'45"W (9/04 CG11)	16/04
<b>★18443</b>	16Ed. 1/04 NEW EDITION (NOS)	16/04	<b>18765</b>	15Ed. 2/16/02 LAST NM 7/04 Add Depth 9 fathoms 4 feet Depth 8 fathoms 5 feet Depth 11 fathoms (NOS)	16/04
<b>18600</b>	14Ed. 1/26/02 LAST NM 5/04 Delete Light 41°50.2'N 124°22.5'W (Note: Position circle “TR” remains) (Supersedes 5/04-18600) (9/04 CG11)	16/04	<b>18775</b>	2Ed. 7/23/88 LAST NM N1/04 Delete Buoy “A” (9/04 CG11)	N16/04
<b>★18603</b>	16Ed. 12/02 LAST NM 5/04 Delete Light 41°50'14"N 124°22'32"W (Note: Position circle “TOWER” remains) (Supersedes 5/04-18603) (9/04 CG11)	16/04	<b>19002</b>	9Ed. 3/1/97 LAST NM N12/04 Change Visibility (range) of light to 23M (10/04 CG14)	N16/04
<b>18649</b>	63Ed. 9/03 LAST NM 11/04 Relocate Light “4” from 37°54'21.7"N 122°24'03.7"W to 37°54'23.7"N 122°24'03.4"W Light “10” from 37°54'13.4"N 122°22'32.4"W to 37°54'12.1"N 122°22'33.6"W Range light, front “14” from 37°54'08.8"N 122°21'39.8"W to 37°54'08.7"N 122°21'36.7"W Note: Range bearing unchanged (4/04 CG11)	16/04	<b>19004</b>	36Ed. 8/25/01 LAST NM 12/04 Change Light to Fl 10s 174ft 23M (10/04 CG14)	16/04
<b>★18651</b>	42Ed. 2/03 LAST NM 48/03 Relocate Buoy “10” from 37°35'05.5"N 122°15'15.1"W to 37°35'01.8"N 122°15'13.8"W Light “2” from 37°33'10.5"N 122°11'49.6"W to 37°33'10.4"N 122°11'47.5"W Light “17” from 37°28'44.2"N 122°04'35.0"W to 37°28'43.5"N 122°04'37.3"W (Inset Redwood Creek) Relocate Light “2” from 37°33'10.5"N 122°11'49.6"W to 37°33'10.4"N 122°11'47.5"W Light “5” from 37°32'26.2"N 122°11'34.0"W to 37°32'25.7"N 122°11'33.7"W (4/04 CG11)	16/04	<b>19007</b>	16Ed. 2/12/94 LAST NM 12/04 Change Visibility (range) of light to 23M (10/04 CG14)	16/04
			<b>19008</b>	4Ed. 11/3/84 LAST NM 12/04 Change Light to Fl 10s 174ft 23M (10/04 CG14)	16/04
			<b>19009</b>	4Ed. 2/16/85 LAST NM 12/04 Change Light to Fl 10s 174ft 23M (10/04 CG14)	16/04
			<b>19013</b>	16Ed. 1/25/97 LAST NM 12/04 Change Light to Fl 10s 174ft 23M (10/04 CG14)	16/04
			<b>19379</b>	1Ed. 8/16/97 LAST NM N13/04 Change Light to Fl 10s 174ft 23M (10/04 CG14)	N16/04
					22°13.9'N 159°24.1'W

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<b>19380</b>	15Ed. 10/03 LAST NM 12/04 Change Light to Fl 10s 174ft 23M (10/04 CG14)	16/04 22°13.9'N 159°24.1'W	<b>★28196</b>	4Ed. 3/27/99 LAST NM 18/03 Add Pilot station symbol [T1.1]	16/04 20°31'15"N 87°01'17"W
<b>19381</b>	8Ed. 7/17/93 LAST NM 12/04 Change Light to Fl 10s 174ft 23M (10/04 CG14)	16/04 22°13'53"N 159°24'07"W	<b>Position circle "F P"</b> [E27] (NTM0003/2004)		20°30'38"N 86°57'02"W
<b>★19385</b>	8Ed. 10/03 LAST NM 3/04 Change Visibility (range) of light to 23M (10/04 CG14)	16/04 22°13'53.5"N 159°24'06.9"W			
<b>21582</b>	3Ed. 2/3/96 LAST NM 20/96 Change Visibility (range) of light to 19M (BA LL)	16/04 7°29'14"N 81°15'25"W			
<b>22051</b>	18Ed. 6/3/95 LAST NM 5/04 Add Legend "See chart 22052" (10/04 Bogota)	16/04 3°47'30"N 77°17'00"W			
<b>22294</b>	15Ed. 10/12/96 LAST NM 12/03 Add Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 (27(2827)03 Taunton)	16/04 33°35'00"S 71°37'00"W			
<b>24171</b>	19Ed. 5/4/96 LAST NM 52/03 Add Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 (13(70)03 Rio de Janeiro)	16/04 20°19'24"S 40°19'00"W			
<b>★25647</b>	10Ed. 9/20/97 LAST NM 30/00 Relocate Buoy "JC" from 18°21'28.8"N to 18°21'28.3"N 64°46'23.3"W	16/04 18°21'48.3"N 64°46'12.2"W			
	Add Buoy "JA" Y, can (Priv)	18°21'48.3"N 64°46'12.2"W			
	Buoy "JB" Y, can, Fl Y 6s (Priv)	18°21'34.1"N 64°46'16.0"W			
	Buoy "JD" Y, can, Fl Y 2.5s (Priv)	18°21'30.3"N 64°46'35.3"W			
	Buoy "JE" Y, can (Priv)	18°21'37.0"N 64°46'36.0"W			
	(16/03 CG7)				
<b>26081</b>	8Ed. 5/11/85 LAST NM 43/03 Add Buoy (mooring) [Q40]	16/04 12°35'40.9"N 81°43'03.8"W			
	Buoy (mooring) [Q40]	12°35'25.2"N 81°42'51.4"W			
	Buoy (mooring) [Q40]	12°33'23.8"N 81°44'17.2"W			
	Buoy (mooring) [Q40]	12°33'16.7"N 81°44'15.9"W			
	Buoy (mooring) [Q40]	12°32'39.7"N 81°44'06.5"W			
	Buoy (mooring) [Q40]	12°32'14.0"N 81°44'04.8"W			
	Buoy (mooring) [Q40]	12°30'50.6"N 81°43'55.4"W			
	Buoy (mooring) [Q40]	12°30'29.2"N 81°43'55.7"W			
	Buoy (mooring) [Q40]	12°30'12.6"N 81°43'58.0"W			
	Buoy (mooring) [Q40]	12°29'44.4"N 81°44'15.1"W			
	Buoy (mooring) [Q40]	12°29'22.5"N 81°43'00.7"W			
	Buoy (mooring) [Q40]	12°29'54.7"N 81°42'51.7"W			
	Buoy (mooring) [Q40]	12°30'08.9"N 81°42'32.7"W			
	(13/04 Bogota)				
<b>27120</b>	4Ed. 7/3/99 LAST NM 44/02 Add Pilot station symbol [T1.1] (NTM0003/2004)	16/04 20°31.3'N 87°01.3'W	<b>Substitute</b> Cautions note for same from Subsection I-2 18°48.0'N 90°51.0'W		
<b>28167</b>	4Ed. 1/21/84 LAST NM 36/98 Add Beacon RW [Q81] (NTM003/2004)	16/04 17°25'48"N 88°11'48"W	<b>Change</b> Legend to "Gas CAUTION NO 3" Legend to "Gas CAUTION NO 3"	18°56.5'N 92°10.9'W 18°58.2'N 92°06.3'W	
<b>28168</b>	22Ed. 6/1/96 LAST NM 38/98 Add Beacon RW [Q81] (NTM0003/2004)	16/04 17°25'48"N 88°11'48"W	<b>Add</b> "PRECAUTIONARY AREA R CAUTION NO 1" [N1.2] bound by purple dashed-line greater arc of a circle, radius 12 miles, centered	20°12.0'N 91°57.5'W	
<b>28190</b>	2Ed. 6/5/99 LAST NM 18/03 Add Pilot station symbol [T1.1] (NTM0003/2004)	16/04 20°31.3'N 87°01.3'W	Note: Area extends beyond chart border  "EXCLUSIONARY AREA E-2 CAUTION NO 2" [N2.1] bound by purple composite line joining	20°07.0'N 92°03.0'W 20°15.0'N 92°03.0'W 20°15.0'N 91°52.0'W 20°07.0'N 91°52.0'W	
			Purple dashed line joining	18°50.0'N 92°50.0'W 20°00.0'N 92°50.0'W 20°00.0'N 91°40.0'W 18°50.0'N 91°40.0'W	
			Legend "PRECAUTIONARY AREA M CAUTION NO 1"	19°58.7'N 91°44.6'W	
			Legend "PRECAUTIONARY AREA M CAUTION NO 1"	18°50.7'N 92°45.5'W	

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<b>28260</b>	(Continued)			
	Purple composite line joining			
		18°53.0'N 92°44.0'W 19°05.0'N 92°44.0'W 19°05.0'N 92°40.0'W 19°13.0'N 92°40.0'W 19°13.0'N 92°26.0'W 19°45.0'N 92°26.0'W 19°45.0'N 91°53.0'W 19°00.0'N 91°53.0'W 19°00.0'N 92°26.0'W 18°53.0'N 92°35.0'W		
	Legend "EXCLUSIONARY AREA E-1 CAUTION NO 2"	19°44.1'N 91°58.7'W		
	Legend "EXCLUSIONARY AREA E-1 CAUTION NO 2"	18°53.9'N 92°40.0'W		
	"EXCLUSIONARY AREA E-3 CAUTION NO 2" [N2.1] bound by purple composite-line circle, radius 3 miles, centered	18°37.5'N 93°10.2'W		
	Note: None of the above precautionary or exclusionary areas affect existing anchoring prohibited areas [N20]			
	Legend "NOTE NO 1" Legend "NOTE NO 1"	18°48.8'N 92°00.5'W 18°50.5'N 91°52.0'W		
	(2/04 Mexico, D.F.)			
<b>28263</b>	3Ed. 10/22/94 LAST NM 37/02	16/04		
Add	"PRECAUTIONARY AREA M CAUTION NO 5" [N1.2] bound by purple dashed line joining	18°50'00"N 92°00'00"W 18°50'00"N 91°40'00"W 18°56'37"N 91°40'00"W		
	Note: Area extends beyond chart border			
	Caution No. 5 to CAUTIONS note "5. Within Precautionary Area "M" no activities are allowed except: those involving petroleum exploration and exploitation; and the rapid, uninterrupted transit of fishing vessels enroute fishing grounds outside this area."			
	(2/04 Mexico, D.F.)	18°26'22"N 91°26'06"W		
<b>28300</b>	1Ed. 12/7/91 LAST NM 50/02	16/04		
Change	Line 6 of CAUTION note to "be exercised in navigating and anchoring. See larger scale charts, particularly 28260, for additional information on precautionary and exclusionary areas."	19°07.0'N 88°59.0'W		
	(2/04 Mexico, D.F.)			
<b>35101</b>	6Ed. 12/28/96 LAST NM 41/02	16/04		
Delete	Buoy (6/575)04 Taunton)	57°53'00"N 3°47'07"W		
<b>35120</b>	13Ed. 10/28/95 LAST NM 30/03	16/04		
Delete	Buoy (6/575)04 Taunton)	57°53'00"N 3°47'06"W		
<b>37221</b>	13Ed. 2/3/96 LAST NM 11/04	16/04		
Delete	Radio reporting point symbol Radio reporting point symbol Radio reporting point symbol Radio reporting point symbol	53°35.2'N 6°15.0'E 53°37.2'N 6°21.3'E 53°39.2'N 6°26.3'E 53°42.5'N 6°36.5'E		
	(30(22)03 Hamburg)			
<b>37222</b>	13Ed. 11/1/97 LAST NM 52/03	16/04		
Delete	Radio reporting point symbol Radio reporting point symbol Radio reporting point symbol Radio reporting point symbol	53°34'50"N 6°15'48"E 53°37'00"N 6°22'23"E 53°39'08"N 6°26'42"E 53°42'06"N 6°35'36"E		
	(30(21)03 Hamburg)			
<b>37223</b>	14Ed. 9/2/95 LAST NM 11/04	16/04		
Delete	Radio reporting point symbol Radio reporting point symbol Radio reporting point symbol Radio reporting point symbol	53°35.4'N 6°15.8'E 53°37.1'N 6°20.8'E 53°39.5'N 6°26.3'E 53°41.5'N 6°36.5'E		
	(30(22)03 Hamburg)			
<b>37224</b>	11Ed. 9/18/99 LAST NM 37/03	16/04		
Delete	Radio reporting point symbol Radio reporting point symbol Radio reporting point symbol	53°27'10"N 6°52'43"E 53°24'26"N 6°56'35"E 53°19'46"N 7°05'55"E		
Add	Radio reporting point symbol [M40] with direction pointers 270°-090°	53°19'52"N 7°12'33"E		
	(30(21)03 Hamburg)			
<b>42004</b>	1Ed. 9/7/02 LAST NM N13/04	N16/04		
	Substitute Racon for RC at light (22(986)02 Stavanger)	71°03.6'N 26°13.3'E		
<b>42038</b>	2Ed. 6/7/97 LAST NM 43/03	16/04		
Delete	Light (14(632)02 Stavanger)	77°00.4'N 15°24.2'E		
<b>42040</b>	3Ed. 11/9/96 LAST NM 3/98	16/04		
Delete	Light (14(632)02 Stavanger)	77°00.2'N 15°26.1'E		
<b>42046</b>	3Ed. 1/4/97 LAST NM 3/98	16/04		
Delete	Depth 270 meters	80°41'N 27°56'E		
Add	Depth 4 meters, blue tint and enclosing depth contour (10-meter) centered	80°01'N 16°44'E		
	Depth 43 meters enclosed by depth contour (50-meter)	80°56'N 17°15'E		
	Depth 52 meters (13(585)02 Stavanger)	80°42'N 27°58'E		
<b>42052</b>	2Ed. 6/28/97 LAST NM 3/98	16/04		
Add	Depth 4 meters, blue tint and enclosing depth contour (10-meter) centered	80°01.0'N 16°44.0'E		
	(13(585)02 Stavanger)			
<b>43000</b>	4Ed. 9/9/95 LAST NM 9/03	16/04		
Delete	R Bn at light (22(986)02 Stavanger)	71°04'N 26°13'E		
<b>43030</b>	24Ed. 4/5/97 LAST NM 14/04	16/04		
Add	Wreck Wreck	57°15.1'N 11°37.1'E 57°16.7'N 11°35.7'E		
	Swept depth 9.5 meters Wk [K27] Swept depth 14.9 meters Wk [K27]	54°38.6'N 13°12.1'E 54°40.5'N 13°15.1'E		
	(48(1548)03 Norrkoping; 30(16)03 Hamburg)			
<b>43040</b>	6Ed. 8/5/95 LAST NM 2/04	16/04		
Add	Purple tint area (traffic separation zone) bound by limit joining	70°49.4'N 30°24.8'E 70°50.3'N 30°26.4'E 70°51.9'N 30°18.7'E 70°51.0'N 30°17.1'E		
	Purple heavy dashed line (inside limit of traffic lane) between	70°48.2'N 30°22.4'E 70°49.8'N 30°14.6'E		
	Purple heavy dashed line (outside limit of traffic lane) between	70°51.6'N 30°28.8'E 70°53.2'N 30°21.1'E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 123°	70°49.6'N 30°19.5'E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 303°	70°51.7'N 30°23.5'E		
	Danger circle [K40] "Obstn (Marine farm)"	69°46.0'N 30°24.7'E		
	Depth 9.5 meters, blue tint and enclosing depth contour (10-meter) centered	69°46.9'N 30°02.0'E		
	Depth 3.4 meters, blue tint and enclosing depth contour (10-meter) centered	69°44.7'N 29°51.6'E		
	<b>(Plan A)</b> Buoy BY, spar, double cone topmark points upward	70°23'01"N 31°07'06"E		

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**NM 16/04**

**43040** (Continued)

<p>Submarine cable [L30.1] joining            70°22'51"N 31°07'00"E            70°22'54"N 31°06'52"E            70°23'03"N 31°06'54"E            70°23'04"N 31°07'15"E            70°23'04"N 31°08'59"E            (18(779)99, 18(763)00, 2(112), 13(619)03, 1(52)04 Stavanger)</p> <p><b>43041</b> 2Ed. 10/23/82 LAST NM 6/01 16/04            Add Danger circle [K40] "Obstn (Marine farm)"            69°54'07"N 29°40'50"E            Danger circle [K40] "Obstn (Marine farm)"            69°53'54"N 29°44'31"E            (13(619)03 Stavanger)</p> <p><b>43058</b> 3Ed. 2/7/98 LAST NM 20/03 16/04            Delete RC at light 71°03'41"N 26°13'22"E            Buoy 71°00'06"N 26°07'12"E            Change Sectors of light between 145° and 190° to            white 145°-152°30', obsc-156°, white-157°,            green-190° 70°58'38"N 25°57'59"E            Add Depth 9.7 meters enclosed by depth contour            (10-meter) 70°58'04"N 26°00'56"E            Depth 17 meters enclosed by depth contour            (20-meter) 71°05'46"N 26°04'55"E            (18(779)01, 22(986)02, 2(111)03, 3(126)04 Stavanger)</p> <p><b>43059</b> 3Ed. 9/6/97 LAST NM 20/03 16/04            Change Sectors of light between 145° and 190° to            white 145°-152°30', obsc-156°, white-157°,            green-190° 70°58'35"N 25°58'10"E            Add Depth 9.7 meters enclosed by depth contour            (10-meter) 70°58'04"N 26°00'56"E            (Plan)            Add Light Iso G 2s 70°59'23.0"N 25°57'47.5"E            (18(779)01, 2(111), 19(862)03 Stavanger)</p> <p><b>43060</b> 4Ed. 11/4/95 LAST NM 27/03 16/04            Delete R Bn at light 71°03.6'N 26°13.1'E            Beacon 70°34.6'N 26°57.1'E            Add Purple tint area (traffic separation zone) bound            by limit joining 71°13.0'N 28°31.9'E            71°13.8'N 28°33.5'E            71°15.4'N 28°25.8'E            71°14.6'N 28°24.1'E            Purple tint area (traffic separation zone) bound            by limit joining 71°15.3'N 28°16.2'E            71°16.3'N 28°16.8'E            71°16.9'N 28°07.8'E            71°15.9'N 28°07.2'E            Purple tint area (traffic separation zone) bound            by limit joining 71°17.1'N 27°47.7'E            71°18.1'N 27°48.3'E            71°18.3'N 27°43.8'E            71°18.4'N 27°39.5'E            71°17.5'N 27°39.2'E            71°17.4'N 27°43.5'E            Purple tint area (traffic separation zone) bound            by limit joining 71°20.3'N 25°51.4'E            71°21.3'N 25°51.6'E            71°21.6'N 25°42.4'E            71°20.6'N 25°42.1'E            Purple heavy dashed line (inside limit of traffic            lane) between 71°11.7'N 28°29.4'E            71°13.3'N 28°21.6'E            Purple heavy dashed line (outside limit of            traffic lane) between 71°15.0'N 28°36.1'E            71°16.6'N 28°28.4'E            Purple open-outlined dashed arrow indicating            recommended flow of traffic [M11] oriented            123° 71°13.2'N 28°26.2'E            Purple open-outlined dashed arrow indicating            recommended flow of traffic [M11] oriented            303° 71°15.1'N 28°31.0'E</p>	Purple heavy dashed line (inside limit of traffic lane) between 71°13.9'N 28°15.3'E 71°14.4'N 28°06.2'E Purple heavy dashed line (outside limit of traffic lane) between 71°17.8'N 28°17.8'E 71°18.4'N 28°08.6'E Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 101° 71°14.8'N 28°11.9'E Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 281° 71°17.2'N 28°13.5'E Purple heavy dashed line (inside limit of traffic lane) joining 71°15.6'N 27°47.0'E 71°15.9'N 27°43.0'E 71°16.0'N 27°38.7'E Purple heavy dashed line (outside limit of traffic lane) joining 71°19.6'N 27°49.2'E 71°19.8'N 27°44.6'E 71°20.0'N 27°39.9'E Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 095° 71°16.3'N 27°43.5'E Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 275° 71°19.0'N 27°43.9'E Purple heavy dashed line (inside limit of traffic lane) between 71°18.8'N 25°51.0'E 71°19.1'N 25°41.7'E Purple heavy dashed line (outside limit of traffic lane) between 71°22.8'N 25°52.0'E 71°23.1'N 25°42.8'E Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 095° 71°19.6'N 25°46.1'E Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 275° 71°22.1'N 25°47.2'E Depth 8.9 meters, blue tint and enclosing depth contour (10-meter) centered 70°32.6'N 26°48.9'E Depth 14 meters, blue tint and enclosing depth contour (20-meter) centered 70°29.6'N 26°54.0'E Depth 16.5 meters, blue tint and enclosing depth contour (20-meter) centered 70°28.6'N 26°58.3'E Depth 17 meters enclosed by depth contour (20-meters) 71°05.8'N 26°04.9'E (22(986)02, 2(112), 22(1027)03, 1(52)04 Stavanger) <p><b>43062</b> 2Ed. 6/26/76 LAST NM 6/92 16/04            Delete Beacon 70°34'36"N 26°56'50"E            Add Depth 4 fathoms 5 feet, blue tint and enclosing            depth contour (10-fathom) centered 70°32'32"N 26°49'00"E            Depth 7 fathoms 3 feet, blue tint and enclosing            depth contour (10-fathom) centered 70°29'32"N 26°54'06"E            Depth 9 fathoms, blue tint and enclosing            depth contour (10-fathom) centered 70°28'34"N 26°58'20"E            (2(112), 22(1027)03 Stavanger)</p> <p><b>43063</b> 2Ed. 10/16/82 LAST NM 34/99 16/04            Add Danger circle [K40] "Obstn (Marine farm)"            70°22'58"N 25°06'52"E            Danger circle [K40] "Obstn (Marine farm)"            70°23'53"N 25°08'12"E            Danger circle [K40] "Obstn (Marine farm)"            70°24'14"N 25°10'43"E            Danger circle [K40] "Obstn (Marine farm)"            70°23'29"N 25°09'59"E            Danger circle [K40] "Obstn (Marine farm)"            70°29'21"N 25°10'13"E            Danger circle [K40] "Obstn (Marine farm)"            70°29'35"N 25°11'38"E            (18(787)02 Stavanger)</p> <p><b>43064</b> 2Ed. 12/25/82 LAST NM 8/93 16/04            Add Danger circle [K40] "Obstn (Marine farm)"            70°08'28"N 25°14'28"E</p>
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<b>43064</b>	(Continued)	Danger circle [K40] "Obstn (Marine farm)" 70°09'01"N 25°08'36"E Danger circle [K40] "Obstn (Marine farm)" 70°09'44"N 25°09'19"E Danger circle [K40] "Obstn (Marine farm)" 70°10'30"N 25°10'02"E Danger circle [K40] "Obstn (Marine farm)" 70°11'03"N 25°11'15"E Danger circle [K40] "Obstn (Marine farm)" 70°10'49"N 25°16'32"E Danger circle [K40] "Obstn (Marine farm)" 70°12'20"N 25°00'47"E Danger circle [K40] "Obstn (Marine farm)" 70°13'52"N 25°07'00"E Danger circle [K40] "Obstn (Marine farm)" 70°14'40"N 25°23'58"E Danger circle [K40] "Obstn (Marine farm)" 70°15'59"N 25°26'45"E Danger circle [K40] "Obstn (Marine farm)" 70°17'13"N 25°09'12"E Danger circle [K40] "Obstn (Marine farm)" 70°18'01"N 25°11'59"E Danger circle [K40] "Obstn (Marine farm)" 70°22'58"N 25°06'52"E Danger circle [K40] "Obstn (Marine farm)" 70°23'53"N 25°08'12"E Danger circle [K40] "Obstn (Marine farm)" 70°24'14"N 25°10'43"E Danger circle [K40] "Obstn (Marine farm)" 70°23'29"N 25°09'59"E (18(787)02 Stavanger)	Rock awash [K12] (2(111)03 Stavanger)	70°48'28"N 24°15'55"E
<b>43080</b>	4Ed. 12/28/96 LAST NM 44/03 Substitute Depth 9.2 meters for 16 meters Depth 15 meters for 36 meters	16/04 70°12.5"N 23°07.8"E 71°03.0"N 24°36.7"E		
Add	Purple tint area (traffic separation zone) bound by limit joining	71°21.5"N 25°50.0"E 71°21.6"N 25°42.4"E 71°20.6"N 25°42.1"E 71°20.3"N 25°50.0"E		
	Purple heavy dashed line (inside limit of traffic lane) between	71°18.9"N 25°50.0"E 71°19.1"N 25°41.7"E		
	Purple heavy dashed line (outside limit of traffic lane) between	71°22.9"N 25°50.0"E 71°23.1"N 25°42.8"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 095°	71°19.8"N 25°46.5"E		
	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 275°	71°22.1"N 25°45.5"E		
	Rock awash [K12]	70°48.5"N 24°15.9"E		
	Depth 8.7 meters enclosed by depth contour (10-meter)	70°11.7"N 22°19.6"E		
	Depth 8.8 meters enclosed by depth contour (10-meter)	70°20.4"N 22°56.5"E		
	Depth 8.2 meters enclosed by depth contour (10-meter)	70°16.1"N 23°10.9"E		
	Depth 7.5 meters enclosed by depth contour (10-meter)	70°19.0"N 23°02.1"E		
	Depth 16 meters enclosed by depth contour (20-meter)	71°04.2"N 25°00.8"E		
	Depth 7.9 meters	70°53.3"N 24°19.0"E		
	Depth 1.7 meters	70°49.3"N 24°15.2"E		
	Depth 5 meters	71°02.5"N 24°12.3"E		
	Depth 7 meters	70°59.4"N 24°11.6"E		
	(2(111)03, 1(52)04 Stavanger)			
<b>43081</b>	4Ed. 6/7/97 LAST NM 11/00 Delete Depth 15 meters	16/04 70°48'28"N 24°16'04"E		
Add	Depth 7.9 meters enclosed by depth contour (10-meter)	70°53'18"N 24°19'12"E		
	Depth 7 meters enclosed by depth contour (10-meter)	70°49'30"N 24°14'38"E		
	Depth 1.7 meters enclosed by depth contour (10-meter)	70°49'20"N 24°15'13"E		
	Depth 4.1 meters enclosed by depth contour (10-meter)	70°48'28"N 24°11'13"E		
<b>43083</b>	4Ed. 9/7/96 LAST NM 34/99 Add Depth 8.7 meters enclosed by depth contour (10-meter) Depth 8.8 meters enclosed by depth contour (10-meter)	16/04 70°11'45"N 22°19'36"E 70°20'23"N 22°56'30"E (2(111)03 Stavanger)		
<b>43084</b>	3Ed. 1/23/99 LAST NM 24/99 Substitute Depth 9.2 meters enclosed by depth contour (10-meter) for 19 meters	16/04 70°12'37"N 23°08'00"E		
	Add Depth 8.7 meters enclosed by depth contour (10-meter)	70°11'46"N 22°19'30"E (2(111)03 Stavanger)		
<b>43321</b>	6Ed. 1/17/98 LAST NM 15/04 Substitute Depth 9.4 meters for 10 meters	16/04 60°20'39"N 5°09'54"E		
	Add Buoy, spar, QR (2(73), 3(120)04 Stavanger)	60°20'14"N 5°11'02"E		
<b>43360</b>	21Ed. 1/4/97 LAST NM 14/04 Add Wreck [K29] Wreck [K29]	16/04 57°15.1'N 11°37.1'E 57°16.7'N 11°35.7'E (48(1548)03 Norrkoping)		
<b>44036</b>	5Ed. 8/31/96 LAST NM 5/04 Add Wreck [K29] Wreck [K29]	16/04 57°15'08"N 11°37'09"E 57°16'40"N 11°35'41"E (48(1548)03 Norrkoping)		
<b>44040</b>	23Ed. 7/20/96 LAST NM 6/04 Add Wreck [K29] Wreck [K29]	16/04 57°15.1'N 11°37.1'E 57°16.7'N 11°35.7'E (48(1548)03 Norrkoping)		
<b>44043</b>	8Ed. 11/30/96 LAST NM 9/04 Add Wreck [K29]	16/04 57°16'40"N 11°35'41"E (48(1548)03 Norrkoping)		
<b>44044</b>	6Ed. 11/9/96 LAST NM 9/04 Add Wreck [K29] Wreck [K29]	16/04 57°15.1'N 11°37.1'E 57°16.7'N 11°35.7'E (48(1548)03 Norrkoping)		
<b>44045</b>	6Ed. 6/8/96 LAST NM 5/04 Add Depth 1 meter	16/04 56°17.8'N 12°47.2'E (48(1553)03 Norrkoping)		
<b>44047</b>	22Ed. 2/8/97 LAST NM 48/03 Add Depth 1 meter	16/04 56°17.8'N 12°47.2'E (48(1553)03 Norrkoping)		
<b>44048</b>	11Ed. 3/9/96 LAST NM 13/04 Add Depth 1 meter	16/04 56°17'48"N 12°47'12"E (48(1553)03 Norrkoping)		
<b>44081</b>	9Ed. 3/16/96 LAST NM 15/04 Add Swept depth 9.1 meters Wk [K27]	16/04 54°40'52"N 13°19'31"E Swept depth 14.9 meters Wk [K27]		
		54°40'33"N 13°15'04"E (30(16)03 Hamburg)		
<b>44100</b>	7Ed. 3/9/96 LAST NM 15/04 Add Swept depth 9.5 meters Wk [K27] Swept depth 14.9 meters Wk [K27]	16/04 54°38.6'N 13°12.1'E 54°40.5'N 13°15.1'E (30(16)03 Hamburg)		
<b>44161</b>	2Ed. 6/8/96 LAST NM 9/04 <b>(Panel B)</b> Add Depth 7.8 meters Rk [K14.2]	16/04 56°39'00.3"N 16°22'22.2"E (continued on next page)		

