



No. 5

31 JANUARY 2004



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Geospatial-Intelligence Agency

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

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



NSN 7642015139782  
NGA REF.NO. NMXXX0405

## IMPORTANT INFORMATION

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

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

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

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

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

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

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

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

NM 5/04

# HYDROGRAM

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

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

**31 January 2004**

## **NEW EDITION OF COAST PILOT**

U.S. COAST PILOT 2, ATLANTIC COAST: CAPE COD, MA TO SANDY HOOK, NJ, THIRTY-THIRD EDITION, 2004, IS READY FOR ISSUE. SEE SECTIONS II AND III.

## **RADIOTELEPHONE SERVICE ON FREQUENCY 2182.0 KHZ**

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

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

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

## EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

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

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

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

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

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

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

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

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

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

**SECTION I  
CHART CORRECTIONS**

**NM 5/04**

<b>411</b>	49Ed. 3/03 LAST NM 1/04 Delete Light (46/03 CG5)	5/04 33°30'N 77°36'W	Platform [L10] Dashed-line circle "Obstn Fish Haven (cov 14fms)" marked by buoy Y (Priv)	29°08.3'N 93°31.3'W
<b>1115A</b>	Ed. 10/02 LAST NM 3/04 Change Legend to "Obstn Fish Haven (auth min 8 1/4fms)"	5/04 30°01.5'N 88°30.8'W	Danger circle "Obstn" [K40] (PA) (46, 47/03 CG8)	28°19.8'N 91°55.1'W
	Add Buoy Y (Priv) (46/03 CG8)	30°01.1'N 88°31.0'W		29°20.0'N 91°48.0'W
<b>1116A</b>	Ed. 6/03 LAST NM 4/04 Substitute Platform [L10] for submerged well (cov 20fms) and buoy (Supersedes 2/04-1116A)	5/04 28°29.1'N 93°16.3'W		
	Add Platform [L10] Platform [L10]	28°46.7'N 93°20.3'W 29°08.3'N 93°31.3'W		
	Dashed-line circle "Obstn Fish Haven (cov 14fms)" marked by buoy Y (Priv)	28°19.8'N 91°55.1'W		
	Danger circle "Obstn" [K40] (PA) (46, 47/03 CG8)	29°20.0'N 91°48.0'W		
<b>1117A</b>	Ed. 4/03 LAST NM 51/03 Add Platform [L10] Dangerous wreck [K28] (PA) (46, 47/03 CG8)	5/04 26°44.5'N 96°54.6'W 26°48.3'N 97°16.3'W		
<b>11004</b>	7Ed. 10/29/94 LAST NM 4/04 Add Platform [L10]	5/04 26°44.5'N 96°54.6'W	Depth 25.5 meters enclosed by dashed-line circle "Fish Haven"	28°19.8'N 91°55.1'W
	(46, 47/03 CG8)			
<b>11006</b>	31Ed. 9/03 LAST NM 3/04 Change Legend to "Obstn Fish Haven (auth min 8 1/4fms)"	5/04 29°57.7'N 88°28.0'W		
<b>11009</b>	36Ed. 10/20/01 LAST NM 52/03 Delete Light (46/03 CG5)	5/04 33°29.1'N 77°35.9'W		
<b>★11300</b>	39Ed. 4/03 LAST NM 51/03 Add Platform [L10] Dangerous wreck [K28] (PA) (46, 47/03 CG8)	5/04 26°44.5'N 96°54.6'W 26°48.3'N 97°16.3'W		
<b>★11304</b>	12Ed. 5/9/92 LAST NM 10/02 Add Dangerous wreck [K28] (PA) (47/03 CG8)	5/04 26°48'18"N 97°16'18"W		
<b>★11323</b>	60Ed. 9/03 LAST NM 3/04 Add Platform [L10] (46/03 CG8)	5/04 29°03'03"N 94°43'57"W		
<b>★11330</b>	15Ed. 10/03 LAST NM 4/04 Substitute Platform [L10] for submerged well (cov 120ft) and buoy (Supersedes 2/04-11330)	5/04 28°29.1'N 93°16.3'W		
	Add Platform [L10] Platform [L10] (46, 47/03 CG8)	28°46.7'N 93°20.3'W 29°08.3'N 93°31.3'W		
<b>★11332</b>	28Ed. 8/02 LAST NM 4/04 Add Platform [L10] (47/03 CG8)	5/04 29°27'22"N 93°53'32"W		
<b>★11340</b>	68Ed. 6/03 LAST NM 4/04 Substitute Platform [L10] for submerged well (cov 20fms) and buoy (Supersedes 2/04-11340)	5/04 28°29.1'N 93°16.3'W		
	Add Platform [L10]	28°46.7'N 93°20.3'W		
<b>11341</b>	39Ed. 2/03 LAST NM 4/04 Add Platform [L10] (47/03 CG8)	5/04 29°27'22"N 93°53'32"W		
<b>★11344</b>	35Ed. 12/02 LAST NM 4/04 Add Platform [L10] (47/03 CG8)	5/04 29°27'02"N 92°55'09"W		
<b>★11351</b>	38Ed. 3/03 LAST NM 3/04 Add Danger circle "Obstn" [K40] (PA) Platform [L10] (46, 47/03 CG8)	5/04 29°20'00"N 91°48'00"W 29°14'34"N 91°47'57"W		
<b>★11353</b>	2Ed. 3/16/02 LAST NM 1/04 Add Position circle [L20] "Well" (awash) (PA) (46/03 CG8)	5/04 29°25'19.2"N 89°11'52.8"W		
<b>★11357</b>	36Ed. 7/03 LAST NM 3/04 Add Platform [L10] Platform [L10] Platform [L10] (46, 47/03 CG8)	5/04 28°58'53"N 90°11'22"W 28°57'42"N 90°21'25"W 28°50'42"N 90°41'38"W		
<b>11358</b>	52Ed. 6/03 LAST NM 3/04 Add Platform [L10] (46/03 CG8)	5/04 28°58'53"N 90°11'22"W		
<b>11360</b>	40Ed. 10/02 LAST NM 3/04 Change Legend to "Obstn Fish Haven (auth min 8 1/4fms)"	5/04 30°01.5'N 88°30.8'W		
	Add Buoy Y (Priv) (46/03 CG8)	30°01.1'N 88°31.0'W		
<b>11362</b>	4Ed. 6/10/00 LAST NM N3/04 Change Legend to "Obstn Fish Haven (auth min 8fms 2ft)" at obstruction in vicinity	N5/04 30°01.6'N 88°30.8'W		
	Add Buoy Y (Priv) (46/03 CG8)	30°01.1'N 88°31.0'W		
<b>11363</b>	39Ed. 9/03 LAST NM 4/04 Add Position circle [L20] "Well" (awash) (PA) (46/03 CG8)	5/04 29°25'19"N 89°11'53"W		
<b>11366</b>	8Ed. 10/03 LAST NM 3/04 Change Legend to "Obstn Fish Haven (auth min 8fms 2ft)"	5/04 30°01.5'N 88°30.8'W		
	Add Buoy Y (Priv)	30°01.1'N 88°31.0'W		
	Position circle [L20] "Well" (awash) (PA)	29°25.3'N 89°11.9'W		
	(46/03 CG8)			
<b>★11373</b>	43Ed. 9/03 LAST NM 4/04 Change Legend to "Obstn Fish Haven (auth min depth 50ft)"	5/04 30°01'51"N 88°31'11"W		
	Add Buoy Y (Priv) (46/03 CG8)	30°01'08"N 88°30'59"W		
<b>★11376</b>	49Ed. 9/03 LAST NM 49/03 Change Visibility (range) of light "A" to 5M (46/03 CG8)	5/04 30°31'32"N 88°02'05"W		

## SECTION I

★11467	38Ed. 10/03 NEW EDITION <b>(Side A)</b>	5/04	26°15'33"N 80°04'51"W	14213	Ed. 9/29/00 LAST NM N39/03 Delete Legend "Public" (11(1314)03 Ottawa)	N5/04 46°39'04.8"N 71°55'22.9"W
Change	Light to Fl 20s 136ft 28M (NOS; USCG LL)					
11496	9Ed. 8/22/98 LAST NM N34/03 Substitute Platform [L10] for light	N5/04 33°29.1'N 77°35.4'W		14216	Ed. 8/17/01 LAST NM N44/03 Delete Light	N5/04 47°04'09.1"N 70°30'54.0"W
Add	Buoy "16" R, Fl R 6s (46/03 CG5)	33°28.7'N 77°35.0'W		Change	Visibility (range) of light to 12M 46°59'08.1"N 70°33'05.7"W	
11520	41Ed. 7/03 LAST NM 2/04 Substitute Platform [L10] for light	5/04 33°29.1'N 77°35.4'W		Visibility (range) of light to 12M 46°59'11.1"N 70°33'06.5"W		
Add	Buoy "16" R, Fl R 6s (46/03 CG5)	33°28.7'N 77°35.0'W		Add	Buoy "CBJ" YB, spar, double cone topmark points downward, Q(6) + L Fl 15s 47°04'08.2"N 70°30'52.9"W	
11525	6Ed. 9/23/00 LAST NM N2/04 Substitute Platform [L10] for light	N5/04 33°29.1'N 77°35.4'W		(11(1317)03 Ottawa)		
Add	Buoy "16" R, Fl R 6s (46/03 CG5)	33°28.7'N 77°35.0'W				
★11536	16Ed. 8/1/03 LAST NM 2/04 Delete Light	5/04 33°29'08"N 77°35'26"W		14229	Ed. 9/10/99 LAST NM N39/03 Change Legend "18" to "18.3" (11(1202)03 Ottawa)	N5/04 48°22'33.0"N 70°42'30.0"W
Add	Buoy "16" R, Fl R 6s Platform [L10] (46/03 CG5)	33°28'43"N 77°35'00"W 33°29'06"N 77°35'24"W				
★12204	35Ed. 1/03 LAST NM 33/03 Relocate Buoy "OI" from 35°47'32"N 75°29'48"W to (See 33/03-12204) (46/03 CG5)	5/04 35°47'38"N 75°29'54"W		14247	Ed. 12/14/84 LAST NM N39/03 Delete Light Light Depth 5 meters	N5/04 48°26'59.5"N 70°59'05.0"W 48°27'01.6"N 70°59'15.2"W 48°25'39.0"N 70°53'10.0"W
12205	28Ed. 8/03 LAST NM 50/03 <b>(Page C)</b> Relocate Buoy "OI" from 35°47'32"N 75°29'48"W to (46/03 CG5)	5/04 35°47'38"N 75°29'54"W		Add	Depth 19 meters (11(1209)03 Ottawa)	48°26'03.0"N 70°53'00.0"W
★12304	43Ed. 3/03 LAST NM 2/04 Delete Buoy "WR" Buoy "6" Buoy "8" (45/03 CG5)	5/04 39°12'34"N 75°15'17"W 39°15'23"N 75°15'21"W 39°17'23"N 75°18'41"W		14249	Ed. 1/12/01 LAST NM N39/03 Add Danger circle [K40] "Obstn (Marine farm)" Danger circle [K40] "Obstn (Marine farm)"	N5/04 50°15'23.1"N 63°44'01.1"W 50°13'03.8"N 63°44'18.1"W 50°09'34.3"N 63°44'40.4"W 50°10'59.0"N 63°34'36.3"W
13264	103Ed. 1/7/95 LAST NM 49/03 Add Wreck [K29] (11(4011)03 Ottawa)	5/04 43°00.2'N 66°02.0'W		(11(4429)03 Ottawa)		
★13324	14Ed. 11/03 NEW EDITION (NOS)	5/04		14349	7Ed. 2/10/96 LAST NM 47/03 Add "Marine Nature Reserve" area [N22] bound by purple composite line and shore joining	5/04 46°50'14"N 54°11'20"W 46°50'20"N 54°15'57"W 46°49'53"N 54°15'56"W 46°49'24"N 54°15'50"W 46°48'39"N 54°15'29"W 46°48'00"N 54°14'55"W 46°47'30"N 54°14'19"W 46°47'10"N 54°13'45"W 46°46'48"N 54°13'02"W 46°46'48"N 54°07'55"W 46°48'31"N 54°07'49"W
14062	17Ed. 5/20/95 LAST NM 1/04 Delete Buoy "ODAS" (Supersedes 1/04-14062) (11(4011)03 Ottawa)	5/04 43°37.5'N 66°32.2'W		(11(4841)03 Ottawa)		
14066	19Ed. 12/24/94 LAST NM 47/03 Add Dangerous wreck [K28] (11(4240)03 Ottawa)	5/04 43°38.1'N 65°09.1'W		14358	Ed. 10/2/87 LAST NM N1/04 <b>(Plan Fortune Harbour)</b> Add Buoy "VF2" R, spar, Fl R 4s Buoy "VF4" R, spar, Fl R 4s (See N45/92-14358) (11(4832)03 Ottawa)	N5/04 47°04.36'N 55°49.86'W 47°04.41'N 55°49.86'W
14088	10Ed. 8/3/02 LAST NM 34/03 Add Submarine pipeline (water) [L41.1] between 44°41'02.0"N 63°37'04.0"W 44°41'01.8"N 63°36'48.9"W Submarine pipeline (water) [L41.1] joining 44°40'54.0"N 63°36'56.4"W 44°40'59.5"N 63°36'52.8"W 44°41'01.0"N 63°36'48.9"W (11(4201)03 Ottawa)	5/04 48°37'12.1"N 64°12'00.0"W		14360	36Ed. 3/25/95 LAST NM 4/04 Add "Marine Nature Reserve" area [N22] bound by purple composite line and shore joining	5/04 46°50.2'N 54°11.3'W 46°50.3'N 54°15.0'W 46°48.3'N 54°15.0'W 46°47.5'N 54°14.3'W 46°46.8'N 54°13.0'W 46°46.8'N 54°07.9'W 46°48.5'N 54°07.8'W
14178	Ed. 9/1/97 LAST NM N40/03 Add Light Fl G 6s 9m 6M (2(4921)03 Ottawa)	N5/04 48°37'12.1"N 64°12'00.0"W		Note: Area extends beyond chart border (11(4841)03 Ottawa)		
★14824	26Ed. 10/03 NEW EDITION (NOS)	5/04				