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**NM 16/04**

<b>44161</b> (Continued) <b>(Plan Kalmar)</b> Substitute Depth 7.8 meters Rk [K14.2] for swept depth 7.9 meters (44(1494)03 Norrkoping)	Add "Foul Ground" area bound by dashed line joining 18°56'51.6"N 72°53'14.7"E 18°56'51.6"N 72°53'44.7"E 18°57'26.4"N 72°53'44.7"E 18°57'26.4"N 72°53'14.7"E (23(420)03 Dehra Dun)
<b>44178</b> 2Ed. 4/13/96 LAST NM 2/04 Relocate Buoy from 58°47'26"N 17°50'22"E to 58°47'24"N 17°50'29"E Change Characteristic of light to Iso WRG 4s 58°53'46"N 17°57'34"E (38(1408), 48(1517)03 Norrkoping)	<b>63111</b> 9Ed. 4/13/96 LAST NM 9/03 <b>(Plan A)</b> Add Light Fl R 3s 15°24'56.8"N 73°48'13.7"E Light Fl R 3s 15°24'47.8"N 73°48'20.9"E Light Fl R 3s 15°24'39.4"N 73°48'28.1"E <b>(Plan B)</b> Add Dolphin [F20] "MD-1" Fl R 3s 15°24'56.8"N 73°48'13.7"E Dolphin [F20] "MD-2" Fl R 3s 15°24'47.8"N 73°48'20.9"E Dolphin [F20] "MD-3" Fl R 3s 15°24'39.4"N 73°48'28.1"E (10(215)03 Dehra Dun)
<b>44186</b> 2Ed. 6/15/96 LAST NM 12/04 Substitute Rock awash [K12] for beacon (38(1382)03 Norrkoping)	<b>63250</b> 6Ed. 10/13/01 LAST NM 5/04 Add Dangerous wreck [K28] (PA) 8°39.6'N 78°09.5'E (1(44)04 Dehra Dun)
<b>44260</b> 7Ed. 7/27/96 LAST NM 13/04 Add Buoy YB, spar, Q(6) + L Fl (48(1551)03 Norrkoping)	<b>63320</b> 8Ed. 7/23/94 LAST NM 9/04 Delete Legend "PA" from dangerous wreck 21°01.2'N 88°19.4'E Stranded wreck 21°06.8'N 88°20.2'E Stranded wreck 21°04.0'N 88°10.5'E (See 37/03-63320) Add Stranded wreck [K24] 21°06.8'N 88°20.6'E Stranded wreck [K24] 21°04.1'N 88°10.0'E (1(45)04 Dehra Dun)
<b>44410</b> 4Ed. 2/8/97 LAST NM 9/04 Delete Pilot station symbol	<b>63321</b> 6Ed. 9/26/98 LAST NM 49/03 Delete Dangerous wreck (PA) 21°01'10"N 88°19'25"E Stranded wreck 21°06'50"N 88°20'15"E Stranded wreck 21°03'57"N 88°10'30"E (See 37/03-63321) Add Dangerous wreck [K28] 21°01'04"N 88°19'26"E Stranded wreck [K24] 21°06'47"N 88°20'34"E Stranded wreck [K24] 21°04'08"N 88°09'58"E (1(45)04 Dehra Dun)
<b>52051</b> 1Ed. 3/12/94 LAST NM 43/02 Add Chartlet, depicting changes in hydrography, from Subsection I-2 36°48'24"N 2°27'24"W (26(423)03 Cadiz; Spn CH 4591)	<b>93721</b> 5Ed. 6/5/99 LAST NM 14/04 Delete Light 22°15'09"N 113°51'35"E Depth 15.5 meters Wk 22°22'51"N 113°53'45"E Dangerous wreck 22°25'43"N 113°53'13"E (See 9/02-93721) (5(9)04 Hong Kong; 3(57, 59)04 Tianjin)
<b>52052</b> 1Ed. 4/23/94 LAST NM 43/02 Add Chartlet A, depicting changes in hydrography, from Subsection I-2 36°49'18.0"N 2°28'49.0"W Chartlet B, depicting changes in hydrography, from Subsection I-2 36°49'12.0"N 2°27'09.0"W Chartlet C, depicting changes in hydrography, from Subsection I-2 36°48'14.0"N 2°25'14.0"W (26(423)03 Cadiz; Spn CH 4591)	<b>93730</b> 3Ed. 6/29/96 LAST NM 14/04 Add Depth 24.5 meters Wk [K26] 22°14.4'N 114°21.8'E Depth 16.7 meters Wk [K26] 22°20.4'N 114°29.4'E (4(7), 5(13)04 Hong Kong)
<b>63101</b> 15Ed. 3/5/94 LAST NM 40/03 Delete Legend "PA" from dangerous wreck	<b>93733</b> 13Ed. 6/28/97 LAST NM 14/04 Substitute Depth 16.6 meters Wk for 11.4 meters Wk 22°15'04"N 114°22'00"E Add Depth 24.5 meters Wk [K26] 22°14'26"N 114°21'51"E Depth 16.7 meters Wk [K26] 22°20'26"N 114°29'25"E Buoy BRB, pillar, double ball topmark, Fl(2) 10s 22°15'05"N 114°22'06"E (4(7), 5(13)04 Hong Kong; 3(53, 60)04 Tianjin)
<b>63102</b> 19Ed. 10/30/93 LAST NM 40/03 Delete Legend "PA" from dangerous wreck	<b>93736</b> 24Ed. 12/20/03 LAST NM 11/04 Add Depth 4.4 meters 22°19'37.2"N 114°08'45.6"E (5(10)04 Hong Kong)
Add "Foul Ground" area bound by dashed line joining 18°56'52"N 72°53'15"E 18°56'52"N 72°53'45"E 18°57'26"N 72°53'45"E 18°57'26"N 72°53'15"E (23(420)03 Dehra Dun)	<b>94028</b> 7Ed. 9/16/95 LAST NM 4/04 Add Dangerous wreck [K28] 35°03.2'N 129°11.0'E Dangerous wreck [K28] 35°34.9'N 125°49.9'E Wreck [K29] (PA) 36°52.0'N 125°20.0'E (50(935, 940)03, 9(128)04 Inchon)
<b>63103</b> 17Ed. 8/14/93 LAST NM 16/03 Delete Legend "PA" from dangerous wreck	<b>94033</b> 5Ed. 10/28/95 LAST NM 12/04 Add Wreck [K29] (PA) 36°52.0'N 125°20.0'E (50(940)03 Inchon)

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<b>94042</b>	9Ed. 5/25/96 LAST NM 13/04 <b>(Panel A)</b> Add Dangerous wreck [K28] "Rep (2003)" 23°17'57.2"N 116°49'56.7"E	16/04	<b>96763</b>	7Ed. 8/22/98 LAST NM 6/04 Delete Light Light Add Light Iso R 6s 18m 11M Horn 42°58'41.3"N 144°20'58.3"E Double solid line with land tint (breakwater) [F4.1] between 42°58'41.3"N 144°20'58.3"E 42°58'41.0"N 144°20'59.1"E (6(151)04 Tokyo)	16/04 42°58'40.9"N 144°20'59.2"E 42°58'35.0"N 144°21'19.0"E
<b>94160</b>	7Ed. 3/23/96 LAST NM 13/04 Add Dangerous wreck [K28] (3(65)04 Tianjin)	16/04 27°50.7'N 121°19.2'E	<b>96941</b>	8Ed. 5/31/97 LAST NM 9/04 Add Submarine pipeline [L40.1] joining (3(53)04 Tokyo)	16/04 43°00.2'N 140°25.3'E 43°00.3'N 140°25.9'E 42°59.8'N 140°29.7'E 42°59.4'N 140°30.5'E
<b>94180</b>	9Ed. 10/28/95 LAST NM 6/04 Add Dangerous wreck [K28] (3(65)04 Tianjin)	16/04 27°50.7'N 121°19.2'E	<b>96945</b>	3Ed. 2/1/97 LAST NM 42/03 Add Submarine pipeline [L40.1] joining (3(53)04 Tokyo)	16/04 43°00'14"N 140°25'20"E 43°00'16"N 140°25'54"E 42°59'50"N 140°29'43"E 42°59'25"N 140°30'28"E
<b>94360</b>	6Ed. 10/21/95 LAST NM 12/04 Delete Anchorage area bound by dashed line joining (3(52)04 Tianjin)	16/04 38°15.8'N 119°41.7'E 38°15.8'N 119°44.8'E 38°13.0'N 119°44.8'E 38°13.0'N 119°41.7'E	<b>96960</b>	3Ed. 5/10/97 LAST NM 47/03 Add Submarine pipeline [L40.1] joining (3(53)04 Tokyo)	16/04 43°00.2'N 140°25.3'E 42°59.8'N 140°29.7'E 42°59.4'N 140°30.5'E
<b>94420</b>	3Ed. 9/23/95 LAST NM 12/04 Delete Anchorage area bound by dashed line joining (3(52)04 Tianjin)	16/04 38°16.0'N 119°41.8'E 38°16.0'N 119°44.8'E 38°13.0'N 119°44.8'E 38°13.0'N 119°41.8'E	<b>97015</b>	10Ed. 2/4/89 LAST NM 51/01 Add Submarine cable [L30.1] joining (3(58)04 Tokyo)	16/04 36°19.2'N 140°46.5'E 36°08.4'N 141°37.8'E 35°09.9'N 141°18.1'E 34°51.4'N 141°24.2'E 34°08.1'N 140°50.9'E 34°07.1'N 140°27.3'E 33°58.1'N 140°06.2'E 33°23.9'N 139°32.6'E 33°23.9'N 139°06.2'E
<b>95060</b>	13Ed. 8/5/95 LAST NM 33/03 Add Wreck [K29] (PA) (50(940)03 Inchon)	16/04 36°52.0'N 125°20.0'E	<b>97021</b>	7Ed. 6/30/90 LAST NM 40/03 Add Dangerous wreck [K28] Submarine cable [L30.1] joining (50(935)03 Inchon; 3(58)04 Tokyo)	16/04 35°03.3'N 129°11.0'E 34°06.4'N 140°36.9'E 34°07.1'N 140°27.3'E 33°59.6'N 140°11.2'E 33°58.1'N 140°06.2'E 33°23.9'N 139°32.6'E 33°23.9'N 139°06.2'E
<b>95080</b>	13Ed. 6/24/95 LAST NM 52/03 Add Wreck [K29] (PA) Dangerous wreck [K28] (50(940)03, 9(128)04 Inchon)	16/04 36°52'00"N 125°20'00"E 35°34'57"N 125°49'54"E	<b>97029</b>	3Ed. 7/19/86 LAST NM 40/03 Add Submarine cable [L30.1] joining (3(58)04 Tokyo)	16/04 34°10.1'N 140°52.6'E 34°06.9'N 140°47.7'E 34°07.1'N 140°27.3'E 33°59.6'N 140°11.2'E 33°58.1'N 140°06.2'E 33°23.9'N 139°32.6'E 33°23.9'N 139°06.2'E
<b>95140</b>	15Ed. 10/7/95 LAST NM 4/04 Add Dangerous wreck [K28] Depth 14.5 meters Wk [K26] (50(935, 936)03 Inchon)	16/04 35°03'15"N 129°11'00"E 35°05'31"N 129°05'55"E	<b>97100</b>	4Ed. 8/8/98 LAST NM 49/03 Add Submarine cable [L30.1] joining (3(58)04 Tokyo)	16/04 36°23'17"N 140°36'56"E 36°23'33"N 140°37'37"E 36°22'20"N 140°38'21"E 36°19'12"N 140°46'30"E 36°18'06"N 140°58'24"E 36°15'48"N 141°04'30"E 36°12'54"N 141°31'42"E
<b>95149</b>	9Ed. 6/12/99 LAST NM 52/03 Add Dangerous wreck [K28] Depth 14.5 meters Wk [K26] (50(935, 936)03 Inchon)	16/04 35°03'15"N 129°11'00"E 35°05'31"N 129°05'55"E	<b>97187</b>	3Ed. 2/14/98 LAST NM 2/04 Delete Purple composite line joining (6(151)04 Tokyo)	16/04 34°58'58.0"N 136°41'01.5"E 34°58'59.0"N 136°41'01.9"E 34°58'59.5"N 136°41'08.2"E
<b>95151</b>	17Ed. 11/28/98 LAST NM 37/03 Add Depth 14.5 meters Wk [K26] (50(936)03 Inchon)	16/04 35°05'31.0"N 129°05'55.0"E			
<b>95160</b>	13Ed. 8/19/95 LAST NM 14/04 Add Dangerous wreck [K28] (50(935)03 Inchon)	16/04 35°03.2'N 129°11.0'E			
<b>96004</b>	14Ed. 10/7/95 LAST NM 45/02 Add Submarine pipeline [L40.1] between (3(53)04 Tokyo)	16/04 43°00.2'N 140°25.3'E 42°59.4'N 140°30.5'E			
<b>96762</b>	4Ed. 9/13/03 LAST NM 50/03 Delete Light Change Light to Iso R 6s 11M HORN Add Solid line (breakwater) [F4.1] joining (6(151)04 Tokyo)	16/04 42°58'35"N 144°21'19"E 42°58'41"N 144°20'58"E 42°58'37"N 144°21'11"E 42°58'31"N 144°21'16"E			

(continued on next page)

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**97187** (Continued)

Purple composite line joining 34°58'58.2"N 136°41'25.0"E  
34°58'58.3"N 136°41'29.0"E  
34°58'58.2"N 136°41'29.2"E  
34°58'58.0"N 136°41'28.5"E

(See 2/04-97187)

Add

Purple composite line (prohibited area) [N2.2]  
between 34°58'58.0"N 136°41'08.5"E  
34°58'59.5"N 136°41'08.2"E

Purple composite line (prohibited area) [N2.2]  
between 34°58'58.0"N 136°41'25.2"E  
34°58'58.2"N 136°41'25.0"E

(Jpn CH W94)

**800669** 8Ed. 9/15/90 LAST NM N1/04 N16/04  
Delete Buoy "A" 33°01'34"N 118°33'44"W  
(9/04 CG11)

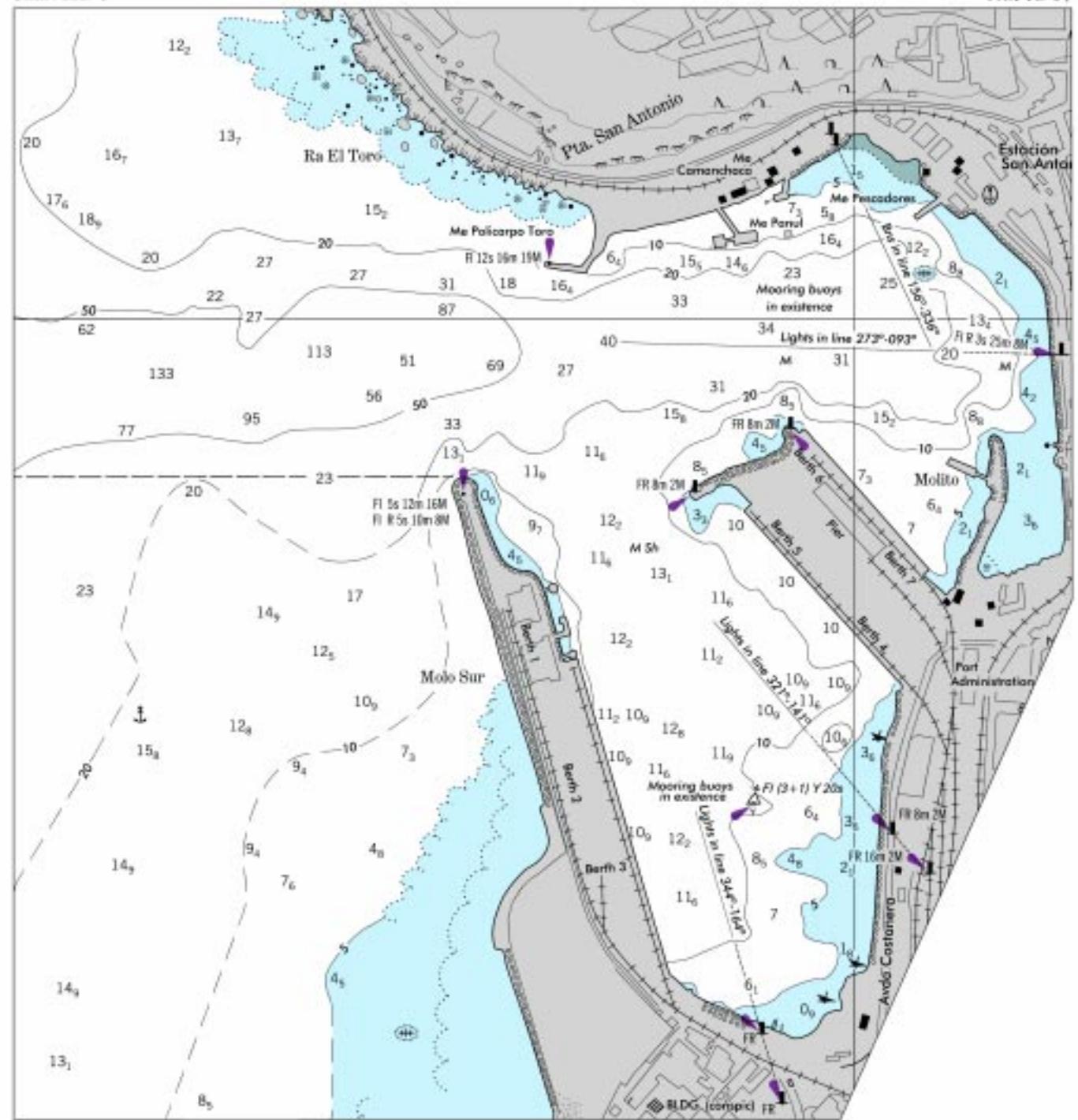


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Chart 22294

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Chart 52051

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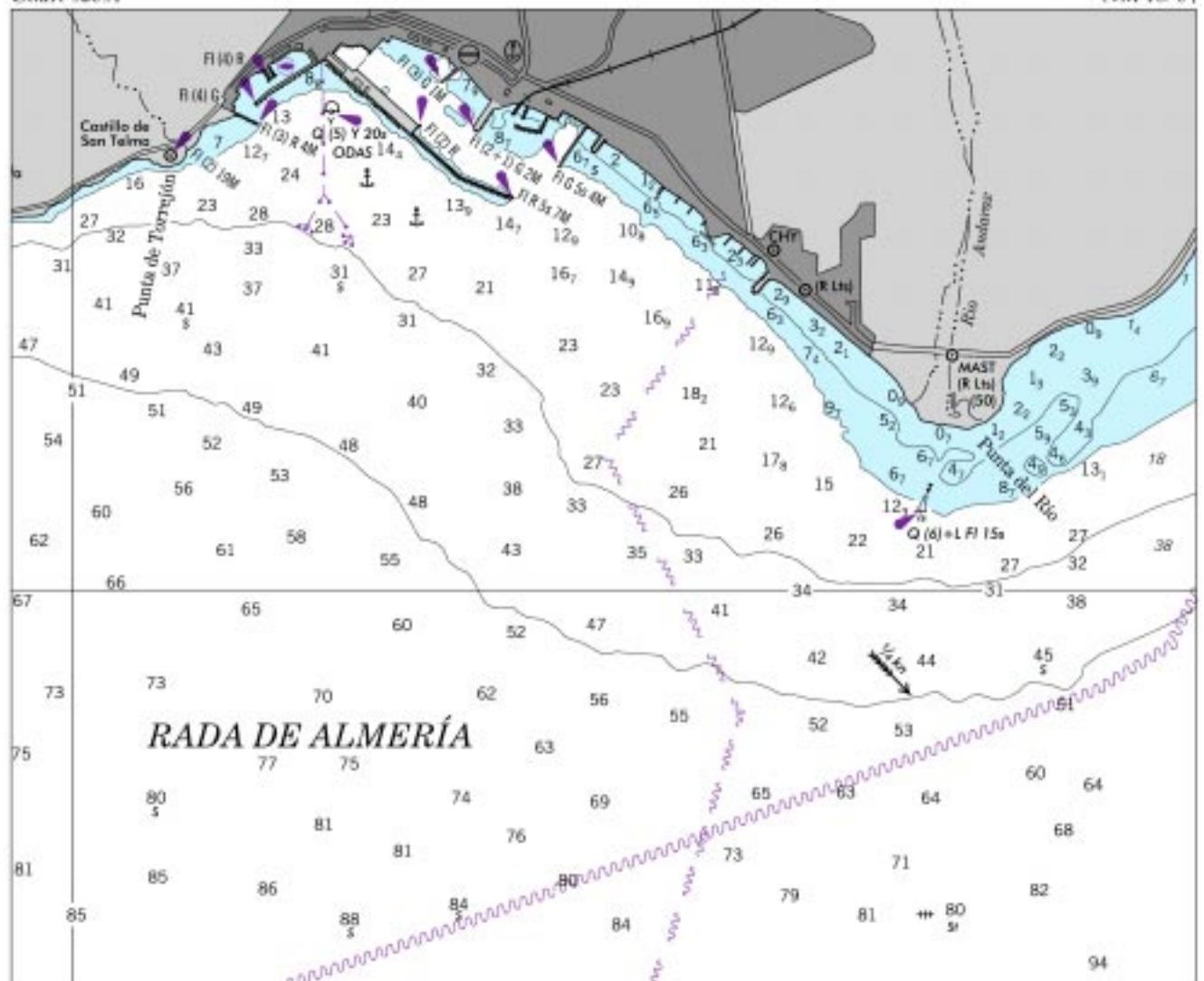
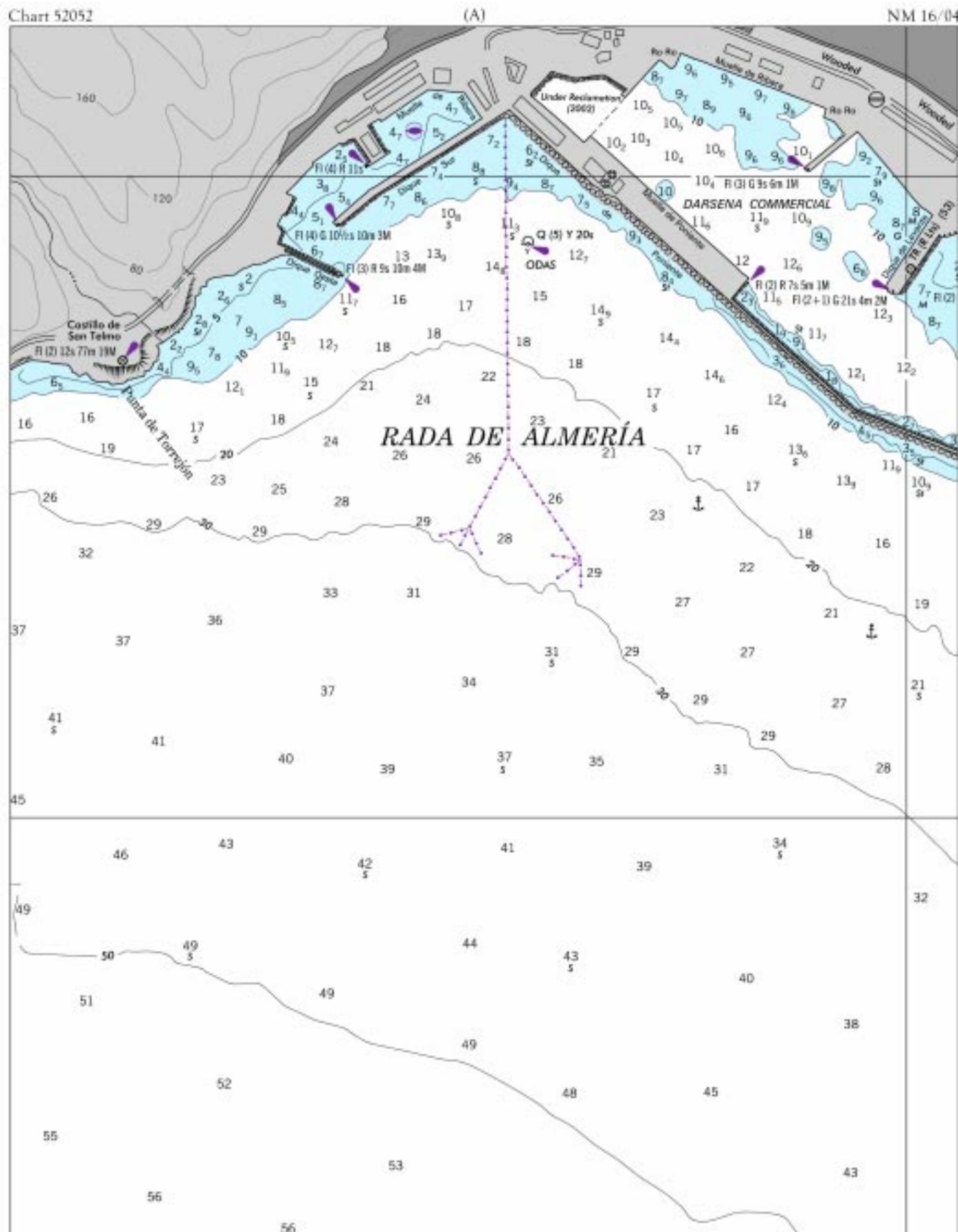


Chart 52052



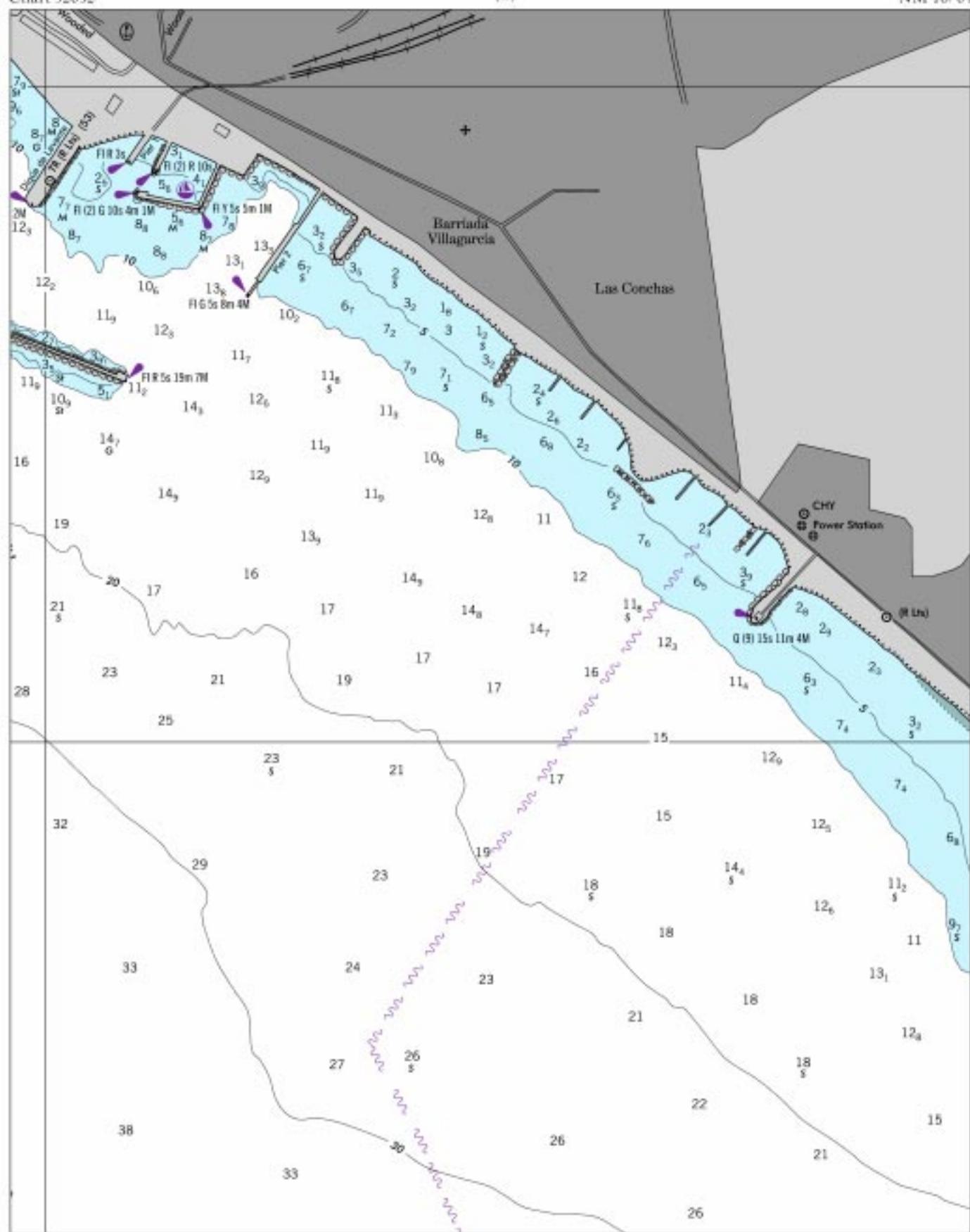
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Chart 52052

(B)

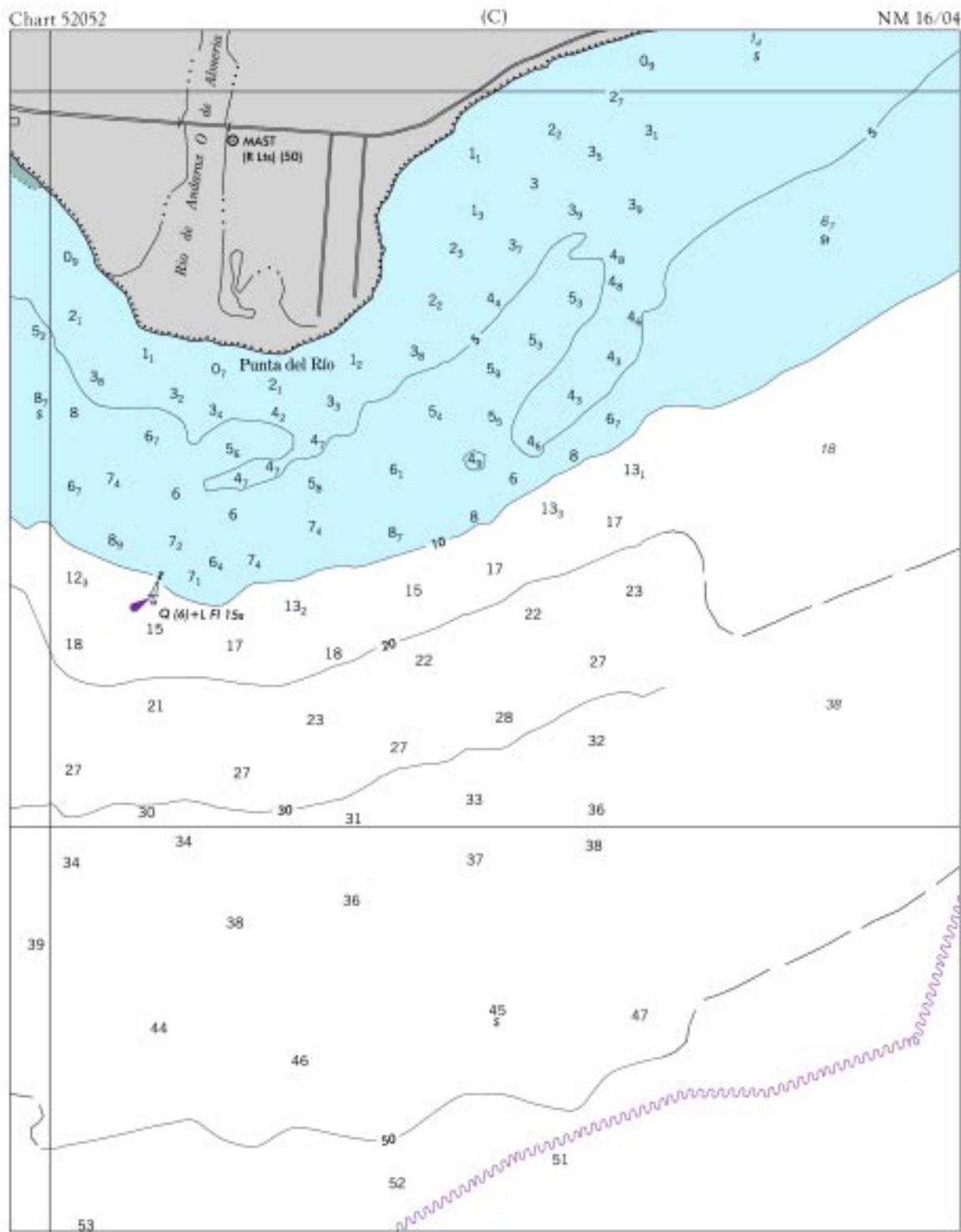
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I-2.5

## SECTION I

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## SECTION I

Chart 11376

NM 16/04

MOBILE BAY AND RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 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) DEPTH MLLW (FEET)
ENTRANCE CHANNEL	42.2	47.0	44.2	7-03	600 7.0 47
MOBILE BAY:					
LOWER REACH (TO LIGHT 50)	40.8	44.6	42.5	7-03	400 11.8 45
UPPER REACH	32.1	39.7	36.5	7-03	400 13.4 40-45
MOBILE RIVER:					
PINTO ISLAND REACH	32.9	39.6	32.6	11-03	700-800 0.6 40
MOBILE CHANNEL	33.1	39.1	37.6	11-03	600 1.5 40
MOBILE TURNING BASIN	39.3	39.9	36.5	11-03	200-675 0.4 40
BLAKELEY ISLAND REACH	38.7	36.1	30.0	11-03	500 1.0 40
ST. LOUIS POINT REACH	18.9	25.4	22.3	6-00	500 0.2 25
CHICKASAW CREEK CHANNEL	15.6	24.7	22.4	7-01	250 2.7 25
ARLINGTON CHANNEL	17.3	18.8	18.4	9-03	150 1.4 27
OCEAN TERMINAL TURNING BASIN	17.4	18.4	11.1	9-03	600 0.1 27
THEODORE SHIP CHANNEL:					
BAY CUT	35.2	37.5	37.1	9-01	400 4.5 40
ANCHORAGE AREA	40.0	40.0	39.9	9-01	300 0.2 40
LAND CUT	36.6	38.4	A36.6	9-01	300 1.5 40
TURNING BASIN	37.0	38.0	34.8	9-01	1400 0.3 40
BARGE CHANNEL	9.5	10.5	7.9	1-04	100 1.1 12
A. ROCK OBSTRUCTIONS REPORTED FROM BUOY '20', CONTINUING FOR APPROXIMATELY 600 FEET EASTWARD. MINIMUM DEPTH OVER ROCKS IS 38 FEET.					
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION					