## SECTION I

NM 5/04

<b>★14837</b>	27Ed.	4/13/02 LAST NM 3/03 Delete Legend "23 FT AUG 2002"	5/04 41°46'09.2"N 81°16'47.2"W	Depth 18 feet (NOS; 37/03 CG9)	42°46'21.3"N 86°12'50.2"W
	Substitute	Depth 18 feet for 19 feet	41°45'44.1"N 81°16'46.5"W		
Change	Legend to "7½ FT APR 2003" Legend to "17 FT APR 2003" Legend to "16 FT APR 2003" Legend to "20 FT APR 2003" Legend to "20 FT APR 2003"	41°44'38.2"N 81°16'52.0"W 41°44'52.4"N 81°16'53.3"W 41°44'51.3"N 81°16'57.2"W 41°45'26.8"N 81°16'48.7"W 41°45'54.1"N 81°16'48.2"W			
Add	Depth 14 feet Depth 19 feet Depth 19 feet Depth 12 feet Depth 18 feet Depth 28 feet Depth 23 feet Depth 26 feet Depth 27 feet Depth 25 feet Depth 26 feet Depth 27 feet Depth 27 feet Depth 26 feet Depth 26 feet Depth 24 feet Depth 26 feet Depth 18 feet Depth 24 feet Depth 22 feet (NOS)	41°44'48.2"N 81°16'57.0"W 41°45'45.6"N 81°16'44.8"W 41°45'44.8"N 81°16'45.8"W 41°46'00.3"N 81°16'52.9"W 41°46'02.3"N 81°16'51.6"W 41°46'05.1"N 81°16'46.3"W 41°46'06.5"N 81°16'44.7"W 41°46'06.5"N 81°16'50.1"W 41°46'07.2"N 81°16'47.2"W 41°46'07.9"N 81°16'45.2"W 41°46'08.1"N 81°16'50.2"W 41°46'08.4"N 81°16'47.3"W 41°46'10.0"N 81°16'46.0"W 41°46'10.0"N 81°16'49.7"W 41°46'11.4"N 81°16'44.2"W 41°46'11.4"N 81°16'48.0"W 41°46'12.1"N 81°16'51.9"W 41°46'13.4"N 81°16'47.2"W 41°46'14.2"N 81°16'50.0"W (NOS)			
<b>★14839</b>	36Ed.	12/02 LAST NM 51/03 Change Legend to "17 FEET MAY 2003"	5/04 41°28'38.2"N 81°40'15.2"W (NOS)		
<b>★14844</b>	31Ed.	1/6/01 LAST NM 51/03 Change Characteristic of light to FG (USCG LL)	5/04 41°33'15"N 82°51'24"W		
<b>★14846</b>	11Ed.	3/17/01 LAST NM 47/03 <b>(Page 16)</b>	5/04		
	Substitute	Depth 16 feet for 19 feet Depth 17 feet for 21 feet Depth 18 feet for 22 feet	41°54'02.2"N 83°21'37.8"W 41°53'34.3"N 83°20'17.9"W 41°53'32.7"N 83°20'12.0"W		
Add	Depth 19 feet Depth 18 feet (NOS)	41°53'58.0"N 83°21'11.5"W 41°53'30.3"N 83°21'01.1"W			
<b>★14922</b>	19Ed.	3/23/02 LAST NM 9/03 <b>(Inset Manitowoc)</b>	5/04		
Change	Legend to "14 FT MAY 2003" Legend to "11 FT MAY 2003" Legend to "17 FT MAY 2003" Legend to "16 FT MAY 2003" (See 9/03-14922)	44°05'32"N 87°38'49"W 44°05'37"N 87°38'56"W 44°05'31"N 87°39'18"W 44°06'00"N 87°39'49"W			
Add	Depth 13 feet Depth 15 feet (NOS)	44°05'32.4"N 87°39'08.5"W 44°05'32.3"N 87°39'11.1"W <b>(Inset Sheboygan)</b>			
Change	Legend to "14 FT MAY 2003" Legend to "14 FT MAY 2003"	43°44'57"N 87°41'53"W 43°45'02"N 87°41'52"W (NOS)			
<b>★14932</b>	23Ed.	4/03 LAST NM 1/04 Substitute Depth 11 feet for 15 feet	5/04 42°46'24.2"N 86°12'47.3"W		
Change	Period of buoy "1" to 2.5s Period of buoy "6" to 6s Period of buoy "10" to 2.5s Period of buoy "16" to 2.5s Legend to "15½ FT OCT 2003" Legend to "12½ FT JUN-OCT 2003" Legend to "21 FT MAY 2003" Legend to "19 FT OCT 2002-MAY 2003" Add Depth 15 feet	42°46'18.3"N 86°12'03.9"W 42°46'43.1"N 86°09'53.6"W 42°46'39.2"N 86°09'02.0"W 42°47'21.9"N 86°07'25.1"W 42°47'31.8"N 86°07'08.5"W 42°47'30.2"N 86°07'06.2"W 42°46'23.0"N 86°12'57.5"W 42°46'18.5"N 86°12'15.5"W 42°46'21.3"N 86°12'47.4"W			
<b>★14974</b>	24Ed.	5/18/96 LAST NM 32/02 Change Legend to "18½ FT FOR WIDTH OF 400-750 FT OCT 2003"	5/04 (NOS)	Depth 18 feet (NOS; 37/03 CG9)	42°46'21.3"N 86°12'50.2"W 46°35'50"N 90°53'42"W
<b>★16087</b>	7Ed.	10/03 NEW EDITION (NOS)	5/04		
<b>★16206</b>	7Ed.	1/17/98 LAST NM 46/03 <b>(Inset Nome Harbor)</b>	5/04		
Change	Legend to "7 FEET AUG 2003" (See 46/03-16206)				64°29'51.4"N 165°24'52.5"W
(NOS)					
<b>★16478</b>	10Ed.	11/03 NEW EDITION (NOS)	5/04		
<b>★16707</b>	10Ed.	9/29/01 LAST NM 20/03 <b>(Inset Valdez..Terminal)</b>	5/04		
Change	Legend to "11 FT JUN 2003"				61°07'31.5"N 146°20'45.8"W
(NOS)					
<b>★17323</b>	10Ed.	7/10/93 LAST NM 39/03 Substitute Depth 0 fathom 4 feet for 1 fathom 2 feet	5/04 (NOS)		
					57°19'14"N 135°38'32"W
<b>★17324</b>	13Ed.	3/25/89 LAST NM 39/03 Substitute Depth 0 fathom 4 feet for 1 fathom 2 feet	5/04 (NOS)		
					57°19'14"N 135°38'32"W
Add	Depth 1 fathom Depth 2 fathoms				57°17'52"N 135°41'05"W 57°18'01"N 135°41'15"W
<b>18007</b>	31Ed.	3/31/01 LAST NM 4/04 Add Light Fl 12s 20M (Priv) (41/03 CG11)	5/04 41°50.2"N 124°22.5"W		
<b>18008</b>	7Ed.	10/12/96 LAST NM N4/04 Add Light Fl 12s 20M (Priv) to position circle "TR" (41/03 CG11)	N5/04 41°50.2"N 124°22.5"W		
<b>18010</b>	20Ed.	2/10/01 LAST NM 4/04 Add Light Fl 12s 20M (Priv) to position circle "TR" (41/03 CG11)	5/04 41°50.2"N 124°22.5"W		
<b>★18430</b>	8Ed.	10/03 NEW EDITION (NOS)	5/04		
<b>★18474</b>	8Ed.	10/03 NEW EDITION Change Period of buoy "SG" to 2.5s Buoy to "T" Y, Fl Y 2.5s (Previously published 51/03)	5/04 (NOS; 51/02, 26/03 CG13)		
					47°39'42"N 122°27'53"W 47°34'33"N 122°27'05"W
					Light to FY 14ft (Priv) 47°16'19"N 122°25'10"W
					Light to FY 7ft BELL (Priv) (PA) 47°17'06"N 122°24'39"W
					Obscured sector of light to 324°-045° 47°35'56"N 122°23'17"W
<b>★18521</b>	70Ed.	10/03 NEW EDITION Relocate Light "3" from 46°12'35"N 123°42'57"W to (Previously published 2/04)	5/04 (continued on next page)		

(continued on next page)

## SECTION I

<b>18521</b>	(Continued)		
	<b>(Inset)</b>		
Change	Visibility (range) of light "11" to 4M 46°16'48.5"N 124°02'25.2"W	5/04	Depth 23 feet for 37 feet 33°45'14.6"N 118°11'17.3"W Depth 22 feet for 26 feet 33°45'22.4"N 118°11'12.3"W Depth 38 feet for 41 feet 33°45'17.9"N 118°11'11.0"W Depth 41 feet for 45 feet 33°45'10.1"N 118°11'08.3"W Depth 17 feet for 13 feet 33°45'26.5"N 118°11'02.7"W Depth 41 feet for 49 feet 33°45'08.1"N 118°10'58.3"W Depth 39 feet for 45 feet 33°45'12.2"N 118°10'56.8"W
(Previously published 2/04)			
Add	Tabulation of controlling depths from Subsection I-2		Designation of buoy "12" to "10" 33°42'56"N 118°15'29"W
(NOS)			Designation of light "14" to "12" 33°43'19"N 118°16'03"W
<b>★18523</b>	54Ed. 10/03 NEW EDITION	5/04	Legend to "LEFT QUARTER 34 FT MIDDLE HALF 36 FT RIGHT QUARTER 30 FT FOR WIDTH OF 800-280 FT MAY 2003" 33°43'18"N 118°06'21"W
Delete	Position circle 46°15'45"N 123°30'57"W		Legend to "SECURITY ZONE 165.1151 (see note A)" 33°39'30"N 118°15'48"W
	Legend "DOLPHINS" 46°15'49"N 123°30'28"W		Legend to "SECURITY ZONE 165.1151 (see note A)" 33°41'37"N 118°13'26"W
	Position circle 46°15'48"N 123°30'13"W		Legend to "SECURITY ZONE 165.1151 (see note A)" 33°40'46"N 118°09'47"W
Add	Tabulation of controlling depths from Subsection I-2		
(NOS; 40/00 CG13)			
<b>18600</b>	14Ed. 1/26/02 LAST NM 47/03	5/04	Add Depth 11 feet 33°45'43.6"N 118°12'16.6"W Depth 2 feet 33°45'38.1"N 118°12'04.6"W Depth 12 feet 33°45'31.1"N 118°11'55.6"W
Add	Light Fl 12s 20M (Priv) to position circle "TR" 41°50.2'N 124°22.5'W		
(41/03 CG11)			
<b>★18603</b>	16Ed. 12/02 LAST NM 10/03	5/04	<b>(Inset)</b> Delete Depth 31 feet 33°44'08.7"N 118°05'52.3"W Depth 33 feet 33°44'06.1"N 118°05'47.0"W Depth 31 feet 33°44'00.6"N 118°05'22.4"W Depth 31 feet 33°43'59.6"N 118°05'20.6"W
Add	Light Fl 12s 20M (Priv) to position circle "TR" 41°50'14"N 124°22'32"W		
(41/03 CG11)			
<b>★18645</b>	24Ed. 7/1/00 LAST NM 38/03	5/04	Change Legend to "LEFT QUARTER 37 FT MIDDLE HALF 37 FT RIGHT QUARTER 36 FT FOR WIDTH OF 280-400 FT MAY 2003" 33°43'48"N 118°05'54"W
Delete	Legend "PILOT AREA"	37°46.6'N 122°40.7'W	
	Legend "PILOT AREA"	37°44.0'N 122°39.3'W	
Add	Legend "PILOT AREA"	37°46.0'N 122°41.6'W	Legend to "34 FT MAY 2003" 33°44'07"N 118°05'37"W
	Legend "PILOT AREA"	37°43.9'N 122°41.6'W	
(42/03 CG11)			
<b>18649</b>	63Ed. 9/03 LAST NM 2/04	5/04	Add Depth 31 feet 33°43'59.9"N 118°05'22.1"W Depth 29 feet 33°43'59.0"N 118°05'20.5"W
Delete	Legend "PILOT AREA"	37°44'56"N 122°39'39"W	
	Legend "PILOT AREA"	37°45'46"N 122°41'03"W	
(42/03 CG11)			
<b>18652</b>	32Ed. 7/03 LAST NM 49/03 <b>(Page C)</b>	5/04	<b>★18751</b> 42Ed. 12/1/01 LAST NM 50/03 Delete Depth 41 feet 33°45'15.9"N 118°11'05.1"W
Delete	Buoy (mooring) "B"	38°01'40"N 122°24'48"W	Substitute Depth 2 feet for 19 feet 33°45'38.1"N 118°12'04.6"W
	Buoy (mooring) "C"	38°01'40"N 122°24'35"W	Depth 16 feet for 17 feet 33°45'37.5"N 118°12'02.9"W
	Buoy (mooring) "D"	38°01'25"N 122°25'00"W	Depth 18 feet for 20 feet 33°45'34.6"N 118°11'56.3"W
	Buoy (mooring) "E"	38°01'25"N 122°24'48"W	Depth 12 feet for 15 feet 33°45'31.3"N 118°11'42.9"W
	Buoy (mooring) "F"	38°01'25"N 122°24'35"W	Depth 3 feet for 8 feet 33°45'28.5"N 118°11'41.2"W
(See 36, 46/03-18652)			Depth 6 feet for 8 feet 33°45'26.5"N 118°11'34.7"W
(41/03 CG11)			Depth 19 feet for 22 feet 33°45'36.2"N 118°11'33.8"W
<b>★18654</b>	42Ed. 4/6/02 LAST NM 48/03	5/04	Depth 5 feet for 7 feet 33°45'23.5"N 118°11'30.4"W
Delete	Buoy (mooring) "B"	38°01'40"N 122°24'48"W	Depth 14 feet for 17 feet 33°45'26.9"N 118°11'30.2"W
	Buoy (mooring) "C"	38°01'40"N 122°24'35"W	Depth 8 feet for 14 feet 33°45'25.1"N 118°11'29.7"W
	Buoy (mooring) "D"	38°01'25"N 122°25'00"W	Depth 25 feet for 31 feet 33°45'15.7"N 118°11'29.6"W
	Buoy (mooring) "E"	38°01'25"N 122°24'48"W	Depth 14 feet for 16 feet 33°45'26.8"N 118°11'27.7"W
	Buoy (mooring) "F"	38°01'25"N 122°24'35"W	Depth 18 feet for 19 feet 33°45'25.5"N 118°11'27.7"W
(See 35, 46/03-18654)			Depth 12 feet for 28 feet 33°45'16.8"N 118°11'27.5"W
(41/03 CG11)			Depth 6 feet for 10 feet 33°45'20.5"N 118°11'26.8"W
<b>18740</b>	40Ed. 8/03 LAST NM 1/04	5/04	Depth 29 feet for 35 feet 33°45'16.7"N 118°11'25.2"W
Change	Legend to "SECURITY ZONE 165.1151 (see note A)"	33°40.0'N 118°19.4'W	Depth 10 feet for 14 feet 33°45'18.9"N 118°11'24.7"W
(NOS)			Depth 21 feet for 26 feet 33°45'19.1"N 118°11'22.3"W
<b>18746</b>	34Ed. 12/1/01 LAST NM 49/03	5/04	Depth 30 feet for 35 feet 33°45'18.7"N 118°11'19.0"W
Change	Legend to "SECURITY ZONE 165.1151 (see note A)"	33°40'18"N 118°14'33"W	Depth 35 feet for 38 feet 33°45'17.7"N 118°11'15.9"W
Add	Buoy (mooring) [Q40] "CG"	33°21'03"N 118°19'24"W	Depth 34 feet for 37 feet 33°45'14.8"N 118°11'17.2"W
(NOS; 42/03 CG11)			Depth 18 feet for 28 feet 33°45'12.8"N 118°11'16.9"W
<b>★18749</b>	38Ed. 12/1/01 LAST NM 50/03	5/04	Depth 34 feet for 36 feet 33°45'14.6"N 118°11'13.5"W
Delete	Depth 14 feet	33°45'45.4"N 118°12'16.3"W	Depth 32 feet for 41 feet 33°45'10.1"N 118°11'13.3"W
	Depth 14 feet	33°45'31.2"N 118°11'57.9"W	Depth 22 feet for 26 feet 33°45'22.0"N 118°11'12.5"W
Substitute	Depth 5 feet for 8 feet	33°45'37.1"N 118°12'07.4"W	Depth 37 feet for 40 feet 33°45'13.0"N 118°11'09.1"W
	Depth 28 feet for 35 feet	33°45'16.5"N 118°11'25.0"W	Depth 38 feet for 40 feet 33°45'15.5"N 118°11'09.0"W
			Depth 45 feet for 47 feet 33°45'07.9"N 118°11'06.6"W
			Depth 41 feet for 42 feet 33°45'18.1"N 118°11'06.4"W
			Depth 39 feet for 41 feet 33°45'13.5"N 118°11'01.3"W
			Depth 45 feet for 49 feet 33°45'07.9"N 118°10'59.0"W
			Depth 22 feet for 24 feet 33°45'27.1"N 118°10'58.3"W
			Depth 42 feet for 45 feet 33°45'15.0"N 118°10'57.9"W
			Depth 44 feet for 46 feet 33°45'18.5"N 118°10'56.9"W
			Depth 23 feet for 27 feet 33°45'29.7"N 118°10'56.1"W
Change			Designation of buoy "12" to "10" 33°42'55.8"N 118°15'29.8"W
			Designation of light "14" to "12" 33°43'19.1"N 118°16'03.7"W

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# SECTION I

**NM 5/04**

<b>18751</b>	(Continued)			
	Legend to "SECURITY ZONE 165.1151 (see note A)"	33°41'49"N 118°16'30"W		
	Legend to "SECURITY ZONE 165.1151 (see note A)"	33°41'55"N 118°11'51"W		
Add	Depth 13 feet	33°45'29.8"N 118°11'43.0"W		
	Depth 39 feet	33°45'15.9"N 118°11'06.6"W		
(NOS; 41/03 CG11)				
<b>★18757</b>	10Ed. 6/13/92 LAST NM 41/03	5/04		
Add	Buoy (mooring) [Q40] "CG"	33°21'03"N 118°19'24"W		
	<b>(Inset Avalon Bay)</b>			
Add	Buoy (mooring) [Q40] "CG"	33°21'03.2"N 118°19'23.6"W		
(42/03 CG11)				
<b>★19361</b>	8Ed. 10/03 NEW EDITION	5/04		
(NOS)				
<b>22051</b>	18Ed. 6/3/95 LAST NM 28/02	5/04		
Relocate	Buoy "3" from 3°54'50"N 77°23'56"W to	3°54'54"N 77°23'14"W		
	Buoy "5" from 3°55'00"N 77°22'49"W to	3°55'01"N 77°22'51"W		
	Buoy "6" from 3°55'06"N 77°22'02"W to	3°55'01"N 77°22'09"W		
	Buoy "7" from 3°55'19"N 77°22'06"W to (150-153/03 Bogota)	3°55'14"N 77°22'05"W		
<b>22112</b>	3Ed. 11/2/96 LAST NM 37/03	5/04		
Delete	Buoy "4"	2°36'14"S 79°54'54"W		
Relocate	Buoy "2" from 2°40'13"S 79°56'00"W to	2°39'57"S 79°55'58"W		
	Buoy "Puna" from 2°44'39"S 79°53'28"W to (See 37/03-22112)	2°44'58"S 79°53'36"W		
Add	Buoy "4" R, pillar, Fl R 3s (8/57), 9(65, 68, 69)03 Guayaquil )	2°37'41"S 79°55'26"W 2°36'30"S 79°54'30"W		
<b>22113</b>	8Ed. 1/2/99 LAST NM 17/03	5/04		
	<b>(Panel B)</b>			
Change	Buoy "75" to YB, pillar, double cone topmark points downward, VQ(6) 10s	2°18'30"S 79°55'56"W		
(7/54)03 Guayaquil)				
<b>22114</b>	5Ed. 2/3/96 LAST NM 37/03	5/04		
	<b>(Panel A)</b>			
Relocate	Buoy "Boya Darwin" from 2°27'22"S 79°51'15"W to	2°27'33"S 79°51'20"W		
	Buoy "Puerto Roma" from 2°31'16"S 79°52'15"W to (See 37/03-22114)	2°31'28"S 79°52'20"W		
Add	Buoy R, pillar, Fl R 4s (8/56), 9(61-63)03 Guayaquil)	2°25'54"S 79°50'54"W 2°34'45"S 79°53'44"W		
<b>22117</b>	3Ed. 3/23/96 LAST NM 37/03	5/04		
Delete	Buoy "4"	2°36'14"S 79°54'54"W		
Relocate	Buoy "2" from 2°40'13"S 79°56'00"W to	2°39'57"S 79°55'58"W		
	Buoy "Puna" from 2°44'39"S 79°53'28"W to (See 37/03-22117)	2°44'58"S 79°53'36"W		
Add	Buoy "4" R, pillar, Fl R 3s (8/57), 9(61, 65, 68, 69)03 Guayaquil)	2°37'41"S 79°55'26"W 2°36'30"S 79°54'30"W 2°34'45"S 79°53'44"W		
<b>★22284</b>	7Ed. 3/11/85 CHART CANCELED			N5/04
	(NGA)			
<b>★22286</b>	1Ed. 11/1/03 NEW CHART			5/04
Add	Depth 9.2 meters and enclosing depth contour (10-meter) centered	30°13'07"S 71°29'40"W		
	Depth 8.6 meters and enclosing depth contour (10-meter) centered	30°13'08"S 71°29'59"W		
	Depth 5 meters, blue tint and enclosing depth contour (5-meter) centered	30°13'34"S 71°29'31"W		
	Depth 4 meters, blue tint and enclosing depth contour (5-meter) centered	30°14'05"S 71°29'14"W		
	(NGA; 12(197)00 Valparaiso)			
<b>37005</b>	16Ed. 8/2/97 LAST NM 51/03			5/04
Add	Swept depth 16.1 meters Wk [K27]	53°50.1'N 6°42.6'E		
	Swept depth 21.7 meters Wk [K27]	53°49.3'N 7°01.5'E		
(49/87)03 Hamburg)				
<b>37010</b>	23Ed. 9/7/96 LAST NM 51/03			5/04
Add	Swept depth 16.1 meters Wk [K27]	53°50.1'N 6°42.6'E		
	Swept depth 21.7 meters Wk [K27]	53°49.3'N 7°01.5'E		
(49/87)03 Hamburg)				
<b>37165</b>	2Ed. 2/3/96 LAST NM 1/04			5/04
Add	Swept depth 16.1 meters Wk [K27]	53°50.1'N 6°42.6'E		
	Swept depth 21.7 meters Wk [K27]	53°49.3'N 7°01.5'E		
	Buoy "Mess-G" Y, spherical, Fl(5) Y 20s	54°12.3'N 7°52.4'E		
(49/87, 88)03 Hamburg)				
<b>37221</b>	13Ed. 2/3/96 LAST NM 52/03			5/04
Relocate	Buoy "Norderpiep" from 54°11.3'N 8°28.3'E to	54°10.9'N 8°28.3'E		
	Buoy "NP 1" from 54°11.3'N 8°29.8'E to	54°10.8'N 8°29.8'E		
	Buoy "NP 2" from 54°11.1'N 8°29.8'E to	54°11.0'N 8°29.9'E		
Add	Swept depth 16.1 meters Wk [K27]	53°50.1'N 6°42.6'E		
	Swept depth 21.7 meters Wk [K27]	53°49.3'N 7°01.5'E		
	Buoy "Mess-G" Y, spherical, Fl(5) Y 20s	54°12.3'N 7°52.4'E		
(41(87), 49(87, 88)03 Hamburg)				
<b>37235</b>	11Ed. 6/27/98 LAST NM 17/03			5/04
	<b>(Panel 2)</b>			
Change	Legend to "Elsfleth/Deichstücke 3.8 meters"	53°12'47"N 8°27'30"E		
	Legend to "Huntebrück 2.4 meters"	53°12'42"N 8°27'30"E		
	<b>(Plan B)</b>			
Change	Legend to "Depth 3.8"	53°14'03"N 8°27'56"E		
(49(5)03 Hamburg)				
<b>43120</b>	4Ed. 6/17/95 LAST NM 18/99			5/04
Change	Light to Oc(3) WRG 10s 7m 10-9M	69°19.7'N 16°07.2'E		
	Light to Fl 3s 11m 3M	69°16.6'N 16°57.5'E		
	Visibility (range) of light to 8-5M	69°17.5'N 16°47.3'E		
	Visibility (range) of light to 8-5M	69°16.8'N 16°47.4'E		
	Visibility (range) of light to 8-5M	69°13.4'N 16°53.0'E		
	Visibility (range) of light to 7-5M	69°17.7'N 16°59.3'E		
	Visibility (range) of light to 8-5M	69°24.2'N 16°56.6'E		
	Light to Oc WRG 6s 15m 9-6M	69°24.7'N 17°08.4'E		
	Visibility (range) of light to 8-6M	69°32.3'N 17°18.8'E		
(BA LL)				
<b>43124</b>	5Ed. 1/4/97 LAST NM 3/04			5/04
Change	Visibility (range) of light to 6-4M	69°30'52"N 17°56'21"E		
(BA LL)				
<b>43126</b>	4Ed. 3/16/96 LAST NM 19/99			5/04
Change	Visibility (range) of light to 8-5M	69°24'20"N 16°56'25"E		
(continued on next page)				

## SECTION I

<b>43126</b>	(Continued)					
	Light to Oc WRG 6s 15m 9-6M	69°24'50"N 17°08'25"E		Buoy from 64°38.7'N 21°19.0'E to	64°38.7'N 21°19.2'E	
	Light to Iso WRG 6s 10m 10-8M	69°27'59"N 17°13'16"E		Buoy from 64°39.3'N 21°21.2'E to	64°39.2'N 21°22.0'E	
	Visibility (range) of light to 8-6M	69°32'31"N 17°18'33"E		Buoy from 64°38.2'N 21°20.6'E to	64°38.3'N 21°21.0'E	
Add	Period 8s to light	69°25'19"N 17°14'57"E		Buoy from 64°40.3'N 21°27.1'E to	64°39.7'N 21°27.2'E	
(BA LL)			Change	Shape of buoy to conical	64°39.0'N 21°19.6'E	
			(8(96)02 Norrkoping)			
<b>43140</b>	4Ed. 10/5/96 LAST NM 1/04	5/04				
Change	Light to Oc(3) WRG 10s 23ft 8-6M	69°09.7'N 16°06.2"E	Substitute	Depth 5.6 meters for 8.2 meters	56°55.1'N 18°16.9'E	5/04
	Light to Fl 3s 36ft 3M	69°16.6'N 16°57.2"E	Add	Depth 7 meters enclosed by depth contour	56°54.9'N 18°16.9'E	
	Visibility (range) of light to 8-5M	69°17.5'N 16°47.3"E		(10-meter)		
	Visibility (range) of light to 7-5M	69°17.7'N 16°59.3"E		(51-52(923)01 Norrkoping)		
Add	Visibility (range) 7-5M to light	69°15.7'N 17°03.2"E				
(BA LL)						
<b>43141</b>	5Ed. 2/22/97 LAST NM 12/03	5/04				
Change	Visibility (range) of light to 3M	69°05'10"N 16°28'00"E	Change	Characteristic of light to Al WG 10s	41°14'14"N 8°40'30"W	5/04
(BA LL)			(BA LL)			
<b>43360</b>	21Ed. 1/4/97 LAST NM 52/03	5/04				
Relocate	Pilot station symbol from 58°14.6'N 11°12.6'E to	58°15.3'N 11°11.1'E	Delete	Depth 4.6 meters	40°38'17.3"N 8°46'19.0"W	5/04
			Change	Designation of berth "GALP" to "22"	40°39'34.2"N 8°42'34.5"W	
Add	Buoy RW, pillar, ball topmark, L Fl 10s Racon	57°43.5'N 10°53.5"E		Designation of berth "F" to "21"	40°39'33.8"N 8°42'31.0"W	
	(15(411)00, 49(697)02 Norrkoping)			Designation of berth "E" to "20"	40°39'32.8"N 8°42'24.8"W	
				Designation of berth "15" to "F"	40°38'44.5"N 8°41'44.2"W	
<b>43375</b>	7Ed. 8/22/92 LAST NM 51/03	5/04				
Relocate	Pilot station symbol from 58°15'18"N 11°13'00"E to	58°15'18"N 11°11'06"E	Add	Depth 11.1 meters	40°38'18.0"N 8°46'18.1"W	
(15(411)00 Norrkoping)				Berth designation "3"	40°38'11.0"N 8°41'13.8"W	
				Berth designation "16"	40°38'48.0"N 8°41'49.5"W	
<b>43384</b>	1Ed. 9/14/91 LAST NM 2/04	5/04				
Relocate	Pilot station symbol from 58°15'18"N 11°13'00"E to	58°15'18"N 11°11'06"E		Range light, front Oc 4s 6m 3M	40°39'47.7"N 8°42'14.0"W	
(15(411)00 Norrkoping)				Range light, rear Oc 6s 9m 3M	40°39'52.9"N 8°42'18.0"W	
<b>44036</b>	5Ed. 8/31/96 LAST NM 52/03	5/04				
Add	Buoy "1A" RW, pillar, ball topmark, L Fl 10s Racon	57°43'29"N 10°53'33"E		Range line extending in 149°54' direction from above rear light		
(49(697)02 Norrkoping)				dashed for 660 meters, thence solid for 650 meters		
<b>44040</b>	23Ed. 7/20/96 LAST NM 1/04	5/04				
Delete	Pilot station symbol	56°19.0'N 12°20.3'E		Legend "329°54'" along above range line	40°39'18.5"N 8°41'51.0"W	
Add	Buoy "1A" RW, pillar, ball topmark, L Fl 10s Racon	57°43.5'N 10°53.5"E		Range light, common front Q 6m 3M	40°39'33.0"N 8°41'54.0"W	
(39(531), 49(697)02 Norrkoping)						
<b>44045</b>	6Ed. 6/8/96 LAST NM 44/03	5/04				
Change	Legend to "Lts in line 221°54'"	56°26.9'N 12°51.6'E		Range light, rear Oc 2s 9m 3M	40°39'40.0"N 8°41'56.0"W	
(15(406)00 Norrkoping)						
<b>44160</b>	7Ed. 4/5/97 LAST NM 2/04	5/04				
Substitute	Depth 5.6 meters for 8.2 meters	56°55.1'N 18°16.9'E		Range line extending in 169°06' direction from above rear light		
				dashed for 650 meters, thence solid for 1050 meters		
Add	Racon [S3.1]	57°30.8'N 16°44.1'E		Legend "349°06'" along above range line	40°38'52.0"N 8°41'42.0"W	
	Depth 7 meters enclosed by depth contour (10-meter)	56°54.9'N 18°16.9'E		Range light, rear Oc 2s 8m 3M	40°39'32.3"N 8°41'49.5"W	
(42(771), 51-52(923)01 Norrkoping)						
<b>44192</b>	1Ed. 12/18/93 LAST NM 2/04	5/04				
Add	Depth 7.5 meters	59°13'02"N 17°36'30"E		Range line extending in 280°54' direction from above rear light		
(49(704)02 Norrkoping)				dashed for 350 meters, thence solid for 950 meters		
<b>44193</b>	1Ed. 7/16/94 LAST NM 50/03	5/04				
Add	Submarine cable (power) [L31.1] joining	59°36'08"N 16°32'54"E		Legend "100°54'" along above range line	40°39'39.0"N 8°42'32.0"W	
		59°36'00"N 16°32'59"E		(3(108)00 Lisboa)		
		59°35'57"N 16°32'53"E				
	Buoy G, spar, QG	59°36'06"N 16°33'04"E				
(39(525)02 Norrkoping; Swd CH 113)						
<b>44260</b>	7Ed. 7/27/96 LAST NM 52/03	5/04				
Relocate	Buoy from 64°39.6'N 21°18.4'E to	64°39.4'N 21°18.7'E				

(continued on next page)

# SECTION I

**NM 5/04**

<b>51165</b>	(Continued)				
	Depth 5.4 meters	36°33'19.2"N 6°16'15.0"W			5/04
	Depth 6.5 meters	36°30'38.4"N 6°15'19.8"W			
	Depth 9.2 meters, blue tint and enclosing depth contour (10-meter) centered	36°33'33.0"N 6°17'46.2"W			
	(26(420, 421)03 Cadiz)				
<b>51167</b>	6Ed. 3/11/00 LAST NM 16/03		5/04		
Delete	Depth 7.3 meters	36°30'39.0"N 6°15'20.0"W			
Add	Depth 8 meters, blue tint and enclosing depth contour (10-meter) centered	36°32'27.6"N 6°16'55.8"W			
	Depth 5.4 meters	36°33'19.2"N 6°16'15.0"W			
	Depth 6.5 meters	36°30'38.4"N 6°15'19.8"W			
	Depth 9.2 meters, blue tint and enclosing depth contour (10-meter) centered	36°33'33.0"N 6°17'46.2"W			
	(26(420, 421)03 Cadiz)				
<b>51342</b>	3Ed. 4/25/98 LAST NM 1/03		5/04		
Substitute	Buoy (mooring) [Q40] for danger circle "Obstn"	30°08'19"N 15°52'30"W			
	<b>(Plan B)</b>				
Substitute	Buoy (mooring) [Q40] for danger circle "Obstn"	30°08'19.3"N 15°52'30.0"W			
	(4(152)03 Lisboa)				
<b>52080</b>	14Ed. 2/8/97 LAST NM 49/03		5/04		
Change	Light to Fl(2) R 7s 11m 3M (Spn LL)	38°58.7'N 1°17.9'E			
<b>52086</b>	2Ed. 8/5/95 LAST NM 36/03		5/04		
Add	Fish haven area [K46.1] bound by dashed line and existing fish haven area joining	39°59'54"N 0°05'38"E 39°59'31"N 0°05'38"E 40°00'05"N 0°05'06"E 40°00'41"N 0°05'06"E 40°01'04"N 0°05'21"E 40°01'04"N 0°05'38"E 40°00'30"N 0°05'38"E			
	(26(424)03 Cadiz)				
<b>52140</b>	6Ed. 3/30/96 LAST NM 52/03		5/04		
Add	Light Fl(2) R 7s 11m 3M (Spn LL; Spn CH 4781)	38°58.6'N 1°17.9'E			
<b>55041</b>	7Ed. 5/13/95 LAST NM 2/04		5/04		
	<b>(Panel A)</b>				
Add	Submarine cable [L30.1] joining	40°10'16.2"N 26°22'06.0"E 40°10'23.4"N 26°22'58.0"E 40°10'41.4"N 26°23'19.2"E 40°10'21.6"N 26°24'02.4"E 40°10'26.4"N 26°24'09.0"E			
	<b>(Panel B)</b>				
Add	Submarine cable [L30.1] joining	40°10'16.2"N 26°22'06.0"E 40°10'23.4"N 26°22'58.0"E 40°10'41.4"N 26°23'19.2"E 40°10'21.6"N 26°24'02.4"E 40°10'26.4"N 26°24'09.0"E			
	Submarine cable [L30.1] joining	40°13'30.6"N 26°25'34.2"E 40°13'04.2"N 26°25'40.2"E 40°12'44.4"N 26°25'28.2"E 40°11'57.0"N 26°25'03.0"E			
	(15(68)03 Istanbul)				
<b>56081</b>	19Ed. 8/17/96 LAST NM 41/02		5/04		
Delete	Position circle "S Sig Sta (disused)"	31°15'51.0"N 32°18'48.0"E			
	(50(4637)99 Taunton)				
<b>56101</b>	6Ed. 6/22/96 LAST NM 1/03		5/04		
Change	Light to Fl G 3s 20m 10M (50(5420)03 Taunton)	31°09'56"N 29°51'03"E			
<b>56102</b>	23Ed. 5/29/99 LAST NM 1/03		5/04		
Delete	Pilot station symbol	31°10'24.0"N 29°48'05.4"E			
Change	Light to Fl G 3s 20m 10M	31°09'56.3"N 29°51'03.5"E			
Add	Pilot station symbol [T1.1] (50(4635)99, 50(5420)03 Taunton)	31°11'03.0"N 29°47'39.0"E			
<b>56103</b>	6Ed. 5/15/99 LAST NM 33/03		5/04		
Delete	Pilot station symbol	31°10'24.0"N 29°48'05.4"E			
Change	Light to Fl G 3s 20m 10M	31°09'56.3"N 29°51'03.5"E			
Add	Pilot station symbol [T1.1] (50(4635)99, 50(5420)03 Taunton)	31°11'03.0"N 29°47'39.0"E			
<b>56104</b>	3Ed. 2/15/03 LAST NM 22/03		5/04		
Delete	Position circle "Lt Ho (disused) Sig Sta" (50(4637)99 Taunton)	31°15.84'N 32°18.74'E			
<b>62241</b>	10Ed. 1/24/98 LAST NM 9/03		5/04		
Add	Submarine cable area [L30.2] bound by shore and purple composite line joining	21°31'16.8"N 39°07'52.0"E 21°31'14.4"N 39°07'11.6"E 21°30'53.4"N 39°07'23.0"E 21°31'09.8"N 39°07'48.8"E			
	(50(5529)03 Taunton)				
<b>62434</b>	9Ed. 12/8/01 LAST NM 4/04		5/04		
Add	Depth 9.3 meters	29°53'56"N 48°19'12"E			
	Depth 9.1 meters	29°53'30"N 48°19'37"E			
	Depth 10 meters	29°52'58"N 48°20'30"E			
	Depth 10.6 meters	29°52'18"N 48°20'56"E			
	Depth 10.5 meters	29°51'51"N 48°22'04"E			
	Depth 8.8 meters	29°51'43"N 48°22'55"E			
	(50(5431)03 Taunton)				
<b>62437</b>	10Ed. 6/7/03 LAST NM 37/03		5/04		
Add	Depth 5.1 meters	30°12'14"N 47°52'54"E			
	Depth 8 meters	30°02'51"N 47°57'31"E			
	Depth 6.7 meters	30°04'07"N 47°57'35"E			
	Depth 8.2 meters	30°00'18"N 47°57'47"E			
	Depth 9.1 meters	30°00'04"N 47°58'02"E			
	Depth 7 meters	29°59'41"N 48°01'13"E			
	Depth 3.5 meters	30°00'34"N 48°02'18"E			
	Depth 6.4 meters	30°00'54"N 48°02'41"E			
	Depth 8.6 meters	30°01'03"N 48°02'47"E			
	Depth 8.3 meters	30°01'29"N 48°09'42"E			
	Depth 6.3 meters	30°01'24"N 48°10'00"E			
	Depth 8.1 meters	29°59'52"N 48°12'52"E			
	Depth 8.1 meters	29°59'30"N 48°13'15"E			
	Depth 8.8 meters	29°57'58"N 48°14'53"E			
	Depth 8.5 meters	29°57'19"N 48°15'31"E			
	Depth 8.8 meters	29°56'07"N 48°16'53"E			
	<b>(Plan)</b>				
Add	Depth 8 meters	30°02'51.0"N 47°57'31.2"E			
	Depth 6.7 meters	30°04'07.2"N 47°57'35.4"E			
	Depth 8.2 meters	30°00'18.0"N 47°57'47.4"E			
	Depth 8.4 meters	30°00'19.2"N 47°57'54.6"E			
	Depth 9.1 meters	30°00'03.6"N 47°58'01.8"E			
	Depth 7 meters	29°59'40.8"N 48°01'13.2"E			
	(50(5431)03 Taunton)				
<b>62451</b>	7Ed. 2/18/95 LAST NM 23/02		5/04		
Add	Depth 24 meters	28°34'45"N 48°56'29"E			
	Depth 12.6 meters	28°34'45"N 48°48'12"E			
	Depth 19.3 meters	28°35'57"N 48°48'00"E			
	(50(5481)03 Taunton)				
<b>62550</b>	3Ed. 2/22/03 LAST NM 52/03		5/04		
Add	Depth 22.5 meters	25°25'14"N 52°19'52"E			
	(50(5485)03 Taunton)				
<b>62560</b>	4Ed. 3/1/03 LAST NM 18/03		5/04		
Delete	Depth 14.5 meters	28°34'39"N 48°48'24"E			
Add	Depth 24 meters	28°34'45"N 48°56'29"E			
	Depth 12.6 meters	28°34'45"N 48°48'12"E			
	Depth 19.3 meters	28°35'57"N 48°48'00"E			
	(50(5481)03 Taunton)				