Chart 11505

NM 16/04

SAVANNAH RIVER 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	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
TYBEE RANGE	44.0	44.0	45.0	44.0	02-04	600 3.3 44
BLOODY POINT RANGE	43.5	44.0	44.0	43.5	02-04	600 3.0 44
JONES ISLAND RANGE	43.5	43.0	43.5	44.0	02-04	600 1.2 44
TYBEE KNOB CUT RANGE	42.5	44.0	43.0	44.0	02-04	500 2.5 42
NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.						
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.						
NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

## SECTION I

Chart 11506

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BRUNSWICK 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)
BAR CHANNEL (ST SIMON RANGE)	32.0	34.0	A31.0	10-08	500	7.7 32
PLANTATION CREEK RANGE	44.0	40.0	38.0	1-04	400	1.8 32
JEKYLL ISLAND RANGE	31.0	31.0	33.0	1-04	400	1.9 30
CEDAR HAMMOCK RANGE	30.0	30.0	28.0	1-04	400	1.4 30
BRUNSWICK PT CUT RANGE	27.5	28.0	28.0	1-04	400	2.4 30
EAST RIVER LOWER REACH	B29.5	30.0	29.0	1-04	400	1.1 30
UPPER REACH	26.0	27.5	26.0	1-04	350	1.0 27
EAST RIVER TURNING BASIN	27.0	27.5	27.5	1-04	750	0.2 30
TURTLE RIVER LOWER RANGE	32.5	29.0	29.0	1-04	300	1.7 30
BLYTHE ISLAND RANGE	30.5	25.5	25.0	1-04	300	1.5 30
TURTLE RIVER UPPER RANGE	26.0	27.0	25.5	1-04	300	1.7 30
SOUTH BRUNSWICK RIVER	29.0	30.0	30.5	1-04	400	1.3 30
A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W. B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 30.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 29.5 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE. NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN) NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 11512

NM 16/04

SAVANNAH RIVER 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	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)
TYBEE RANGE	44.0	44.0	45.0	44.0	02-04	600 3.3 44
BLOODY POINT RANGE	43.5	44.0	44.0	43.5	02-04	600 3.0 44
JONES ISLAND RANGE	43.5	43.0	43.5	44.0	02-04	600 1.2 44
TYBEE KNOLL CUT RANGE	42.5	44.0	43.0	44.0	02-04	500 2.5 42
NEW CHANNEL RANGE (A)	43.0	42.5	43.0	43.5	02-04	500 1.6 42
L. I. CROSSING RANGE	44.0	42.0	44.0	41.0	02-04	500 2.6 42
LOWER FLATS RANGE	44.0	45.5	42.0	44.0	02-04	500 1.3 42
UPPER FLATS RANGE	44.0	45.5	42.0	45.0	02-04	500 1.2 42
THE BIGHT CHANNEL	44.0	47.0	47.5	46.5	02-04	500 1.5 42
FT. JACKSON RANGE	44.5	46.5	47.0	41.5	02-04	500 0.7 42
OGLETHORPE RANGE	42.0	43.0	44.5	42.5	02-04	500 1.2 42
WRECKS CHANNEL (B)	41.0	42.5	45.5	44.0	02-04	500 1.5 42
CITY FRONT CHANNEL	42.0	42.0	43.5	40.0	02-04	500 1.5 42
MARSH ISLAND CHANNEL (C)	42.0	44.0	44.0	42.0	02-04	500 1.7 42
KINGS ISLAND CHANNEL (D)	40.5	42.0	41.0	42.0	02-04	500 2.1 42
WHITEHALL CHANNEL (E)	33.0	33.0	34.0	36.0	02-04	400 0.6 42-36
PORT WENTWORTH CHANNEL (F)	30.0	31.5	32.0	32.0	12-94; 02-04	200 1.2 30
A. OYSTER BED I TURNING BASIN-CONTROLLING DEPTH 43.0 FT, 40.0 FT 100 FT FROM BACKSIDE. B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 30.5 FT 100 FT FROM BACKSIDE. C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 34.5 FT, 29.5 FT 100 FT FROM BACKSIDE. D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 45.0 FT, 49.0 FT 100 FT FROM BACKSIDE. E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT 100 FT FROM BACKSIDE. F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 31.5 FT, 28.5 FT 100 FT FROM BACKSIDE. NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR. NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS. NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 11514 (Side A)

NM 16/04

SAVANNAH RIVER 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	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (FEET)
OGLETHORPE RANGE	42.0	43.0	44.5	42.5	02-04	500	1.2	42
WRECKS CHANNEL (A)	41.0	42.5	45.5	44.0	02-04	500	1.5	42
CITY FRONT CHANNEL	42.0	42.0	43.5	40.0	02-04	500	1.5	42
MARSH ISLAND CHANNEL (B)	42.0	44.0	44.0	42.0	02-04	500	1.7	42
KINGS ISLAND CHANNEL (C)	40.5	42.0	41.0	42.0	02-04	500	2.1	42
WHITEHALL CHANNEL (D)	33.0	33.0	34.0	36.0	02-04	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	31.5	32.0	32.0	12-94, 02-04	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 30.5 FT 100 FT FROM BACKSIDE.  
 B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 34.5 FT, 29.5 FT 100 FT FROM BACKSIDE.  
 C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 45.0 FT, 49.0 FT 100 FT FROM BACKSIDE.  
 D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT 100 FT FROM BACKSIDE.  
 E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 31.5 FT, 28.5 FT 100 FT FROM BACKSIDE.

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

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

Chart 12311

NM 16/04

CHRISTINA RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM						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)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	37.7	37.7	37.7	1-04	500-340	0.70	38
THENCE TO THE LOBDELL CANAL TURNING BASIN (OPPOSITE TERMINAL WHARF)	34.5	34.1	34.9	1-04	400	0.33	35
	37.8	37.8	37.1	1-04	320	0.34	38

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

Chart 12312

NM 16/04

CHRISTINA RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM						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)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	37.7	37.7	37.7	1-04	500-340	0.70	38
THENCE TO THE LOBDELL CANAL TURNING BASIN (OPPOSITE TERMINAL WHARF)	34.5	34.1	34.9	1-04	400	0.33	35
	37.8	37.8	37.1	1-04	320	0.34	38

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

## SECTION I

NM 16/04

Chart 28221 (Plan A)

NM 16/04

### CAUTION

The entire area of this plan lies within  
Exclusionary Area "E-2". No vessel or aircraft  
traffic is allowed except that involved with  
petroleum operations.

Chart 28260

NM 16/04

### CAUTIONS

1. Within the precautionary areas no activities are allowed except those involving petroleum exploration and exploitation; and the rapid, uninterrupted transit of fishing vessels enroute fishing grounds outside these areas.
2. Within the exclusionary areas no vessel or aircraft traffic is allowed except that involved with petroleum operations.
3. Attention is called to the fact that in many cases pipelines are not buried and charted depths may be decreased by up to two meters. Also, gas pipelines contain flammable natural gas under high pressure. A vessel damaging a line could face an immediate fire hazard or loss of buoyancy. Vessels are advised not to anchor or travel in the vicinity of the pipelines.

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 3/03 THROUGH NM 16/04**

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	11009	36	6,12,19,39,52/03;5/04	11360	40	5,6,8,19,23,24,25,26,27, 29,30,34,35,37,38,49,50, 51,52/03;1,2,3,5,7,11,13, 14,15/04	11460	39	15/04*
21	4	4/04	11013	45	38*,40,50,52/03;16/04	11361	71	11*,12,13/04	11461	5	7,15,25,39,52/03
22	1	18/03;4/04	11300	39	28*,30,31,32,34,35,36, 44,45,50,51/03;5,6,7,10, 15/04	11362	4	N5,N6,N8,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,N15/04	11462	24	22,25/03;11/04
50	6	32*,34,40,50/03	11301	23	16,24,32/03;1,7/04	11363	39	47*,50,51/03;1,4,5,6,12, 13,14/04	11463	17	24/03*;11/04
53	2	34,50/03	11302	30	48/03*;1,7/04	11364	39	3*,4,5,8,9,18,19,21,23, 25,26,27,30,33,34,35,43, 50,51/03;1,4,6,13,14/04	11464	16	7,25/03
70	4	7,34/03	11304	12	5/04	11365	17	9,32,34,50/03;3,6,7,14, 15/04	11465	36	22,40/03
71	4	7,34/03	11305	1	N6,N7,N32/03;N1, N13/04	11366	8	52/03*;1,3,5,7,11,12,13, 14,15/04	11466	36	30*,31,40/03;11,14/04
72	4	7/03	11307	36	22,24,27,35,52/03;1/04	11367	32	38*,45,46,51/03;14/04	11467	38	5,14,16/04
73	4	34/03	11308	22	3*,7,10,23,25,32/03; 13/04	11368	22	19,21,23,30,33,34,35,45, 46,51,52/03;14/04	11468	40	16/04*
103	5	16/03;9/04	11309	37	48*,50/03;1,13/04	11369	44	9*,18,19,21,27,43,50/03; 1,6,13/04	11469	5	7,9,12,21,23,31,40/03
108	9	34,39/03	11310	1	N22,N23,N32/03;N1, N12/04	11370	24	38*,43/03;4,6,12/04	11470	36	10*,12,40/03;16/04
120	6	39/03	11311	23	26/03;1,12/04	11371	36	53*,48/03;4,6,12/04	11472	31	8*,25,40/03;14/04
124	10	18,34,39/03	11312	3	6,7,22,23,32/03;1,13/04	11372	30	7,8,10,19,23,24,26,27,31, 42,44/03;4,7,12/04	11473	16	13/03
125	7	21/03	11313	22	22,27,36,52/03;4,14/04	11373	43	48*,49/03;1,3,4,5,7, 14/04	11474	10	6,17,52/03
126	39	21/03	11314	23	15/04*	11374	32	2*,7,14/04	11475	16	13/03
145	16	39/03	11315	31	48/03*	11375	35	5,7,9,20,23,24,27,29,47, 51/03;1,7,14/04	11476	19	6,34/03;15/04
200	3	37/03	11316	39	17*,22,26,29,34/03;1, 15/04	11376	49	48*,49/03;5,7,11,16/04	11477	6	N15/04
204	4	4/04	11317	30	12/04*	11377	5	38*,44/03;7,14/04	11478	20	32*,50,52/03;13/04
211	5	4/04	11318	1	N6,N24,N25,N44, N50/03;N1,N13/04	11378	33	16/04*	11479	4	N6,N23,N25,N31,N34, N40,N52/03
301	1	14,21,24/03	11319	31	17*,19,20,25,26,29,30, 34/03	11379	36	35*,48/03;4,6,12/04	11480	38	30/03*;14/04
310	20	14,21,24,52/03;6/04	11320	1	N22,N23,N24,N52/03	11380	32	19,21,23,30,33,34,35,45, 46,51,52/03;14/04	11481	4	6,12,13,19,28,34,50, 52/03;13,15/04
400	3	29,33,34/03;6/04	11321	29	23,31,34/03;7,10,13, 14/04	11381	44	9*,18,19,21,27,43,50/03;	11482	22	11/04*
401	5	14,29,33,34,44/03;6/04	11322	28	19*,20,23,30,34,35,42, 47/03;1,7,14/04	11382	39	9,25,26,37,52/03;13/04	11483	33	22/03*
411	49	19*,22,23,24,25,26,29, 30,31,33,44,52/03;1,5,6, 16/04	11323	60	47*,49,51/03;1,3,5,6,9, 15/04	11383	50	52/03*;13/04	11484	15	36/03*
500	8	32*,34,41/03	11324	33	47*,49,52/03;1,14/04	11384	34	2*,13/04	11485	24	7,17,50/03;16/04
501	12	9*,10,18,21,22,24,40, 41/03;4,6,11/04	11325	35	26*,38,42,47/03;1,14/04	11385	25	49/03	11486	34	8*,12,20,22,31,50,52/03;
502	2	40,44/03;11/04	11326	32	15*,16/04	11386	32	7,32,42,51/03;2,7,13,14, 16/04	11487	17	14,16/04
503	4	1/04	11327	31	46*,52/03;1,14,16/04	11387	33	7,21,30,32,50,51/03;2,3, 7,14,16/04	11488	33	12,30,34,50,52/03;14/04
510	3	40/03	11328	23	43*,52/03;1,2,4,6,7, 14/04	11388	16	24,34/03	11489	9	N12,N20,N22,N31/03;
512	2	11/04	11329	35	48*,49,52/03;2,6,7,14/04	11389	32	16/04*	11490	9	N14/04
513	6	34,50/03	11330	15	50*,51/03;1,2,4,5,6,7,10, 13,14,15/04	11390	22	3*,7,14,16/04	11491	16	10/03;14/04
514	7	16/04*	11331	19	12*,14/04	11391	23	2*,3*,7,14,16/04	11492	21	10/03*
520	127	34,40,41/03;4,11/04	11332	28	6,17,19,20,23,25,31,34, 35,37,47,52/03;1,2,4,5,6, 12/04	11392	6	21,32,50/03;3,14/04	11493	16	11/03;14/04
521	11	34,50/03;11/04	11333	1	N35/03	11393	20	30,35,42/03;13,14/04	11494	8	N22/03;N14/04
523	8	34,50/03;11/04	11340	68	37*,38,45,46,49,50,51, 52/03;1,2,3,4,5,6,7,10,13, 14,15,16/04	11400	34	4,9,11,12,13,13/03;15,16/04	11495	9	N17,N19,N34/03;N5, N14/04
524	12	34/03	11341	39	14*,17,21,22,23,25,31, 34,37,38,47,52/03;1,2,3, 4,5,6,12,13/04	11401	29	27/03	11496	23	24,50/03;14/04
525	3	40/03	11342	52	27*,29,31,34,35,42,46, 47/03;1,6,13,14/04	11402	21	30*,34/03	11497	26	4,5,11,22,34,43,51/03; 14,16/04
526	10	6/03	11343	37	48*,49,50/03/4/04	11403	22	10/04*	11498	16	14/04
530	30	6,10,18,21,22,24,34,40, 41,44,50/03;4,7,11/04	11344	35	48*,49,52/03;2,6,7,14/04	11404	29	38/03*	11499	28	14/04
531	21	21,24,32,34,41/03;6/04	11345	31	9*,38/03/4/04	11405	11	9/03	11500	27	11,24/03;14/04
532	17	34,50/03;11,15/04	11346	33	4,6,7,8,19,20,21,23,25, 26,27,29,31,32,43,47,48, 50,51/03;4,9/04	11406	28	3/03*	11501	16	11/03;14/04
540	17	16/04*	11347	33	48*,49,50/03/4/04	11407	28	32/03*;15/04	11502	21	10/03*
541	2	6/03	11348	20	43*,47,51/03/4/04	11408	14	7,20/03;13,14,15,16/04	11503	40	2*,14/04
550	7	6/03	11349	40	23,26,27,31,36,52/03;6, 14,15/04	11409	41	6,7,11,12,13,14,20/03;13, 14,15,16/04	11504	15	12,22/03
600	5	45/03	11350	25	43/03*	11410	6	12,13,14,15,16/04	11505	1	4,5,11,22,34,43,51/03; 14,16/04
601	4	6,8,27,38/03	11351	38	20*,22,23,25,27,30,31, 34,48,50,51,52/03;1,3,5, 10,12,13,14,15/04	11411	33	15*,16/04	11506	40	10*,19,22,28,34,43,51, 52/03;14,16/04
602	6	6,38/03	11352	37	38*,49,50/03/4/04	11412	41	7,8,21,23,26,27,29,31, 34,38,43,46,47/03;4,5,9, 14,16/04	11507	31	9*,12,20/03;14/04
603	6	10/03	11353	35	9*,19,22,23,26,27,29,31, 34,38,43,46,47/03;4,5,9, 14,16/04	11413	6	12,13,14,15,16/04	11508	21	10/03*
604	5	38/03	11354	35	14*,17,21,22,23,25,31, 34,37,38,47,52/03;1,2,3, 4,5,6,12,13/04	11414	6	15*,16/04	11509	27	11,24/03;14/04
605	4	6/03	11355	25	38/03*;14/04	11415	33	2*,3*,7,14,16/04	11510	16	11/03;14/04
606	1	17/03	11356	33	4,6,7,8,19,20,21,23,25, 26,27,29,31,32,43,47,48, 50,51/03;4,9/04	11416	6	15*,16/04	11511	16	11/03;14/04
607	1	17,45/03	11357	36	38*,52/03/2,3,5,12,14, 15/04	11417	27	20*,21,22,25,52/03;	11512	59	10*,11,15,20,22,24,34, 43,51/03;14,16/04
622	9	6/03	11358	35	38*,51,52/03/3,4,6,13, 14/04	11418	33	15*,16/04	11513	23	24,50/03;14/04
623	9	19,36/03	11359	11	49,50/03/	11419	40	15*,16/04	11514	26	4,5,15,22,24,34,43,51/03;
624	3	7/04	11360	25	38/03*;14/04	11420	27	16/04	11515	12	28/03*
702	5	7/03	11361	25	38/03*;14/04	11421	18	14,25/03	11516	30	43*,50/03
703	4	7,44/03	11362	31	9*,38/03/4/04	11422	35	10*,14,15/04	11517	17	24/03
706	4	44/03	11363	33	4,6,7,8,19,20,21,23,25, 26,27,29,31,32,43,47,48, 50,51/03;4,9/04	11423	33	15*,16/04	11518	33	14*,19,28,50/03;14, 15/04
707	2	34,44/03	11364	35	48*,49,50/03/4/04	11424	25	17/03*	11519	12	28/03*
708	3	34,36/03	11365	35	38*,51,52/03/3,4,6,13, 14/04	11425	33	15*,16/04	11520	41	38*,39,50/03;1,2,5,7,8, 14/04
709	2	19,25/03	11366	36	38*,52/03/2,3,5,12,14, 15/04	11426	36	38*,52/03;14,15/04	11521	26	9,19,24,28,34,39/03;
800	4	15/04	11367	35	38*,51,52/03/3,4,6,13, 14/04	11427	33	15*,16/04	11522	19	14/04
803	1	15/04	11368	20	43*,47,51/03/4/04	11428	33	15*,04*	11523	21	5,9,19,24,28,34/03;14/04
1113A	20*	21,22,25,52/03; 16/04	11369	40	23,26,27,31,36,52/03;6, 14,15/04	11429	25	6,7,15,22/03	11524	46	8*,11,12,13,15,17,19,20, 22,28,34,33/03;14,15, 16/04
1114A	4,9,11,12,13/03;16/04	11370	25	43/03*	11430	25	17/03*	11525	6	N4,N6,N8,N24,N39, N50/03;N1,N2,N5,N7, N8/04	
1115A	5,6,8,19,23,24,25,26,27, 29,30,34,35,37,38,49,50, 51,52/03;1,2,3,5,7,11,13, 14,15/04	11371	38	20*,22,23,25,27,30,31, 34,48,50,51,52/03;1,3,5, 10,12,13,14,15/04	11431	25	17/03*	11526	10	20/03*	
1116A	37*,38,45,46,49,50,51, 52/03;1,2,3,4,5,6,7,10, 13,14,15,16/04	11372	37	13*,14,15/04	1143						

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 3/03 THROUGH NM 16/04

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.
11553	28	8/03*	12348	33	27,29,34/03	13312	21	10/03*	14214		N39/03*
11555	38	7,24,50/03;1,2,7/04	12350	57	29/03	13313	19	6,9,36/03	14215		N39/03*
12200	47	7,12,18/03;6,16/04	12352	30	46/03*	13316	22	28/03*	14216		N39*,N44/03;N5,N15/04
12201	25	N7,N12,N18,N24, N32/03;N1,N2,N6,N7, N16/04	12353	18	8/04*	13318	18	5,6,21/03	14217		N43/03*
12204	35	10*,33/03;5/04	12354	40	38/03*:2/04	13321	9	20/03*	14218		N39/03*:N6/04
12205	28	43*,50/03;5,11/04	12358	19	7,10/03	13323	7	5/03	14219		N40/03*:N6/04
12206	30	50/03*:2,15/04	12363	39	6,23,27,32,36/03	13324	14	5/04*	14220		N39/03*
12207	20	18,50/03;11/04	12364	34	20*,23,25,27,32,36,39/03	13325	14	29/03;7/04	14222	16	40/03**
12208	9	23*,28,41,50/03;9,11/04	12365	26	6,23/03	13326	12	7/04	14223	18	38/03**
12210	36	8*,33/03	12366	27	20,27/03	13392	2	6/03	14224		N39/03*
12211	41	10/03*	12368	26	24,25/03	13394	3	9,21,42/03	14225	17	39/03**
12214	44	14*,19,52/03;2/04	12369	25	32,35,36,43/03	13396	4	9,19,21/03	14226	32	39/03**
12216	27	19/03	12371	23	27*,52/03	14002	57	32,34,36,37,42,49/03; 15/04	14227	28	39/03**
12221	75	48*,50/03;2,9,11/04	12378	14	13,23/03	14003	6	5,9,12,29,39,48/03;6, 16/04	14229		N39/03*:N5/04
12222	45	6*,7,9,10,11,12,13,15/04	12401	7	13,33,41/03	14007		N38/03*:N14/04	14240	6	43/03**
12224	23	8*,33,45/03;9/04	12402	8	13,34,41/03	14008	76	38/03**	14241	23	39/03**
12225	54	22*,33/03;9/04	13000		N21,N26,N29/03	14010	5	26,32/03;14/04	14242	13	40/03**
12226	16	7/03	13003	47	36*,39,44,45,48,52/03;6, 16/04	14014	82	1/04	14243	8	39/03**
12228	30	16/04*	13006	31	36*,39,44,45,48/03;6,	14024	5	12,22,36,47/03	14244	5	39/03**
12230	61	3/04*			16/04	14040	65	34,49/03	14245	4	39/03**
12231	26	7,30/03	13009	30	9,18,23,36,39,44,45, 48/03;6,16/04	14041	12	34,36,42/03	14246	6	39/03**
12233	36	16/04*	13200	33	7,9,18,36,39,44,45,48/03; 6/04	14042	3	34,42/03	14247		N39/03*:N5,N6/04
12235	29	4,6,7,17,33/03;9/04	13201	10	N9,N18,N36,N39,N44, N45,N48/03;N6/04	14043	7	21,26,49/03	14248		N40/03*
12237	27	48/03*	13203	12	48/03	14044	44	6,47,49/03;1/04	14249		N39/03*:N5/04
12238	38	6/04*	13204	12	44/03;6/04	14046	2	47,49/03;9/04	14250		N40/03*
12241	21	7,34/03;2/04	13205	36	5,23/03;2/04	14061	27	6,9/03	14251		N40/03*
12243	13	12/04	13209	23	23/03;2/04	14062	17	32,36/03;1,5,9/04	14252		N40/03*:N14/04
12245	62	30*,33,34,49/03;4,7,10, 12,15/04	13211	13	45/03	14066	19	6,34,42,47/03;5/04	14253		N40/03*:N9/04
12248	40	44/03*:4,15/04	13212	35	9*,13,36/03;2/04	14067	11	6/03;14/04	14254		N40/03*
12251	23	4,6,7,15,26/03;12/04	13213	40	14*,25,36/03	14081	21	36,47/03;2/04	14259	3	40/03**
12252	23	4,7,10,15,17,30,35,45, 49/03;16/04	13214	27	5/03;2/04	14085	6	49/03;15/04	14260	47	39/03**
12253	43	35/03*:2,10,13,15/04	13215	17	5/03;6/04	14088	10	34/03;5/04	14263	15	40/03**
12254	44	16/04*	13216	1	N2/04	14089	29	34/03	14264	4	40/03**
12255	15	30,34/03	13217	14	6/04	14105	19	47/03	14280	37	40/03**
12256	14	48/03*:2,12/04	13218	38	5,46,50,52/03	14110	42	32,44/03;1/04	14310	2	40/03**
12261	28	7,18,22,48/03	13221	54	15/04*	14111	7	14,32,34,42,44/03	14325	13	6/04
12263	53	11*,14/04	13223	37	16/04*	14112	5	32,42,44/03;1/04	14328	6	47/03;9/04
12264	28	7,42,44,48,52/03	13224	36	5,27/03;15/04	14115	2	47/03	14329	5	32,47,49/03;1/04
12266	28	8/04*	13225	33	15/04	14118	6	4/04	14340	25	12,22,30,49/03;1,9,15/04
12270	33	15/04*	13226	33	5,6,7,49/03	14120		N38/03*:N4,N15/04	14341	5	12,34,47,49/03
12272	29	13,16,30,33,38/03;7/04	13227	13	7,49/03	14121	17	47/03	14342	20	30,49/03;9/04
12273	54	47/03*:7/04	13229	28	12*,13/04	14124	2	47/03;15/04	14344	2	49/03
12274	33	5,15,17,30,33/03	13230	47	15/04*	14125	2	32,49/03;6/04	14345	5	12,22,49/03
12277	32	35*,51/03	13233	16	10,39/03;4/04	14126	2	32,34,38/03;1,4/04	14349	7	42,47/03;5,6/04
12278	73	8/04*	13235	5	48/03;4/04	14127	2	14/04	14353	3	42/03
12280	4	52/03*:2,7,9/04	13236	29	7,19,50/03;1/04	14128	2	N6,N14/04	14354	2	32,42,50/03
12281	49	12,19,25,38,44,48,49/03; 1,16/04	13237	39	27*,39/03;13/04	14129	2	N37/03	14355	3	50/03
12282	34	43/03*	13244	39	7,32/03	14130	2	32,38,42,49/03	14357		N49/03;N4,N15/04
12283	24	8,18,25/03	13246	37	36*,42/03	14131	2	38/03	14358		N34,N47/03;N1,N5, N15/04
12284	15	7,42,48/03	13249	12	22/03*	14132	15	38/03*	14360	36	47/03;4,5,6,15/04
12285	35	11*,14,19,22,34,36, 45/03;9,13/04	13253	18	3*,8/03	14133	15	42/03*	14364	6	4/04
12286	29	4,6,42,52/03	13260	39	36*,39,42,45/03;16/04	14134	15	38/03*	14373	2	34,49/03;1,4/04
12288	19	9/04	13263	7	N7,N9,N18,NP21,N23, N26,N29,N36,N39,N42, N45/03	14135	15	42/03**	14380	19	49/03;6/04
12289	48	10*,19,22,03;13/04	13264	103	9,P21,26,29,39,42,49/03; 5/04	14136	2	40/03**	14386	3	6/04
12300	43	19*,39,44,48,49/03;6/04	13267	31	47/03*:9/04	14137	15	38/03*	14404	4	47/03
12301	21	N5,N17,N39,N44,N48, N49/03;N6/04	13269	9	7,9/04	14138	15	42/03*	14415	4	36/03
12304	43	21*,26,48,52/03;2,5,9/04	13270	60	50/03*:9,15/04	14139	2	40/03**	14420	27	40/03**
12311	42	38*,48,51/03;1,10,16/04	13272	47	8,25,35/03;12/04	14140	2	40/03**	14756		N50/03;N11/04
12312	52	10*,15,24,32,51/03;1,10, 16/04	13274	25	43/03*:6,15/04	14141	2	40/03**	14757		N15/04
12313	49	35*,43,52/03;8,15/04	13275	28	45/03*:15/04	14142	2	36,42,44/03;4,6,15/04	14758		N32,N49/03
12314	30	5,25,33,35/03	13276	22	36/03*	14143	2	37,42/03;14/04	14769		N13/04**
12316	30	12/04*	13278	25	9,32,39/03	14144	1	42/03	14773	16	26/03
12318	41	9*,32,44/03;6/04	13279	30	20*,32,39/03	14145	1	42/03	14774	16	15/03
12323	23	4/03;6/04	13282	11	21*,39/03	14146	2	40/03**	14782	24	47/03
12324	31	15/04*	13283	18	9/03;4,6/04	14147	2	38/03**	14784	19	47/03
12326	49	35*,49/03	13285	10	20/03;4/04	14148	1	42/03	14786	13	49/03
12327	97	48*,49/03	13286	29	9/03;16/04	14149	1	38/03*	14803	26	5,49/03
12331	30	8*,13,14,18,33/03	13288	40	29,42,44,45/03	14150	1	43/03*	14804	24	5/03
12332	21	13,18/03	13290	35	39*,42,44,49/03	14151	2	38/03**	14813	21	49/03
12333	33	44*,49/03	13292	36	7,16,29,42,44,49/03	14152	15	38/03**	14815	22	43/03
12334	66	30*,34,36/03	13293	33	14,27/03	14153	12	42/03**	14816	23	5/03
12335	40	47/03*	13295	11	14/03	14154	21	38/03**	14820	20	15/04*
12337	22	13,18/03	13296	25	27/03	14155	7	38/03**	14822	31	10/03*
12338	9	21/03*	13301	20	23,42,45/03	14156	20	43/03**	14824	26	5/04*
12339	44	50/03*	13302	21	7,9,32,42,45,52/03;8/04	14157	28	38/03**	14826	27	4*,49/03;8/04
12341	26	36/03*	13303	12	7,9/03	14158	15	38/03**	14829	6	15/04*
12343	18	7,21,27/03	13305	28	7,9,36,44/03;8/04	14159	12	42/03*	14830	30	31*,34,47/03;15/04
12345	10	21/03	13307	10	23,28,44/03;8/04	14160	21	38/03**	14832	34	49,51/03
12347	29	27,29,35/03	13309	28	9,32,52/03;15/04	14161	7	43/03*	14833	25	43,49,51/03
						14162	20	43/03**	14835	31	7/04
						14163	28	38/03**	14836	27	10/04
						14164	15	38/03**	14837	27	3/03;5/04
						14165	10	38/03**	14839	36	9*,43,49,51/03;5,8/04

## SECTION I

NM 16/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 3/03 THROUGH NM 16/04**