<b>62570</b>	4Ed. 1/26/02 LAST NM 1/04 Substitute Depth 12.6 meters for 14.5 meters	5/04 28°34'45"N 48°48'12"E	31°19'15"N 121°43'34"E 31°19'30"N 121°42'48"E
Add	Depth 24 meters Depth 19.3 meters (50(5481)03 Taunton)	28°34'45"N 48°56'29"E 28°35'57"N 48°48'00"E	Purple dashed line joining 31°04'11"N 122°05'36"E 31°08'11"N 121°55'41"E 31°09'09"N 121°54'00"E
<b>63091</b>	4Ed. 3/12/83 LAST NM 9/03 Add "OIL DEVELOPMENT AREA (see Note)" bound by dashed line joining	5/04 21°01'17"N 72°29'22"E 21°04'50"N 72°36'10"E 21°09'35"N 72°34'10"E 21°06'38"N 72°28'40"E 21°03'22"N 72°28'34"E	Purple dashed line between 31°03'41"N 122°05'19"E 31°07'30"N 121°55'41"E (36(668)02, 16(287), 24(478), 32(654), 40(859, 860)03 Tianjin)
	Legend "Shoaling Reported (2003)" (6(142)02, 19(355)03 Dehra Dun)	20°57'30"N 72°31'36"E	
<b>63250</b>	6Ed. 10/13/01 LAST NM 11/03 Add Dangerous wreck [K28] (PA) (20(380)03 Dehra Dun)	5/04 10°10.0'N 79°50.0'E	
<b>63260</b>	5Ed. 8/25/84 LAST NM 43/01 Add Dangerous wreck [K28] (PA) (20(380)03 Dehra Dun)	5/04 10°10.0'N 79°50.0'E	
<b>74191</b>	2Ed. 2/9/85 LAST NM 29/03 <b>(Plan)</b> Add Chartlet A, depicting changes in hydrography, topography, and aids to navigation, from Subsection I-2 24°45'36.0"S 152°24'48.0"E Chartlet B, depicting changes in hydrography, topography, and aids to navigation, from Subsection I-2 24°45'36.0"S 152°23'30.0"E Chartlet C, depicting changes in hydrography, topography, and aids to navigation, from Subsection I-2 24°46'06.0"S 152°22'48.0"E (See 13/98-74191) (Aus CH 242)	5/04	
			Buoy "19" from 31°18'23.5"N 121°46'25.6"E to 31°18'18.5"N 121°46'25.6"E Buoy "21" from 31°19'06.0"N 121°44'24.0"E to 31°19'14.5"N 121°43'33.6"E Buoy "23" from 31°19'46.0"N 121°42'41.0"E to 31°19'50.3"N 121°42'16.1"E
			Add Purple dashed line joining 31°17'28.8"N 121°49'07.2"E 31°18'18.5"N 121°46'25.6"E 31°18'39.5"N 121°45'17.6"E 31°19'14.5"N 121°43'33.6"E 31°19'50.3"N 121°42'16.1"E 31°20'26.5"N 121°40'58.6"E
			Buoy "19-1" G, pillar, cone topmark, Fl G 4s 31°18'39.5"N 121°45'17.6"E (40(859, 860), 44(956)03 Tianjin)
<b>75051</b>	6Ed. 1/23/99 LAST NM 5/03 <b>(Plan)</b> Add Chartlet, depicting changes in hydrography and topography, from Subsection I-2 (6(198)03 Wollongong)	5/04 35°02'12.0"S 117°54'00.0"E	
<b>94216</b>	6Ed. 4/20/96 LAST NM 1/04 Delete Purple dashed line joining	5/04 31°17'29"N 121°49'07"E 31°18'24"N 121°46'26"E 31°19'06"N 121°44'23"E 31°19'30"N 121°43'24"E	
	Purple dashed line between	31°07'57"N 121°56'14"E 31°08'11"N 121°55'41"E	
	Purple dashed line joining	31°03'41"N 122°05'19"E 31°06'59"N 121°58'25"E 31°07'30"N 121°55'41"E	
Relocate	Buoy "7" from 31°05'15"N 122°02'49"E to 31°05'14"N 122°02'10"E Buoy "8" from 31°06'35"N 121°59'50"E to 31°06'30"N 121°59'03"E Buoy "19" from 31°18'24"N 121°46'26"E to 31°18'19"N 121°46'26"E Buoy "21" from 31°19'06"N 121°44'23"E to 31°19'15"N 121°43'34"E Buoy "75" from 31°07'57"N 121°56'14"E to 31°08'11"N 121°55'41"E		
	Light vessel "Changjiang Kou" from 31°06'06"N 122°26'44"E to (See 10/03, 1/04-94216)	31°06'02"N 122°28'08"E	
Add	Buoy "19-1" G, pillar, cone topmark, Fl G 4s 31°18'40"N 121°45'18"E		
	Buoy Y, pillar, "X" topmark Buoy Y, pillar, "X" topmark	31°08'30"N 122°18'49"E 31°07'37"N 122°18'05"E	
	Purple dashed line joining	31°17'29"N 121°49'07"E 31°18'19"N 121°46'26"E 31°18'40"N 121°45'18"E	

### Chart 74191 (Plan)

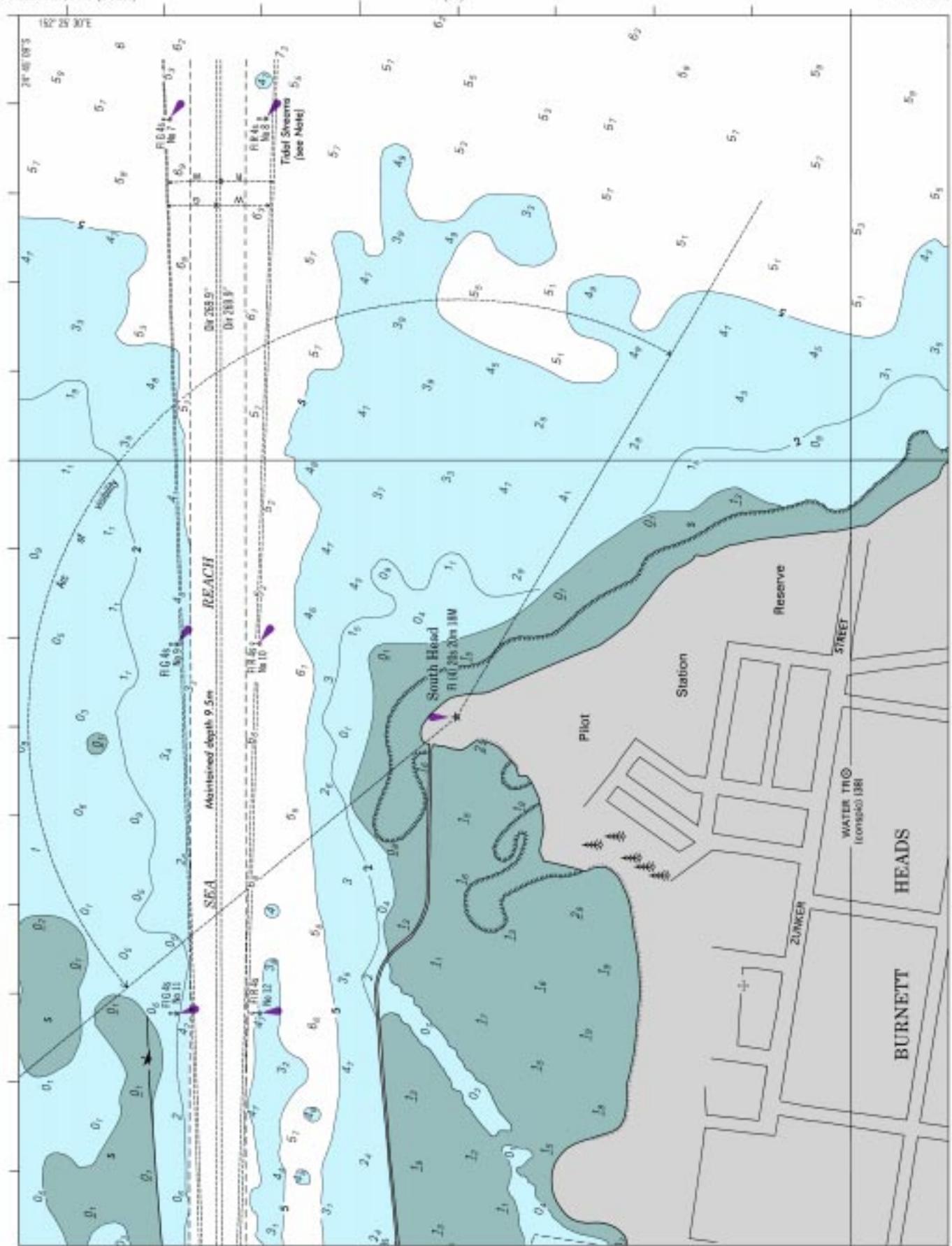
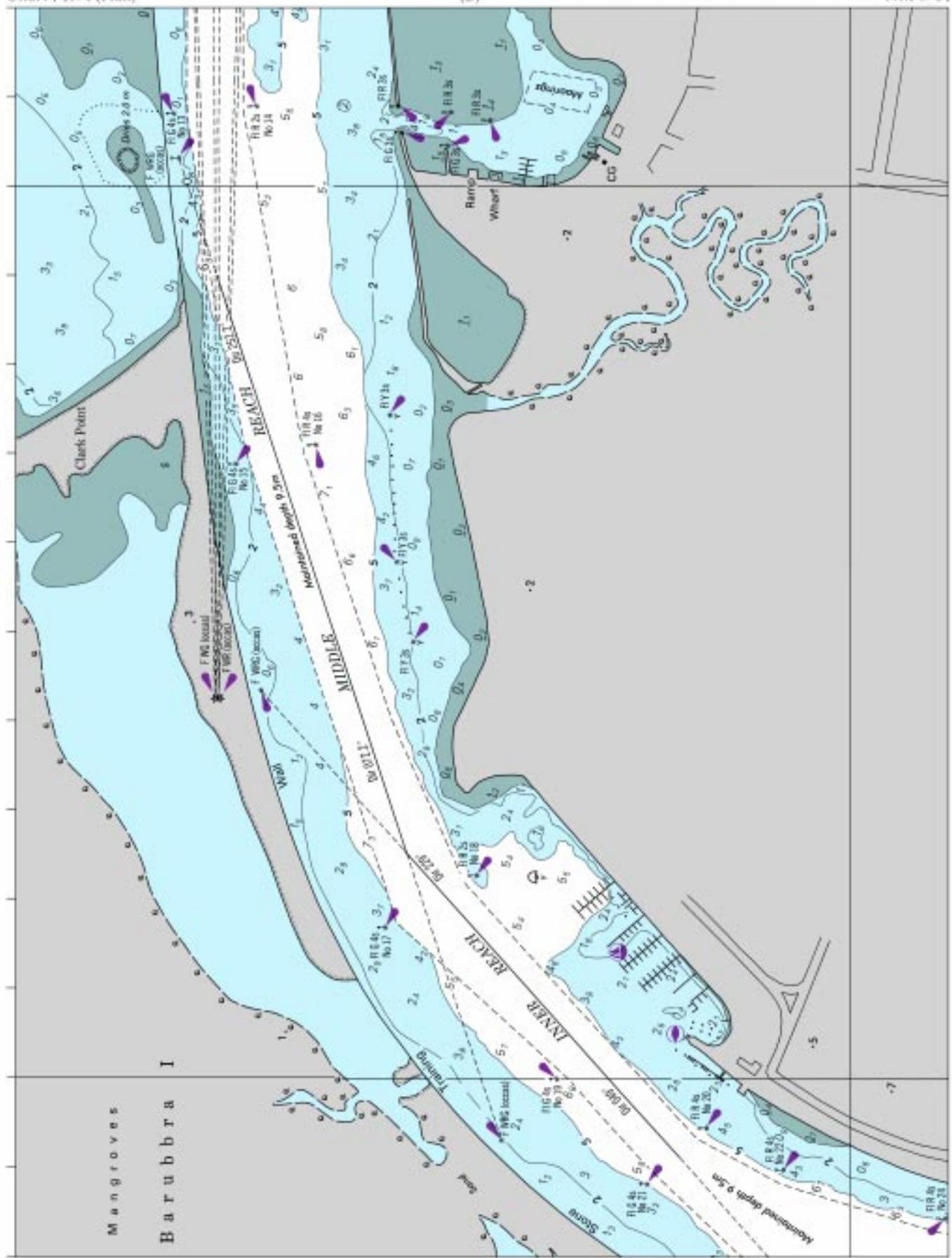
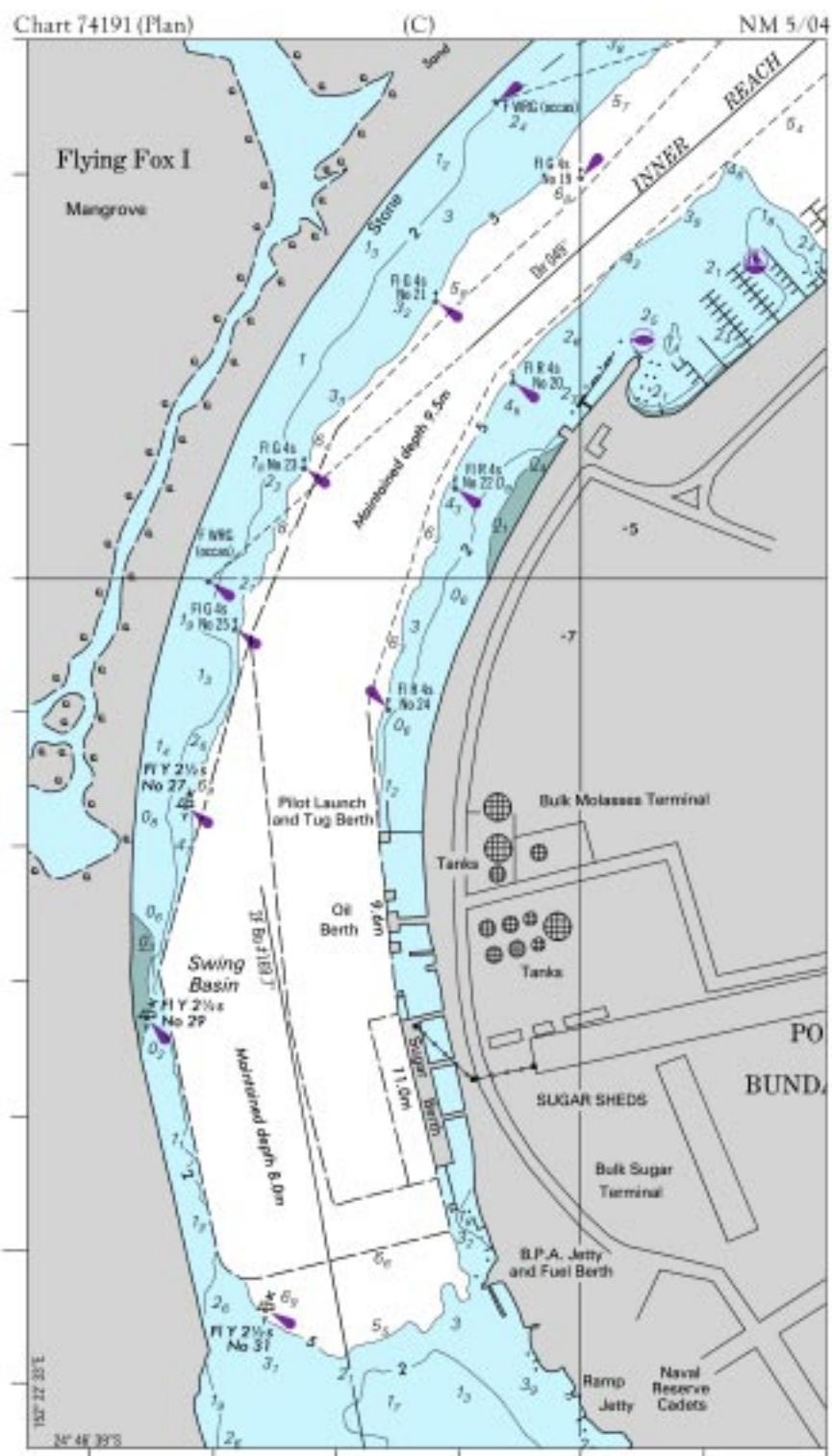


Chart 74191 (Plan)

(B)

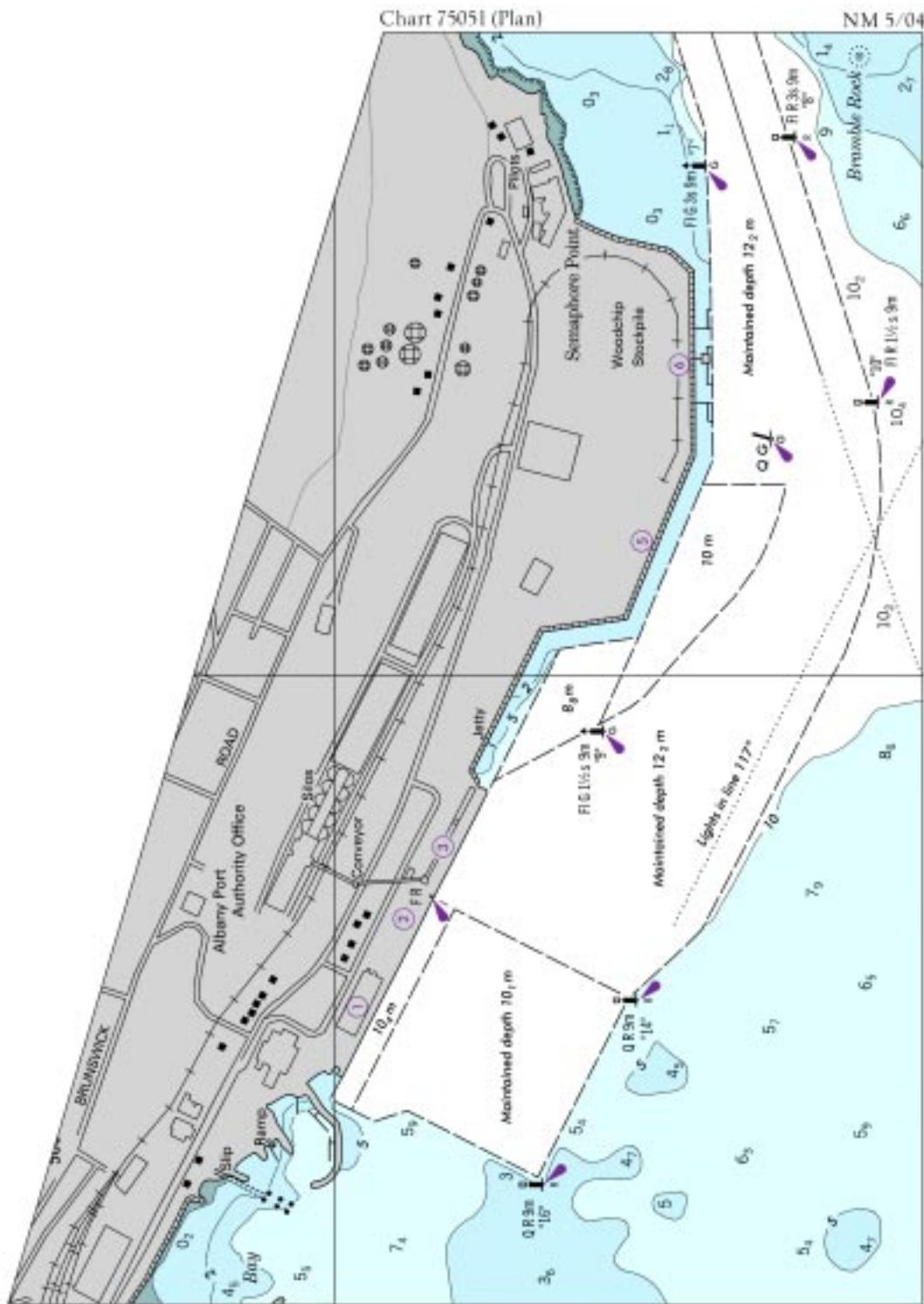
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## SECTION I

NM 5/04



## SECTION I

Chart 18521 (Inset)

NM 5/04

COLUMBIA RIVER CHANNEL DEPTHS ENTRANCE TO MILLER SANDS RANGE						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 2, 2003						
NAME OF CHANNEL	* SEE FOOTNOTES					PROJECT DIMENSIONS
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (STAT. MILES) DEPTH (FEET) CRD
ENTRANCE RANGE	58	57	55	43	10-03	2640 3.3 48
SAND ISLAND RANGE (CLATSOP SPIT)	49	52	53	44	10-03	2640 2.2 48
LOWER DESDEMONA SHOAL	46	47	43	39	9-03	600 3.4 40
UPPER DESDEMONA SHOAL	44	43	46	45	10-03	600 3.6 40
TANSY POINT TURN AND RANGE	40	42	41	38	10-03	600 4.8 40
ASTORIA RANGE	42	43	44	43	10-03	600 2.7 40
TONGUE POINT CHANNEL	40	43	42	43	10-03	600 2.2 40
HARRINGTON POINT RANGE	39	41	42	38	10-03	600 2.6 40
MILLER SANDS RANGE	43	43	41	39	10-03	600 2.2 40

\* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT  
 \* CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES.  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18523

NM 5/04

COLUMBIA RIVER CHANNEL DEPTHS MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOVEMBER 5, 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (STAT. MILES) DEPTH (FEET) CRD
MILLER SANDS RANGE	43	43	41	39	10-03	600 2.2 40
PILLAR ROCK LOWER RANGE	38	41	41	37	10-03	600 3.0 40
PILLAR ROCK UPPER RANGE	37	41	41	39	10-03	600 1.9 40
WELCH ISLAND REACH	43	43	45	38	10-03	600 3.2 40
SKAMOKAWA CHANNEL	29	42	45	37	10-03	600 3.3 40
STEAMBOAT REACH	49	48	45	42	9,10-03	600 1.4 40
PUGET ISLAND RANGE AND TURN	40	40	40	37	9-03	600 3.5 40
WAUNA RANGE	38	42	42	44	10-03	600 2.2 40
DRISCOLL RANGE	39	41	42	41	10-03	600 1.7 40
WESTPORT TURN AND RANGE	36	40	42	42	10-03	600 2.0 40
WESTPORT CHANNEL	40	43	42	41	8,10-03	600 2.4 40
EUREKA LOWER CHANNEL	42	43	43	43	8-03	600 2.1 40
EUREKA UPPER CHANNEL	42	42	42	41	8-03	600 0.8 40
OAK POINT CHANNEL	46	46	44	39	10-03	600 2.4 40
GULL I TURN AND CHANNEL	45	44	41	38	9,10-03	600 2.2 40

\* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES TO THE ABOVE INFORMATION

## SECTION I

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 33/02 THROUGH NM 5/04**

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.
12	1	45/02	11006	31	47*,49,50/03;3,5/04	11361	70	21*,23,24,25,26,30,31, 35,51,52/03;1,3,4/04	11463	17	24/03*
20	3	18/03	11009	36	35,44,51/02;6,12,19,39, 52/03;5/04	11362	4	N33,N36,N39,N40, N47/02;N2,N5,N6,N8, N19,N23,N24,N25,N26, N27,N29,N30,N34,N35, N37,N38,N49,N50,N51, N52/03;N1,N2,N3,N5/04	11464	16	7,25/03
21	4	4/04	11013	45	38*,40,50,52/03	11363	39	47*,50,51/03;1,4,5/04	11465	36	52/02*,22,40/03
22	1	18/03;4/04	11300	39	28*,30,31,32,34,35,36, 44,45,50,51/03;5/04	11364	39	3*,4,5,8,9,18,19,21,23, 25,26,27,30,33,34,35,43, 50,51/03;1,4/04	11466	36	30*,31,40/03
50	6	32*,34,40,50/03	11301	23	37/02;16,24,32/03;1/04	11365	17	52/02*,9,32,34,50/03; 3/04	11467	38	5/04
53	2	34,50/03	11302	30	48/03*/1/04	11366	8	52/03*,1,3,5/04	11468	39	42*,43,49/02;40/03
70	4	7,34/03	11304	12	5/04	11367	32	38*,45,46,51/03	11469	5	35,50/02;7,9,12,21,23,31, 40/03
71	4	7,34/03	11305	1	N36,N46/02;N1,N6,N7, N32/03;N1/04	11368	22	38/02*,19,21,23,30,33, 34,35,45,46,51,52/03	11470	36	10*,12,40/03
72	4	7/03	11307	36	22,24,27,35,52/03;1/04	11369	44	9*,18,19,21,27,43,50/03; 1/04	11472	31	8*,25,40/03
73	4	34/03	11308	22	3*,7,10,23,25,32/03	11370	17	52/02*,9,32,34,50/03;	11474	10	6,17,52/03
101	3	48/02	11309	37	48*,50,51/03;1/04	11371	36	5,10/02;13/03	11475	16	51/02;13/03
103	5	16/03	11310	1	N46/02;N22,N23, N32/03;N1/04	11372	30	2*,7,8,10,19,23,24,26,27, 31,42,44/03;4/04	11476	19	6,34/03
108	9	35/02;34,39/03	11311	23	46/02;26/03;1/04	11373	43	48*,49/03;1,3,4,5/04	11478	20	32*,50,52/03
120	6	39/03	11312	3	36,46/02;1,6,7,22,23, 32/03;1/04	11374	32	2/04*	11479	4	N35,N50/02;N6,N23, N25,N31,N34,N40, N52/03
124	10	18,34,39/03	11313	22	22,27,36,52/03;4/04	11375	35	1*,2,5,7,9,20,23,24,27, 29,47,51/03;1/04	11480	38	30/03*
125	7	21/03	11314	22	17*,21,22,32/03	11376	24	38/03*,4/04	11481	4	42*,49/02;6,12,13,19,28, 34,50,52/03
126	39	21/03	11315	31	48/03*	11377	36	35*,48/03;4/04	11484	21	34/03
145	16	39/03	11316	39	17*,22,26,29,34/03;1/04	11378	32	11*,12,18,20,21,22,24, 26,30,38,52/03	11485	33	22/03*
200	3	37/03	11317	29	37,40,49/02;16,19,20,21, 23,26,29,30,34/03;1/04	11379	43	48*,49/03;1,3,4,5/04	11486	15	36/03*
204	4	4/04	11318	1	N46/02;N6,N24,N25, N44,N50/03;N1/04	11380	32	2/04*	11488	24	7,17,50/03
211	5	4/04	11319	31	17*,19,20,25,26,29,30, 34/03	11381	39	46/02*,9,25,26,37,52/03	11489	34	8*,12,20,22,31,50,52/03
301	1	14,21,24/03	11320	1	N22,N23,N24,N52/03	11382	39	48/03*,4/04	11490	17	50/03
302	1	2/03	11321	29	39,40,41,45/02;23,31, 34/03	11383	50	52/03*	11491	33	34,37,38/02;12,30,34,50, 52/03
310	20	2,14,21,24,52/03	11322	28	19*,20,23,30,34,35,42, 47/03;1/04	11384	34	2/04*	11493	9	N39/02;N12,N20,N22, N31/03
400	3	33,35,45/02;29,33,34/03	11323	60	47*,49,51/03;1,3,5/04	11385	25	49/03	11494	8	N39/02;N22/03
401	5	33,35,45/02;14,29,33,34, 44/03	11324	33	47*,49,52/03;1/04	11386	16	24,34/03	11496	9	N35/02;N1,N17,N19, N34/03;N5/04
411	49	19*,22,23,24,25,26,29, 30,31,33,44,52/03;1,5/04	11325	35	26*,38,42,47/03;1/04	11387	32	33,37/02;2,7,32,42, 51/03;2/04	11502	28	14,17,20,22,50,52/03
500	8	32*,34,41/03	11326	31	7*,9,16,20,21,22,23,24, 30,31,33,35,38,45,46, 52/03;1,2,4/04	11388	22	33,34,37/02;7,21,30,32, 50,51/03;2,3/04	11503	40	2/04*
502	2	52/02;40,44/03	11327	31	46*,52/03;1/04	11389	23	2*,3/04	11504	15	12,22/03
503	4	1/04	11328	23	43*,52/03;1,2,4/04	11390	22	33,34,37/02;7,21,30,32, 50,51/03;2,3/04	11505	1	34,40,49/02;1,4,5,11,22, 34,43,51/03
507	2	45/02	11329	35	48*,49,52/03;2/04	11391	23	2*,3/04	11506	40	10*,19,22,28,34,43,51, 52/03
508	2	45/02	11330	15	50*,51/03;1,2,4,5/04	11392	6	34/02;21,32,50/03;3/04	11507	31	9*,12,20/03
510	3	40/03	11331	28	18,21,23,30,34/03;4/04	11393	20	30,35,42/03	11508	21	10/03*
513	6	38/02;34,50/03	11332	28	42*,43,49,51/02;6,17,19, 20,23,25,31,34,35,37,47, 52/03;1,2,4/04	11394	14	43*,45/02;7,20/03	11509	27	1,11,24/03
520	127	38/02;34,40,41/03;4/04	11333	1	N35/03	11395	14	43*,45/02;1,6,7,11,12,13, 14,20/03	11510	18	34/02
521	11	34,50/03	11334	68	37*,38,45,46,49,50,51, 52/03;1,2,3,4,5/04	11396	29	38/03*	11511	16	11/03
523	8	34,50/03	11335	39	14*,17,21,22,23,25,31, 34,37,38,47,52/03;1,2,3, 4,5/04	11397	41	42*,45/02;1,6,7,11,12,13, 14,20/03	11512	59	10*,11,15,20,22,24,34, 43,51/03
524	12	47/02;34/03	11336	31	46*,52/03;1/04	11398	21	50/02;9,19,27,49/03	11513	23	49/02;1,24,50/03
525	3	40/03	11337	35	48*,49,52/03;2/04	11399	29	38/03*	11514	26	37*,40,49/02;4,5,15,22, 24,34,43,51/03
526	10	47/02;6/03	11338	15	50*,51/03;1,2,4,5/04	11400	24	39/02;4,9,11,12,13/03	11515	30	43*,50/03
530	30	37,38,40,52/02;6,10,18, 21,22,24,34,40,41,44, 50/03;4/04	11339	28	42*,43,47,49,51/02;6,17,19, 20,23,25,31,34,35,37,47, 52/03;1,2,4/04	11401	29	27/03	11516	17	24/03
531	21	47,52/02;21,24,32,34, 41/03	11340	1	N35/03	11402	21	30*,34/03	11517	33	14*,19,28,50/03
532	17	38/02;34,50/03	11341	68	37*,38,45,46,49,50,51, 52/03;1,2,3,4,5/04	11403	14	43*,45/02;7,20/03	11518	12	28/03*
540	16	51/02;16,30/03	11342	52	27*,29,31,34,35,42,46, 47/03;1/04	11404	29	50/02;9,19,27,49/03	11519	41	38*,39,50/03;1,2,5/04
541	2	6/03	11343	37	48*,49,50,51/03;4/04	11405	29	38/03*	11520	26	35/02;9,19,24,28,34, 39/03
550	7	45/02;6/03	11344	35	9*,19,22,23,26,27,29,31, 34,38,43,46,47/03;4,5/04	11406	5	42*,45/02;1,2,6,11,12,14, 20,50/03	11521	19	39/03
600	5	45/03	11345	31	9*,38/03;4/04	11407	27	20*,21,22,25,52/03	11522	21	35,52/02;5,9,19,24,28, 34/03
601	4	6,8,27,38/03	11346	33	42*,43,47,49/02;4,6,7,8, 19,20,21,23,25,26,27,29, 31,32,43,47,48,50,51/03; 4/04	11408	7	N39,N42/02;N4,N8,N15, N21,N22,N25,N52/03	11523	21	8*,11,12,13,15,17,19,20, 22,28,34,43/03
602	6	47/02;6,38/03	11347	33	42*,43,47,49/02;4,6,7,8, 19,20,21,23,25,26,27,29, 31,32,43,47,48,50,51/03; 4/04	11409	18	14,25/03	11524	46	8*,11,12,13,15,17,19,20, 22,28,34,43/03
603	6	47/02;10/03	11348	31	43*,47,51/03;4/04	11410	34	46*,49/02;4,25,52/03	11525	6	N39,N40,N44,N46, N51/02;N4,N6,N8,N24, N39,N50/03;N1,N2, N5/04
604	5	38/03	11349	40	38*,42,51/02;23,26,27, 31,36,52/03	11411	36	20*,21,22,25,52/03	11526	10	20/03*
605	4	6/03	11350	25	43/03*	11412	33	2/03*	11527	16	37/02;20/03
606	1	17/03	11351	38	20*,22,23,25,27,30,31, 34,48,50,51,52/03;1,3, 5/04	11413	25	17/03*	11531	21	11,39/03
607	1	17,45/03	11352	36	3*,7,8,9,20,22,24,26,31, 34,44,48,51/03;1,3/04	11414	39	36/02;6,7,15,20,52/03	11532	20	37/02;39,43,50/03
622	9	47/02;6/03	11353	2	35,38,43,45,49,50,51/03; 18,20,21,26,27,31,34,43, 45/03;1,5/04	11415	34	38*,39,52/03	11534	32	17*,36,45,50/03
623	9	47/02;19,36/03	11354	24	26*,31,34,48,51/03;1/04	11416	30	36/02;7,15,20,52/03	11535	12	46/02;39/03
632	8	45/02	11355	25	38/03*	11417	35	38/02*,20,52/03	11536	16	38/03*,2,5/04
702	5	7/03	11356	35	38*,51,52/03;3,4/04	11418	14	7/03	11537	34	21*,23,26,35,36,43,45, 47/03;2/04
703	4	46/02;7,44/03	11357	36	38*,52/03;2,3,5/04	11419	16	7/03	11539	18	39,44,51/02;6/03
705	3	46,52/02	11358	52	41*,49,50,51,52/03;1,2,3,5/04	11420	8	15,22,25,39/03	11541	34	51/03*
706	4	44/03	11359	11	39/02,49,50/03	11421	21	47/02*	11542	15	39/02
707	2	34,44/03	11360	40	1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37,38, 49,50,51,52/03;1,2,3, 5/04	11422	32	52/02*,6/03	11543	22	39/02;8,38,39/03;1/04
708	3	34,36/03				11423	25	17/03*	11544	37	36/02*,8/03
709	2	50/02;19,25/03				11424	30	17/03*	11545	60	45*,47/02;6,8,14,22,23, 24,35,38,39,43,49/03; 1/04
1113A	20*	21,22,25,52/03				11425	36	7,8,21/03	11546	34	51/03*
1114A	39/02	4,9,11,12,13/03				11426	38	16,7,15,22/03	11547	35	37,47/02;6,8,14,22,23,35,
1115A	1*	,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37,38, 49,50,51,52/03;1,2,3, 5/04				11427	33	20*,21,22,25,52/03			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 5/04