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.
14843	22	43,51/03	15569		N23/03	16648	4	1/04	17428	7	5,36,43/03;13/04
14844	31	4,51/03;5,10/04	15570		N23/03	16660	28	6,16,47,49/03	17429	2	N13/04
14845	27	14/04*	15585		N14/03	16663	6	6,16,47,49/03	17430	10	5,36/03;13/04
14846	12	16/04*	15690		N35/03	16665	8	15/04*	17434	11	5,36,43/03;13/04
14847	30	43,47/03	15946		N47/03	16680	10	6,32,37/03;15/04	17435	16	40,49/03;13/04
14848	56	9,17,21,22/03;15/04	16003	16	13,36,48/03	16682	15	8*,17,19,37/03;15/04	17436	6	20/03
14850	52	2/04*	16004	11	13,17,48/03	16683	9	3,6,17,32,37/03	17437	8	21/03
14852	45	19*,21/03;2,10,15/04	16005	9	36,48/03	16700	28	40*,43,50/03;11,12,	17438	12	10,14,15,21,36/03
14853	14	26/03*;10,15/04	16006	33	6,32,35,36/03;1,15/04			14/04	17441	7	10,15/03
14854	13	17/03;15/04	16011	35	8,29,31,32,35,44,50/03;	16701	19	37/03*;12/04	17443	12	10/03
14864	26	1,8/04			1/04	16702	11	37/03*;12/04	17445	2	10,14,36/03
14865	16	4/03	16012	21	34,50/03	16704	13	12/04	17446		N10/03
14867	26	39/03*	16013	29	10/04*	16705	19	16,43/03;12/04	17460		N5,N36,N49/03
14869	26	8/04	16016	20	9/04*	16706	10	12/04	17464	4	12/04
14871	2	34/03	16041	8	48/03	16707	10	16,20/03;5,12/04	17465	4	6,12/03
14880	31	15/04*	16061	8	13,17/03	16708	25	16,20,50/03;12/04	17470		N23,N41/03
14881	31	8/04	16067	7	1/04	16709	22	11,12/04	17471		N6,N47/03*
14883	43	15/04*	16081	6	1/04	16710	16	10,12,14/04	17472	4	5,14,36,41/03
14886	11	41/03*	16082	6	1/04	16711	2	12/04	17480	4	5,10,36/03
14901	14	5/03;7,10/04	16083	6	9/04*	16712	1	16/03;12/04	17482		N7,N14,N41/03
14902	28	4/03;8,10/04	16085	6	15/04*	16713	2	12/04	17483		N41/03
14903	23	31/03*;2,7/04	16087	7	5/04*	16723	15	6,12/04	17484	3	41/03
14904	26	40/03*;1/04	16102	5	9/04*	16741	10	16/04*	17485	4	41/03
14905	30	45/03*;7/04	16124	6	3/04*	16760	10	28/03;12/04	17513		N15/03;N9,N12/04
14906	23	5/03	16200	13	36/03	16761	16	28/03	17515	7	6,15,16,36,43/03;12/04
14907	25	10/04	16206	7	46/03;5/04	16762	9	12,14/04	17517	8	6,15,16,34/03
14909	19	49/03;10/04	16220	5	36/03;15/04	17003	4	24,35,36/03;6/04	17518	7	16,18,20,41,47/03;10/04
14910	23	17/03*	16240	10	15/04*	17005	10	24,34,35,43/03;3,6/04	17519	13	16/03
14911	20	4/03;10/04	16300	8	3,8/03;6,9/04	17008	12	36/03	17520	2	N6,N16,N34/03
14912	17	31/03*	16305	9	8/03;1/04	17300	30	21,39/03	17521		N15/03
14913	18	31/03*;8,10,15/04	16315	10	1/04	17302	18	49/03	17522		N15/03
14915	25	28/03*	16322	7	8,46/03;3/10/04	17315	23	16,21,25/03	17523		N15/03
14916	10	17/03;1/04	16323	9	3/04*	17316	20	3,25/03	17524		N12,N15,N49/03
14917	23	3/03	16338	3	1/04	17318	5	39/03	17525		N15,N43/03
14918	26	17/03;1/04	16343	7	1/04	17320	16	14/04*	17526		N15/03
14919	27	1,7/04	16363	12	10/04	17323	10	13,22,29,39/03;5/04	17528		N6,N12/03
14922	19	9/03;5/04	16381	8	8,25/03	17324	13	39/03;5/04	17543	17	43/03;14/04
14924	27	5,49/03;2/04	16382	10	6/04	17325	7	29/03	17545	13	43/03;12,14/04
14926	10	32*,47/03;7,8,10/04	16420	10	46/03*	17327	21	46/03*	17546	22	24,34,35,43/03;14/04
14927	24	47/03;7,8/04	16423	2	47/03	17328	7	10/04*	17548	28	16,43/03
14928	21	4/03*;7,10/04	16431	7	50/03*	17330	8	10*,14/04	17549	6	15/03;3/04
14929	24	14/03*;7/04	16432	11	3/04*	17331	7	14/04	17550	4	43/03;3,6/04
14930	25	15/04*	16433	8	14/04*	17333	8	3*,14/04	18000	8	6,10,21,36,44/03;11/04
14932	23	26/03*;1,5/04	16442	7	41/03*	17335	6	14/04	18002	6	N6,N10,N21,N36, N44/03;N11/04
14933	24	1/04	16463	7	3/04*	17336	8	14/04	18003	19	22*,41,43/03;3,6/04
14934	27	17*,26/03;1/04	16478	10	5/04*	17337	8	14/04	18005	4	N6,N10,N13,N21,N26, N40/03;N4,N10/04
14935	21	1,10/04	16480	10	34,50/03	17338	13	14/04	18006	3	N6/03
14937	24	17/03;10/04	16484	7	14/04*	17339	11	14/04	18007	31	18,22,24,26,35,41/03;4,5, 6,7,16/04
14938	23	1,7/04	16490	8	6/04*	17341	8	14/04	18008	7	N18,N22,N24,N26,N35, N37,N41/03;N4,N5,N6, N7,N16/04
14942	25	1/04	16500	9	9,33/03	17360	33	31*,36/03;13,14/04	18009	2	N6,N13,N26,N40/03;
14961	12	3/04*	16501	7	16/04*	17362	10	14/04	18010	20	N10/04
14962	20	16/04*	16514	4	14/04*	17363	13	14/04	18020	37	47/03*;1,4,7,11/04
14965	21	11/03*;2/04	16517	6	16/04*	17365	12	14/04	18022	34	3*,4,7,11,13/04
14966	26	15/04*	16520	21	31,33/03	17367	11	14/04	18400	44	41*,43,47,49/03;3,8, 10/04
14967	22	5/03	16522	6	16/04*	17368	6	14/04	18401	12	34/03
14970	25	1/04	16528	16	9,33/03;6/04	17370	10	3/04*	18403	21	6,20/03
14972	25	1/04	16529	14	9,33/03;6/04	17372	11	48/03*	18405	12	16/03
14973	27	15/03*	16530	6	33/03;6/04	17375	20	50/03;16/04	18406	5	16/03
14974	24	5/04	16535	12	21,31/03	17376	6	16/04	18409	8	41/03
14975	33	43,49/03;10/04	16549	15	41/03*	17377	1	16/04	18411		N16,N20/03
14982	9	16/04*	16553	3	17/03	17378	13	10,16/04	18412	10	20/03
14983	9	46/03*	16556	4	8/03*	17379	1	16/04	18413	15	20,22/03
14985	9	41/03*	16561	1	29,35,44/03	17381	10	16/04	18414	9	20/03;3/04
14986	9	46/03*	16566	10	29,44,49/03	17382	15	20*,36/03;13,16/04	18415	8	7,22,32,39,47,50/03;3,9, 10/04
14987	9	3/04*	16575	1	1/04	17383	1	8/03;16/04	18416	6	22,46/03
14988	10	41/03*	16576	4	47/03*	17384	8	15/04*	18418	6	15/03
14990	4	6/04*	16580	12	9/04*	17385	14	14/03*;13,16/04	18419	11	12,46/03;1,9/04
14991	10	8/04*	16590	10	1/04	17386	3	16/04	18420	1	22,47,49,50/03
14993	12	16/04*	16591	9	16/04*	17387	13	16/04	18421	46	50/03*;8,9/04
15017	4	10/04	16592	9	16/03;1/04	17400	16	10,12,44/03;14,16/04	18423	34	12*,13/04
15043	3	34,47/03	16593	11	14/03*;1/04	17401	10	36/03;13,16/04	18424	25	7,45/03
15044	3	34,47/03;1/04	16594	13	1/04	17402	10	16/04	18427	21	7,19,45/03
15046	4	47/03;14/04	16595	14	1/04	17403	13	16/04	18429	9	3*,22/03
15061	3	50/03	16596	12	1/04	17404	12	16/04	18430	8	5/04*
15064	1	50/03	16597	8	1/04	17405	14	12,25,46/03;16/04	18431	6	1/04
15066	5	32,47/03	16598	9	1/04	17406	6	25/03;16/04	18432	5	14/03*
15067	2	47,49/03	16599	6	1/04	17407	15	10/04*	18433	5	22,32,36/03;9/04
15069	4	47/03	16601	10	1/04	17408	7	16/04	18434	5	2*,13/04
15070	3	49/03	16603	8	48/03*	17409	10	44/03;16/04			
15074	1	6/04	16604	11	1/04	17412	2	49/03			
15080	1	47/03	16605	8	1/04	17413	2	10,44/03			
15083	6	14/04	16606	11	21/03;1/04	17416	3	10,14/03			
15160	5	50/03	16608	4	46/03*	17420	26	10,12,14,20,36/03;13/04			
15163	2	50/03	16640	24	21/03;1/04	17422	8	13/04			
15300	N10/04		16645	18	1/04	17423	13	13/04			
15313	1	15/03	16646	12	8/03;1/04	17426	13	16,20/03			
15562		N16/03	16647	3	1/04	17427	7	21,36/03			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 3/03 THROUGH NM 16/04

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18440	27	3*,8/04	18682	14	10/04*	19441	7	28/03*	22252	18	2/04
18441	43	39*,45,47,51/03;6,8/04	18685	32	36*,46/03	19442	5	14*,26/03	22259	4	20,24/03;2/04
18443	16	16/04*	18687	13	8/03*	19461	7	10/03*	22262	3	13/04
18444	15	34/03;1/04	18700	22	40/03*;13/04	19480	7	6/04	22263	1	26,37/03;4/04
18445	30	13/04*	18703	25	40/03*;7,13/04	19482	9	6/04	22264	2	13,18,20,24,26,37,41/03
18446	16	47*,51/03;8/04	18720	31	4,6,10,12,25/03;11/04	19483	6	11/03*	22275	3	12,18,26/03;2/04
18447	26	6,7,10,18,47/03	18721	11	6,10,39/03	21005	5	15/04	22281	9	12,18/03;4,13/04
18448	33	1*,8,13/04	18723	3	6/03	21008	62	36/03	22282	17	12/03;4,14/04
18449	18	50*,51/03;6/04	18724	1	23*,25/03;15/04	21014	72	3,4/03	22283	3	N14/04**
18450	17	9*,44/03;6/04	18725	27	32/03*	21017	50	4,5,6,9/03	22284	7	N5/04**
18452	16	34,38/03	18740	40	46*,49/03;1,5,7,14/04	21020	42	5,6,7/03	22285	1	14/04*
18453	24	14*,25,36,38,42/03;6/04	18741	18	N12,N27,N38/03;N1,N7, N4/04	21021	3	13/03	22286	1	5*,13/04
18455	2	N15,N34,N38/03	18744	30	35/03	21023	41	7,8,9/03	22290	4	18,30/03
18458	15	19*,28,34,38/03;13/04	18746	35	11/04*	21033	46	16/03/1/04	22293	15	18,26,37,38/03
18459	5	N9,N15,N28,N34, N38/03;N13/04	18749	38	5,6,16,21,26,28,31,39,41, 49,50/03;5,7/04	21125	13	36/03	22294	15	12/03;16/04
18460	11	6,7,43/03;3/04	18751	42	5,6,16,21,26,28,31,39,46, 49,50/03;5,7/04	21140	1	12,27,36/03;7/04	22305	2	18,24,30,34/03
18464	23	24*,30/03	18760	6	N6,N25,N35,N36, N44/03;N1,N7,N11/04	21160	1	15/04	22311	19	8/03;13/04
18465	35	15,30/03;8/04	18764	17	39*,43/03	21180	1	7/03;15/04	22312	2	13,30/03;9/04
18468	17	7/03	18765	8	14/04*	21301	13	3,12/03	22313	2	8,18,38,40/03;13/04
18471	9	36/03*;8/04	18757	10	13,41/03;5/04	21384	3	6/03	22314	1	40/03
18473	7	4*,18,19,34,38,45,47, 51/03;6,8/04	18758	6	16,33,49/03;4,11,13/04	21384	4	11/04*	22322	11	33/03**
18474	8	5*/8/04	18760	6	N6,N25,N35,N36, N44/03;N1,N7,N11/04	21401	20	7/03	22331	2	N10,N19,N24/03;N1, N2/04
18475	1	35/03	18761	2	N1,N16/04	21441	27	15/04	22335	4	19,52/03
18476	4	7,9,28,34,38/03;6,13/04	18762	15	1,16/04	21478	3	9,16/03	22341	9	11,21,29,52/03;2/04
18477	5	7/03;6/04	18763	9	1/04	21482	1	36,46/03	22342	9	21,29/03
18480	29	6,7,43/03;3,6/04	18765	15	12,27,46/03;7,14,16/04	21510	1	9,16/03	22343	1	N10,N11,N21,N41, N52/03;N2/04
18484	10	15,29/03	18766	7	12,27,36/03;7/04	21520	1	29/03	22344	6	N23*,N52/03
18485	15	10,29/03	18768	4	N12,N27,N36,N38/03; N7/04	21521	14	29/03	22345	11	24/03
18500	28	12,22,28/03;14/04	18769	2	N1/04	21525	19	38/03	22347	6	N23/03*
18502	84	9,21,28,29,42,47,52/03	18770	10	10,16,49/03;4,11,13, 14/04	21543	13	9/04	22351	1	N12,N35,N41,N52/03; N2/04
18504	65	19*,35/03;3/04	18772	47	21*,48/03	21580	40	52/03	22352	6	12,19,24,35,52/03;1,2/04
18520	24	22/03;14/04	18773	39	40*,41/03;4,14/04	21581	5	41/03	22360	2	19,52/03;2/04
18521	70	5*,13,14/04	18774	10	10,16,49/03;4,11,13, 14/04	21603	9	5,31,36/03;11/04	22361	2	N10,N30,N32,N33,N34, N52/03;N2/04
18523	54	5*,8/13/04	18775	2	N1,N16/04	21604	25	4/04	22370	2	15,19,26,30,33,34/03; 2/04
18524	33	4,6,10,24,29,47,52/03;8, 13/04	19002	9	N16,N23,N29,N46/03; N6,N8,N12,N16/04	21605	7	31/03	22371	5	30,32,33,52/03;2,4/04
18525	33	4,9,29,52/03;6,8,13/04	19004	36	23,29,30,46/03;6,8,12, 16/04	21661	12	6/03	22373	1	N10,N24,N30,N32,N33, N34/03;N3/04
18526	56	15/04*	19007	16	16,23,29,30,46/03;12,	22004	38	16,29/03;2,7/04	22375	1	N10,N15,N26,N37/03
18527	21	48/03	19008	4	16,23,29,46/03;10,12,	22008	35	6,14,17,29,32,38,47/03; 7/04	22377	1	N10,N13/03;N2,N4/04
18528	10	18/03	19009	4	16,23,29,46/03;10,12, 16/04	22012	31	6,29,32/03	22379	1	N10,N30,N32/03
18531	21	15/04*	19010	17	23,29/03;6,8,12/04	22032	20	19,40/03	22395	2	15,19,22,26,30/03
18532	20	10,52/03	19013	16	29,30,46/03;8,12,16/04	22036	28	51/03;2/04	22401	4	N23*,N30/03
18543	2	15/04*	19016	10	3/04*	22050	4	12,26/03	22407	1	N4,N11,N18,N30/03
18545	15	50/03*	19019	9	28/03*	22051	18	5,16/04	22408	1	N10,N21/03
18548	5	8/03*	19324	22	5,23/03;13/04	22052	6	25,34,43,47/03	22409	4	N10,N17,N22/03
18558	37	48/03;1/04	19327	10	23,43/03	22082	4	13,25,38/03	22410	32	19,23,40/03
18561	12	12/04*	19329	8	10/04*	22084	4	35,37/03;15/04	22412	2	2,4/04
18580	21	51/03	19330	10	14/04*	22090	2	4,17/03	22413	8	N22/03
18581	17	4,36,50,51/03;14/04	19331	7	23,43/03	22100	3	12/03	22415	8	2,4/04
18583	38	12,43/03	19332	8	14/04*	22101	19	37/03	22417	1	N10,N25/03;N1/04
18584	47	4,6,30,48,52/03;1,13/04	19334	22	5,23/03;13/04	22102	19	17/03	22418	2	19/03
18587	68	4,6,9,10,21,27,36,52/03; 1,8,14/04	19335	10	23,43/03	22109	3	17/03	22420	2	4,11,15,19,30,40/03
18588	37	22*,36/03	19339	1	N5,N13,N30,N47/03;N8, N10/04	22111	4	17/03	22421	4	N11,N23,N25,N26, N27/03;N4/04
18589	15	44/03	19330	10	14/04*	22112	3	17,37/03;5,10/04	22423	3	N11,N25,N27/03
18600	14	44,47,47/03;5,16/04	19331	7	23,43/03	22113	8	12,17/03;5,10/04	22424	1	N27/03
18601	13	10/03;1/04	19333	1	N5,N13,N30,N47/03;N8, N10/04	22114	5	17,33,37/03;5/04	22427	1	N11,N23,N25,N26, N40/03;N9/04
18602	12	26*,47/03;1,14/04	19335	12	27/03;6/04	22117	3	37/03;5/04	22429	1	N10,N14,N17,N19, N27/03
18603	16	9*,10/03;5,16/04	19337	36	5,50/03;10,13,14/04	22120	3	29,32/03;7/04	22430	6	19/03
18620	23	4,7/04	19339	22	5,13,29,30,36,47/03;8,10, 13/04	22121	9	29,32,47,51/03	22433	3	11,14,35/03
18622	52	21,25,27,35/03	19340	26	48*,50/03;1,14/04	22124	2	6,29,32/03	22434	2	35/03
18623	11	4,7/04	19342	10	15/04*	22130	2	14,17,29,32,38/03;2,7/04	22436	2	10,14/03
18626	15	10/03	19347	17	29/03	22138	3	11/04*	22440	1	19/03
18640	24	26,38,42/03;4/04	19348	8	15/04*	22140	2	25,47/03;7/04	22441	31	2,6,8/04
18643	17	26*,33,41,43/03	19353	12	27/03;6/04	22142	2	25,40,47/03;7/04	22448	35	19/03;2/04
18645	24	33,38/03;5/04	19357	22	5,13,30,36,47,50/03;10, 13/04	22143	4	26*,29/03;11/04	22482	16	23/03;9/04
18649	63	48*,50/03;2,5,11,16/04	19359	11	8/04*	22145	2	N25/03	22492	3	34/03
18650	52	47/03*;11/04	19361	8	5/04*	22160	2	25/03;7/04	22521	3	12,17,34/03
18651	42	15*,48/03;16/04	19362	12	10,13,14/04	22170	3	6/03	22523	3	12,17,34/03
18652	32	36*,40,43,46,48,49/03;5, 11,16/04	19366	36	5,50/03;10,13,14/04	22172	8	4,6,29/03;11/04	22529	3	12,17,35/03
18653	9	4,6,21,43,50/03;16/04	19367	37	10,50/03	22173	36	6,17,29/03;11/04	22531	2	12,17,35/03
18654	42	12,16,35,46,48/03;5/04	19369	5	10,36,50/03;10,14/04	22180	2	32/03	23000	5	51/03
18655	58	12,16/03	19379	1	N5,N13,N30,N46/03; N12,N13,N16/04	22181	17	10/04*	23020	4	22/03
18656	53	19*,21,33,40,43,48/03; 11/04	19380	15	8*,12,16/04	22182	7	10*,11/04	23030	6	21,22,37,42/03;14/04
18657	18	4,21,40/03	19381	8	26/03;7,12,16/04	22183	4	52/03*	23121	7	17,20/03
18658	29	4,21,33,40/03;11/04	19382	15	26/03	22190	2	29/03	23124	3	N17,N20/03
18659	14	7,16,21,43,48/03	19383	17	5/03	22205	2	12,18/03	23125	4	17/03
18660	2	29*,43,49/03	19385	8	3*,16/04	22221	20	12,31,34/03;1/04	23131	7	12,22/03
18661	27	15*,16,43,49/03;13/04	19387	9	N46/03;N12/04	22222	1	4,12,31/03;1/04	23141	7	22,37/03
18662	20	7,43,44/03	19388	2	N46/03	22225	2	12,18,40/03	23142	10	8,37,47/

## SECTION I

NM 16/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 3/03 THROUGH NM 16/04**

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.
23145	3	37,51/03;14/04	24465	6	38/03	26186	17	14/04	35120	13	5,30/03;16/04
23151	3	12/03	24469	1	13/03	26188	11	15/04	35130	3	5/03
23152	3	12/03	24470	4	13/04	26218	2	31/03	35135	1	5/03
23153	8	12,13,49/03	24480	1	24,27,42,48/03	26219	5	31/03	35144	3	11/03
24004	36	41,42,46/03	24482	2	31/03	26220	6	11/04	35155	3	25/03
24016	53	13/04	24484	3	31/03	26229	11	31/03;9/04	35200	7	5,25/03
24024	46	18,25/03	24490	3	25,27/03	26230	12	31/03;9/04	35255	3	14/03
24050	11	20,31,32,33,51,52/03;6, 14/04	24491	3	27/03	26240	7	9/03	35256	2	14/03
24052	15	14,19,21,30,42,44,50/03	24500	1	7/04*	26244	3	9/03	35299	9	13/03
24053	16	19/03	24501	3	27/03	26245	16	15/03	35301	6	17/03
24055	6	14,19,21,42,50,51,52/03; 6/04	24502	6	27,34,47/03	26261	27	8/03	35302	7	17/03
24057	4	20,30,33,42,52/03;4,6/04	24504	7	42,48/03	26262	3	8/03	35303	7	17/03
24058	2	19,22,28,29,30,42,44/03; 7,9/04	24508	3	22/03*	26282	6	22,23,34/03	35308	5	10/03
24060	2	17,32/03	24509	2	15,25,34,42/03;12/04	26290	1	21/03**	35363	1	12/04
24080	5	17/03	24510	2	42/03	26295	1	21*,22,34/03	35365	1	12/04
24091	6	6,21,46/03	24511	2	24,42,48/03	26300	7	21/03*	35380	8	12/04
24092	14	6/03	24512	3	24,25,38,42/03	26308	5	21*,22,23,34/03	35390	2	12/04
24100	5	46/03	24513	18	38,42/03	26309	27	11/04*	35420	13	12/04
24103	3	10/04	24517	2	25,40,42/03	26310	1	N48/03*	36005	2	P12,14,17,24,25,27,31, 43,44/03;13/04
24110	3	35/03	25001	7	15,52/03	26312	2	21/03	36010	27	5,15,16,20,23,43/03
24130	14	5/03	25017	5	15,25,31,34,39,52/03;	26316	3	21/03	36015	2	27,44/03;13/04
24133	6	31/03	25018	9	15,25,31,34,39,52/03	26320	5	7,12,22,23,25,31,40/03	36040	16	15/03;6/04
24140	18	41,42,46/03;6,7,11/04	25400	1	8,11/04	26327	2	N17/03	36060	17	5,8,20,21/03;2/04
24141	4	5/03	25480	1	52/03;8/04	27005	4	6,8,9,22,23,34/03	36061	5	20/03
24142	43	5,6/03;7,11/04	25481	25	8/04	27040	5	9/03	36098	6	5/03
24149	1	52/03	25483	2	8/04	27042	21	41,42/03;10/04	36102	6	13/03
24150	27	41,47/03;6,7/04	25485	45	36/03;10/04	27060	2	22,23,34/03	36103	9	13/03
24151	4	41/03;6,7/04	25487	2	36/03;10/04	27080	4	15,22,39,52/03	36104	6	13/03
24152	2	41,47/03;6/04	25524	43	5,20,24,26,32/03	27083	39	28/03;4/04	36106	7	5,13/03
24153	6	39,47/03;6/04	25525	17	5,26/03	27084	4	13/03	36118	3	5/03
24155	6	46,49/03	25526	2	24,32/03	27100	2	8,21/03	36120	9	5,8,16,23,27/03
24160	21	47/03;10,15/04	25527	31	24,32/03	27102	11	28/03	36123	25	11,16/03
24161	11	7,28,32,39,40,47/03; 10/04	25550	2	21/03	27120	4	16/04	36124	18	16/03
24162	9	6,7,28,32,39,40,42,47, 52/03;10/04	25563	50	14,18,21/03	27142	5	9/03	36125	7	4,30/03
24164	6	39,41,47/03	25566	16	21/03	27160	2	8,13,35/03	36138	3	4/03
24170	14	5,6,35/03;9/04	25570	3	16/03	27161	4	8,13/03	36139	4	4/03
24171	19	5,6,37,52/03;16/04	25575	4	35,39/03;14,15/04	27163	21	8/03	36140	12	4,10,27/03;13/04
24172	4	5,6/03	25600	47	25,27/03;1/04	27183	8	9/03	36143	4	5,30,43/03
24180	15	8,40/03	25607	4	48/03	27186	8	9/03	36161	10	4,10,18/03
24200	14	9,13/04	25608	21	16,26,34,38/03;1/04	27206	18	9/04	36162	10	4,18/03
24201	5	49/03;9/04	25609	5	1/04	28004	1	8,9,22/03	36163	13	4,18/03
24202	6	31,35,46/03	25610	8	2/04	28006	1	8/03	36164	7	8,15/03
24203	36	49/03	25611	22	1/04	28050	3	26,42,47/03	36165	6	10,27,30,43/03
24210	14	42/03	25613	2	25,27,47/03;8,13/04	28084	4	17/03**	36180	23	4,27,44/03;13/04
24220	14	39/03	25640	40	15,25,31,34,39,52/03	28154	2	38/03	36181	18	4/03;13/04
24223	33	39/03	25641	27	15/04*	28165	19	6/04	36182	6	27/03;13/04
24224	1	15/04*	25644	13	20/03*	28167	4	16/04	37000	22	14,23,43/03
24230	20	52/03;9/04	25645	17	15/04	28168	22	16/04	37005	16	5,12,13,15,23,28,29,30, 50,51/03;5,8/04
24233	15	9/04	25654	13	14/04	28190	2	18/03;16/04	37010	23	10,12,13,15,19,23,27,28, 29,30,43,50,51/03;5,8,12, 15/04
24234	3	35/03	25655	11	14/04	28196	4	18/03;16/04	37025	26	24,25,27,31,33,34,36,38, 41,43/03;3,4,10,11,15/04
24240	5	7,39,46,52/03	25659	9	20/03*	28202	16	12/03;7/04	37032	2	6,25,31,38,42,43,45/03;3, 4,9,15/04
24250	5	7,39/03;13/04	25663	27	17,30,39/03	28310	2	7/04	37033	2	33/03;15/04
24251	23	6,39/03	25664	15	17,30,39/03	28325	2	5/03	37034	2	8,14,33,41/03;10,15/04
24252	5	6,39/03	25666	17	17/03;11/04	29002	9	18,29/03	37043	17	43,46/03;12/04
24270	3	17,29/03	25667	20	15/03	29012	8	7/04	37046	18	43,46/03;12/04
24271	14	17,29/03	25668	18	13,34/03	29015	5	16/03;7/04	37050	9	10,12,17,03;12/04
24274	2	17,29/03	25670	42	2*,14/04	29040	3	39,48/03;7,14/04	37060	3	9,13,18,43,46/03;12/04
24293	6	37,42,46/03	25671	18	21/03*	29101	6	7,8,13/04	37061	15	5/03
24294	22	37,46/03	25673	15	43/03	29105	5	49,50/03;8,11/04	37063	21	4/03
24290	4	6,17/03	25675	9	20/03*	29107	2	29,36/03	37075	3	5,18,43/03;12/04
24321	3	6/03	25677	20	32*,39,52/03	29121	5	8,12,13/04	37080	3	4,7,9,14,15,18,20,21, 22/03;12/04
24322	6	6,17/03	25679	10	20/03*;11,15/04	29127	4	29,39,42/03	37082	9	11/03
24350	2	18/03	25681	16	28*,34,39/03;15/04	29141	3	29,39/03	37086	8	4/03
24355	2	25,37/03	25683	18	32*,34,39,52/03	29142	3	7/03	37088	9	5/03
24360	1	25/03	25685	9	22*,52/03	35000	26	14/03	37089	12	4,13/03
24370	1	48/03;1/04	25687	12	30/03*	35008	21	5,25,27/03	37090	8	7,9,14,16,22/03;12/04
24375	2	38/03	25700	3	15/03	35009	19	5,10,14,49/03	37095	3	7,9,11,14,15,16,20,22,32, 39/03
24376	1	38/03	25848	25	13,15,15/03;11/04	35011	2	25/03	37103	9	12/04
24380	2	48/03;1/04	25849	13	12/03	35032	16	12/04	37106	4	32/03
24404	8	11/04	26001	4	9/03	35036	21	10,15,27,43/03;12,13/04	37110	11	20,25,31,32,39/03;12/04
24430	5	8,11,31,52/03	26050	1	26,47/03	35040	18	4,8,10,14,21,49/03;12/04	37115	2	7,25,31,32,39/03;12/04
24431	14	31,52/03	26060	1	42/03	35041	8	4/03	37120	2	4,6,21,23,24,25,26,27,30, 32,39,42,43,44,45/03;
24433	3	52/03	26068	11	18,50/03	35042	9	4,14,49/03;8/04			12/04
24434	4	52/03	26081	8	16,42,43/03;16/04	35060	14	10,14,49/03	37121	11	25/03;12/04
24450	3	26,47/03;6/04	26100	4	31/03	35080	16	49/03	37122	12	19,31,44,45/03;12/04
24453	5	26/03	26122	30	22/03*	35081	15	22,27/03	37123	9	6,20/03
24454	5	5,26/03	26125	3	41/03	35082	7	22,27/03	37125	15	6,9,20/03
24460	4	15,29,32,47/03	26127	21	5/03;11/04	35083	8	20/03			
24461	4	16,38,47/03	26128	50	5/03	35086	5	22/03			
24462	5	16,29/03	26129	11	41/03	35100	14	5,30/03			
24463	6	12,15,25,26,38/03;13/04	26130	20	11/04	35101	6	16/04			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 3/03 THROUGH NM 16/04