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*	12343	18	37/02*/7,21,27/03	13286	29	39*,40,50/02;1,9/03	14187	2	38/03**
11555	38	36/02*;7,24,50/03;1,2/04	12345	10	42/02*;21/03	13288	40	36,43,50,51/02;29,42,44,	14188	1	42/03
12200	47	38*,42,52/02;7,12,18/03	12347	29	27,29,35/03	13290	35	45/03	14189	2	36,42,44/03;4/04
12201	25	N42,N52/02;N7,N12, N18,N24,N32/03;N1, N2/04	12348	33	27,29,34/03	13292	36	39*,42,44,49/03	14190	2	37,42/03
12204	35	10*,33/03;5/04	12350	57	39*,49/02;29/03	13292	36	36,40/02;7,16,29,42,44, 49/03	14191		N38/03*
12205	28	43*,50/03;5/04	12352	30	46/03*	13293	33	43,51/02;14,27/03	14192		N38/03*
12206	30	50/03*;2/04	12353	17	39/03	13295	11	2*,14/03	14193		N38/03*
12207	20	50,52/02;18,50/03	12354	40	38/03*;2/04	13296	25	43/02/27/03	14195		N42/03*
12208	9	23*,28,41,50/03	12358	19	46*,49/02;1,7,10/03	13298	10	43,52/02	14196		N38/03*
12210	36	8*,33/03	12362	16	49/02	13301	20	33,51/02;23,42,45/03	14197		N38/03*
12211	41	10/03*	12363	39	44/02;6,23,27,32,36/03	13302	21	41/02/2,7,9,32,42,45, 52/03	14198		N43/03*
12214	44	14*,19,52/03;2/04	12364	34	20*,23,25,27,32,36,39/03	13303	12	48/02*;7,9/03	14200	2	38/03**
12216	27	47/02*;19/03	12365	26	6,23/03	13305	28	40,41,49/02;2,7,9,36, 44/03	14201	15	38/03**
12221	75	48*,50/03;2/04	12366	27	51/02;20,27/03	13307	10	23,28,44/03	14203	12	42/03**
12222	44	26*,28,33,34,41,51/03; 2/04	12368	26	42/02*;24,25/03	13308	11	40/02	14204	21	38/03**
12224	23	8*,33,45/03	12369	25	44/02;32,35,36,43/03	13313	19	41,49,52/02;6,9,36/03	14205	7	38/03**
12225	54	22*,33/03	12370	18	39/02*	13315	11	49/02	14206	20	43/03**
12226	16	7/03	12371	23	27*,52/03	13316	22	28/03*	14208	28	38/03**
12228	29	43/02*	12372	31	45*,47,48/02;2,5,6,23,25, 36,45,49,52/03;2/04	13309	28	42/02*;9,32,52/03	14209		N38/03*
12230	61	3/04*	12373	14	2/03	13312	21	10/03*	14211		N40/03*
12231	26	35,46/02;7,30/03	12377	14	37/02	13313	19	41,49,52/02;6,9,36/03	14212		N38/03*
12233	35	3*,4,5,6,14,34,45/03	12378	14	2,13,23/03	13315	11	49/02	14213		N39/03*;N5/04
12235	29	47/02;4,6,7,17,33/03	12401	7	47/02/2,13,33,41/03	13316	22	28/03*	14214		N39/03*
12237	27	48/03*	12402	8	33,47/02;13,34,41/03	13318	18	38*,41,52/02;5,6,21/03	14215		N39/03*
12238	37	46/02*;1,4,7,19,25, 34/03/2/04	13000		N48,N49/02;N21,N26, N29/03	13321	9	20/03*	14216		N39*,N44/03;N5/04
12241	21	34,44/02;7,34/03/2/04	13003	47	36*,39,44,45,48,52/03	13323	7	5/03	14217		N43/03*
12245	62	30*,33,34,49/03;4/04	13006	31	36*,39,44,45,48/03	13325	14	2,29/03	14218		N39/03*
12248	40	44/03*;4/04	13009	30	42*,48,49/02;1,9,18,23, 36,39,44,45,48/03	13326	12	41,43/02	14219		N40/03*
12251	23	35/02;4,6,7,15,26/03	13200	33	37*,48/02;7,9,18,36,39,44, 45,48/03	13329	2	6/03	14220		N39/03*
12252	23	33,34/02;4,7,10,15,17,30, 35,45,49/03	13201	10	N37,N48/02;N9,N18, N36,N39,N44,N45, N48/03	13330	7	32,34,36,37,42,49/03	14221	26	40,46/02
12253	43	35/03*;2/04	13203	12	37/02;48/03	14007		N38/03*	14222	16	40/03**
12254	43	38*,43,44/02;30,34/03; 2/04	13204	12	44/03	14008	76	38/03**	14229		N39/03*;N5/04
12255	15	44/02;30,34/03	13205	36	37,42,45,48/02;1,5, 23/03;2/04	14010	5	35/02;26,32/03	14240	6	43/03**
12256	14	48/03*;2/04	13209	23	37/02;23/03;2/04	14014	82	1/04	14241	23	39/03**
12261	28	37*,44/02;7,18,22,48/03	13211	13	47/02;45/03	14024	5	33,36,39/02;12,22,36, 47/03	14242	13	40/03**
12263	52	35*,42,44/03	13212	35	9*,13,36/03;2/04	14040	65	40/02;34,49/03	14243	8	39/03**
12264	28	38/02*;7,42,44,48,52/03	13213	40	14*,25,36/03	14041	12	34,36,42/03	14244	5	39/03**
12266	27	20,30/03	13214	27	34*,45,48/02;5/03;2/04	14042	3	34,42/03	14245	4	39/03**
12270	32	9*,18,24,25,33,42/03	13215	17	45,48/02;1,5/03	14043	7	21,26,49/03	14246	6	39/03**
12272	29	36,45/02;13,16,30,33, 38/03	13216	1	N48/02;N2/04	14044	44	6,47,49/03;1/04	14247		N39/03*;N5/04
12273	54	47/03*	13218	38	42,45,51/02;5,46,50, 52/03	14046	2	47,49/03	14248		N40/03*
12274	33	37*,50/02;5,15,17,30, 33/03	13221	53	44,51/02;2,5,7,27,46, 49/03	14061	27	6,9/03	14249		N39/03*;N5/04
12277	32	35*,51/03	13222	13	45,48/02;4,6/03	14062	17	32,36/03;1,5/04	14250		N40/03*
12278	72	36,45/02;19,25,30,33, 38/03	13223	36	52/02;2,46/03	14066	19	6,34,42,47/03;5/04	14251		N40/03*
12280	4	52/03*;2/04	13224	36	44/02;5,27/03	14067	11	6/03	14252		N40/03*
12281	49	12,19,25,38,44,48,49/03; 1/04	13227	13	7,49/03	14081	21	36,47/03;2/04	14253		N40/03*
12282	34	43/03*	13228	11	51,52/02	14083	30	33/02	14254		N40/03*
12283	24	8,18,25/03	13229	27	39,42,45,52/02;1,7,19,48, 50,52/03;1,4/04	14085	6	49/03	14259	3	40/03**
12284	15	7,42,48/03	13230	46	2*,7,19,50,52/03;1/04	14087	58	33/02	14260	47	39/03**
12285	35	11*,14,19,22,34,36,45/03	13232	4	39,42/02	14088	10	41/02*;34/03;5/04	14263	15	40/03**
12286	29	2*,4,6,42,52/03	13233	16	10,39/03;4/04	14089	29	41/02*;34/03	14264	4	40/03**
12289	48	10*,19,22/03	13235	5	48/03;4/04	14090	2	33/02	14280	37	40/03**
12300	43	19*,39,44,48,49/03	13236	29	45/02;1,7,19,50/03;1/04	14091	6	41/02*	14310	2	40/03**
12301	21	N37,N39,N42,N45/02; N5,N17,N39,N44,N48, N49/03	13237	39	27*,39/03	14105	19	47/03	14328	6	47/03
12304	43	21*,26,48,52/03;2,5/04	13244	37	36*,42/03	14107	19	47/03	14329	5	32,47,49/03;1/04
12311	42	38*,48,51/03;1/04	13246	31	47/03*	14111	7	14,32,34,42,44/03	14340	25	33,37,40,52/02;12,22,30, 49/03;1/04
12312	52	10*,15,24,32,51/03;1/04	13249	12	22/03*	14112	5	32,42,44/03;1/04	14341	5	12,34,47,49/03
12313	49	35*,43,52/03	13253	18	3*,8/03	14115	2	47/03	14342	20	52/02;30,49/03
12314	30	46*,50/02;5,25,33,35/03	13260	39	36*,39,42,45/03	14116	2	32,38,42,49/03	14344	2	37,40/02;42,22,49/03
12316	29	2*,6,32/03	13263	7	N36,N43,N48,N49/02; N1,N7,N9,N18,NP21, N23,N26,N29,N36,N39, N42,N45/03	14117	17	1/04	14345	5	37,40/02;12,22,49/03
12317	31	37,50/02	13274	25	43/03*	14143		N38/03*;N4/04	14349	7	42,47/03;5/04
12318	41	9*,32,44/03	13275	28	45/03*	14144	29	38/03**	14353	3	42/03
12323	23	40/02;4/03	13276	22	36/03*	14145	2	47/03	14354	2	32,42,50/03
12324	30	2*,8,49/03	13277	103	36,49/02;9,P21,26,29,39, 42,49/03;5/04	14146	2	32,49/03	14355	3	50/03
12326	49	35*,49/03	13278	31	47/03*	14147	17	N42/03*	14357		N52/02;N49/03;N4/04
12327	97	48*,49/03	13279	60	50/03*	14175		N43/03*	14358		N36/02;N34,N47/03;N1, N5/04
12331	30	8*,13,14,18,33/03	13272	47	40/02;8,25,35/03	14176		N38/03*	14364	6	4/04
12332	21	43,46/02;13,18/03	13274	25	43/03*	14177		N40/03*	14373	2	34,49/03;1,4/04
12333	33	44*,49/03	13275	28	45/03*	14178		N40/03*;N5/04	14380	19	49/03
12334	66	30*,34,36/03	13276	22	36/03*	14180	38	42/03**	14386	3	36/02
12335	40	47/03*	13278	25	1,9,32,39/03	14181	3	43/03**	14404	4	47/03
12337	22	45/02;13,18/03	13279	30	20*,32,39/03	14183	15	38/03**	14415	4	33/02;36/03
12338	9	21/03*	13282	11	21*,39/03	14184		N32,N44,N47,N49/03	14420	27	40/03**
12339	44	50/03*	13283	18	1,9/03,4/04	14185	2	40/03**	14500	27	52/02*
12341	26	36/03*	13285	10	20/03;4/04	14186	2	40/03**	14756		N50/03
									14758		N32,N49/03
									14773	16	26/03
									14774	16	15/03

## SECTION I

NM 5/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 33/02 THROUGH NM 5/04**

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.
14782	24	47/03	14988	10	41/03*	16598	9	43/02;1/04	17472	4	5,14,36,41/03
14784	19	47/03	14995	11	52/02*	16599	6	43/02;1/04	17480	4	43/02;5,10,36/03
14786	13	49/03	15043	3	34,47/03	16601	10	1/04	17482	N7,N14,N41/03	
14803	26	5,49/03	15044	3	34,47/03;1/04	16603	8	48/03*	17483	N41/03	
14804	24	5/03	15046	4	47/03	16604	11	1/04	17484	3	41/03
14813	21	2*,49/03	15061	3	50/03	16605	8	1/04	17485	4	41/03
14815	22	43/03	15064	1	50/03	16606	11	37/02*;21/03;1/04	17489	19	43/02
14816	23	5/03	15066	5	32,47/03	16608	4	46/03*	17495	2	43/02
14820	19	11/03*	15067	2	47,49/03	16640	24	21/03;1/04	17503	4	43/02
14822	31	10/03*	15069	4	47/03	16645	18	1/04	17513	N42,N43/02;N15/03	
14823	30	1/03*	15070	3	49/03	16646	12	8/03;1/04	17515	7	6,15,16,36,43/03
14824	26	5/04*	15080	1	47/03	16647	3	1/04	17517	8	6,15,16,34/03
14826	27	4*,49/03	15160	5	50/03	16648	4	1/04	17518	7	P44,48/02;16,18,20,41, 47/03
14829	5	49/03	15163	2	50/03	16660	28	42/02;6,16,47,49/03	17519	13	16/03
14830	30	31*,34,47/03	15313	1	15/03	16663	6	42/02;6,16,47,49/03	17520	2	N6,N16,N34/03
14832	34	52/02*;49,51/03	15562	N41/02;N16/03		16665	7	42/02;6,16,47,49/03	17521	N15/03	
14833	25	43,49,51/03	15569	N23/03		16680	10	6,32,37/03	17522	N15/03	
14835	31	39/02	15570	N23/03		16681	10	37/02*	17523	N15/03	
14836	27	42/02*	15585	N14/03		16682	15	8*,17,19,37/03	17524	N12,N15,N49/03	
14837	27	3/03;5/04	15690	N35/03		16683	9	3,6,17,32,37/03	17525	N15,N43/03	
14838	3	52/02*	15880	N41/02		16700	28	40*,43,50/03	17526	N15/03	
14839	36	9*,43,49,51/03;5/04	15946	N47/03		16701	19	37/03*	17528	N43/02;N6,N12/03	
14842	13	46*,51/03	15954	N47/02*		16702	11	37/03*	17541	3	43/02
14843	22	39,51/02;43,51/03	16003	16	13,36,48/03	16705	19	49/02;16,43/03	17542	6	47/02
14844	31	4,51/03;5/04	16004	11	13,17,48/03	16707	10	34,37/02;16,20/03;5/04	17543	17	41/02;43/03
14845	26	4,51/03	16005	9	36,48/03	16708	25	37,49/02;16,20,50/03	17545	13	43,47/02;43/03
14846	11	39,40/02;2,43,47/03;5/04	16006	33	6,32,35,36/03;1/04	16709	22	49/02	17546	22	42,43,47/02;24,34,35, 43/03
14847	30	40/02;43,47/03	16011	35	38/02;8,29,31,32,35,44, 50/03;1/04	16712	1	16/03	17548	28	16,43/03
14848	56	9,17,21,22/03	16012	21	38/02;34,50/03	16713	2	49/02	17549	6	47/02;15,03;3/04
14850	52	2/04*	16013	28	52/02;21,29,32,34,35,41, 44/03	16741	9	46/02	17550	4	42,43,P44,45,47,48, 52/02;43/03;3/04
14852	45	19*,21/03;2/04	16014	19	34/03	16760	10	51/02;28/03	18000	8	45/02;6,10,21,36,44/03
14853	14	26/03*	16016	19	34/03	16761	16	28/03	18002	6	N45/02;N2,N6,N10,N21, N36,N44/03
14854	13	17/03	16041	8	48/03	17003	4	47,52/02;24,35,36/03	18003	19	22*,41,43/03;3/04
14864	26	37/02;1/04	16042	7	39/02*	17005	10	41,45,47,52/02;24,34,35, 43/03;3/04	18005	4	N34/02;N6,N10,N13, N21,N26,N40/03;N4/04
14865	16	4/03	16042	8	37/02*	17008	12	43/02;36/03	18006	3	N6/03
14867	26	39/03*	16061	8	37,49/02;13,17/03	17300	30	52/02*;21,39/03	18007	31	33,34,37,38,39,40,47, 52/02;18,22,24,26,35, 41/03;4,5/04
14871	2	34/03	16067	7	1/04	17302	18	51/02;49/03	18008	7	N33,N34,N37,N38,N39, N40,N47,N52/02;N18, N22,N24,N26,N35,N37, N41/03;N4,N5/04
14873	2	35/02	16081	6	1/04	17303	9	37/02	18009	2	N34/02;N6,N13,N26, N40/03
14880	30	33/02;4/03	16082	6	1/04	17315	23	2*,16,21,25/03	18010	20	33,34,37,38,39,40/02;6, 13,26,33,40,47/03;4,5/04
14881	31	33/02	16083	5	1/04	17316	20	3,25/03	18020	37	47/03*;1,4/04
14885	20	51/02	16087	7	5/04*	17318	5	39/03	18022	34	3*,4/04
14886	11	41/03*	16124	6	3/04*	17320	15	13,29,34,39/03	18400	44	41*,43,47,49/03;3/04
14901	14	52/02*;5/03	16200	13	36/03	17322	10	13,22,29,39/03;5/04	18401	12	34/03
14902	28	4/03	16206	7	46/03;5/04	17323	10	13,22,29,39/03;5/04	18403	21	6,20/03
14903	23	31/03*;2/04	16220	5	36/03	17324	13	39/03;5/04	18405	12	43/02;16/03
14904	26	40/03*;1/04	16300	8	52/02;3,8/03	17325	7	29/03	18406	5	16/03
14905	30	45/03*	16305	9	8/03;1/04	17327	21	46/03*	18409	8	41/03
14906	23	5/03	16315	10	1/04	17333	8	3/04*	18411	N16,N20/03	
14909	19	49/03	16322	7	8,46/03;1/04	17336	33	31*,36/03	18412	10	20/03
14910	23	17/03*	16323	9	3/04*	17370	10	3/04*	18413	15	20,22/03
14911	20	4/03	16338	3	1/04	17372	11	48/03*	18414	9	20/03;3/04
14912	17	31/03*	16343	7	1/04	17375	20	50/03	18415	8	42/02;7,22,32,39,47, 50/03;3/04
14913	18	31/03*	16363	12	38/02*	17382	15	20*,36/03	18416	6	P44,48/02;22,46/03
14915	25	28/03*	16381	8	2,25/03	17383	1	49/02;8/03	18418	6	15/03
14916	10	45/02*;17/03;1/04	16420	10	46/03*	17384	7	44/02	18419	11	47/02;12,46/03;1/04
14917	23	3/03	16423	2	47/03	17385	14	14/03*	18420	1	22,47,49,50/03
14918	26	17/03;1/04	16431	7	50/03*	17400	16	36/02;10,12,44/03	18421	46	50/03*
14919	27	1/04	16432	11	3/04*	17401	10	1,36/03	18423	33	1*,5,7,9,15,18,30,32,34, 36,38,39,43,45,47,49/03
14922	19	51/02;9/03;5/04	16440	13	37/02	17402	10	46/02*	18424	25	7,45/03
14924	27	5,49/03;2/04	16441	7	37/02	17405	14	12,25,46/03	18427	21	35/02*;7,19,45/03
14926	10	33*,47/03	16442	7	41/03*	17406	6	25/03	18429	9	3*,22/03
14927	24	35,37/02;47/03	16463	7	3/04*	17409	10	39/02*;44/03	18430	8	5/04*
14928	21	4/03*	16478	10	5/04*	17412	2	49/03	18431	6	2/03*;1/04
14929	24	14/03*	16480	10	38/02;34,50/03	17413	2	43,50/02;10,44/03	18432	5	14/03*
14930	24	45/02;1/04	16500	9	9,33/03	17414	3	41/02	18433	5	2*,22,32,36/03
14931	24	35/02*	16520	21	2,31,33/03	17416	3	10,14/03	18434	5	2/04*
14932	23	26/03*;1,5/04	16528	16	9,33/03	17420	26	36,37,42,43,50/02;1,10, 12,14,20,36/03	18435	27	3/04*
14933	24	35*,37/02;1/04	16529	14	50/02;9,33/03	17422	8	52/02*	18436	11	39/02;10,14,15,21,36/03
14934	27	17*,26/03;1/04	16530	6	50/02;33/03	17426	13	37/02;1,16,20/03	18437	1	22,47,49,50/03
14935	21	1/04	16535	12	2,21,31/03	17427	7	21,36/03	18438	4	47/03*
14937	24	52/02*;2,17/03	16549	15	41/03*	17428	7	5,36,43/03	18439	5	14/03*
14938	23	1/04	16553	3	17/03	17429	2	N38/02*	18440	5	39/02*
14942	25	35/02;1/04	16556	4	8/03*	17430	10	5,36/03	18441	43	39*,45,47,51/03
14961	12	3/04*	16561	1	29,35,44/03	17434	11	5,36,43/03	18443	15	39/02;6,34/03
14963	20	51/02	16566	10	29,44,49/03	17435	16	40,49/03	18444	15	39/02;34/03;1/04
14965	21	11/03*;2/04	16568	12	39/02*	17445	2	10,14,36/03	18445	29	33,39/02;6,7,9,10,15,18, 22,25,28,34,36,38,42,45, 47,51/03;1/04
14966	25	14*,21,49/03	16575	1	39/02;1/04	17446	6	20/03			
14967	22	5/03	16576	4	47/03*	17437	8	21/03			
14970	25	40,46,51/02;1/04	16580	11	39/02;1/04	17438	12	50/02;10,14,15,21,36/03			
14972	25	1/04	16590	10	38/02*;1/04	17441	7	10,15/03			
14973	27	15/03*	16591	8	1/04	17443	12	10/03			
14974	24	5/04	16592	9	16/03;1/04	17445	2	10,14,36/03			
14975	33	52/02*;43,49/03	16593	11	14/03*;1/04	17446	N10/03				
14983	9	46/03*	16594	13	2/03;1/04	17460	N5,N36,N49/03				
14985	9	4/03*	16595</								

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 5/04

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.
18446	16	47*,51/03	18685	32	36*,46/03	21011	5	2/03	22205	2	12,18/03
18447	26	52/02;6,7,10,18,47/03	18687	13	8/03*	21014	72	42,50,52/02;2,3,4/03	22221	20	12,31,34/03;1/04
18448	33	1/04*	18700	22	40/03*	21017	50	41,50/02;4,5,6,9/03	22222	1	4,12,31/03;1/04
18449	18	50*,51/03	18703	25	40/03*	21020	42	41/02;5,6,7/03	22225	2	12,18,40/03
18450	17	9*,44/03	18704	12	37/02	21021	3	45/02;13/03	22233	29	13,18,25,37/03
18452	16	34,38/03	18720	31	35/02;4,6,10,12,25/03	21023	41	34/02;7,8,9/03	22234	1	1/04
18453	24	14*,25,36,38,42/03	18721	11	35/02;6,10,39/03	21033	46	1,16/03;1/04	22250	2	42/02;12,18/03;4/04
18455	2	N39/02;N15,N34,N38/03	18723	3	6/03	21036	7	1,16/03;1/04	22251	11	12,28/03
18458	15	19*,28,34,38/03	18724	1	22*,25/03	21120	27	47,50,51,52/02	22252	18	2/04
18459	5	N39/02;N9,N15,N28, N34,N38/03	18725	27	32/03*	21121	18	47/02	22259	4	20,24/03;2/04
18460	11	2*,6,7,43/03;3/04	18740	40	46*,49/03;1,5/04	21122	5	47/02	22263	1	26,37/03;4/04
18464	23	24*,30/03	18741	18	N45,N50/02;N12,N27, N38/03;N1/04	21125	13	51,52/02;36/03	22264	2	42/02;13,18,20,24,26,37, 41/03
18465	35	2*,15,30/03	18744	30	37/02;35/03	21140	1	45,50/02;12,27,36/03	22275	3	42/02;12,18,26/03;2/04
18468	17	7/03	18746	34	34/02;5,13,41,49/03;5/04	21141	23	48/02	22281	9	12,18/03;4/04
18471	9	36/03*	18749	38	40/02;5,6,16,21,26,28,31, 39,41,49,50/03;5/04	21160	1	45/02	22282	17	12/03;4/04
18473	7	4*,18,19,34,38,45,47, 51/03	18751	42	40/02;5,6,16,21,26,28,31, 39,46,49,50/03;5/04	21161	19	43,48/02	22283	3	N12/03;N4/04
18474	8	5/04*	18754	17	39*,43/03	21180	1	2,7/03	22284	7	N5/04**
18475	1	35/03	18757	10	13,41/03;5/04	21182	34	39/02	22286	1	5/04*
18476	4	39/02;7,9,28,34,38/03	18758	6	35/02*;16,33,49/03;4/04	21200	1	2/03	22290	4	18,30/03
18477	5	7/03	18760	6	N34,N35,N45,N50/02; N6,N25,N35,N36, N44/03;N1/04	21301	13	3,12/03	22293	15	18,26,37,38/03
18480	29	2*,6,7,43/03;3/04	18761	2	N1/04	21342	28	41,44/02	22294	15	12/03
18484	10	40/02;15,29/03	18762	15	1/04	21384	3	6/03	22305	2	18,24,30,34/03
18485	15	2*,10,29/03	18763	9	1/04	21401	20	7/03	22311	19	8/03
18500	28	39/02;12,22,28/03	18765	15	45,50/02;12,27,46/03	21441	27	34,44/02	22312	2	13,30/03
18502	84	39,42,49/02;9,21,28,29, 42,47,52/03	18766	7	45,50/02;12,27,36/03	21478	3	9,16/03	22313	2	44/02;8,18,38,40/03
18504	65	19*,35/03;3/04	18768	4	N45,N50/02;N12,N27, N36,N38/03	21482	1	36,46/03	22314	1	44/02;40/03
18520	24	33,39/02;22/03	18769	2	N1/04	21510	1	9,16/03	22322	11	33/03**
18521	70	5/04*	18772	47	21*,48/03	21520	1	29/03	22331	2	N10,N19,N24/03;N1, N2/04
18523	54	5/04*	18773	39	40*,41/03;4/04	21521	14	29/03	22335	4	19,52/03
18524	33	33/02;4,6,10,24,29,47, 52/03	18774	10	35/02*;10,16,49/03;4/04	21525	19	38/03	22341	9	43/02;11,21,29,52/03; 2/04
18525	33	33/02;4,9,29,52/03	18775	2	N1/04	21563	3	45/02	22342	9	21,29/03
18526	55	33/02;4,18,29,52/03	19002	9	N37,N51/02;N16,N23, N29,N46/03	21580	40	52/03	22343	1	N43/02;N10,N11,N21, N41,N52/03;N2/04
18527	21	48/03	19004	36	35,37,51/02;23,29,30, 46/03	21581	5	41/03	22344	6	N23*,N52/03
18528	10	52/02*;18/03	19007	16	51/02;16,23,29,30,46/03	21584	2	41/03	22345	11	42/02;24/03
18529	10	52/02*	19008	4	16,23,29,46/03	21601	4	31/03	22347	6	N23/03*
18531	20	34/02;9,10,48,52/03;2/04	19009	4	16,23,29,46/03	21603	9	5,31,36/03	22351	1	N43/02;N12,N35,N41, N52/03;N2/04
18532	20	10,52/03	19010	17	45*,51/02;23,29/03	21604	25	4/04	22352	6	12,19,24,35,52/03;1,2/04
18545	15	50/03*	19013	16	51/02;29,30,46/03	21605	7	31/03	22360	2	19,52/03;2/04
18548	5	8/03*	19016	10	3/04*	21661	12	6/03	22361	2	N10,N30,N32,N33,N34, N52/03;N2/04
18558	37	39/02;48/03;1/04	19019	9	28/03*	22004	38	34,36,39,41,43,52/02;16, 29/03/2/04	22370	2	15,19,26,30,33,34/03; 2/04
18561	11	33,39/02;10,51/03	19020	17	29/03	22008	35	34,36,39,41,43,44,48, 52/02;6,14,17,29,32,38, 47/03	22371	5	30,32,33,52/03;2,4/04
18580	21	33,38,39/02;51/03	19022	10	12/03	22036	28	47/02;51/03;2/04	22373	1	N50/02;N10,N24,N30, N32,N33,N34/03;N3/04
18581	17	49/02*;4,36,50,51/03	19023	16	35,37,51/02;5,16,23/03	22050	4	12,26/03	22375	1	N10,N13/03;N2,4/04
18583	38	33,42,49/02;12,23/03	19024	22	35/02;5,23/03	22051	18	5/04	22377	1	N50/02;N10,N30,N32/03
18584	47	39,49/02;4,6,30,48, 52/03;1/04	19025	10	23,43/03	22052	6	46/02;25,34,43,47/03	22379	1	N50/02;N10,N30,N32/03
18587	68	33,39,42/02;4,6,9,10,21, 27,36,52/03;1/04	19027	9	27/03	22082	4	13,25,38/03	22381	1	N43/02
18588	37	22*,36/03	19031	7	23,43/03	22084	4	42/02;35,37/03	22395	2	42/02;15,19,22,26,30/03
18589	15	44/03	19033	1	N35,N49,N51/02;N5, N13,N30,N47/03	22090	2	43/02;4,17/03	22401	4	N23*,N30/03
18600	14	33,37,38,40/02;44,47/03; 5/04	19040	26	35,49,51/02;5,13,29,30,	22100	3	12/03	22403	1	N45/02
18601	13	10/03;1/04	19047	36	34,47/03	22101	19	43/02;37/03	22404	15	46/02
18602	12	26*,47/03;1/04	19347	17	29/03	22102	19	17/03	22406	1	N1/03
18603	16	9*,10,03/5/04	19348	7	29,43/03	22111	4	17/03	22407	1	N4,N11,N18,N30/03
18620	23	35/02*;4/04	19353	12	27/03	22112	3	43/02;17,37/03;5/04	22408	1	N10,N21/03
18622	52	49/02;21,25,27,35/03	19357	22	42*,49,51/02;5,13,30,36, 47,50/03	22113	8	12,17/03;5/04	22409	4	N45/02;N10,N17,N22/03
18623	11	34/02;4/04	19359	10	12,16,47/03	22114	5	42,43/02;17,33,37/03; 5/04	22410	32	43,44,46/02;19,23,40/03
18626	15	37/02;10/03	19360	1	N37,N51/02	22117	3	37/03;5/04	22412	2	2,4/04
18640	24	26,38,42/03;4/04	19361	8	5/04*	22120	3	34,36,39,41,43,52/02;29, 32/03	22413		N45/02;N22/03
18643	17	26*,33,41,43/03	19362	12	49/02	22121	9	34,36,44,52/02;29,32,47, 51/03	22415	8	2,4/04
18645	24	50/02;33,38/03;5/04	19366	36	49/02;5,50/03	22124	2	39,41,43/02;25,40,47/03	22417	1	N10,N25/03;N1/04
18647	15	2/03*	19367	37	49/02;10,50/03	22124	2	39,41,43/02;25,40,47/03	22418	2	36,44,46/02;19/03
18649	63	48*,50/03;2,5/04	19369	5	49/02;10,36,50/03	22125	1	36/02	22420	2	4,11,15,19,30,40/03
18650	52	47/03*	19379	1	N51/02;N5,N13,N30, N46/03	22126	1	36/02	22421	4	N43,N44,N46/02;N11, N23,N25,N26,N27/03; N4/04
18651	42	15*,48/03	19380	14	51/02;5,13,30,46/03	22130	2	44/02;14,17,29,32,38/03; 2/04	22423	3	N11,N25,N27/03
18652	32	36*,40,43,46,48,49/03; 5/04	19381	8	49,51/02;26/03	22138	2	41,44,48/02;6/03	22424		N27/03
18653	9	36,38,41/02;4,6,21,43, 50/03	19382	15	26/03	22140	2	34,36,44/02;25,47/03	22425	2	44,46/02
18654	42	38,49/02;12,16,35,46, 48/03;5/04	19383	17	49/02;5/03	22142	2	39,41,43/02;25,40,47/03	22427	1	N43,N44,N46,N50/02; N11,N23,N25,N26, N40/03
18655	58	49/02;12,16/03	19385	8	3/04*	22143	4	26*,29/03	22429		N46/02;N10,N14,N17, N19,N27/03
18656	53	19*,21,33,40,43,48/03	19388	2	N46/03	22145	2	N41/02;N25/03	22430	6	19/03
18657	18	4,21,40/03	19401	8	10/03*	22160	2	34,39,41,48,52/02;25/03	22433	3	39,47/02;11,14,35/03
18658	29	4,21,33,40/03	19402	6	9/03*	22170	3	39/02;6/03	22434	2	35/03
18659	14	49/02;7,16,21,43,48/03	19421	7	8/03*	22172	8	48/02*;4,6,29/03	22436	2	39/02;10,14/03
18660	2	29*,43,49/03	19441	7	28/03*	22173	36	48/02*;6,17,29/03	22440	1	19/03
18661	27	15*,16,43,49/03	19442	5	14*,26/03	22180	2	34/02;32/03	22441	31	44/02;2/04
18662	20	7,43,44/03	19461	7	10/03*	22181	16	39,41/02;29/03;2/04	22448	35	43,44/02;19/03;2/04
18663	5	14*,43/03	19483	6	11/03*	22182	6	34/02;14,29/			

## SECTION I

NM 5/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 33/02 THROUGH NM 5/04**