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.
37127	11	4,6,20/03	37363	8	4,17,32/03	43140	4	12,35,38/03;1,5/04	44030	7	4,8,9,13,19,48,50/03;13/04
37129	6	4,6,20,23,24,30,42,45/03;7/04	37380	2	9,10,17,21,38,39,41,43/03;7,11,12,13/04	43141	5	12/03;5/04	44036	5	13,16,17,20,23,28,30,32,52/03;5,16/04
37134	5	45/03	37400	10	6,10,20,31,34,36,41,43,46,47/03;1,7,9,11/04	43142	4	12/03;1/04	44037	5	16,22,52/03
37136	6	30/03	37401	9	4,6,13,14,16,22,31,36,43,44,47/03;1/04	43143	4	12/03	44038	5	46/03
37137	6	30/03	37402	7	4,13,14/03;1/04	43144	4	6,12,43/03	44040	23	6,10,13,16,17,20,22,23,24,28,30,32,44,52/03;1,5,6,16/04
37140	33	4,6,16,24,25,30,32,42,43,44,45/03;12/04	37403	23	10,41/03	43145	4	12/03	44041	7	9,10,13,16,20,23,28,52/03;3,8,9,13/04
37141	29	4,12,17,19,24,27,31,45/03	37420	1	7,41/03;9/04	43146	2	34,35,44/03	44042	7	4,7,9,10,11,17,19,20,25,27,28,29,32/03;9,12,13,15/04
37145	23	4/03	37421	8	14,21,41/03	43147	3	35,38/03	44043	8	6,9,10,11,13,16,52/03;9,16/04
37147	15	10,12,16,17,19,25/03;12/04	37423	5	14,21,41/03	43148	4	43/03	44044	6	6,10,13,16,44/03;9,16/04
37148	13	4,10,11,27,51/03;12/04	37443	2	38,45/03;7/04	43150	2	N34,N35,N38,N41/03	44045	6	22,44/03;5,16/04
37150	8	14,19,26,27,32,33,35,37,39,41,43,46/03;7,12/04	37445	1	34,38/03	43160	6	34,35,36,38,41/03	44046	10	22,24/03;1,6/04
37161	14	14,19,24,41,43,46/03	37446	2	34/03	43163	3	41/03	44047	22	10,12,22,24,30,31,32,40,48/03;16/04
37162	12	21,26,27,30,32,33,35,37,39,40,41,43,45,46/03;7/04	37461	9	6,20,25,36,50/03;3,15/04	43164	3	6,34/03	44048	11	5,12,18,22,25,27,31,40,48/03;9,13,16/04
37163	19	32,43/03;11,12/04	37463	6	43/03;1,2,3,4/04	43166	2	43/03	44049	9	8,14,22,24,30,31,40,48,50/03;1,2,9,12/04
37164	4	23,26,27,30,32,35,37,43,46/03;7/04	37481	7	6,7,14,30/03	43167	5	36,42,44/03	44050	21	20,31,32/03;12/04
37165	2	10,12,13,15,21,23,26,27,28,30,32,34,35,37,39,43,45,50,52/03;1,5,7,8,11,15/04	37482	3	7,8,20,33/03	43168	2	36,42/03	44051	1	11,14,22,25,26,27/03;1,2,9/04
37166	2	14,19,21,26,27,30,32,33,34,35,37,39,40,41,43,45,46,51/03;7,11,12/04	37483	1	7,14/03	43180	5	9,44/03	44052	5	29,30/03
37170	11	14,19,46/03	37484	3	8,20,33,48/03;11/04	43181	3	43/03	44053	21	24,32/03;1,6/04
37175	2	5,27,30,45,46,51/03	37485	4	8/03	43182	4	9,44,46,47/03;14/04	44054	8	28,40/03;1/04
37180	20	27,31,35,49/03;12/04	37486	2	1,14/04	43204	4	36/03	44055	19	22,28/03;1,6,15/04
37182	14	24,27/03	37487	1	1,13/04	43206	3	14/04	44056	7	16,17/03;6/04
37183	9	10,24/03	37488	4	3/03	43208	4	12/04	44057	10	31/03;6/04
37184	8	5/03	37489	2	15/03	43224	4	12/04	44058	22	16,17,28/03;6,9,14,15/04
37200	15	28,30,35/03;15/04	37490	3	5/03	43245	4	12/04	44059	11	10,11,13,40,51/03;9/04
37202	2	22,27/03	37491	2	27,33,41/03/15/04	43247	5	44/03	44060	16	11,13,17,22,23,40/03;9,14,15,16/04
37205	2	22,24,30,40/03;15/04	37492	1	N46,N52/03	43248	3	27,37,40,43,47/03;1/04	44061	7	28/03
37221	13	6,10,11,12,13,14,15,21,23,29,30,32,50,51,52/03;5,8,11,16/04	37493	2	43/03	43250	1	44,46/03;14/04	44062	4	29/03
37222	13	21,22,30,46,52/03;16/04	37494	3	43/03;16/04	43260	4	46,47/03;10/04	44063	8	47/03;1/04
37223	14	21,26,27,30,32,34,35,39,43/03;7,11,16/04	37495	2	15/03	43261	5	46/03	44064	19	22,28/03;1,6,15/04
37224	11	22,23,30,37/03;16/04	37496	3	15/03	43262	5	46/03	44065	7	16,17/03;6/04
37226	17	8,9,12,14,17,21,23,51/03	37497	2	38,52/03;15/04	43265	2	37,46,47/03	44066	10	31/03;6/04
37228	14	8,14,23,27,29,30/03	37498	5	31,38,40/03	43266	2	46/03	44067	22	16,17,28/03;6,9,14,15/04
37229	15	8/03	37499	5	40/03	43267	7	37,44,46/03;1/04	44068	11	10,11,13,40,51/03;9/04
37230	14	28/03	37500	5	42,60/03	43268	5	37,40,47/03	44069	16	11,13,17,22,23,40/03;9,14,15,16/04
37231	18	6,10,12,14,50,52/03;8/04	37501	5	42,60/03	43270	6	27,37,44,46,47/03;1/04	44070	7	28/03
37232	12	29,31/03	37502	5	42,60/03	43271	7	37,46,47/03	44071	4	29/03
37234	13	7,8,31/03	37503	5	42,60/03	43272	2	27,37,30/03;1/04	44072	4	40/03
37235	11	17/03;5/04	37504	5	42,60/03	43273	4	47,40,47/03	44073	4	13,23,40/03
37238	6	17,21,30,33,37,40,41,45/03;7/04	37505	5	42,60/03	43274	3	22,28,30,32/03;14/04	44074	9	9,13,46,48/03;9,14,15,16/04
37241	17	26,27,30,32,33,35,37,39,43,45/03;7/04	37506	5	42,60/03	43275	1	40,43/03;1/04	44075	2	5,6,8,24,26,27,41,47,48,52/03/3/04
37242	10	26,30,32,35,39,43/03;11/04	37507	5	42,60/03	43276	3	49,51/03;10/04	44120	7	9,10,15,19,20,22,23,24,27,33,39,40,41,45,48,49/03;1,3,9,14/04
37243	7	27,30,32,37/03	37508	4	43/03;16/04	43277	5	49,51/03;15/04	44140	8	6,19,21,23,24,26,31,40,44,47,50/03/9/04
37244	11	23,26,27,28,30,32,33,35,37,39,43,45,46/03;7/04	37509	12	9/03	43278	6	15,16/04	44160	7	4,5,6,11,13,14,15,20,26,31,45,48,51/03;5,9,11,13/04
37246	14	21,24,27,30,32,33,35,39,43,45/03;11/04	37510	24	9,10,11,12,13,15,17,22,27,28,30,32,46,48/03;1,3,6,8,9,14,15,16/04	43279	4	27,49/03;15/04	44161	2	6,10,21,35,39,41,48,49,50/03;8,9,16/04
37248	18	21,23,24,26,27,30,32,35,40,41,43,45/03;7,12/04	37511	6	38,47/03;2,16/04	43280	5	49/03;15/04	44162	1	24,47/03;9/04
37258	4	11,22/03	37512	3	47,50/03;2/04	43281	4	44/03	44164	1	11,18,22,47/03;2,6,12,13,15/04
37261	10	7,11,20,22/03	37513	4	9/03;16/04	43282	4	44/03	44165	1	5,6,11,20,22,24,34,39,45,48/03;2,9,11,12,15/04
37262	20	11/03	37514	12	9/03	43283	5	43,48/03;14/04	44178	2	5,7,10,16,26,27/03;2,16/04
37264	3	15,22/03	37515	4	27/03;16/04	43284	6	43,48/03;14/04	44179	2	10,16,35,39,51,52/03;3,8,14/04
37265	3	7,17,32/03	37516	2	16/04	43285	7	48/03;14/04	44180	6	5,7,8,9,20,26,43,48,50/03;2,3,6,8,11,12,14/04
37281	15	15,22/03	37517	2	16/04	43286	2	47/03;14/04	44181	5	5,10,13,20,21,27,48,52/03;2,8,9,11,12,14/04
37320	16	9,10,11,P12,15,17,21,24,34,36,38,44/03;7,12/04	37518	4	44/03;16/04	43287	2	48/03;14/04	44182	4	15,18,27,42,43,46,48,49/03;1,2,6,8,12,15/04
37325	8	15,18/03	37519	4	44/03;16/04	43288	1	4,5,6,7,10,11,12,13,15,16,17,18,23,25,26,27,32,44/03;2,5,9,11/04	44183	6	6,8,9,10,19,20,25,27,35,39,43,46,49/03;2,13,14,15/04
37326	2	15,18,21,36/03	37520	4	44/03;16/04	43289	3	16/04	44184	9	10,13,20,22,32,48,52/03;8,11/04
37328	2	11,15,21,24/03	37521	3	16/04	43290	1	5,11,13,20,23,24,26,42,46,49,51/03;8,11,12/04			
37330	2	9,13,14/03	37522	6	44/03;7,10/04	43291	2	47/03			
37342	3	11,15,21,45/03;12/04	37523	1	7/04	43292	16	44/03			
37343	10	12/04	37524	4	5,7/04	43293	2	48/03;14/04			
37344	11	21,38,45/03;13/04	37525	3	7/04	43294	1	4,5,6,7,10,11,12,13,15,16,17,18,23,24,25,26,27,32,44/03;2,5,9,11/04			
37360	15	9,10,11,15,17,21,24,31,36,38,39,43,44,45/03;9,11,12,13/04	37526	5	3,5,7,10/04	43295	2	6,7,8,9,11,13,14,15,16,17,18,23,24,25,26,27,32,44/03;2,5,9,11/04			
37362	6	4,17,22,32,33,38,39/03;12,14/04	37527	7	44/03;7,10/04	43296	8	6,7,8,9,10,11,13,14,24,26,40,44,47,50/03;1,8,9,11/04			
			37528	4	5,7/04	43297	4	10,12,14/04			
			37529	5	20/03;1,3/04	43298	8	11/04			

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 3/03 THROUGH NM 16/04**

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.
44185	7	10,27,32,48,50/03;9,11,14/04	51007	22	7,27,33,40/03;9,10,14/04	52085	3	4,11,16,46/03	53203	11	5/03
44186	2	5,8,9,10,15,16,25,27,29,49/03;1,3,11,12,16/04	51013	4	7,21,33,36,45/03;14/04	52086	2	4,9,11,14,36/03;5,7/04	53204	10	5/03;1/04
44187	2	5,6,9,13,25,27,39,44,48,50,52/03;2,6/04	51017	31	24,40,44/03	52087	1	6/04	53205	3	5,26/03
44192	1	18,23,39,43,44,48/03;1,2,5,8,9,11,14,15/04	51022	11	44/03	52088	3	10/04*	53206	6	5,25/03
44193	1	7,15,18,43,48,50/03;5,6,9,12,14,15/04	51027	8	45/03	52092	1	16,48/03	53220	6	5,16/03;4,10,12/04
44200	9	4,9,12,13,22,27,37,43,47,50/03;12/04	51032	10	45/03	52120	12	6,11,16,18/03;6/04	53226	3	3*,17,18,35/03;12/04
44203	1	5,15,25,52/03;2,8,12,15/04	51061	14	7,15,17,19,21,22/03;4/04	52121	8	6,8,11,16,23/03	53242	12	13/03
44204	1	4,5,7,12,13,27,50/03;9/04	51062	28	15,17,19,22/03	52122	14	11,14/03;13,14/04	53262	8	1/04*
44205	2	5,7,12,15,19,22,26,27,31,39,43/03;11/04	51064	2	17/03	52124	1	6/04	53263	1	17/03
44206	1	4,5,13,16,17,19,24,28,40,46/03;6,9/04	51081	10	5,6,13,15,17,21,22,45/03;6/04	52125	1	8,11,16,18/03;14/04	53264	5	17/03
44207	1	4,5,17,19,23,28,40,41,45,46,50/03;9/04	51082	7	5,7,13,15,17,21,22,45/03	52140	6	3,12,18,29,46,49,52/03;5,7,12/04	53265	6	15,16/03
44208	1	5,15,21,22,23,33,40,46/03;9,12/04	51100	7	6,7,8,9,14,27,33,34,41/03;10/04	52141	5	41,44,46,49/03	53266	4	8,13,17/03
44209	1	4,5,7,12,13,27,50/03;9/04	51109	5	5,12/04	52142	3	14/04*	53268	4	7/03
44210	1	5,13,15,22,33,40,45/03	51120	6	6/03;4/04	52143	8	18/03;7/04	53269	5	17/03
44211	1	19,21,52/03;3,11/04	51135	1	22,46/03;4,5/04	52144	5	3,7,8,10,14,16,18,21,23,47/03;7/04	53270	3	7,15/03
44212	1	6,13,21,24,48/03;11,12,15/04	51142	2	6,13,15,22,33,40,45/03	52160	7	5,52/03;14/04	53281	4	15,18/03
44213	1	4,5,13,16,17,19,24,28,40,46/03;6,9/04	51143	4	6,40,45/03;9/04	52161	14	6,11,14,52/03	53283	4	40/03;6/04
44214	1	4,5,17,19,23,28,40,41,45,46,50/03;9/04	51144	3	15,46/03;9/04	52164	2	14/03;14/04	53284	4	7,21,24/03
44215	1	4,5,13,16,21,40,45,46,48/03;11/04	51145	2	13,22/03	52170	3	14,16,42,52/03;10/04	53285	4	7,15/03
44216	1	5,13,15,22,33,40,46/03;9,12/04	51146	3	5,36/03	52172	2	52/03	53287	6	5,7,8,10,15,22/03
44217	5	4,5,13,16,21,40,45,46,48/03;11/04	51150	1	13,15,22,33,40,46/03;9,12/04	52180	14	8,10,13,15,16,50/03;6/04	53301	4	22/03
44218	1	5,13,15,22,33,40,46/03;9,12/04	51154	3	13,15/03;6,9/04	52183	9	52/03	53306	2	31,43/03
44219	1	6,13,21,24,48/03;11,12,15/04	51155	1	15,22/03;12/04	52200	8	7,17/03	53311	3	37/03
44220	1	5,20,21,24,42/03;3/04	51158	2	6/03	52220	7	27/03	54040	3	6,10,20/03;11/04
44221	8	4,7,13,14,15,16,19,21,25,39/03;3/04	51159	3	39/03	52221	7	27/03	54041	7	4,8,16,17,24/03
44222	1	5,20,21,24,42/03;3/04	51160	20	4,5,6,7,14,15,21,22,45/03;12/04	52223	4	27/03	54043	2	17/03
44223	2	5/03	51163	4	4,43/03;12/04	52240	9	27/03	54060	5	16/03;6,12/04
44224	2	5,6,13,21,48,52/03;5,13,16/04	51164	18	4,8,43/03;5,14/04	52262	6	4/04	54061	11	42/03
44225	9	6,12,15,19,22,34,44,47,50/03;11/04	51165	8	4,8,10,14,16,39/03;5,8/04	52263	5	4/04	54063	3	13/03
44226	1	12,15,19,21,22,27,45,49,50/03;11,12/04	51166	3	N39/03	52301	2	5,12,14,24,31,49/03;6,7/04	54081	3	10/03
44227	1	13,17,19,21,26/03;14/04	51167	6	4,8,10,16/03;5,8,14/04	52308	14	4,5,9,10,12,14,31,36,39,44/03;6,11/04	54082	12	10/04
44228	1	8,21,43,45,49,50/03;13/04	51168	2	4,8,45/03;14/04	52309	9	33*/37/03	54083	4	10/04
44229	2	6,42,44/03;14/04	51170	5	13,16/03	52309	6	10,20,39/03;11/04	54085	2	15,24,42/03
44230	1	15,40,44,47/03;11/04	51172	6	16/03	52309	8	9,10,21,22,41/03	54090	3	11,15,19/03;6,12/04
44231	1	27,40,47/03;11/04	51173	2	17,18/03	52309	14	4,5,9,10,12,14,31,36,39,44/03;6,11/04	54095	3	8,15,30,42/03
44232	1	5,7,37,50/03	51174	2	43,46/03	52309	9	33*/37/03	54105	3	8,13,17,19,50/03;10/04
44233	1	36,37,39,40/03;11/04	51175	4	16,18,28,43,44,52/03	52309	10	12,16,17,38,44/03;15/04	54115	3	15,30/03;10/04
44234	2	4,6,9,10,P20,26,27,	51176	5	12/04	52309	13	14,16/03;15/04	54120	5	15,17,19/03;10/04
44235	2	28/03;2/04	51177	23	13,17/03	52309	1	50/03	54125	3	15,17,30,47/03
44236	4	6,8,9,15,P20,25,26,37,49,50,51/03;2,12/04	51178	23	6,16,34/03;15/04	52309	6	21,33/03	54131	2	50/03;12/04
44237	6	6,8,44,45/03	51179	3	5/04	52309	9	43/03;11/04	54140	7	15,30,47,51/03
44238	11	4,6,8,9,15,17,P20,26,33,37,49,50,52/03;2,6,7,11,12/04	51180	5	42/03	52309	2	39/03;11/04	54151	1	3,42/03
44239	7	7,9,P20,26,52/03	51181	8	18,43,45,46/03	52309	7	17/03	54161	12	10,20,21/03
44240	4	6,8,9,15,P20,25,26,37,49,50,51/03;2,12/04	51182	4	42/03	52309	8	20,39/03;11/04	54165	2	38/03
44241	2	4,6,7,8,12,15,17,19,24,25,27,28,35,37,39,44,52/03;2,11/04	51183	23	5,7,16,18,44/03	52309	13	21,22,23,41/03;9/04	54166	3	10/03
44242	6	4,10,15,21,26,27,28,35,52/03;4,6,15/04	51184	5	42/03	52309	1	50/03	54167	2	20/03
44243	7	4,7,8,26,27,43,52/03;4,11,13,15/04	51185	12	20,39/03	52309	6	14,16/03	54168	1	10,17,38/03
44244	1	44,52/03	51186	20	39/03	52309	8	13,16,24/03	54169	3	17,38/03;14/04
44245	2	6,39/03;13/04	51187	9	20/03	52309	9	17/03	54180	6	5,30,42,47,51/03
44246	4	4,6,7,8,9,12,15,17,19,23,24,25,27,34,41,44,49,50,51/03;2,12/04	51188	4	32,34,40/03	52309	10	10,15,17/03	54181	7	48/03*
44247	6	4,10,12,19,24,41,49/03;6,12/04	51189	1	6,21,48,49/03;7,10,13/04	52309	11	10/04	54195	2	5,51/03
44248	1	44,52/03	51190	4	5*/7,8,9,13,14,18,21,45/03	52309	12	13/04	54200	4	5,8/03
44249	2	6,39/03;13/04	51191	3	45/03	52309	16	6,10,13,18,20,21,24,31/03;11,13/04	54201	6	8/03
44250	4	4,6,7,8,9,12,15,17,19,23,24,25,27,34,41,44,49,50,51/03;2,12/04	51192	17	13,16,18,34/03;13/04	52309	20	8/03	54222	4	20/03
44251	6	6,22/03*	51193	21	6,48,50,52/03;1/04	52309	20	8/03	54223	2	8/03
44252	1	51/03;7,12,16/04	51194	2	20,39/03	52309	2	20,39/03;11/04	54224	2	8/03
44253	7	10,12,19,24,41,49/03;6,12/04	51195	21	6,7,16,18,21/03;12,13/04	52309	2	20,39/03;11/04	54226	2	47/03;12/04
44254	1	4,6,10,11,12,13,14,15,23,24,26,27,41,45,49,50/03;2,3,9,16/04	51196	20	3,11/04	52309	2	21,33/03	54227	2	47/03;12/04
44255	6	5,16/04	51197	21	6,10,13,18/03	52309	6	21,33/03	54229	4	15/03
44256	1	5,16/04	51198	4	33*/45/03	52309	11	10/04	54230	10	5,15,22/03
44257	6	5,16/04	51199	2	7/03	52309	12	13/04	54234	3	5/03
44258	1	5,16/04	51200	3	8/03	52309	13	14,16/03	54335	3	24/03
44259	2	6/04	51201	2	7,12,20,P20,26,29,34/03;	52309	14	13,21/03	54321	2	25/03
44260	7	7/04	51202	7	7,12,23,29,34/03;1,6,7/04	52309	15	16/03	54329	4	5/03
44261	10	6,10,24,25,26,28,31,36,47,50/03	51203	3	14,16/03	52309	16	13,21/03	54332	3	25/03
44262	6	5,16/04	51204	1	14/03	52309	17	15/03	54333	3	25/03
44263	2	6,10,11,14,19,24,25,40,44,47,52/03	51205	3	8/03	52309	18	8/03	54334	3	5/03
44264	6	5,16/04	51206	2	7,12,20,P20,26,29,34/03;	52309	19	29/03;11/04	54335	3	24,25/03
44265	7	52/03;7,13/04	51207	6/04	6/04	52309	20	9/03;11/04	54350	4	37/03
44266	10	6,10,12,19,24,41,49/03;6,12/04	51208	7/04	7/04	52309	21	10/04	54351	7	26/03
44267	6	5,16/04	51209	14	7,10,11,12,14,20,P20,	52309	22	10/04	54352	3	3,33,37/03;6/04
44268	9	24/03	51210	14	7,10,11,12,14,20,P20,	52309	23	11/04	54359	2	38/03
44269	2	6,25,47/03	51211	3	11,12,20,P20,26/03	52309	24	11/04	54360	12	20,21,

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 3/03 THROUGH NM 16/04

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.
54369	4	20,21,34,50/03;2/04	55190	2	6,20,27,39,40,51,52/03;2,3,6,9,15/04	61591	4	28/03	62530	6	20*,28,32,52/03;9/04
54380	6	3,16,18,28,34/03	55200	2	8,10,20,25,26,27,28,32,33,36,39,42,45,46,47,50,52/03;4,11,14/04	61610	7	34/03	62531	4	N20*,N28,N32,N52/03;N9/04
54382	9	16,28,40/03;15/04				61611	11	34/03	62540	6	8,12,17,18,21,30,35,43,50/03;9,12,15/04
54386	10	16,18/03				61612	4	34/03	62541	3	N8,N12,N17,N18,N21,N30,N35,N43,N50/03;N9,N12,N15/04
54387	7	16,18,30,39,42/03				61650	3	12/03	62550	3	16*,28,32,52/03;5,9,10/04
54400	8	3,16,22,30,36,37/03;13,14/04	56011	1	50,52/03;10/04	62001	5	11*,28,50/03;9/04	62560	4	16*,18/03;5,8,9/04
54403	4	24,30,36/03	56031	1	17,21/03	62024	13	29/03	62570	4	8,12,17,18,30,35,37,43,50/03;1,5,9,11,12,15/04
54407	4	3,7,16,30,37,49/03;13,14/04	56041	4	21/03	62028	15	10/03;13/04	62572	1	50/03*;11/04
54409	2	7,8,12/03;13/04	56060	9	27*,38/03	62032	16	11*,17,21,41/03;8/04	62580	3	12,35/03;9/04
54413	3	37/03	56063	1	16/03	62033	3	N11*,N17,N21,N41/03;N8/04	62584	2	7/04
54416	5	33,37/03	56064	6	16/03;8/04	62046	3	19/03*	62590	2	8,12,17,18,21,23,30,37,43,50/03;1,11,12,15/04
54417	1	30/03*	56065	3	16,38/03;8/04	62090	7	11/04	62591	3	N8,N12,N17,N18,N21,N23,N30,N37,N43,N50/03;N1,N11,N12,N15/04
54418	4	3,7,16,30,37,49/03	56081	19	5/04	62095	3	11*,32/03			
54419	2	3/03	56082	16	29/03	62097	6	38/03*			
54421	6	36,41,43,46,49/03	56100	14	33/03*	62098	7	33/03*			
54422	4	46/03	56101	6	5/04	62100	6	P23,26/03;11/04			
54423	5	17/03	56102	23	5/04	62110	9	P23,26/03;9/04			
54429	1	36,43/03;2,14/04	56103	6	33/03;5/04	62142	10	32/03			
54440	4	17,38/03;13/04	56104	3	22/03*;5/04	62143	3	32/03			
54462	5	17,51/03;4/04	56105	1	38/03*	62177	3	12/04			
54463	5	1/04	57000	10	43/03	62188	3	50/03			
54464	5	17/03;15/04	57029	9	12/03	62191	15	11*,15,28/03	63000	13	40/03
54480	8	17,21/03;7,13/04	57035	10	10,12,23/03;4/04	62194	8	4/03	63005	18	16/03
54481	8	33,43/03;7,13/04	57060	7	43/03	62195	7	19/03*	63010	14	44/03
55001	4	14,15,28,29,33,35,36,39,43,44,52/03;6/04	57103	2	16/03	62220	9	21/03*	63015	11	9/03
55040	4	16,20,21,35,36,39,41,42,50,52/03;6,9,13/04	57170	1	52/03	62222	5	19/03*	63020	15	4,9,11/03
55041	7	21,43,49,50/03;2,5,13,15/04	57200	6	11,52/03	62225	3	17/03	63040	2	52/03
55042	1	17,35,37/03;9/04	57201	5	52/03	62230	2	50/03;9/04	63050	2	45/03
55043	2	37,52/03	57220	4	11/03	62241	10	9/03;5/04	63053	4	39,45/03
55044	5	16,42,52/03;1,2/04	57241	12	31/03	62242	11	9/03	63055	2	39/03
55045	2	39,52/03;3,9/04	57242	8	41/03	62250	4	32/03	63060	7	45/03
55046	4	18,19,35,36,41,46,50/03;6,8,9/04	57260	3	23/03	62270	4	29,32/03	63062	7	7,16,18,37,44,50/03
55047	8	41,49,51/03;6,7,15/04	57261	2	23/03	62271	5	10/03;13/04	63063	9	20/03
55048	12	20/03;1,8,13,15/04	57262	4	23/03	62290	3	10,21,P23,26/03;11/04	63065	6	44/03
55060	7	28/03	57381	12	15,16,23/03;4/04	62302	2	4/03	63070	3	16/03
55061	1	28/03	57400	4	12/03	62310	2	29/03	63090	8	15,30,40/03
55062	5	28,33/03	57408	2	12,24/03	62340	3	13/04	63091	4	9/03;5/04
55063	1	6,44/03	57420	3	12/03	62343	3	8/03	63100	2	30/03
55064	3	6/03;8/04	57460	4	10,12,29/03	62350	3	10/03;13/04	63101	15	15,30,40/03;16/04
55082	9	5,25,32,44,46,50/03	57471	3	12,15/03	62355	6	8,29/03	63102	19	15,30,40/03;16/04
55084	7	39/03;11/04	57472	2	12/03	62360	5	12/03	63103	17	15,16/03;16/04
55085	9	5,31,33,36,39,46,50/03;9/04	57480	8	12,15,23,27/03	62361	2	N12/03	63110	4	16/03
55100	8	6,28,29,33,34,39,43,44/03;6/04	57482	12	24/03	62366	4	33/03*;9/04	63111	9	9/03;16/04
55101	4	7,25,32,34,38,39,42,43,46,50/03;2,4,6,9,11,13/04	57483	11	24/03	62391	5	33/03*	63120	2	8/03
55102	3	4,5,15,25,32,36,43,46,50,52/03;2,6,13/04	57484	19	15,23,24,27/03	62393	7	8/04	63121	5	5,8/03
55103	2	4,5,7,15,19,20,25,26,27,31,35,36,38,42,43,45,46,50,52/03;2,6,13,15/04	57488	6	24/03	62405	8	43/03	63200	5	30/03;10/04
55104	2	4,5,7,14,19,31,33,36,45,46,52/03;2,6,13,15/04	61000	20	10,15,23,27,31/03	62406	2	28/03;9,13/04	63201	9	30/03
55105	7	14,15,29,33,36,42,43,48,52/03;3,9/04	61020	2	27/03	62408	7	10/03;8/04	63205	2	30/03;10/04
55110	2	6,29,43,44,51/03;3,14,15/04	61036	8	7/03	62409	6	7/03	63210	3	16,30/03
55120	2	6,14,28,33,34,42/03;2/04	61040	6	10,31/03	62402	10	10/03*	63240	4	19/03
55127	2	10,14,24,27,32,36,51/03	61051	7	15,24/03	62404	3	6/03	63250	6	11/03;5,16/04
55128	2	4,5,8,14,26,27,28,32,34,43,50/03;2,6,9,11,13/04	61060	5	12,27,39/03	62406	2	28/03;9,13/04	63252	1	33/03
55129	7	6,15,27,34,35,43,45,46,47,50/03;2,6,13,15/04	61061	9	10,12,15,24/03	62408	7	10/03;8/04	63260	5	5/04
55109	5	12,18,24,27,35/03	61070	4	9,39/03	62409	6	7/03	63271	8	8/03;9/04
55105	7	14,15,29,33,36,42,43,48,52/03;3,9/04	61071	9	18,39/03	62411	1	10,13/04	63290	7	10,22/03
55110	2	6,29,43,44,51/03;3,14,15/04	61080	4	9/03	62412	12	52/03	63291	9	16/03
55120	2	6,14,28,33,34,42/03;2/04	61090	5	12,27/03	62413	12	28*,50,52/03;10/04	63310	5	11/03;9/04
55127	2	10,14,24,27,32,36,51/03	61091	5	12,18,24,27,35/03	62417	1	10,13/04	63320	8	37,49/03;9,16/04
55128	2	4,5,8,14,26,27,28,32,34,43,50/03;2,6,9,11,13/04	61092	13	18,27,35,39/03	62419	6	8/03	63321	6	9,37,49/03;16/04
55129	7	6,15,27,34,35,43,45,46,47,50/03;2,6,13,15/04	61100	4	10,12/03	62420	5	8,5/03;10/04	63322	2	9,49/03
55110	2	6,29,43,44,51/03;3,14,15/04	61110	3	25/03	62432	17	50/03*;11/04	63324	1	9/04
55111	12	25,27,34/03	61112	10	35/03	62434	9	8,12,17,18,21,23,43,50/03;4,5,11,12,15/04	63330	9	4/03
55112	10	35/03	61130	3	9/04	62437	10	30*,32,35,37/03;5,15/04	63337	15	4/03
55128	2	4,5,8,14,26,27,28,32,34,43,50/03;2,6,9,11,13/04	61140	5	9/04	62440	8	16*,41/03;8/04	63370	1	20/03
55129	7	6,15,27,34,35,43,45,46,47,50/03;2,6,13,15/04	61141	6	35/03;9,14/04	62442	6	24/03	63400	1	8,11/03
55129	6	35/03;9,14/04	61142	6	7,35,39/03;9,14/04	62446	3	43/03	63410	6	8,9/03
55130	2	4,6,19,32,33,34,39,42,46,50/03;2,6,9,11/04	61180	4	38/03	62449	4	8/04	63420	2	8/03
55131	1	6,19,25,38,39/03;6,9,	61190	4	9/04	62451	7	5,9/04	71005	1	6,12,13,16,23,03
55131	1	15/04	61204	5	13/03	62453	4	16*,50,52/03;10/04	71006	5	23/03
55133	3	5,14,34,36,38,46/03;6/04	61331	4	7/03	62457	6	11/03*	71009	3	6,7/03
55138	4	52/03;6,9,15/04	61400	2	7/03	62459	2	6,4/03	71015	4	23/03
55139	5	6,15/04	61410	2	7/03	62460	4	10/03;9/04	71018	10	7,12,13,15,21,25,26,27/03
55140	2	5,14,29,33,34,35,36,42,45,46,47,50/03;2,9,11/04	61430	2	7/03	62464	2	4/03	71027	9	4,5,14,18,23,33/03;14/04
55150	2	15,36,48/03;3,14/04	61433	1	7/03	62464	7	12,15/04	71033	31	3,12,14,15,23/03
55150	2	29,41,42/03;3/04	61434	2	7/03	62469	4	4,9,31/03	71036	8	12,14,23,26/03
55151	1	17,41,42/03	61541	8	41/03	62470	6	16*,18,32,41/03;8,9/04	71040	5	7,47/03
55151	1	17,41,42/03	61542	6	41,46/03	62474	3	12,15/04	71045	2	23/03
55150	2	46/03;6,9,13,15/04	61560	2	7/03	62475	2	11*,12/03;8,9/04	71066	1	6,7,10,24/03
55151	2	15,29,33,36,39,42,45,46,47,50/03;2,9,11/04	61562	2	6/03	62510	3	11*,12/03;8,9/04	71081	3	21/03
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## SECTION I

NM 16/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 3/03 THROUGH NM 16/04**

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.
71243	5	15/03*	73006	2	10/04	74273	5	7,19,27/03;10,15/04	75251	5	3,19,37,40/03;13/04
71244	3	11/04	73008	8	11,13,23/03	74281	7	3,30,52/03	75261	6	3,6,26,31,38/03;1,13/04
71247	18	5,6,8,14,17,21,22/03;11,12,15/04	73010	3	10/04	74283	2	27,52/03	75262	6	16/03;1/04
71248	2	10,N,14/04	73012	6	11/03*	74285	2	9,16,38,50/03	75263	9	5,26,31/03;1/04
71249	2	14/04	73014	10	10/04	74286	2	29,35/03	75264	17	27,32/03;1/04
71251	11	15,21,50/03;10,12,14/04	73016	4	10/04	74287	2	9,47/03	75265	2	6,20,31,32,38,40/03
71253	10	5,6,7,13,14,16,17,21/03;12,14/04	73018	3	10/04	74289	5	9/03;10/04	76015	1	28,45,52/03;3/04
71255	6	28/03*;10,11,12/04	73020	9	9,21,22/03;10/04	74290	11	7,9,10,16,27,30,38,50/03;15/04	76030	9	5/03;3/04
71257	2	5,6,7,12,13,16/03;10,11,12,14,15/04	73022	4	10/04	74292	8	9,27,52/03;1/04	76040	8	47/03
71258	2	5,6,7,13,22/03;10,12,14,15/04	73030	4	22/03	74293	7	9,16/03	76050	8	18,28,52/03
71259	3	15*,17,19,44/03;10,11,14,15/04	73032	4	9,22/03	74295	3	4,9,27,29,35/03;1/04	76054	5	52/03
71261	8	16/03	73041	2	5/03	74296	4	9,27,52/03;15/04	76056	3	9,37/03
71262	7	6,33/03	73141	5	10/04	74320	3	8,18,41,43/03	76060	7	52/03
71265	3	7,13,15,16,20/03;10,11,14,15/04	73191	3	7/03;10/04	74340	3	16/03	76061	3	9,52/03
71271	10	19/03	73271	7	13/03	74350	4	16,44/03	76070	9	28,45,47,51/03;3/04
71272	10	19/03	73552	4	7,9,10,38/03	74376	5	9,16,44/03	76071	9	28/03
71273	2	51/03	73570	7	10/03	74380	4	8,9,26/03	76080	8	18,47/03
71275	3	6,16,19,33/03	73580	4	43/03	74391	3	26/03	76081	7	28,37/03
71281	7	34/03	73581	4	3,43/03	74392	7	25,49/03	76083	3	37/03
71285	3	13,19/03	73590	6	36,43/03	74393	9	3,39/03;13/04	76120	6	45/03
71295	2	12,19/03	73601	3	43/03;12/04	74394	2	3,39/03;13/04	76121	8	47/03
71305	2	13,23/03	73620	2	12/04	74410	3	7/03	76141	8	28,37,45,52/03
71311	4	7/03	73631	4	17,40/03	74420	3	19,27,30/03	76142	1	37,45/03
71314	5	6,10/03	73640	5	16,40/03;10/04	74450	3	37/03	76144	1	28/03
71320	1	5,14,33,38/03	73650	5	40/03	74455	3	4,38,49/03	76146	1	28,45/03
71325	8	5/03	74000	6	7,18,41/03	74460	4	6,20,37/03	76147	1	28/03
71330	13	5,33,38/03	74002	2	31/03	74465	2	9,36,38/03	76160	4	28/03
71331	11	5,7,8,33,38/03	74003	5	7,10,31,34/03	74470	2	8/03	76161	10	47/03
71333	2	6,7,33/03	74004	2	9,30/03;12/04	74475	2	42,48/03	76162	1	18,28/03
71335	2	8,38/03	74005	2	4,7,9,16,27,30,38/03;	74494	2	8,9,16/03	76170	7	28,52/03
71340	11	4,5,6,7,33/03	74007	1	46/03	74510	2	5,10,17,18,35,38/03;13/04	76180	1	28/03;3/04
71343	3	7/03	74008	6	15/04	74515	4	4,7,10,31,35/03	81004	3	37*.43/03;9,10/04
71348	3	7,23/03	74009	10	8,9,21,36,44/03	74517	3	4,31/03	81048	9	52/03*;8,9/04
71349	2	23/03	74012	10	6,8,19,20,27,36,37/03;8/04	74530	2	36,49/03	81054	14	52/03*;7/04
71350	8	5,6,7,14/03	74015	10	21,31,36/03;8,13/04	74535	2	36,38,49/03	81060	2	43/03;8,9,11/04
71400	5	14,23/03	74016	3	27,42,48/03	74545	3	18,32/03	81063	5	47/03
71401	1	5/03	74017	4	18,31,38/03;13/04	74550	4	5,32/03	81067	6	46/03*;12/04
71402	1	4,5,6,33/03	74020	4	5,18,31,38/03;13/04	74555	3	5/03;12/04	81076	10	41*.44/03;12/04
71410	1	12,23/03	74021	7	7,10,26,31,35/03;13/04	74560	10	4,5,18,31,32/03;15/04	81092	3	32/03
71420	1	3,12,14,23/03	74024	7	36,49/03	74561	2	5/03	81711	6	31/03;1/04
71430	3	11*,20,23/03	74027	9	20,29,40,41/03	74581	9	27,31,39,48/03	81715	4	31/03;1/04
71440	2	11*,23/03;11,14/04	74151	11	27,30,34/03;1,13/04	74582	9	17,20,27,31,39,48/03	82005	5	17/03
71445	1	7/03	74152	2	27,41/03;1/04	75000	6	6,31/03	82010	6	17,39/03
71450	1	7/03	74153	2	27,41/03;1/04	75001	3	5,6,31,32/03	82015	13	39/03
71455	2	11*,23/03	74162	4	8/03	75025	9	4,8,25,27,36,38,39/03;	82020	7	39/03
71460	1	23/03	74171	4	3,10,18,20,40/03	75053	18	6,26,27/03;8/04	82095	2	12/04
71470	2	14/03	74172	5	7,10,18,40/03	75055	6	5/03;5,11/04	82105	2	12/04
72000	8	20,21,23,24,27/03	74181	8	10,34/03	75056	2	42/03	82192	6	43/03
72007	10	5,7,11,27,50/03;9/04	74182	12	6,10,17,25,34,38,39,40,41,42,49/03;11/04	75057	6	17,41/03;12/04	82200	2	17,41/03;12/04
72014	10	7,19/03/9/04	74183	11	4,6,17,25,38/03	75130	16	5,7,8,16,19,25,26,37/03	82201	2	12/04
72021	8	7,20,23,27,50/03;9/04	74184	10	17,34/03;8,11/04	75131	7	17,39/03	82215	2	41/03
72028	7	22/03	74186	7	4,10,17,21,27,30,36/03	75132	11	17,19,25,29,32,35/03;9/04	82244	5	20,39/03
72035	8	8,21,27/03;9/04	74190	7	16,31,34,39/03	75134	3	5,19,29,37,45/03;9/04	82253	7	20,39/03;15/04
72045	2	8,27/03;9/04	74191	2	7,9,29/03;5/04	75142	5	35/03;9/04	82571	6	14/04
72050	4	23/03	74192	3	40/03	75143	4	10/04	82683	4	17/03
72070	4	9/03	74200	8	8,32,40/03	75144	3	4,10,18,25,30,38/03;10/04	82684	3	7/03
72075	2	9/03	74201	9	32/03;11/04	75150	5	16,19,26/03	82689	3	17/03
72080	7	9/03	74202	3	7,27/03	75151	6	17,18,19,25,32/03	82694	6	17/03
72085	3	15*,50/03;9/04	74204	5	7,8,32,40,46/03;11/04	75152	7	8,25,38/03	82751	6	14/04
72094	2	7/03	74205	2	27,32,35/03;1/04	75156	6	17,18,19,25,32/03	82868	4	17/03
72100	7	7,19/03	74206	2	27,32,35/03	75170	12	8,25,38/03	83010	6	6/03
72103	2	4,6,7,19/03	74210	7	7,17,37,46/03	75171	22	6,16,26,35,38,40,44/03;10/04	83020	8	24/03
72105	2	7,11,19,50/03;9/04	74220	8	30,37,46,50/03;11,15/04	75172	5	49/03	83025	1	12,45/03
72107	2	7,19/03	74221	2	30,38/03	75173	9	6,20,26,35,38,40/03	83026	32	6/03
72110	9	9/04	74229	2	18,26,50/03	75175	9	6,18/03	83039	11	6/03
72120	3	9/04	74230	7	5,7,36,46,50/03;12,15/04	75176	9	25,26,32,40,44/03	83251	2	12/03
72131	3	11/03	74231	7	3,21,36,50/03;10/04	75177	7	6,26,38/03	83252	8	12/03
72161	10	10/03	74232	9	5,7,21/03;8/04	75180	2	8,25,38/03	83253	2	12/03
72173	2	9/04	74234	1	8,17/03	75185	2	8,36/03	83425	6	3/04
72181	2	7,11,50/03	74240	8	4,5,7,8,9,41,46/03;13/04	75190	2	25,36/03	83473	7	37/03
72190	2	10/03	74251	8	6,9,17,21/03;15/04	75193	6	5,7,10,16,19,35/03	83484	10	23,42/03
72201	8/03		74252	9	5,7,9/03;10/04	75195	6	8,19,30,34,36,38/03	83574	2	7/03
72203	2	9/04	74253	6	8,9,16,20,21,30/03;10,13,15/04	75196	6	5,7,10,16,19,35/03	83580	2	8,45/03
72211	6	5,8/03	74261	9	4,10,30,39/03	75207	2	4,16,33,37,43,49/03	83590	1	45/03
72223	8	27/03	74265	2	7,9,16,21,30/03;10,13,15/04	75208	2	30,33/03	91005	6	19,42/03
72231	8	21/03	74272	7	4,19,29,30/03;9,15/04	75213	2	33,38/03	91008	1	8,10,12/03
72234	2	18,19/03	74273	15/04		75215	2	7,33,38/03	91010	6	10,12/03
72236	1	9,12/03	74274	3	7,38/03;10,15/04	75220	12	4,20,26,39/03;8/04	91020	5	19,46/03
73000	9	10,20,21/03;10/04	74275	9	19,26,27,29,30,38/03;	75222	8	1/04	91025	8	46/03
73002	4	5,11,30/03;10/04	74276	10/04		75240	4	4,27,39/03;8/04	91030	3	46/03
73004	4	10/03;8,10/04	74277	7	4,19,29,30/03;9,15/04	75241	6	26,35/03	91331	3	42/03

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 3/03 THROUGH NM 16/04

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.
91340	3	42/03	94188	2	8,28/03	95169	2	11,16,23/03	96962	4	9,22,33/03
92006	5	5/03;10/04	94201	1	24,28/03	95171	1	6,9,21,37/03	97000	3	17,40/03
92025	3	42/03	94203	10	10,11,24,41,42/03	95172	1	9,21,32/03	97005	9	47/03
92030	4	42/03	94206	3	11,19,44/03	95173	1	28/03	97015	10	16/04
92150	3	43/03	94207	5	N11,N19/03	95174	1	12,27/03	97021	7	40/03;16/04
92160	3	43/03	94216	6	10,17,42,44,47/03;1,5/04	95176	2	8,11,30,35/03	97029	3	40/03;16/04
92170	3	43/03	94217	4	6/03;2,5/04	95177	1	9/03	97041	9	10,12,22/03
92290	2	19/03	94218	3	6,18/03;2,5/04	95180	11	6,9,10,21,23/03	97042	7	14,20/03
92296	3	19/03	94219	1	46/03;6/04	95185	2	10,35/03	97043	2	14,20/03
92410	3	42/03	94220	4	8,10,11,17,18,33,42,44,	95200	6	23/03	97060	8	12,14,22,26/03
92450	3	42/03			47/03;5/04	95243	4	15/04	97062	12	6,10,22,26,34,35/03;
93006	2	4,8,10,43,44,48/03	94260	5	6,11,31/03	95250	4	6,16,20,22,36/03			10/04
93010	6	13,14,18,24/03	94280	5	15,32/03	95255	2	7,13/03	97063	2	48/03*
93018	8	14,18,24/03	94281	6	6,42/03	95258	3	6,16,18/03	97064	2	6,14,33,45/03
93020	2	4,13/03	94282	9	8/03;7,13/04	95261	7	5,9,16,23,28,36,47/03;	97065	2	48/03*
93025	5	45/03	94283	7	8,12,32/03;7,13,14/04			14/04	97080	5	16,22,26/03
93032	3	24/03	94290	2	7,31/03;7/04	95262	13	6,9,27,36/03	97082	5	16,34/03;10/04
93046	1	5/03	94322	14	8,47/03;6/04	95264	8	25/03	97083	3	29,34,35/03
93047	2	24/03	94360	6	6,13/03;2,8,12,16/04	95267	6	15/04*	97100	4	16,17,26,49/03;16/04
93048	1	5,14,33/03	94361	13	13,15/03;2,8/04	95268	16	6,9,13/03	97101	2	50/03*
93049	1	4/03	94363	4	16,18,29/03;15/04	95270	4	9,10,13,20,21,22,23,26,	97104	4	7,41/03
93160	4	14,24,47/03	94380	4	N5,N6,N18/03			36,52/03	97105	3	41/03
93180	7	47/03	94384	3	5/03	95271	4	9,10,12,13,20,26,36/03	97108	4	50/03*
93220	6	47/03	94420	3	4,8,11,13,14,23,42,44,	95273	2	12/04	97120	6	9,14,16,17,25,40,44,45,
93240	11	16,24,47/03			47/03;2,12,16/04	95274	4	15/04*			49/03
93241	9	8,16,25/03	94421	10	4/03;12/04	95276	4	1/04*	97140	17	7,9,14,16,25,40,44,45,46,
93244	7	16/03	94423	12	11/03;12/04	95280	9	8,20,26,52/03			49,52/03
93245	6	16,24/03	94440	2	18/03	95281	15	7,10,14,36,45/03	97141	5	8,13,20/03;6/04
93260	8	7,18,47/03	95040	8	11/03	95282	7	4,6,9,19,20,22,23/03;	97143	11	9,13,20,25,26,44,49/03;
93261	5	7,47/03	95041	7	23,50/03			12/04			6/04
93280	4	18/03	95060	13	6,11,14,17,19,21,23,29,	95285	3	18,20/03;12/04	97144	14	7,8,9,13,20,39,44,49/03;
93520	13	15/03			31,33/03;16/04	95300	5	44/03;2/04			6/04
93610	3	6/03	95065	5	10,31/03	95320	15	20,21,26,33,40/03;10,13,	97145	1	8,9,25,40,45,47/03
93650	2	6,24,28,49/03;2/04	95066	11	5,6,17,19,21,23,25,27,31,			14/04	97146	10	15,39/03
93652	2	3,6,24,49/03;2/04			32,33,37/03;6/04	95341	8	10,40,44/03;10,13,14/04	97148	9	9,27/03
93680	3	24/03	95067	13	5,10,17,23,28,37/03	95342	16	9,13,16,20/03;10,13/04	97149	20	16,25/03;12/04
93690	2	6,45/03	95068	1	12,14,17,25,28,29,37/03	96004	14	16/04	97150	13	20,27,42,49/03
93698	3	28/03;6/04	95080	13	6,7,9,10,14,17,19,21,24,	96016	7	51/03	97151	16	12,13,14,16,20,25,49/03
93710	3	6,15,43,52/03			25,27,28,30,31,32,48,	96028	5	51/03	97152	9	1*;6/04
93720	10	8,15,17,20,24,28,42,43,			52/03;16/04	96032	3	34,51/03	97153	8	52/03*
93721	5	4,11,17,20,23,25,40,41,	95082	9	4,7,11,17,25,27,28,30,	96036	2	36/03;15/04	97155	14	12,13,18,20,28/03;10,
		43,44,45,46,48,49,50,			52/03;14/04	96039	7	23,44/03;8/15/04			12/04
		52/03;1,4,7,8,11,14,				96041	11	39,44,45/03;8,11/04	97156	6	14/03
		16/04				96042	11	10,21,39,40,44,45/03;8,	97157	2	40/03*;1/04
93725	6	24,49/03	95086	5	6,8,11,12,23,27,31,33/03			11/04	97158	5	50/03*
93726	4	8,12,17,45,50/03	95087	3	8,30,31/03;1/04	96043	8	11/04	97159	6	7,14,16,44,46,52/03
93730	3	4,17,24,28,31,41,42,43,	95100	12	4,6,7,8,9,10,17,23,25,27,	96044	10	23,38,51/03;2,7/04	97163	14	14,36/03;11/04
		46,47,48,49/03;13,14,			28,29,31,37/03;4/04	96120	6	21/03	97164	1	7,14,16,52/03
		16/04				96320	4	51/03	97165	1	7,16,52/03
93733	13	4,19,20,25,40,41,44,45,	95101	8	5,6,9,14,17,28,31/03	96340	4	45,51/03	97166	1	21,46/03
		47,48,52/03;1,4,8,14,			27/03;1/04	96379	1	10/03	97167	2	21/03
		16/04				96381	2	10,50/03	97180	6	4,8,13,20,22,26,44/03
93734	12	51/03*/4/04	95103	8	4,6,7,10,12,19,27,28,	96382	2	10,12,21/03	97181	20	4,7,8,12,13,14,17,18,20,
					31/03	96400	4	12/03			22,23,26,27,35,44,46/03;
93736	24	11*,16/04	95120	7	4,14,21,26/03	96440	3	11/04			1,7/04
93778	8	7/03	95138	8	8,16,17,19,23,24,25,27,	96441	1	10,50/03	97182	13	4,5,6,7,8,12,14,17,18,20,
94004	6	8,9,10,12,17,18,42/03;6,			28,30,35,36/03	96448	3	51/03;11/04			21,22,23,27,35,46/03;1,
		15/04	95140	15	7,8,9,10,17,21,24,25,	96500	6	10,39/03/8/04			9/04
94016	2	6,7,10,14,17,21,23,33,47/03			29,33,35,37,51,52/03;4,	96520	7	10/03/8/04	97183	9	5,9,14,16,18,22,26,43,
94028	7	6,7,8,9,11,14,17,21,24,	95141	8	6,7,8,17,19,21,23,25,29,	96540	5	10/03/11/04	97184	15	44/03
		27,31,33,40,51,52/03;1,4,			37,51/03;4/04	96560	5	10,51/03	97185	2	7,46/03
94033	5	19,21,23,29,42,44/03;2,	95142	9	8,10,19,23,29/03	96580	3	10/03	97187	3	9,18/03;2,16/04
		12,16/04	95143	11	5,6,7,8,9,10,11,12,13,16,	96620	3	38/03;11/04	97188	3	50/03*;7,9/04
94040	13	6,8,10,17,18,28,31,43,			17,19,23,24,25,27,28,30,	96621	5	10,38/03;11/04	97189	2	9,14,18,22,39,43/03
		51/03;13/04	95144	9	24,35,37/03	96640	5	15/04	97190	2	8,13/03
94042	9	7,18,24,43,45/03;4,8,13,				96645	1	15/04	97200	9	8,16,17,22,25,26,29/03
		16/04	95146	14	8,9,16,21,23,24,31,32,35,	96660	4	36/03	97201	7	18,28/03
94060	10	7,8,10,12,14,15,18,24,31,			37,48/03	96762	4	50/03*/16/04	97202	15	20/25/03
		42/03;11,13/04	95147	13	5,9,19,23,25,28,29,31,32,	96763	7	9,17,32,37,45/03;6,16/04	97204	9	4,6,10,19,20,25,33,43,45,
94061	5	23,41,42,52/03;11,13/04			35,36/03	96764	3	34/03*			47/03;13/04
94063	4	8,18/03	95149	9	8,9,19,24,25,27,30,32,35,	96901	3	7/03	97205	3	18,28/03
94067	10	10,11/03			52/03;16/04	96904	3	34/03*	97206	3	50/03*/13/04
94080	7	10,19,22,32,51/03;15/04	95151	17	5,19,23,28,29,30,37/03;	96910	1	10/03	97218	3	6,33/03
94082	8	8,19,22,51/03;15/04			16/04	96938	4	4/03	97219	4	6,9,13,20,23,25,47/03;
94083	12	15/04	95152	5	6,9,19,28,30,31,32,35/03	96939	3	4,7,9,22/03			13/04
94120	6	9,10,17,18,21/03;15/04	95153	2	19,25,32/03	96941	8	47/03;9,16/04	97220	3	6,8,9,17,18,23,29,33,46,
94122	7	35/03	95160	13	6,8,9,11,17,19,21,24,25,	96942	9	9/04	97221	20	49/03/6/04
94123	9	9,10,15,17,18,28/03			27,33,36,40/03;1,14,	96943	15	9,10,12,20,22,23,33,			22,23,25,26,29,33,46/03;
94124	13	10,15,17,25,28/03			42/03			42/03			6,7,11,13/04
94127	2	6,9,13,16,18/03	95161	16	5,6,8,9,10,17,19,23,25,	96944	6	16,13/20/03	97222	12	10,22,29/03;11/04
94126	7	9,10,12,16,17,18,28/03			27,30,37/03	96945	3	20,22,23,42/03;16/04	97223	3	16,17,22,23,46/03
94128	9	10,11,17,18,20/03	95162	2	10,14,19,30,35/03	96947	15	6,12,13/03	97224	6	45/03;11/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 3/03 THROUGH NM 16/04**

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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.		
97227	11	9,18,30,34/03	97461	9	5,8,19,21,22,23,26/03; 9/04		
97228	15	5,6,9,15,17,18,20,21,22, 27,29,35,49,52/03;7/04	97465	9	6,8,19,20,22,33,37/03;6, 12/04		
97229	12	6,8,9,18,28,33/03	97466	2	23,27/03		
97230	18	6,9,28,33/03	97469	10	6,8,19,20,22,33,37/03;6, 12/04		
97231	11	6,23,33/03	97471	5	N22,N33/03;N6,N10, N12/04		
97232	9	7/04*	97472	8	33/03		
97233	12	15/04*	97474	7	22/03		
97234	17	6,8,9,16,41/03;7/04	97480	7	3,9,10,17,18,21/03;15/04		
97235	2	52/03*	97481	6	9,18,20/03		
97236	20	9,16,23,35,41/03;13/04	97483	7	20/03;11/04		
97237	6	41/03	97521	6	16,18,20/03		
97238	11	12/04	97564	3	16/03		
97239	10	5,9,16,23/03	800669	8	N1,N16/04		
97241	6	10/03;1/04	800744	1	N5,N12,N13,N16,N36, N47,N50/03;N10/04		
97243	8	5,6,21,27,33/03;14/04	801217	1	N6,N8,N19,N20,N22, N33,N37/03;N6,N12/04		
97244	5	9/03	801885	3	N34/03		
97245	11	5,9,29/03	801902	9	N25,N31/03;N14/04		
97246	7	5/03;13/04	801953	1	N39,N52/03		
97251	4	6,10,17,36,52/03	802202	8	N7/03		
97261	15	5,7,18,21,26,44/03;1, 13/04	802260	5	N1/04		
97262	10	5,6,7,15,21,26,33,46/03; 2,13,14/04	803404	2	N8/04		
97263	10	5,7,9,15,18,21,46/03;2, 14/04	804059	2	N43/03		
97266	5	5,6,7,14,15,18,26,42/03; 1,2,7/04	804567	4	N31/03;N9/04		
97267	16	5,6,8,10,13,18,26,27, 42/03;7,9,13/04	805118	3	N12,N36/03;N12/04		
97268	10	6/03	805647	2	N30/03;N8,N13/04		
97269	11	8,13,18,27/03;7/04	806927	8	N25,N30,N39/03		
97270	6	5/03;7,13/04	807370	5	N17,N25,N30,N31, N39/03;N14/04		
97271	12	6,10,12,26,35,41,44/03; 9/04	807861	2	N22/03		
97272	11	6,10,12,14,23,37,47/03;1, 9,13/04	808365	2	N14/03		
97273	11	34*,52/03;1,9/04	809055	7	N16/03		
97274	19	6,9,15,17,18,23,37,47, 52/03;7,9/04	809679	2	N12,N27/03		
97275	3	52/03*					
97276	2	50/03*					
97277	11	5,6,8,9,14,35,39/03;1, 13/04					
97278	12	14/04*					
97279	9	9,27/03					
97281	3	50/03*					
97283	3	9/03					
97285	6	7,13,17,36/03;7/04					
97286	6	6,8,10,13,17,35,36,38/03					
97287	5	20/03					
97300	6	13,25,26/03;6/04					
97303	3	45/03					
97320	6	14,25,46/03;6,14/04					
97340	8	16,17,18,22,36,46,47/03; 9,14/04					
97341	9	16,21,47/03					
97342	14	17,18,22,27,43/03					
97343	12	17,25/03;9/04					
97345	2	50/03					
97360	6	5,7,13,18,27,43,45,47/03					
97380	7	8,16,23,38,40,45/03					
97381	7	7,13,27,43,45/03					
97382	2	4,42/03					
97383	16	5,7,13,42,46,47/03					
97384	4	19/03					
97385	10	5,6,7,9,46,47/03					
97387	2	4,5,7,42,46/03;10/04					
97389	2	45*,47/03					
97390	5	5,12,16,36/03;7/04					
97391	26	6,7,12,16/03					
97392	5	21,23,26,33,38/03					
97396	14	16,17,23,33,38/03;2/04					
97397	7	16,26,44,49/03					
97398	4	43/03*					
97400	4	34*,44,49/03					
97410	9	50/03*:2/04					
97412	7	47/03					
97420	17	8,10,33,38,40,45/03;1,13, 14/04					
97421	13	10,13,20,26,36/03					
97423	2	13,20,26,36/03;10/04					
97425	6	6,8,10,45/03;1,2/04					
97440	8	16,19,27,43,47/03;9/04					
97441	5	47/03;14/04					
97443	6	15,19,25,47/03					
97460	7	5,19,21,47/03;9/04					

## SECTION II

NM 16/04

## NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

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NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
REGION 1								
WOXGN540 (7642014009515)	<u>Hawaiian Islands</u>	3,121,170	<u>17</u>	<u>2/04</u>	NOS	1-8,94	16/04	
11XHA11378 (7642014010230)	Santa Rosa Sound to Dauphin Island (Not shown on index)	40,000	<u>33</u>	<u>2/04</u>	NOS	1-94	16/04	
11AHA11468 (7642014010144)	Miami Harbor	10,000	<u>40</u>	<u>1/04</u>	NOS	1-94	16/04	
11AHA11545 (7642014010167)	Beaufort Inlet and Part of Core Sound Inset: Lookout Bight (Inset not shown on index)	40,000 20,000	<u>61</u>	<u>2/04</u>	NOS	1-94	16/04	
11AHA11547 (7642014010173)	Morehead City Harbor	15,000	<u>36</u>	<u>2/04</u>	NOS	1-94	16/04	
12AHA12228 (7642014010304)	Pocomoke and Tangier Sounds	40,000	<u>30</u>	<u>2/04</u>	NOS	1-94	16/04	
12AHA12233 (7642014010312)	Potomac River-Chesapeake Bay to Piney Point	40,000	<u>36</u>	<u>1/04</u>	NOS	1-94	16/04	
12AHA12254 (7642014010315)	Cape Henry to Thimble Shoal Light	20,000	<u>44</u>	<u>2/04</u>	NOS	1-94	16/04	
13AHA13223 (7642014010417)	Newport Harbor	20,000	<u>37</u>	<u>1/04</u>	NOS	1-95	16/04	
14XHA14846 (7642014010672)	SMALL-CRAFT BOOK CHART West End of Lake Erie From Perrysburg, OH on the Maumee River to Huron River, MI and Bar Point, Ontario (book of 34 charts)	Various	<u>12</u>	<u>11/03</u>	NOS	1-96	16/04	
14XCO14962 (7642014010598)	St Marys River to Au Sable Point (LORAN-C) Insets: Grand Marais, Michigan Whitefish Point Harbor, Michigan Little Lake Harbor, Michigan (Insets not shown on index)	120,000 15,000 5,000 5,000	<u>20</u>	<u>2/04</u>	NOS	1-96	16/04	
14XHA14982 (7642014010725)	North Lake	42,240	<u>9</u>	<u>2/04</u>	NOS	1-96	16/04	
14XHA14993 (7642014010730)	<u>Namakan Lake</u>	42,240	<u>12</u>	<u>1/04</u>	NOS	1-40,96	16/04	
16BCO16501 (7642014011274)	Islands of Four Mountains (LORAN-C)	80,000	<u>7</u>	<u>1/04</u>	NOS	1-97	16/04	
16XHA16517 (7642014011360)	Makushin Bay	40,000	<u>6</u>	<u>1/04</u>	NOS	1-97	16/04	
16XHA16522 (7642014011367)	Beaver Inlet	40,000	<u>6</u>	<u>2/04</u>	NOS	1-97	16/04	
16XHA16591 (7642014011369)	<u>Cape Alitak to Moser Bay</u>	20,000	<u>9</u>	<u>1/04</u>	NOS	1-70,97	16/04	
16XHA16741 (7642014011372)	Icy Bay	40,000	<u>10</u>	<u>1/04</u>	NOS	1-97	16/04	
18BHA18443 (7642014011568)	Approaches to Everett	40,000	<u>16</u>	<u>1/04</u>	NOS	1-98	16/04	
MISCELLANEOUS CHARTS AND PUBLICATIONS								
WOPGN514 (INT 814) (7642014009474)	Bering Sea (Northern Part) (LORAN-C)	3,500,000	<u>7</u>	<u>1/04</u>	NOS	10-40	16/04	

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CDPUBSD164 (7644014665938)	New Guinea (Enroute), 2003				GPO	10-19, 38	16/04	

Price Categories effective 1 October 2002

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CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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11AHA11547 (7642014010173)	Morehead City Harbor	15,000	<u>36</u>	<u>2/04</u>	NOS	1-94	16/04	
12AHA12228 (7642014010304)	Pocomoke and Tangier Sounds	40,000	<u>30</u>	<u>2/04</u>	NOS	1-94	16/04	
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## SECTION II

NM 16/04

### NAVIGATION PUBLICATIONS

#### SAILING DIRECTIONS CORRECTIONS

**PUB 126      6 Ed 2002      LAST NM 12/04**

Page 79—Lines 14 to 34/R; read:

**Malau** (16°21'S., 179°22'E.) (World Port Index No. 55556) is situated on shore, 0.6 mile S of Mali Island. This is the site of the Fiji Sugar Corporation bulk sugar terminal. The jetty projects 200m from shore and has a depth of about 11m at its head. Three dolphins, connected to each other by walkways, form the head of the jetty; a loading tower, which is conspicuous, stands on the center dolphin. A wooden jetty, which was in disrepair in 1980, lies close SW of the jetty.

Tugs, fuel, and fresh water are not available. There is a hospital in Malau. An airport, with daily service to Suva, is close by the village.

A mooring about 0.1 mile farther W is connected by a floating pipeline with oil tanks on shore. A timber mill is situated about 0.5 mile farther SW.

Vessels using the bulk sugar terminal are loaded to a draft not exceeding 11m and are restricted to HW departures.

**Pilotage**.—Pilotage is compulsory. Pilots are arranged via the vessel's agent in Suva with a 48 hour notice given to the Suva harbormaster. Pilot boards approximately 2 miles N of Mali Pass. Arrivals and departures are restricted to daylight hours.

(BA NM 6/04, Section VI)      16/04

**PUB 154      8 Ed 2002      LAST NM 13/04**

Page 74—Line 25/R; insert after:

A breakwater, with a light at its end, has been reported (2004) to stand about 0.6 mile NW of Norman Point.

(US NM 12/04)      16/04

Page 191—Line 26/R; insert after:

A safety zone has been established around a wreck leaking oil on the W side of Grenville Channel about 0.6 mile ENE of Sylvan Peak; vessels should not anchor or fish within in 200m.

(BA NM 11/04)      16/04

Page 230—Line 43/R; insert after:

**Caution**.—A depth of 2.7m has been reported (2004) to lie about 0.5 mile SE of Logan Rocks.

(US NM 12/04)      16/04

**PUB 163      8 Ed 2002      LAST NM 12/04**

Page 122—Lines 37 to 45/R; read:

**Tanjung Maloh** (Tanjung Malok) (8°55'S., 116°44'E.), about 3.5 miles further N, may be seen from S to N, and is easily identified by the peculiar shape of a hill, 285m high. When seen from W, this hill is not particularly prominent. The bay SE of Tanjung Maloh affords anchorage in a depth of 18m.

Between Tanjung Maloh and Tanjung Benete lies the port of Benete. The port lies on the S shore of the inlet. Depths

decrease regularly from 33m in the entrance, to 20m close off its head. A buoyed channel and leading lights mark the entrance. The port services a large copper mine located inland. A pilot is available and boards vessels approximately 2 miles SW of Tanjung Benete.

(7785)04 Taunton      16/04

**PUB 164      8 Ed 2003      NEW EDITION**  
(NGA)      16/04

**PUB 173      7 Ed 2002      LAST NM 13/04**

Page 74—Line 44/R; insert after:

**Anchorage**.—Anchorage can be taken 1 mile NW of Pamban Island Light, in depths of about 7m, mud, good holding ground, with Pamban Island Light bearing between 122° and 134°.

(BA NP 38)      16/04

Page 83—Line 42/R; insert after:

Vessels should send their ETA 24 hours in advance. The message should be passed through Colombo Port Radio and the local agents.

(BA NP 38)      16/04

#### USCG NAVIGATION RULES CORRECTIONS

**COMDTINSTM166722D Ed 1999 LAST NM 52/00**

Page 6—International: General, Rule 3(a), line 2; read:  
including nondisplacement craft, WIG craft and seaplanes, used or capable of ...

(USCG)      16/04

Page 8—International: General, Rule 3, add (m); read:

(m) The term “Wing-In-Ground (WIG) craft” means a multimodal craft which, in its main operational mode, flies in close proximity to the surface by utilizing surface-effect action.

(USCG)      16/04

Page 18—International: Rule 8(a), line 1; read:

(a) Any action to avoid collision shall be taken in accordance with the Rules of this Part and shall, if the circumstances of ...

(USCG)      16/04

Page 34—International: Rule 18, add (f); read:

(f)

(i) A WIG craft shall, when taking off, landing and in flight near the surface, keep well clear of all other vessels and avoid impeding their navigation;

(ii) a WIG craft operating on the water surface shall comply with the Rules of this Part as a power-driven vessel.

(USCG)      16/04

**COMDTINSTM166722D (Continued)**

Page 46—International: Rule 23(b), line 3; read:  
Rule, exhibit an all-round flashing yellow light.

(c) A WIG craft only when taking off, landing and in flight near the surface shall, in addition to the lights prescribed in paragraph (a) of this Rule, exhibit a high intensity all-round flashing red light.

(USCG) 16/04

Page 48—International: Rule 23(c) (i), line 1; read:

(d) (i) A power-driven vessel of less than 12 meters in length may ...

(USCG) 16/04

Page 112—International: Rule 31, line 1; read:

Where it is impracticable for a seaplane or a WIG craft to exhibit lights and shapes ...

(USCG) 16/04

Page 114—International: Rule 33(a), lines 1 to 2; read:

(a) A vessel of 12 meters or more in length shall be provided with a whistle, a vessel of 20 meters or more in length shall be provided with a bell in addition to a whistle, and a vessel of 100 meters or more in length ...

(USCG) 16/04

Page 122—International: Rule 35(h), line 5; read:

addition sound an appropriate whistle signal.

(i) A vessel of 12 meters or more but less than 20 meters in length shall not be obliged to give the bell signals prescribed in paragraphs (g) and (h) of this Rule. However, if she does not, she shall make some other efficient sound signal at intervals of not more than 2 minutes.

(USCG) 16/04

Page 122—International: Rule 35(i), line 1; read:

(j) A vessel of less than 12 meters in length shall not be obliged to ...

(USCG) 16/04

Page 122—International: Rule 35(j), line 1; read:

(k) A pilotage vessel when engaged on pilotage duty may in addition to ...

(USCG) 16/04

Page 148—International: Annex I Section 13; read:

### **13. High Speed Craft\***

(a) The masthead light of high-speed craft may be placed at a height related to the breadth of the craft lower than that prescribed in paragraph 2(a)(i) of this annex, provided that the base angle of the isosceles triangles formed by the sidelights and masthead light, when seen in end elevation, is not less than 27°.

(b) On high-speed craft of 50 meters or more in length, the vertical separation between foremast and mainmast light

of 4.5 meters required by paragraph 29(a)(ii) of this annex may be modified provided that such distance shall not be less than the value determined by the following formula:

$$y = \frac{(a+17\Psi)C + 2}{1000}$$

where:

$y$  is the height of the mainmast light above the foremast light in meters;  
 $a$  is the height of the foremast light above the water surface in service condition in meters;  
 $\Psi$  is the trim in service condition in degrees;  
 $C$  is the horizontal separation of masthead lights in meters.

\* Refer to the International Code of Safety for High-Speed Craft, 1994 and the International Code of Safety for High-Speed Craft, 2000.

(USCG) 16/04

Page 152—International: Annex III Section I(a), line 5; read:

range 180-700Hz ( $\pm$  1 percent) for a vessel of 20 meters or more in length, or 180-2100Hz ( $\pm$  1 percent) for a vessel of less than 20 meters in length and which provide the sound pres- ...

(USCG) 16/04

Page 154—International: Annex III Section I(c), line 4; read:

range of frequencies 180-700Hz ( $\pm$  1 percent) for a vessel of 20 meters or more in length, or 180-2100Hz ( $\pm$  1 percent) for a vessel of less than 20 meters in length, of not less than the ...

(USCG) 16/04

Page 154—International: Annex III Section I(c), Table; read:

Length of vessel in meters	1/3-octave band level at 1 meter in dB referred to $2 \times 10^{-5} \text{ N/m}^2$	Audibility range in nautical miles
200 or more	143	2
75 but less than 200	138	1.5
20 but less than 75	130	1
	120 <sup>*1</sup>	
Less than 20	115 <sup>*2</sup> 111 <sup>*3</sup>	0.5

<sup>\*1</sup> When the measured frequencies lie within the range 180-450Hz

<sup>\*2</sup> When the measured frequencies lie within the range 450-800Hz

<sup>\*3</sup> When the measured frequencies lie within the range 800-2100Hz

(USCG) 16/04

## **SECTION II**

**NM 16/04**

### **COMDTINSTM166722D (Continued)**

Page 160—International: Annex III Section 2(b), lines 4 to  
6; read:

length. Where practicable, a ...

(USCG)

16/04

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*6827	<i>University of Maine Research Lighted Buoy R</i>	43 43 30 N 70 03 39 W	Fl Y 4s			Yellow.	Private aid.  16/04
*7127	<i>University of Maine Research Lighted Buoy Q</i>	43 40 16 N 70 10 29 W	Fl Y 4s			Yellow.	Private aid.  16/04
*7583	<i>University of Maine Research Lighted Buoy P</i>	43 37 45 N 70 12 37 W	Fl Y 4s			Yellow.	Private aid.  16/04
*10924	Boston Anchorage One Mooring Buoy					White and blue nun.	Marked "CG"  16/04
*37209.1	Rear Range Light		Iso Y 6s			On pile.	Private aid.  16/04

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9030	OLDFIELD POINT RANGE REAR LIGHT 1,925 yards, 045.2° from front light.		Oc W 4s	122		On skeleton tower.	Higher intensity on rangeline. Lighted throughout 24 hours.  *
							16/04
	<b>Sollers Point Channel</b>						
20705	Sollers Point Daybeacon 1	39 14 00 N 76 31 30 W				SG on pile.	Private aid.  *
							16/04
22825	- LIGHT 2	37 57 57 N 75 54 05 W	Q R	15	4	TR on pile.	Higher intensity beam down channel.  *
							16/04
23767	- CHANNEL LIGHT 14		Fl R 4s	15	3	TR on pile.	*
							16/04
23780	- CHANNEL LIGHT 16		Fl R 4s	19	3	TR on pile.	*
							16/04
24000	- JUNCTION LIGHT B	38 17 06 N 75 55 15 W	Fl (2+1) R 6s	15	3	JR on pile.	*
							16/04
24005	- LIGHT 7	38 17 41 N 75 55 55 W	Fl G 6s	15	4	SG on pile.	*
							16/04

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

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
29050	- Daybeacon 8A	35 08 05 N 76 00 09 W				TR on pile.	
		*					16/04
	<b>Northeast Cape Fear River</b>						
			<i>Daybeacons located 50 feet outside channel limit.</i>				
30970	- TURNING BASIN LIGHT	34 14 48 N 77 57 19 W	Fl W 4s	15	5	NB on pile.	
		*			*	*	
							16/04
30985	- LIGHT 4		Fl R 2.5s	15	6	TR on pile.	
					*		
							16/04
34840	- Daybeacon 8	34 42 49 N 76 40 36 W				TR on pile.	
		*					
							16/04

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
845.3	<i>NOAA Data Lighted Bouy 41012</i>	30 02 38 N 80 33 00 W	Fl (4) Y 20s			Yellow disc-shape with mast.	
		*					16/04
*2506	SHUTES FOLLY RANGE REAR LIGHT	32 47 24 N 79 55 44 W	F R				
							16/04
17630	- LIGHT 32		Fl R 4s	16	3	TR on pile.	
					*		
							16/04
	<b>FORT MYERS TO CHARLOTTE HARBOR AND WIGGINS PASS (Chart 11427)</b>						
	<b>San Carlos Bay</b>						
17990	- LIGHT SC	26 25 08 N 81 57 33 W	Mo (A) W	16	7	MR on dolphin.	
					*		
							16/04
21365	- Daybeacon 5A					<i>Remove from list.</i>	
						*	
							16/04
22710	- RANGE FRONT LIGHT	27 40 36 N 82 34 06 W	Q W	18		On piles.	
		*		*	*		
						Visible 2° each side of rangeline. Lighted throughout 24 hours.	
							16/04
22815	- NORTH RANGE REAR LIGHT 1,551 yards, 359.6° from front light.		Iso G 6s	59		KRW on skeleton tower on piles.	Visible 0.5° each side of range line. Lighted throughout 24 hours.
					*		
							16/04

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>VIRGIN PASSAGE AND SONDE DE VIEQUES (Chart 25650)</b>							
<b>Isla de Vieques</b>							
31705	PUNTA ESTE LIGHT	18 08 12 N 65 16 06 W	Fl W 6s	43	6	NR on tower.	
				*			16/04

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*811	Remington-102-3 Lighted Buoy Marks subsea Installation	28 18 11 N 91 28 28 W	Fl W 2.5s			White with orange bands.	SIGN: REMINGTON-EI-304-1. Private aid.
							16/04
968	Remington-250-11 Lighted Buoy Marks subsea installation.	28 37 11 N 93 01 22 W	Fl W 2.5s			White and orange bands.	SIGN: REMINGTON-WC-457-1. Private aid. Ra ref.
		*	*	*		*	*
3185	- Lighted Buoy 1 75 feet outside channel limit.	30 06 36 N 85 44 53 W	Fl G 4s	4	Green.		
		*	*				16/04
3190	- Lighted Buoy 2 75 feet outside channel limit.	30 06 32 N 85 44 49 W	Fl R 4s	4	Red.		
		*	*				16/04
3205	- Lighted Buoy 5 120 feet outside channel limit.		Fl G 4s	3	Green.		
		*					16/04
3246	- Lighted Buoy 15 80 feet outside channel limit.		Fl G 2.5s	4	Green.		
		*					16/04
3247	- Lighted Buoy 16 80 feet outside channel limit.		Fl R 2.5s	4	Red.		
		*					16/04
3340 29785	- West Lighted Buoy 9	30 09 50 N 85 42 50 W	Fl G 2.5s	3	Green with yellow square.		
		*					16/04

### PASCAGOULA HARBOR (Chart 11375)

#### Bayou Casotte Channel

7355 29785	- RANGE A FRONT LIGHT	30 20 09 N 88 30 46 W	Fl W 2.5s (Day) Fl G 2.5s (Night)	48 45	Skeleton tower on piles.	Visible on range line only.
				*		16/04

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## **SECTION II**

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

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1120 25480	EGG ISLAND LIGHT E	60 22 00 N 145 45 09 W	Fl W 6s	33	9	NR on skeleton tower.	
		*					16/04
2289	Scripps Lighted Research Buoy <i>Station 101</i>					Remove from list.	
		*					16/04
3991	- Marine Optics Lighted Buoy					Remove from list.	
		*					16/04
	<b>Redwood Creek</b>						
5180	- ENTRANCE LIGHT 2	37 33 10 N 122 11 48 W	Q R	15	4	TR on pile.	
		*				Higher intensity beam upstream. HÖRN: 1 blast ev 10s (1s bl). Operates continuously from Oct. 1 to Apr. 1. Ra ref.	
		*					16/04
*8053	- Lawson Landing Daybeacon 7	38 13 32 N 122 57 37 W				SG on pile.	Private aid.
		*					16/04
8055	- Lawson Landing Daybeacon 9	38 13 38 N 122 57 43 W				SG on pile.	Private aid.
		*	*				16/04
9930	<i>Peacock Spit Lighted Bell Buoy 7</i>	46 15 09 N 124 05 59 W	Q G	3		Green.	
		*					16/04
15660	- South Reach Lighted Junction Buoy SC	46 55 19 N 124 02 49 W	Fl (2+1) R 6s	4		Red and green bands.	
		*					16/04
*17207	Hylebos Waterway Mooring Buoy (2)	47 16 30 N 122 23 00 W				White steel mooring balls.	Private aid.
		*					16/04
22401	JARVIS ISLAND LIGHT 1	55 30 24 N 132 33 37 W	Fl G 4s	12	4	SG on spindle.	
		*					16/04
22403	CLARK BAY LIGHT 2	55 29 56 N 132 35 09 W	Fl R 2.5s	8	4	TR on skeleton tower.	Obscured from 042° to 155°.
		*					16/04
22410	Clark Bay Daybeacon 3	55 29 18 N 132 37 05 W				SG on pile.	
		*					16/04

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
23416	Shakan Strait Buoy SS	56 07 42 N 133 29 59 W				Green and red bands. *	16/04
25470	PETER DAHL BAR CHANNEL LIGHT P	60 18 22 N 145 32 09 W	Fl W 2.5s	12	6	NR on skeleton tower. Maintained from May 1 to Oct. 1.	16/04
25480 1120	EGG ISLAND LIGHT E	60 22 00 N 145 45 09 W	Fl W 6s	33	9	NR on skeleton tower. *	16/04
25483	POINT BENTINCK LIGHT	60 23 32 N 146 05 27 W	Fl W 4s	47	6	NR on skeleton tower. *	16/04
25754	Valdez Terminal Coast Guard Mooring Buoy	61 05 31 N 146 24 49 W				White sphere with blue stripe. *	16/04
25824	Valdez Security Zone Lighted Buoy B	61 06 30 N 146 21 15 W	Fl Y 6s	5	Yellow pillar. *	Port of Valdez security zone.	16/04
26255	NINILCHIK CHANNEL ENTRANCE LIGHT	60 03 17 N 151 39 53 W	Fl W 4s	25	5	NR on tower. *	Use only with local knowledge. 16/04

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## SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
528 <i>F 6814.6</i>	-S. auxiliary breakwater, head.						Remove from list. * 16/04
529 <i>F 6814.5</i>	-Detached breakwater, W. head.	42° 58.7' N 144° 21.0' E	Iso.R. period 6s	59 18	11	Red tower; 30.	Horn: 1 bl. ev. 11s. * 16/04
19725 <i>F 3525</i>	Tai O Bay.			*	*	*	Remove from list. * 16/04
27764 <i>F 0622.2</i>	-Mole, head.	15° 25.1' N 73° 47.6' E	Fl.W. period 10s fl. 1s, ec. 9s	26 8	10	White masonry tower; 20.	Fl. R. 3s mark mooring dolphins SE. * 16/04

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2960 <i>D 1892</i>	-Punta Borneira, No. "6".	42° 14.4' N 8° 47.5' W	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	5	Red and white tower; 36.	Radar reflector. * 16/04
2962 <i>D 1894.5</i>	-Dique Frigorificos del Morrazo, head.	42° 15.3' N 8° 47.1' W	Fl.(2)R. period 7s	23 7	3	Red round tower; 16.	Visible 080°-360°. * 16/04
2968 <i>D 1895.4</i>	--Inner mole, head.	42° 15.7' N 8° 46.9' W	Fl.(2+1)R. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 7.5s	7 2	1	White and red square tower; 23.	* 16/04
2972 <i>D 1896</i>	-Bouzas, Dique Muelle, 4th arm, head.	42° 14.0' N 8° 44.4' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	Green round tower; 16.	Obscured 061°-110°. Radar reflector. * 16/04
2976 <i>D 1895.8</i>	-Ferry jetty, NE. corner.	42° 14.1' N 8° 45.1' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	33 10	5	Green 4-sided tower; 13.	Visible 072°-319°. * 16/04
24088 <i>D 2952</i>	-Ponta do Sol, island, N. point.	17° 12.8' N 25° 05.7' W	Fl.W. period 4s	49 15	9	Metal mast with lantern; 33.	* 16/04

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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
24092 <i>D 2954</i>	-Ponta de Mangrade (Ponta Oeste).	17° 03.4' N 25° 21.8' W	Fl.(2)W. period 10s	367 112	13	White column, red lantern; 10.	Visible 005°-200°.
			*				16/04
24144 <i>D 2930</i>	-Ponta Calheta.	16° 34.0' N 24° 00.0' W	Fl.(4)W. period 10s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 5.2s	239 73	11	White column, red lantern; 14.	Visible 140°-030°.
			*			*	16/04
ILHA DO SAL:							
24148 <i>D 2921</i>	-Baia da Palmeira Range, front.	16° 45.0' N 22° 59.0' W	Fl.W. period 3.5s fl. 1s, ec. 2.5s	30 9	5	Red post; 23.	Marks oil pipeline.
			*				16/04
24188 <i>D 2923.3</i>	--Rear, 215 meters 306° from front.	16° 45.6' N 22° 54.2' W	2 F.W. (vert)	69 21	2	Framework tower on house; 23.	Occasional. Private light.
			*				16/04

### 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
VATLESTRAUMEN:							
3592 <i>B 3808</i>	-Hilleren, E. side.	60° 20.0' N 5° 11.9' E	Oc.(2)W.R.G. period 8s	25 8	W. 10 R. 8 G. 7	White lantern.	G. 356°-356°30', W.-007°, R.-122°30', W.-126°30', G.-150°.
			*				16/04
14248 <i>L 4022</i>	-Sore Honningsvag.	70° 58.6' N 25° 58.1' E	Oc.(2)W.R.G. period 8s	95 29	W. 6 R. 4 G. 4	White lantern.	G. 296°-317°30', W.-050°, R.-145°, W.-152°30', obsc.-156°, W.-157°, G.-190°.
			*			*	16/04
*14257 <i>L 4024.1</i>	--S. mole, head.	70° 59.4' N 25° 57.6' E	Iso.G. period 2s				
							16/04
14276 <i>L 4034</i>	-Helnes.	71° 03.7' N 26° 13.4' E	Fl.(2)W. period 30s fl. 0.5s, ec. 7s fl. 0.5s, ec. 22s	123 37	17	White concrete tower; 33.	
			N(-•) period 30s			(3 & 10 cm)	
			*			*	16/04

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## SECTION II

### CORRECTIONS TO PUB 115, RADIOBEACONS, 2003 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
200	Hernes Light Station						Remove from list.  * 16/04

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9168 -Bedaro. C 6606		58° 53.8' N 17° 57.6' E	Iso.W.R.G. period 4s	10 3	W. 7 R. 5 G. 4	White hut.	G. 020°30'-033°30', W.-036°, R.-043°, obsc.-155°, G.-163°, W.-177°, R.-195°.
		*	*				16/04
11752 --Rear, 800 meters 113° from C 5743.1 front.		65° 32.2' N 22° 17.7' E	Q.W.	36 11	9	White tower, white triangular daymark, orange border, point down.	Visible on range line only. Radar reflector.
		*	*				16/04
12496 Someri Poolsaar. C 3595		58° 21.0' N 23° 44.4' E	Fl.W. period 6s fl. 0.6s, ec. 5.4s	76 23	15	White octagonal concrete tower, balcony; 66.	Shown Apr. 4 to Dec. 15.
		*	*				16/04
*12694 -Panga. C 3717.5		58° 34.2' N 22° 17.3' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	157 48	7	Red framework tower, white trapezoidal daymark; 98.	Shown Apr. 5 to Jan. 10.
							16/04

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## SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 16/04

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, 13,14,15,16/04	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*,8,17,20,21,22, 23,24,26,28,30,32, 33,34,44,48,52/03;2, 3,5,7,10,11,14,15/04	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
Region 3	2002	1/03*	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, 16/04	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, 14/04	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	SDPUB141	2001	21*,38/01	SDPUB193	2000	27*,38,49,09/26, 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	SDPUB142	2000	49/00*,3,31,35/01; 1,15,43/02	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32, 33,41,43,46,49/03;1, 12/04
Region 8	2002	1*,14,37,41,46, 52/03	SDPUB147	2001	35/01*;21,22,23, 24/02;39,40,41,46, 50/03;10,12,15/04	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, 14,15/04	SDPUB148	2001	48/01*;23,24/02;22, 42,43,45,48,50, 52/03;5,13,14/04	<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, 10,11,13,14,16/04	SDPUB149	2001	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	COMDTM165021	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 36,37,38,39,40,41, 42,43,44,45,48,50, 52/03;3,4,6,7,8,9,10, 12,14,15,16/04
<b>NGA LIST OF LIGHTS</b>								
LLPUB110	2004	10*,14,15/04	SDPUB153	2000	6/01*;28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15,22,25,32, 35,37,38,39,40, 43/03	COMDTM165022	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 35,36,37,38,39,40, 41,42,43,44,45,46, 47,48,49,50,51, 52/03;1,2,3,4,5,6,7, 8,9,10,11,12,13,14, 12,14,15,16/04
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, 13,14,15/04	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30,41,42,47/03; 10,12,13,16/04	COMDTM165023	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 35,36,37,38,39,40, 41,42,43,44,45,46, 47,48,49,50,51, 52/03;1,2,3,4,5,6,7, 8,9,10,11,12,13,14, 15,16/04
LLPUB112	2004	7*,9,10,11,12,14,15, 16/04	SDPUB155	2001	31*,48/01;10,45, 46/02	COMDTM165023	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 35,36,37,38,39,40, 41,42,43,44,45,46, 47,48,49,50,51, 52/03;1,2,3,4,5,6,7, 8,9,10,11,12,13,14, 15,16/04
LLPUB113	2003	46*,48,49,50,51, 52/03;1,2,3,4,5,6,7, 8,9,10,11,12,13,14, 15,16/04	SDPUB159	2002	42*,48/02;10,13, 15/04	COMDTM165024	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49,50,51,52/03;1, 2,3,4,6,7,8,9,10,11, 12,13,14,15,16/04
LLPUB114	2003	7*,19,21,22,23,24, 27,31,32,40,43,44, 46/03;12,13/04	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, 11/04	COMDTM165024	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49,50,51,52/03;1, 2,3,4,6,7,8,9,10,11, 12,13,14,15,16/04
LLPUB115	2003	42*,44,46,47,48,49, 51,52/03;1,3,5,7,10, 12,13,14,15,16/04	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03;10,14/04	COMDTM165025	2002	16/02*
LLPUB116	2003	24*,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,47,48,49, 50,51/03;1,2,3,5,6,7, 8,9,10,11,12,13,14, 15,16/04	SDPUB162	2001	51/01*;5,12/03; 12/04	COMDTM165026	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49,50,51,52/03;1, 2,3,4,6,7,8,9,10,11, 12,13,14,15,16/04
<b>SAILING DIRECTIONS</b>								
CDPUBSD125	2003	19*,43,44,51,52/03	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, 16/04	COMDTM165026	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49,50,51,52/03;1, 2,3,4,6,7,8,9,10,11, 12,13,14,15,16/04
CDPUBSD127	2003	39/03*	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26,41/03	COMDTM165027	2003	18*,20,21,22,23,24, 26,27,28,30,31,32, 33,34,35,36,37,38, 39,40,43,44,46,47, 48,49,50,51,52/03;1, 2,3,4,6,7,8,9,10,11, 12,13,14,15,16/04
CDPUBSD131	2002	9/03*	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, 5,8,9,12,13,14/04	FGPUB940ATL	2001	N47/01*
CDPUBSD132	2003	6/04*	SDPUB173	2002	50*,51/02;3,22,24, 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, 5,8,9,12,13,14/04	FGPUB941PAC	2001	N22/01*
CDPUBSD143	2003	46/03*	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	<b>FLEET GUIDES</b>		
CDPUBSD145	2003	51/03*				<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
CDPUBSD146	2002	4/03*				NOSPBCCATALOG1	2000	20/00*
CDPUBSD157	2003	17/03*				NOSPBCCATALOG2	2000	34/00*
CDPUBSD158	2003	24/03*				NOSPBCCATALOG3	2000	28/00*
CDPUBSD164	2003	16/04*				NOSPBCCATALOG4	2000	34/00*
CDPUBSD191	2003	52/03*				<b>ALMANACS</b>		
CDPUBSD192	2003	32*,36,38,39,40,41, 42,43/03				AIRALMANAC401	2004	29/03*
CDPUBSD194	2002	6*,8,15,17,30,33,35, 37,38,39,40/03						

## SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 16/04**

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.	
NAUTALMANAC04	2004	29/03*				
<b>COAST PILOT</b> NOSPBCP1	33	27*,28,29,32,33,34, 39,42,46,48/03;1,6, 8,10/04				
NOSPBCP2	33	5*,6,9/04	<b>TIDAL CURRENT TABLES</b>			
NOSPBCP3	37	14/04*	NOSPBTCTATCSTN4	2004	N1/04*	
NOSPBCP4	35	34*,36,39,42,44,46, 47,51/03;6,7,8,9,11, 12/04	NOSPBTCTPACAS4	2004	N1/04*	
NOSPBCP5	31	51*,52/03;1,7,8,9, 10,12,13,15/04				
NOSPBCP6	34	13/04*				
NOSPBCP7	35	37*,38,39,42,44,45, 48,51/03;5,7,8,9, 14/04				
NOSPBCP8	25	32*,33,34,39,42,48, 51/03;1,7,8,10/04				
NOSPBCP9	21	30*,32,33,36,39,42, 48,51/03;8/04				
<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*				
<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	1970	11/71*				
SRPUB229V2	1970	11/71*				
SRPUB229V3	1970	7/71*				
SRPUB229V4	1970	3/71*				
SRPUB229V5	1970	3/71*				
SRPUB229V6	1970	23/70*				
<b>SIGHT REDUCTION TABLES (AIR)</b>						
SRPUB249V1	2000	4/01*				
SRPUB249V2	1952	46/52*				
SRPUB249V3	1952	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	2002	42/03*				
NVPUB107	1998	30/99*				
NVPUB109	2001	49/02*				
<b>USCG NAVIGATION RULES</b> COMDTM166722D	1999	44/99*,52/00;16/04				
<b>NOS TIDE TABLES</b>						
NOSPBTTCWPACIN4	2004	N1/04*				
NOSPBTTECSTNSA4	2004	N1/04*				
NOSPBTTEURAFR4	2004	N1/04*				
NOSPBTWCSTNSA4	2004	N1/04*				

## **SECTION III**

**NM 16/04**

### **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 011200Z April 2004:

2003 series	2004 series	84(11)	100(GEN)	104(11)
108(26,27)	57(GEN)	91(GEN)	102(GEN)	
387(GEN)	79(26)	93(25)	103(GEN)	

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 251300Z March to 011200Z April 2004.**

95/04 thru 99/04. CANCELED.

100/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 271000Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 57(GEN), 79(26), 84(11), 87(GEN), 89(11,26), 91(GEN), 93(25), 95(14).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA IV 94/04.

(271010Z MAR 2004)

101/04. CANCELED.

102/04(GEN). NORTH ATLANTIC. RADIO SERVICES.  
COGARD CAMSLANT SITOR AND TELEX OFF AIR.

(290030Z MAR 2004)

103/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 30 UNUSABLE 011315Z TO 020115Z APR.
2. CANCEL THIS MSG 020215Z APR.

(291345Z MAR 2004)

104/04(11). FLORIDA-WEST COAST.

CHART 11424 (18TH ED).  
DANGEROUS WRECK VICINITY 27-17.8N 082-42.6W.

(291540Z MAR 2004)

105/04. CANCELED.

## SECTION III

### HYDROLANTS

Messages in force 011200Z April 2004:

2000 series	604(26,27)	2399(24)	230(57)	453(24)	519(51)
2937(38)	738(35)	2406(54)	272(24)	467(23)	520(24)
3762(43)	1117(37)	2407(54)	309(GEN)	473(57)	521(24)
4265(44)	1242(24)	2408(54)	326(52,53,56)	478(51)	522(24)
2001 series	1291(37)	2409(54)	337(54)	480(22)	524(53)
611(44)	1422(53)	2410(54)	340(36)	486(52,53)	525(53)
2700(37)	1472(35)	2413(54)	355(53)	488(55)	526(53)
3161(44)	1731(35)	2414(54)	360(36,37,44)	495(GEN)	527(37)
2002 series	1944(53)	2416(54)	378(35)	496(36,37)	528(24)
245(GEN)	1999(23)	2418(52)	381(53)	500(36,37)	529(24)
246(GEN)	2031(55)	2419(54)	399(37)	503(GEN)	530(53)
2682(51)	2175(24)	2420(54)	409(26)	504(55)	532(24)
2848(37)	2203(53)	2004 series	413(54)	505(52,53)	533(24)
2003 series	2297(24)	164(53)	438(24)	513(56)	534(53)
41(37)	2319(53)	169(51,52)	440(55)	514(GEN)	535(24)
67(37)	2374(35)	224(24)	449(53)	515(52,53)	536(55)
544(55)	2384(23,24)	229(57)	452(55)	516(51,52)	

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 251300Z March to 011200Z April 2004.

487/04. CANCELED.

488/04(55). BLACK SEA. ORDNANCE.

1. GUNNERY/TORPEDO FIRING EXERCISES  
312100Z MAR TO 042100Z APR  
IN AREA BOUND BY 43-45.9N 037-17.6E,  
44-00.0N 037-10.0E, 44-03.0N 037-46.0E,  
43-47.2N 038-11.9E, 43-39.5N 038-02.5E.
2. CANCEL THIS MSG 042200Z APR.

(261120Z MAR 2004)

489/04 thru 494/04. CANCELED.

495/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 271100Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 272(24), 309(GEN), 322(53), 326(52,53,56), 337(54), 340(36), 343(53), 355(53), 359(51), 360(36,37,44), 378(35), 381(53), 399(37), 409(26), 413(54), 436(GEN), 438(24), 440(55), 444(24), 449(53), 452(55), 453(24), 464(37), 467(23), 473(57), 478(51), 480(22), 483(24), 484(24), 485(55), 486(52,53), 487(55), 488(55), 489(37), 490(55), 491(GEN), 493(35), 494(55).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROLANT 249/04, 259/04, 468/04, 469/04, 479/04.

(271110Z MAR 2004)

496/04(36,37). CELTIC SEA.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY CABLESHIP WAVE SENTINEL VICINITY 48-48.8N 006-20.7W.  
WIDE BERTH REQUESTED.

(271140Z MAR 2004)

497/04 thru 499/04. CANCELED.

500/04(36,37). CELTIC SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY CABLESHIP LEON THEVENIN VICINITY OF TRACKLINE BETWEEN 48-49N 006-00W AND 49-08N 005-52W.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 444/04(24).

(271240Z MAR 2004)

501/04 and 502/04. CANCELED.

## SECTION III

503/04(GEN). SOUTH AFRICA TO NETHERLANDS.  
 S/V ILLEX II, RED HULL, TWO PERSONS ON BOARD, UNREPORTED  
 CAPE TOWN TO NETHERLANDS. VESSELS IN VICINITY REQUESTED  
 TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO JRCC DEN HELDER.

(271320Z MAR 2004)

504/04(55). BLACK SEA. GUNNERY.  
 1. GUNNERY EXERCISES 0530Z TO 1300Z DAILY  
   31 MAR THRU 04 APR IN AREA BOUND BY  
   45-03.5N 036-22.5E, 44-52.1N 036-22.5E,  
   44-49.6N 035-50.5E, 44-59.9N 035-50.5E.  
 2. CANCEL THIS MSG 041400Z APR.

(271340Z MAR 2004)

505/04(52,53). STRAIT OF SICILY.  
 CHART 52170 (3RD ED).  
 LIMARSI POINT LIGHT 36-44.2N 012-02.0E UNLIT.

(271436Z MAR 2004)

506/04 thru 512/04. CANCELED.

513/04(56). LIBYA. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 0700Z TO 1400Z DAILY  
   03 THRU 10 APR IN AREA BOUND BY  
   32-47N 012-50E, 32-49N 012-57E,  
   33-00N 012-57E, 33-00N 012-56E.  
 2. CANCEL THIS MSG 101500Z APR.

(291150Z MAR 2004)

514/04(GEN). GPS SATELLITE SYSTEM.  
 1. PRN 30 UNUSABLE 011315Z TO 020115Z APR.  
 2. CANCEL THIS MSG 020215Z APR.

(291354Z MAR 2004)

515/04(52,53). WESTERN MEDITERRANEAN SEA.  
 1. CABLE OPERATIONS 02 THRU 09 APR  
   BY CABLESHIP RENE DESCARTES  
   ALONG TRACKLINE BETWEEN  
   38-37N 007-23E AND 38-42N 007-09E.  
   WIDE BERTH REQUESTED.  
 2. CANCEL THIS MSG 10 APR.

(291456Z MAR 2004)

516/04(51,52). AFRICA-NORTHWEST COAST. GUNNERY.  
 1. GUNNERY EXERCISES 02 THRU 30 APR  
   WITHIN 20 MILES OF:  
   A. 33-41N 008-03W.  
   B. 29-53N 010-15W.  
   C. 27-00N 013-50W.  
   D. 23-35N 017-00W.  
   E. 35-22N 004-05W.  
 2. CANCEL THIS MSG 01 MAY.

(291630Z MAR 2004)

517/04 and 518/04. CANCELED.

519/04(51). NORTH ATLANTIC.  
 MAN OVERBOARD IN AREA BETWEEN 05-00N 06-00N AND  
 019-00W 020-00W. VESSELS IN VICINITY REQUESTED  
 TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO MRCC GRIS NEZ, TELEX: 4213 4022,  
 PHONE: 333 2187 2187, FAX: 333 2187 7855.

(300720Z MAR 2004)

520/04(24). BRAZIL-EAST COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 01 APR BY  
   M/V RAMFORM VIKING TOWING EIGHT 6000 METER  
   LONG CABLES IN AREA BETWEEN  
   13-09S 13-45S AND 038-56W 038-31W.  
   FOUR MILE BERTH REQUESTED.  
 2. CANCEL THIS MSG 02 APR.

(300750Z MAR 2004)

### SECTION III

NM 16/04

521/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY BY M/V TROPICALIENTE TOWING TWO 20 METER LONG CABLES AND M/V BULLDOG TOWING TWO 15 METER LONG CABLES:
  - A. IN PROGRESS UNTIL 31 MAR IN AREA BOUND BY 13-38.90S 038-53.98W, 13-41.30S 038-48.15W, 13-41.68S 038-48.33W, 13-39.28S 038-53.42W.
  - B. 01 APR IN AREA BOUND BY 13-39.38S 038-53.45W, 13-41.78S 038-48.38W, 13-42.17S 038-48.58W, 13-39.78S 038-53.65W.ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 02 APR.

(300810Z MAR 2004)

522/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 01 APR BY M/V VERITAS VIKING TOWING EIGHT 6000 METER LONG CABLES IN AREA BETWEEN 15-42S 15-08S AND 038-48W 037-47W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 02 APR.

(300815Z MAR 2004)

523/04. CANCELED.

524/04(53). SICILIA-SOUTHEAST COAST. GUNNERY.

1. GUNNERY EXERCISES SUNRISE TO SUNSET DAILY 01, 02, 05 THRU 09, 13 THRU 16, 19 THRU 23 AND 26 THRU 30 APR WITHIN 1.5 MILES OF 36-39-19N 015-00-53E.
2. CANCEL THIS MSG 01 MAY.

(301120Z MAR 2004)

525/04(53). SARDEGNA-NORTHWEST COAST.

1. OCEANOGRAPHIC OPERATIONS 01 THRU 10 APR BY M/V L'EUROPE VICINITY:
  - A. 40-51.02N 008-26.61E.
  - B. 40-51.71N 008-22.39E.
  - C. 40-52.86N 008-18.57E.
  - D. 40-59.16N 008-16.08E.
  - E. 41-03.68N 008-18.28E.WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 11 APR.

(301140Z MAR 2004)

526/04(53). SARDEGNA-EAST COAST. MISSILES. ROCKETS.

1. HAZARDOUS OPERATIONS:
  - A. 0600Z TO 1800Z DAILY 01, 02, 05 THRU 09, 13 THRU 16, 19 THRU 23 AND 26 THRU 30 APR IN AREA BOUND BY 40-00N 010-00E, 40-00N 010-30E, 39-10N 010-30E, 39-10N 010-00E, 39-26N 009-38E, 39-38N 009-38E.
  - B. 0700Z TO 1530Z DAILY 01, 06 THRU 08, 13 THRU 15, 20 THRU 22 AND 27 THRU 29 APR IN AREA BOUND BY 40-15N 010-00E, 40-15N 011-31E, 40-11N 011-33E, 39-32N 011-38E, 38-52N 011-28E, 39-10N 010-00E, 39-28N 009-38E, 39-43N 009-40E.
  - C. 0700Z TO 1530Z DAILY 01, 06 THRU 08, 13 THRU 15, 20 THRU 22 AND 27 THRU 29 APR IN AREA BOUND BY 40-37N 009-50E, 40-40N 010-35E, 40-40N 010-50E, 39-20N 010-50E, 39-20N 009-47E, 39-24N 009-40E.
2. CANCEL THIS MSG 301900Z APR.

(301240Z MAR 2004)

527/04(37). ENGLAND-EAST COAST. NORTH SEA.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 53-29N 002-18E AT 301639Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO UKMRCC.

(301834Z MAR 2004)

528/04(24). BRAZIL-SOUTH COAST.

1. F/V VALIO II, SIX PERSONS ON BOARD, PARTIALLY SUBMERGED AND ADRIFT IN 29-09.7S 049-07.2W AT 301335Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL HYDROLANT 510/04.

(310640Z MAR 2004)

## SECTION III

529/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 030259Z APR  
BY M/V CGG HARMATTAN TOWING SIX 6000 METER  
LONG CABLES IN AREA BOUND BY  
25-32S 045-59W, 25-37S 045-59W,  
25-29S 045-24W, 25-26S 045-25W.  
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 030359Z APR.

(310720Z MAR 2004)

530/04(53). SICILIA-EAST COAST. GUNNERY.

1. GUNNERY EXERCISES 020600Z TO 021300Z APR IN AREA  
BETWEEN 37-15N 37-25N AND 015-35E 015-48E.
2. CANCEL HYDROLANT 489/04(37), AID RESTORED.
3. CANCEL THIS MSG 021400Z APR.

(311140Z MAR 2004)

531/04. CANCELED.

532/04(24). NORTH ATLANTIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ VICINITY  
03-43.06N 031-47.35W. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF  
POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(010242Z APR 2004)

533/04(24). BRAZIL-SOUTH COAST.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 080259Z APR  
BY M/V POLAR BJORN TOWING 50 METER  
LONG CABLE IN AREA BETWEEN  
24-10S 24-36S AND 043-00W 044-43W.  
TWO MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 2354/03.
3. CANCEL THIS MSG 080359Z APR.

(010720Z APR 2004)

534/04(53). SICILIA-EAST COAST.

CHART 53200 (6TH ED).  
DROMO GIGGIA LIGHT 37-12N 015-09E UNLIT.

(011020Z APR 2004)

535/04(24). BRAZIL-SOUTH COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1030Z TO 2030Z DAILY 05 THRU 20 APR  
IN AREA BOUND BY 24-14S 045-00W,  
23-52S 045-14W, 23-47S 044-58W,  
23-52S 044-52W, 24-06S 044-49W.
2. CANCEL THIS MSG 202130Z APR.

(011040Z APR 2004)

536/04(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 050530Z TO 051300Z APR  
IN AREA BOUND BY  
45-03.5N 036-22.5E, 44-52.1N 036-22.5E,  
44-49.6N 035-50.5E, 44-59.9N 035-50.5E.
2. CANCEL HYDROPAC 512/04, OPERATIONS CANCELED.
3. CANCEL THIS MSG 051400Z APR.

(011120Z APR 2004)

**SECTION III****NAVAREA XII**

Messages in force 011200Z April 2004:

2003 series 262(GEN)	2004 series 70(GEN)	110(18) 111(GEN)	112(19) 114(GEN)	118(18)
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The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03.  
Warnings issued during the subsequent quarter are issued in NM 13/04.

**NAVAREA XII WARNINGS issued from 251300Z March to 011200Z April 2004.**

108/04 and 109/04. CANCELED.

110/04(18). NORTH PACIFIC. NAVTEX.

NAVTEX STATIONS CAMBRIA AND ASTORIA OFF AIR. BROADCASTS  
WILL BE TRANSMITTED FROM NAVTEX STATION PT REYES.

(270206Z MAR 2004)

111/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 271000Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 70(GEN), 75(19), 96(GEN), 107(18), 110(GEN).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA XII 102/04.

(271020Z MAR 2004)

112/04(19). NORTH PACIFIC. HAWAII. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2400Z DAILY MONDAY THRU SUNDAY IN THE PACIFIC MISSILE RANGE FACILITY, HAWAIIAN AREA, BARKING SANDS, KAUAI. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1600Z TO 0400Z DAILY MONDAY THRU FRIDAY. THE PACIFIC MISSILE RANGE FACILITY HAWAIIAN AREA (W188) IS BOUND BY:
  - A. 22-00.0N 159-51.0W.
  - B. 22-00.0N 160-00.0W THENCE CCW THREE MILES FROM
  - C. 22-02.7N 160-09.1W. NIIHAU/LEHUA.
  - D. 22-03.0N 160-21.0W.
  - E. 22-05.0N 161-35.0W THENCE CW 100 MILES FROM
  - F. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - G. 22-45.0N 161-25.0W.
  - H. 22-56.0N 161-49.0W THENCE CW 125 MILES FROM
  - I. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - J. 23-57.0N 160-41.0W.
  - K. 25-41.0N 161-36.0W THENCE CW 240 MILES FROM
  - L. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - M. 25-47.0N 158-15.0W.
  - N. 23-54.0N 158-15.0W.
  - O. 22-20.0N 159-09.0W THENCE CCW 25 MILES FROM
  - P. 21-58.1N 159-20.5W. LIHUE VORTAC.
  - Q. 22-13.0N 159-42.0W THENCE CCW THREE MILES AND PARALLEL TO THE SHORELINE OF KAUAI.
  - R. 22-00.0N 159-51.0W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "MISSILE RANGE BARKING SANDS" ON 2182 KHZ, 4491 USB OR 156.8 MHZ (CHANNEL 16) BEFORE ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT THE PACIFIC MISSILE RANGE FACILITY PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH U.S. COAST GUARD HONOLULU.
3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE THE VESSEL'S SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
4. CANCEL NAVAREA XII 75/04.

(271040Z MAR 2004)

113/04. CANCELED.

114/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 30 UNUSABLE 011315Z TO 020115Z APR.
2. CANCEL THIS MSG 020215Z APR.

(291402Z MAR 2004)

115/04 thru 117/04. CANCELED.

## SECTION III

118/04(18). EASTERN NORTH PACIFIC. MISSILES.

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

A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL

B. 33-52N 119-06W. TO THE SHORELINE.

C. 33-29N 119-07W. N. 34-24N 120-30W.

D. 33-29N 118-37W. O. 34-08N 120-26W.

E. 33-20N 118-37W. P. 34-08N 119-40W.

F. 32-11N 120-16W. Q. 34-00N 119-40W.

G. 31-54N 121-35W. R. 34-06N 119-13W.

H. 35-09N 123-39W. S. 34-06N 119-11W.

I. 35-29N 123-00W. T. 34-07N 119-10W.

J. 35-04N 122-43W. U. 34-07N 119-07W.

K. 35-57N 121-32W. V. 34-04N 119-04W.

L. 34-59N 120-42W.

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

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

4. CANCEL NAVAREA XII 107/04.

(011010Z APR 2004)

### SECTION III HYDROBACS

Messages in force 011200Z April 2004:

2001 series	998(71)	302(62)	438(93)	530(61)	570(76)
1976(62)	1041(71)	307(61)	453(61)	534(29)	572(83)
2002 series	1198(92)	308(61)	455(73)	537(76)	573(74)
205(GEN)	1330(62)	316(61)	459(63)	545(74)	574(63)
206(GEN)	1395(62)	317(95,96)	460(94)	548(63)	576(63)
403(72,73)	1699(63)	320(97)	464(63)	549(63)	577(GEN)
2330(62)	1700(62)	329(71)	465(63)	552(76)	580(74)
2003 series	1911(62)	331(GEN)	466(63)	554(29)	581(74)
167(95)	1982(GEN)	352(63)	485(81)	555(76)	583(61,63)
207(62)	2004(73,74)	368(63)	487(76)	556(GEN)	584(83)
495(62)	2159(63)	380(74,82)	493(63)	558(94,95)	587(63,71)
496(62)	2265(62)	387(22)	494(61)	559(94,95)	588(63)
506(62)	2275(22)	394(83)	495(61)	560(95)	589(81)
638(62)	2004 series	402(62)	509(63)	561(95)	590(63)
760(63)	23(62)	403(62)	520(74)	562(94,95)	592(61)
761(63)	277(63)	408(63)	523(63)	563(94,95)	593(61)
993(62)	278(63)	426(74)	527(71,93)	564(71)	

The summary of all HYDROBACS 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.

#### **HYDROBAC WARNINGS issued from 251300Z March to 011200Z April 2004.**

543/04 and 544/04. CANCELED.

545/04(74). AUSTRALIA-NORTHWEST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY  
M/V VERITAS VIKING II TOWING FOUR MILE LONG CABLE  
IN AREA BETWEEN 19-20S 19-55S AND 113-40E 114-30E.  
WIDE BERTH REQUESTED.

(261040Z MAR 2004)

546/04 and 547/04. CANCELED.

548/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 14 APR BY  
M/V RAMFORM CHALLENGER IN AREA BOUND BY  
19-32N 072-30E, 19-19N 072-30E,  
19-21N 071-57E, 19-32N 071-57E.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROBAC 547/04(74), VESSEL ASSISTED.
3. CANCEL HYDROBAC 339/04.
4. CANCEL THIS MSG 15 APR.

(261339Z MAR 2004)

549/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z DAILY  
31 MAR AND 01 APR WITHIN 75 MILES  
OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 021800Z APR.

(261425Z MAR 2004)

550/04 and 551/04. CANCELED.

552/04(76). NEW ZEALAND. NORTH ISLAND-EAST COAST.

CHART 76054 (5TH ED).  
SLIPPER ISLAND LIGHT 37-03S 175-57E UNLIT.

(270017Z MAR 2004)

553/04. CANCELED.

554/04(29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 26 MAR:
  - A. A-22A, 23 MILES BY 32 MILES IN 76-24S 052-18W.
  - B. A-23A, 32 MILES BY 34 MILES IN 76-06S 041-36W.
  - C. A-27, THREE MILES BY 14 MILES IN 75-54S 042-54W.
  - D. A-43A, 14 MILES BY 35 MILES IN 64-18S 054-30W.
  - E. A-43E, TEN MILES BY 14 MILES 66-30S 059-12W.
  - F. A-43F, 22 MILES BY 44 MILES 66-18S 060-00W.
  - G. A-52, EIGHT MILES BY 22 MILES 64-54S 057-54W.
2. CANCEL HYDROBAC 526/04.
3. CANCEL THIS MSG 03 APR.

(270238Z MAR 2004)

## SECTION III

555/04(76). NEW ZEALAND-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V POLAR DUKE TOWING 6000 METER LONG CABLE  
IN AREA BOUND BY  
47-08S 168-50E, 47-08S 170-00E,  
48-16S 170-30E, 48-17S 169-00E,  
47-50S 167-55E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 344/04.

(270304Z MAR 2004)

556/04(GEN).

1. HYDROPAC MESSAGES IN FORCE 271100Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 302(62), 307(61), 308(61), 316(61), 317(95,96), 320(97), 329(71), 331(61), 351(71), 352(63), 356(94,95), 357(94,95), 358(94,95), 359(61), 365(63), 368(63), 369(95), 370(95), 371(94,95), 380(74,82), 387(22), 394(83), 402(62), 403(62), 408(63), 426(74), 438(93), 453(61), 455(73), 457(95,96), 458(63), 459(63), 460(94), 464(63), 465(63), 466(63), 477(81), 485(81), 487(76), 492(61), 493(63), 494(61), 495(61), 501(61), 509(63), 519(63), 520(74), 522(61), 523(63), 527(71,93), 530(61), 532(83), 534(29), 537(76), 538(74), 542(63), 545(74), 548(63), 549(63), 552(76), 554(29), 555(76).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROPAC 238/04, 270/04, 386/04, 389/04, 510/04, 529/04, 531/04, 539/04, 540/04, 543/04, 546/04.

(271120Z MAR 2004)

557/04. CANCELED.

558/04(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY  
01 THRU 03, 06 THRU 10, 12 THRU 17,  
19 THRU 24 AND 26 THRU 30 APR  
IN AREA BETWEEN  
36-05N 36-35N AND 124-50E 125-42E.
2. CANCEL THIS MSG 301400Z APR.

(271350Z MAR 2004)

559/04(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY  
01 THRU 03, 06 THRU 10, 12 THRU 17,  
19 THRU 24 AND 26 THRU 30 APR  
IN AREA BOUND BY  
36-35N 125-36.0E, 36-35N 124-50.0E,  
37-06.0N 124-50.0E, 37-10.2N 125-36.0E.
2. CANCEL THIS MSG 301400Z APR.

(271410Z MAR 2004)

560/04(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY  
01 THRU 03, 06 THRU 10, 12 THRU 17,  
19 THRU 24 AND 26 THRU 30 APR  
IN AREA BOUND BY  
38-25N 128-45E, 38-25N 129-30E,  
38-10N 129-30E, 38-10N 129-00E,  
38-17N 129-00E, 38-17N 128-45E.
2. CANCEL THIS MSG 301400Z APR.

(271503Z MAR 2004)

561/04(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY  
01 THRU 03, 06 THRU 10, 12 THRU 17,  
19 THRU 24 AND 26 THRU 30 APR  
IN AREA BOUND BY  
38-08N 129-51E, 38-08N 130-10E,  
37-39N 130-10E, 37-42N 129-51E.
2. CANCEL THIS MSG 301400Z APR.

(271515Z MAR 2004)

562/04(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY  
01 THRU 03, 06 THRU 10, 12 THRU 17,  
19 THRU 24 AND 26 THRU 30 APR  
IN AREA BETWEEN  
34-50N 35-15N AND 124-50E 125-42E.
2. CANCEL THIS MSG 301400Z APR.

(271525Z MAR 2004)

## SECTION III

563/04(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY  
01 THRU 03, 06 THRU 10, 12 THRU 17,  
19 THRU 24 AND 26 THRU 30 APR  
IN AREA BETWEEN  
35-35N 36-00N AND 125-00E 125-30E.
2. CANCEL THIS MSG 301400Z APR.

(271542Z MAR 2004)

564/04(71). STRAIT OF MALACCA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1601Z DAILY  
01 THRU 03, 05 THRU 10, 12 THRU 17,  
19 THRU 24 AND 26 THRU 30 APR IN  
AREA BOUND BY 04-14N 100-17E,  
04-33N 099-48E, 04-53N 100-06E.
2. CANCEL THIS MSG 301701Z APR.

(271550Z MAR 2004)

565/04 thru 569/04. CANCELED.

570/04(76). NEW ZEALAND. NORTH ISLAND-WEST COAST.

SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V OCEAN ENDEAVOUR TOWING ONE MILE LONG CABLE  
VICINITY 39-14S 173-10E. TWO MILE BERTH REQUESTED.

(282330Z MAR 2004)

571/04. CANCELED.

572/04(83). FIJI ISLANDS.

CHART 83570 (2ND ED), 83590 (1ST ED).

1. LIGHTS UNLIT:  
A. MBATIKI ISLAND LIGHT 17-46S 179-08E.  
B. THAKAU MOMO LIGHT 17-39S 179-16E.  
C. CAPE WASHINGTON LIGHT 19-07S 177-58E.  
D. NORTH ASTROLABE REEF LIGHT 18-38S 178-32E.
2. CANCEL HYDROPAC 532/04.

(290940Z MAR 2004)

573/04(74). AUSTRALIA-NORTHWEST COAST.

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

(291120Z MAR 2004)

574/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY 01 THRU 07 APR  
IN AREA BETWEEN 15-13N 15-11N AND 073-57E 073-52E.
2. CANCEL THIS MSG 071330Z APR.

(291210Z MAR 2004)

575/04. CANCELED.

576/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY  
02 AND 06 APR IN AREA BOUND BY  
09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 061630Z APR.

(291240Z MAR 2004)

577/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 30 UNUSABLE 011315Z TO 020115Z APR.
2. CANCEL THIS MSG 020215Z APR.

(291410Z MAR 2004)

578/04 and 579/04. CANCELED.

580/04(74). AUSTRALIA-NORTHEAST COAST.

CHART 74281 (7TH ED).  
RACON AT PIPER REEF LIGHT 12-15.2S 143-14.8E INOPERATIVE.

(300032Z MAR 2004)

581/04(74). INDIAN OCEAN.

MAN OVERBOARD FROM F/V ELIPSE XI IN 23-35.05S 096-39.20E  
AT 300425Z MAR. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO RCC AUSTRALIA, TELEX: 7162025,  
PHONE: 612 6230 6811, FAX: 612 6230 6868.

(300825Z MAR 2004)

582/04. CANCELED.

583/04(61,63). INDIAN OCEAN.

F/V LA FYERTE, GREEN HULL, THREE PERSONS ON BOARD, OVERDUE. LAST KNOWN POSITION 04-56S 054-54E ON 20 MAR. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO SEYCHELLES RADIO, TELEX: 9652262, PHONE: 248 375 733.

(301957Z MAR 2004)

584/04(83). SOUTH PACIFIC.

1. PYROTECHNICS EXERCISES 012200Z TO 012300Z APR IN AREA BOUND BY 16-50S 149-54W, 16-40S 150-05W, 16-33S 149-35W, 16-42S 149-35W.
2. CANCEL THIS MSG 012359Z APR.

(302150Z MAR 2004)

585/04 and 586/04. CANCELED.

587/04(63,71). ANDAMAN SEA.

M/V MAYANG SARI, 11 PERSONS ON BOARD, SINKING AND CREW ABANDONING SHIP IN 07-42-00N 094-25-28E AT 310130Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC PORT BLAIR, PHONE: 319 223 2681, FAX: 319 223 5612.

(311110Z MAR 2004)

588/04(63). INDIA-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 APR BY M/V TEKNIK KEMBARA TOWING 1500 METER AND 4000 METER LONG CABLES IN AREA BOUND BY 15-58.8N 081-36.9E, 16-00.6N 081-39.8E, 15-57.8N 081-41.6E, 15-56.1N 081-38.8E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 458/04
3. CANCEL THIS MSG 21 APR.

(311150Z MAR 2004)

589/04(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 11-47.4N 133-14.3E AT 311119Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO U.S. COAST GUARD GUAM.

(311210Z MAR 2004)

590/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 021030Z TO 021230Z APR WITHIN 13 MILES OF 22-28.7N 069-04.0E.
2. CANCEL THIS MSG 021330Z APR.

(311220Z MAR 2004)

591/04. CANCELED.

592/04(61). INDIAN OCEAN. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS IN PROGRESS UNTIL 302359Z APR IN AREA BETWEEN 09-00S 13-00S AND 070-00E 073-00E.
2. CANCEL THIS MSG 010059Z MAY.

(010610Z APR 2004)

593/04(61). INDIAN OCEAN. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL 302359Z JUN:
  - A. IN AREA BETWEEN 09-00S 13-00S AND 070-00E 073-00E.
  - B. WITHIN 60 MILES OF 04-30S 075-30E.
2. CANCEL THIS MSG 010059Z JUL.

(010620Z APR 2004)

594/04. CANCELED.

## **SECTION III**

**NM 16/04**

### **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 1 April 2004: 00-7, 01-7, 02-2, 02-5, 02-7, 03-4 and 04-1.

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

**MARINE INFORMATION****CABO FINISTERRE NEW AND AMENDED TRAFFIC SEPARATION SCHEMES**

The following new and amended IMO traffic separation schemes will come into effect at 0001 GMT 1 June, 2004.

Description of the traffic separation scheme west of Cabo Finisterre (WGS 84 Datum).

The direction of navigation will be:

a southbound hazardous traffic lane, 208°(T) 13.8 miles, thence southbound 180°(T) to the southern limit of the scheme.

a southbound non-hazardous traffic lane, 208°(T) 12 miles, thence southbound 180°(T) to the southern limit of the scheme.

a northbound hazardous traffic lane, 000°(T) 20.8 miles, thence northeastward 028°(T) to the northeastern limit of the scheme.

a northbound non-hazardous traffic lane, 000°(T) 18 miles, thence northeastward 028°(T) to the northeastern limit of the scheme.

A separation zone bound by the following positions:

42° 52.9' N 009° 59.0' W

43° 14.7' N 009° 59.0' W

43° 26.4' N 009° 50.0' W

43° 28.2' N 009° 56.0' W

43° 16.4' N 010° 04.3' W

42° 52.9' N 010° 04.3' W

A traffic lane for southbound hazardous traffic between the separation zone and a line connecting the following positions:

43° 30.0' N 010° 01.2' W

43° 17.7' N 010° 09.8' W

42° 52.9' N 010° 09.8' W

A traffic lane for southbound non-hazardous traffic between the separation zone and a line connecting the following positions:

43° 28.2' N 009° 56.0' W

43° 16.4' N 010° 04.3' W

42° 52.9' N 010° 04.3' W

A traffic lane for northbound hazardous traffic between the separation zone and a line connecting the following positions:

43° 25.0' N 009° 47.0' W

43° 13.7' N 009° 54.8' W

42° 52.9' N 009° 54.8' W

A traffic lane for northbound non-hazardous traffic between the separation zone and a line connecting the following positions:

43° 21.5' N 009° 37.7' W

43° 11.0' N 009° 45.2' W

42° 52.9' N 009° 45.2' W

Charts affected: 37034, 51011

**SECTION III****NEW EDITION OF SAILING DIRECTIONS**

Pub. 164, Sailing Directions (Enroute) New Guinea, Eighth Edition, 2003, is ready for issue. This publication has been corrected to 11 October 2003, including Notice to Mariners No. 41 of 2003.

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

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 x 105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>  
This week's new editions released by NOAA are listed below.

531	22 <sup>nd</sup> Ed. Mar 2004 NEW EDITION GULF OF ALASKA-STRAIT OF JUAN DE FUCA TO KODIAK ISLAND (New edition due to changes in hydrography.)	NAD 83	(NOS Silver Spring, MD) 1:2,100,000/LORAN-C
11372	31 <sup>st</sup> Ed. Mar 2004 NEW EDITION MS-LA-IWW-DOG KEYS PASS TO WAVELAND (New edition due to numerous Notice to Mariner changes and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:40,000
11385	26 <sup>th</sup> Ed. Mar 2004 NEW EDITION FL-IWW-WEST BAY TO SANTA ROSA SOUND (New edition due to numerous Notice to Mariner changes and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:40,000
13224	37 <sup>th</sup> Ed. Mar 2004 NEW EDITION RI-PROVIDENCE RIVER AND HEAD OF NARRAGANSETT BAY (New edition due to various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:20,000
14791	18 <sup>th</sup> Ed. Mar 2004 NEW EDITION NY-NEW YORK STATE CANAL SYSTEM-CAYUGA AND SENECA LAKES INSETS: Seneca Lake Cayuga Lake (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:25,000 1:10,000 1:10,000
16204	6 <sup>th</sup> Ed. Mar 2004 NEW EDITION AK-WEST COAST – PORT CLARENCE AND APPROACHES (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:100,000/LORAN-C
16322	8th Ed. Mar 2004 NEW EDITION AK-BRISTOL BAY-NUSHAGAK AND APPROACHES (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:100,000/LORAN-C
16553	4 <sup>th</sup> Ed. Mar 2004 NEW EDITION AK-ALASKA PENINSULA-SHUMAGIN ISLANDS- NAGAI ISLAND TO UNGA ISLAND INSETS: Popo Strait-Northern Part Delarof Harbor (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C 1:20,000 1:20,000

**SECTION III**

**NM 16/04**

17424 7<sup>th</sup> Ed. Mar 2004 NEW EDITION                    NAD 83                    (NOS Silver Spring, MD)  
AK-SOUTHEAST COAST-EASTERN PART OF BEHM CANAL1:80,000  
(New edition due to change in format.)

## 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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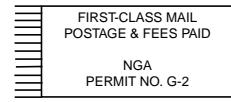
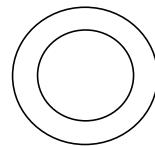
www.nature.com/scientificreports/

User Feedback (continue on additional sheets as necessary)



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

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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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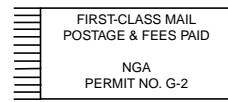
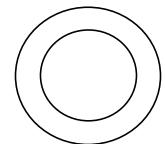
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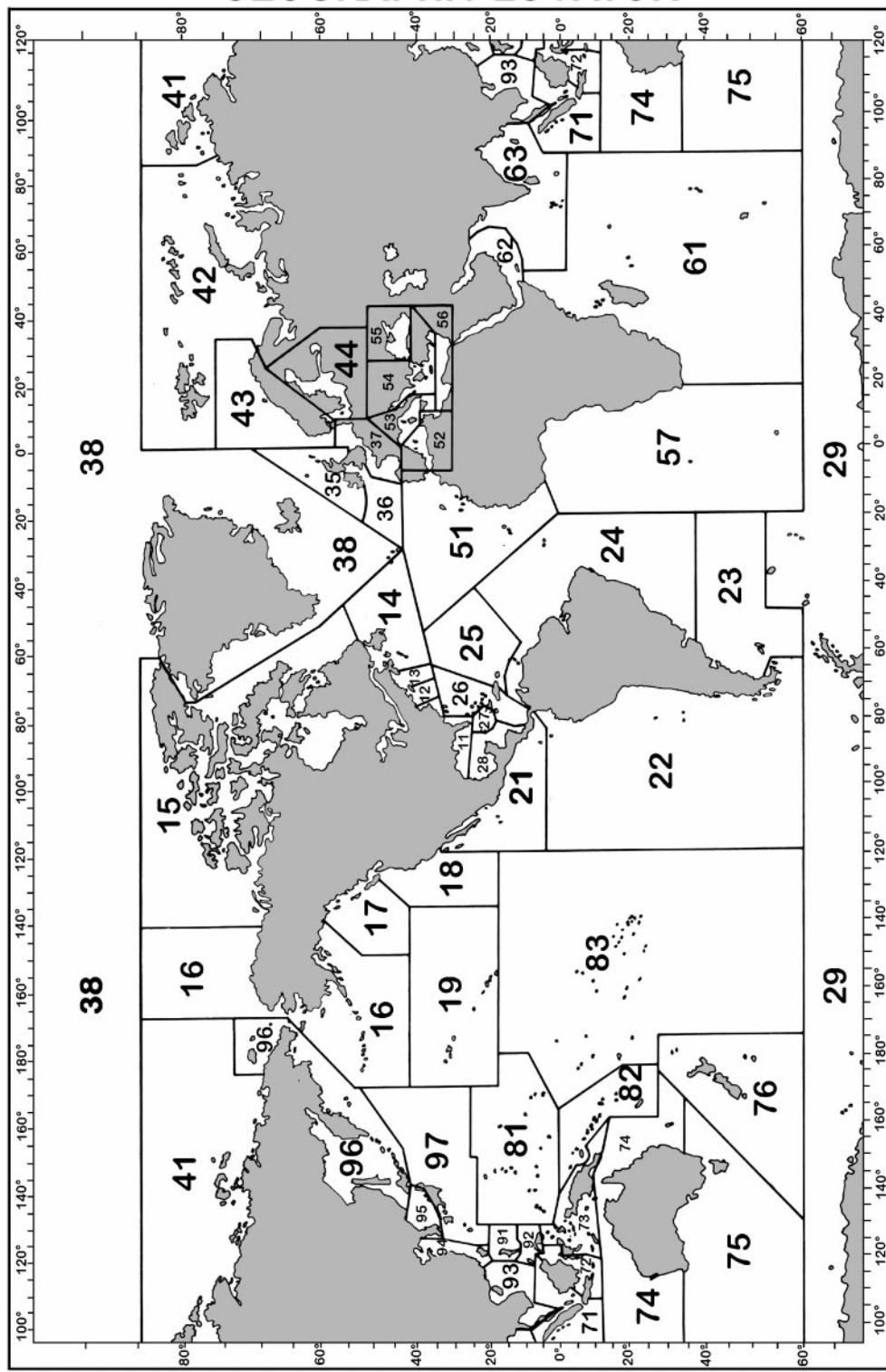
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## GEOGRAPHIC LOCATOR



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

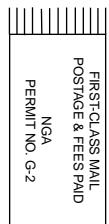
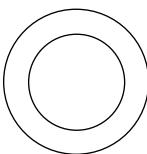
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT  
NAVIGATIONAL INFORMATION  
TIME-DATED**



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**