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.
22482	16	44,50/02;23/03	24293	6	36/02;37,42,46/03	25666	17	17/03	28223	4	35,39/02
22492	3	34/03	24294	22	36/02;37,46/03	25667	20	15/03	28260	30	35,37/02
22521	3	12,17,34/03	24320	4	34,43/02;6,17/03	25668	18	48/02;13,34/03	28263	3	35,37/02
22523	3	12,17,34/03	24321	3	6/03	25670	42	2/04*	28264	3	35,37/02
22529	3	12,17,35/03	24322	6	34/02;6,17/03	25671	18	21/03*	28265	3	37/02
22531	2	12,17,35/03	24350	2	51/02;18/03	25673	15	42/02;43/03	28281	32	36/02
23000	5	51/03	24355	2	51/02;25,37/03	25675	9	20/03*	28282	2	35/02
23010	4	38/02	24360	1	25/03	25677	20	32*,39,52/03	28300	1	39,50/02
23020	4	22/03	24370	1	34/02;48/03;1/04	25679	10	20/03*	28302	16	33,39,40/02;12/03
23030	6	38/02;21,22,37,42/03	24375	2	34/02;38/03	25681	16	28*,34,39/03	28310	2	33,35,39/02
23121	7	17,20/03	24376	1	38/03	25683	18	32*,34,39,52/03	28320	6	33/02
23122	8	33/02	24380	2	35/02;48/03;1/04	25685	9	22*,52/03	28325	2	5/03
23124	3	N17,N20/03	24388	2	35/02	25687	12	30/03*	29002	9	18,29/03
23125	4	17/03	24404	8	35,44,48/02	25700	3	15/03	29015	5	16/03
23131	7	12,22/03	24405	10	35,36,44,48/02	25720	3	33/02	29040	3	39,48/03
23141	7	34/02;22,37/03	24406	30	2/03	25800	3	36/02	29105	5	49,50/03
23142	10	8,37,47/03	24408	21	36,44,48/02	25841	9	36/02	29107	2	29,36/03
23145	3	37,51/03	24410	2	44/02	25848	25	5,13,15/03	29127	4	29,39,42/03
23150	10	37,52/02	24430	5	39/02;8,11,31,52/03	25849	13	42/02;12/03	29141	3	29,39/03
23151	3	12/03	24431	14	39/02;31,52/03	26001	4	9/03	29142	3	7/03
23152	3	37/02;12/03	24433	3	52/03	26050	1	34/02;26,47/03	35000	26	47,48/02;14/03
23153	8	12,13,49/03	24434	4	39/02;52/03	26060	1	49/02;42/03	35008	21	45,48,50/02;5,25,27/03
24004	36	41,42,46/03	24450	3	26,47/03	26068	11	18,50/03	35009	19	40,41,45/02;5,10,14,49/03
24016	53	39/02	24453	5	26/03	26081	8	46/02;16,42,43/03	35011	2	48/02;1,25/03
24024	46	18,25/03	24454	5	5,26/03	26100	4	31/03	35036	21	36/02;10,15,27,43/03
24028	6	48/02	24460	4	39,47/02;15,29,32,47/03	26122	30	22/03*	35040	18	45/02;4,8,10,14,21,49/03
24050	11	34,38,49/02;20,31,32,33,	24461	4	16,38,47/03	26125	3	41/03	35041	8	35/02;4/03
		51,52/03	24462	5	47/02;16,29/03	26127	21	49/02;5/03	35042	9	44/02;4,14,49/03
24052	15	37,38/02;14,19,21,30,42,	24463	6	39/02;12,15,25,26,38/03	26128	50	49/02;5/03	35044	9	38/02
		44,50/03	24465	6	33,47/02;38/03	26129	11	41/03	35047	5	35/02
24053	16	19/03	24469	1	46,47/02;13/03	26142	10	33/02	35060	14	40,41/02;10,14,49/03
24055	6	37,49/02;14,19,21,42,50,	24470	4	39,47/02	26210	2	36/02	35080	16	40/02;49/03
		51,52/03	24471	8	47/02	26218	2	31/03	35081	15	22,27/03
24057	4	38,49/02;20,30,33,42,	24480	1	41,44,45,49/02;24,27,42,	26219	5	31/03	35082	7	22,27/03
		52/03;4/04			48/03	26229	11	31/03	35083	8	20/03
24058	2	37,38/02;19,22,28,29,30,	24482	2	49/02;31/03	26230	12	31/03	35084	15	50/02
		42,44/03	24483	2	49/02	26240	7	9/03	35086	5	22/03
24060	2	34/02;17,32/03	24484	3	49/02;31/03	26244	3	9/03	35088	2	50/02
24080	5	17/03	24490	3	25,27/03	26245	16	51/02;15/03	35099	3	41/02
24091	6	6,21,46/03	24491	3	27/03	26259	2	51/02	35100	14	40,45/02;5,30/03
24092	14	6/03	24492	20	46/02	26261	27	8/03	35101	6	41/02
24100	5	46/03	24501	3	27/03	26262	3	8/03	35103	5	41/02
24101	3	37,41/02	24502	6	46/02;27,34,47/03	26282	6	22,23,34/03	35120	13	40,45,47/02;5,30/03
24102	3	37,41/02	24504	7	41,45,46/02;42,48/03	26290	1	21/03**	35130	3	48,51/02;5/03
24110	3	35/03	24508	3	22/03*	26295	1	21*,22,34/03	35135	1	5/03
24130	14	5/03	24509	2	45,50/02;15,25,34,42/03	26300	7	21/03*	35136	2	48,51/02
24133	6	31/03	24510	2	41,45,46,50/02;42/03	26308	5	21*,22,23,34/03	35141	11	34/02
24140	18	41,42,46/03	24511	2	24,42,48/03	26310	1	N48/03*	35143	7	34/02
24141	4	5/03	24512	3	44,46/02;24,25,38,42/03	26312	2	21/03	35144	3	11/03
24142	43	5,6/03	24513	18	46/02;38,42/03	26316	3	21/03	35150	3	48/02
24149	1	52/03	24517	2	46,49/02;25,40,42/03	26320	5	35/02;7,12,22,23,25,31,	35155	3	25/03
24150	27	41,47/03	25001	7	15,52/03	26323	4	1/03	35163	7	44/02
24151	4	41/03	25017	9	15,25,31,34,39,52/03	26327	2	N41/02*N17/03	35166	4	35/02
24152	2	41,47/03	25400	1	35,48/02	26705	4	6,8,9,22,23,34/03	35167	3	35/02
24153	6	39,47/03	25480	1	42,46/02;52/03	27040	5	9/03	35169	2	35/02
24155	6	46,49/03	25485	45	36/03	27041	4	50/02	35200	7	48,51/02;5,25/03
24160	21	47/03	25487	2	36/03	27042	21	41,42/03	35236	2	38,50/02
24161	11	42/02;7,28,32,39,40,	25524	43	33/02;1,5,20,24,26,32/03	27060	2	22,23,34/03	35246	2	38,43/02
		47,52/03	25525	17	15,26/03	27080	4	15,22,39,52/03	35247	4	50/02
24164	6	39,41,47/03	25526	2	33/02;24,32/03	27081	6	49/02	35255	3	50/02;14/03
24170	14	5,6,35/03	25527	31	33/02;24,32/03	27082	6	49,51/02	35256	2	14/03
24171	19	5,6,37,52/03	25528	5	42/02	27083	39	28/03;4/04	35270	2	38,46/02
24172	4	5,6/03	25550	2	21/03	27084	4	13/03	35276	3	46/02
24180	15	8,40/03	25563	50	33/02;14,18,21/03	27102	11	28/03	35277	3	38,46/02
24201	5	49/03	25566	27	18,30/03	27120	4	41,43,44/02	35279	3	38/02
24202	6	31,35,46/03	25567	16	21/03	27142	5	9/03	35299	9	13/03
24203	36	49/03	25570	3	16/03	27160	2	8,13,35/03	35301	6	17/03
24210	14	42/03	25575	4	35,39/03	27161	4	8,13/03	35302	7	17/03
24220	14	39/03	25600	47	25,27/03;1/04	27163	21	49/02;8/03	35303	7	40/02;17/03
24222	3	39/03	25607	4	39/02;48/03	27183	8	1,9/03	35308	5	10/03
24223	33	39/03	25608	21	16,26,34,38/03;1/04	27186	8	1,9/03	35330	2	38,41/02
24230	20	52/03	25609	5	1/04	27188	1	45/02;8,9,22/03	35350	2	38,41/02
24233	15	36,43/02	25610	8	2/04	27200	1	8/03	35402	3	38/02
24234	3	35/03	25611	22	1/04	27806	1	8/03	36005	2	34,36,38,45,46/02;P12,
24240	5	39/02;7,39,46,52/03	25613	2	25,27,47/03	28050	3	34/02;26,42,47/03			14,17,24,25,27,31,43,
24250	5	39/02;7,39/03	25640	40	15,25,31,34,39,52/03	28084	4	17/03**	36010	27	38/02;5,15,16,20,23,
24251	23	34,43/02;6,39/03	25641	26	1/04	28150	3	8/03			43/03
24252	5	39,43/02;6,39/03	25644	13	20/03*	28154	2	38/03	36015	2	36,46/02;27,44/03
24260	5	34/02	25646	7	N42/02	28190	2	41,43,45,46/02;18/03	36040	16	1,15/03
24270	3	17,29/03	25649	19	44/03*	28196	4	41,43,45,46/02;18/03	36046	5	38/02
24271	14	17,29/03	25650	33	25,30,31,39/03	28197	4	45/02;18/03	36060	17	38/02;5,8,20,21/03;2/04
24274	2	17,29/03	25653	13	8/03*	28202	22	41,44/02	36061	5	46/02;20/03
24290	3	36,43/02	25659	9	20/03*	28210	2	33,35,39,41/02	36062	11	40*/46/02
24291	4	36/02	25663	27	17,30,39/03	28220	2	35,39/02	36098	6	5/03
24292	4	36/02	25664	15	17,30,39/03	28221	18	33,37,39/02;5/03	36102	6	13/03

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 5/04

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36103	9	13/03	37136	6	38,46,50,51/02;30/03	37362	6	43,48,51/02;1,2,4,17,22,	43146	2	48/02;34,35,44/03
36104	6	13/03	37137	6	46,48/02;30/03	37363	8	32,33,38,39/03	43147	3	35,38/03
36106	7	47/02;5,13/03	37139	8	1/03	37367	1	48/02;4,17,32/03	43148	4	43/03
36118	3	5/03	37140	33	35,49,51/02;4,6,16,24,25,	37380	2	34,40,42,43,44,48,51/02;	43150	2	N34,N35,N38,N41/03
36120	9	46/02;5,8,16,23,27/03			30,32,42,43,44,45/03	9,10,17,21,38,39,41,			43160	6	34,35,36,38,41/03
36123	25	46/02;11,16/03	37141	29	36,40,48,51/02;1,4,12,17,	43/03		43161	2	41,44/02;35,41/03	
36124	18	16/03			19,24,27,31,45/03			43162	3	41/03	
36125	7	4,30/03	37145	23	46,50/02;4/03	37400	10	34,38,40,41,44,46/02;6,	43163	3	44/02;41/03
36137	4	38/02	37147	15	35,36,40/02;1,10,12,16,			43164	3	48/02;6,34/03	
36138	3	39/02;4/03			17,19,25/03	47/03;1/04		43166	2	43/03	
36139	4	4/03	37148	13	35,38/02;4,10,11,27,	37401	9	44/02;4,6,13,14,16,22,31,	43167	5	36,42,44/03
36140	12	36,41/02;4,10,27/03			51/03	36,43,44,47/03;1/04		43168	2	36,42/03	
36141	7	4/03	37149	10	44/02	37402	7	41,42,44,50/02;4,13,	43180	5	9,44/03
36143	4	34/02;5,30,43/03	37150	8	14,19,26,27,32,33,35,37,			43181	3	43/03	
36161	10	34,44,45,47,50/02;4,10,			39,41,43,46/03	43/03;1/04		43182	4	47,52/02	
		18/03	37161	14	34,43/02;1,14,19,24,41,	37420	1	34,43/02;1,7,41/03	43204	4	36/03
36162	10	35,45,47,50/02;4,18/03			43,46/03	37421	8	14,21,41/03	43223	4	41/02
36163	13	34,35,38,44,45,47,50/02;	37162	12	21,26,27,30,32,33,35,37,	37423	5	14,21,41/03	43225	4	52/02
		4,18/03			39,40,41,43,45,46/03	37443	2	38,45/03	43240	4	50,51/02
36164	7	34,38,44,46/02;8,15/03	37163	19	32,43/03	37445	1	48/02;1,34,38/03	43242	4	52/02
36165	6	36,44/02;10,27,30,43/03	37164	4	23,26,27,30,32,35,37,43,	37446	2	1,34/03	43243	4	50,51/02
36167	2	40/02			46/03	37461	9	51/02;6,20,25,36,50/03;	43247	5	44/03
36173	1	40/02	37165	2	34,36/02;10,12,13,15,21,			43248	3	9,44,46,47/03	
36180	23	36,40,50/02;4,27,44/03			23,26,27,28,30,32,34,35,	37463	6	1,43/03;1,2,3,4/04	43252	1	44,46/03
36181	18	36,40,50/02;4/03			37,39,43,45,50,52/03;1,	37481	7	47,48/02;6,7,14,30/03	43260	4	46,47/03
36182	6	36,40/02;27/03			5/04	37501	3	46,47/02;7,8,20,33/03	43261	5	46/03
37000	22	47,48/02;14,23,43/03	37166	2	14,19,21,26,27,30,32,33,	37505	2	46/02;7,33,41/03	43262	5	46/03
37005	16	41,45,47/02;5,12,13,15,			34,35,37,39,40,41,43,45,	37506	4	45,46,47,51/02;8,20,33,	43263	7	44/02;37,44,46/03;1/04
		23,28,29,30,50,51/03;			46,51/03			43264	2	46/03	
37010	23	41,45,47/02;10,12,13,15,	37170	11	38/02;14,19,46/03	38320	3	35/03	43265	2	44,52/02;37,46,47/03
		19,23,27,28,29,30,43,50,	37175	2	5,27,30,45,46,51/03	38480	6	48/03	43266	1	47/03
		51/03;5/04	37180	20	38/02;27,31,35,49/03	38528	4	N20/03	43270	2	44/02
37025	26	38,51/02;1,24,25,27,31,	37182	14	35,47,48/02;24,27/03	38580	8	18/03	43280	5	44/02;37,40,47/03
		33,34,36,38,41,43/03;3,	37183	9	48,51/02;10,24/03	38585	4	18/03	43281	6	27,37,44,46,47/03;1/04
37032	2	1,6,25,31,38,42,43,45/03;	37184	8	48/02;5/03	38607	2	1/04	43283	6	27,37,40,43,47/03;1/04
		3,4/04	37200	15	28,30,35/03	38610	1	1/04	43284	4	51/02;40,43,51/04
37033	2	47/02;33/03	37202	2	22,27/03	38641	4	3/04	43285	5	44/02;44,49,51/03
37034	2	8,14,33,41/03	37205	2	39/02;22,24,30,40/03	38650	1	3/04	43287	2	27,37/03;1/04
37041	15	50/02	37221	13	34,36/02;6,10,11,12,13,	38670	2	1/04	43300	5	44,47,50/02;49,51/03
37042	5	41,45/02			14,15,21,23,29,30,32,50,	41000	2	15/03	43301	4	45,50/02;49/03
37043	17	43/02;43,46/03			51,52/03;5/04	41060	3	34/02;52/03	43302	4	44,47,50/02
37044	16	45/02	37222	13	21,22,30,46,52/03	41100	2	N46,N52/03	43303	4	41,47,50,51/02;43/03
37045	11	45/02	37223	14	42/02;21,26,27,30,32,34,	42003		N23/03**	43304	2	44,47,50/02;43/03
37046	18	43/02;43,46/03			35,39,43/03	42004	1	N23/03*	43320	5	49/03
37050	9	42,46/02;10,12,17/03	37224	11	22,23,30,37/03	42036	2	43/03	43321	6	41,47/02
37060	3	46,50/02;9,13,18,43,	37226	17	39/02;8,9,12,14,17,21,23,	42038	2	43/03	43323	4	27,49/03
		46/03			51/03	42160	3	7,38/03	43324	4	27,49/03
37061	15	36,38/02;5/03	37228	14	8,14,23,27,29,30/03	42301	3	38,52/03	43340	13	49/03
37063	21	36,50/02;43/03	37229	15	8/03	42560	5	31,38,40/03	43341	7	41/02;12,49/03
37075	3	5,18,43/03	37230	14	39/02;28/03	42580	5	40/03	43342	7	26,49/03
37080	3	33,34,38,40,42,44,45,46,	37231	18	6,10,12,14,50,52/03	42600	5	14,30,40/03	43344	3	39/03
		51/02;1,4,7,9,14,15,18,	37232	12	29,31/03	42620	5	14,38/03	43345	4	1/03
		20,21,22/03	37234	13	7,8,31/03	42640	6	38,40/03	43360	21	6,10,13,17,20,21,28,30,
			37235	11	17/03;5/04	42660	5	38/03			32,43,52/03;5/04
37081	23	38,43,50/02	37238	6	17,21,30,33,37,40,41,	42740	5	34,41/02;6,25,31,40,43/	43362	5	44/03
37082	9	44,50/02;11/03			45/03	42742	3	6,8,30/03	43363	5	45/02
37084	9	38,40,43/02	37241	17	26,27,30,32,33,35,37,39,	42760	5	8,19,24,25,47,52/03;2/04	43364	5	45,46/02
37085	8	38,40/02	37242	10	26,30,32,35,39,43/03	42762	3	N25,N30,N47,N52/03	43366	4	44/03
37086	8	38,50/02;4/03	37243	7	27,30,32,37/03	42765	3	47,50/03;2/04	43368	5	43,48/03
37087	7	38,40/02	37244	11	23,26,27,28,30,32,33,35,	43000	4	9/03	43369	6	43,48,50/03
37088	9	5/03			37,39,43,45,46/03	43015	12	9/03	43370	7	47/03
37089	12	4,13/03			40,43,45,46/03;1/04	43030	24	2,9,10,11,12,13,15,17,22,	43371	13	38,43/03
37090	8	45,51/02;1,7,9,14,16,			27,28,30,32,46,48/03;1,	43040	6	3/04	43373	8	45/02;17,20,40,42,49,50,
		22/03	37248	18	39/02;21,23,24,26,27,30,						52/03
					32,35,40,41,43,45/03	43058	3	20/03	43374	1	43/03
37095	3	1,7,9,11,14,15,16,20,22,	37258	4	1,11,22/03	43059	3	44/02;20/03	43375	7	46/02;6,7,10,12,16,18,23,
		32,39/03	37261	10	1,7,11,20,22/03	43060	4	44/02;27/03			42,44,50,51/03;5/04
37104	3	41/02	37262	20	1,11/03	43079	2	41/02	43377	2	47/03
37106	4	32/03	37264	3	1,15,22/03	43080	4	44/03	43378	2	38/03
37110	11	47/02;20,25,31,32,39/03	37265	3	1,7,17,32/03	43082	5	41/02;47/03	43382	2	48/03
37112	1	47/02	37268	15	1,15,22/03	43101	3	46/02	43384	1	48/02;4,5,6,7,10,11,12,
37115	2	33,47/02;7,25,31,32,	37270	16	38,44/02;9,10,11,P12,15,	43102	4	46/02			13,15,16,17,18,23,25,26,
		39/03			17,21,24,36,38,44/03	43104	4	46/02			27,32,44/03;2,5/04
37119	2	43/02	37325	8	34,39,47/02;15,18/03	43106	6	44/02;44/03	43385	1	45,48/02;5,11,13,20,23,
37120	2	39,42,49,51/02;4,6,21,23,	37326	2	34,47,51/02;15,18,21,	43120	4	5/04			24,26,42,46,49,51/03
		24,25,26,27,30,32,39,42,			36/03	43124	5	3,5/04	43386	2	47/03
37121	11	43,44,45/03	37328	2	42,44/02;11,15,21,24/03	43125	7	44/03	44000	16	44/03
37122	12	48/02;19,31,44,45/03	37330	2	34,38,40,46/02;9,13,	43126	4	5/04	44001	2	48,49/02;1,6,7,8,9,11,13,
37123	9	49/02;6,20/03			14/03	43127	5	20/03;1,3/04			14,P20,23,26,50/03
37125	15	42,49/02;6,9,20/03	37342	3	2,11,15,21,45/03	43140	4	41,48,52/02;12,35,38/03;	44015	8	48,49/02;6,7,8,9,10,11,
37126	8	41/02	37343	10	45/02						13,14,24,26,40,44,47,
37127	11	49/02;4,6,20/03	37344	11	34/02;21,38,45						

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 33/02 THROUGH NM 5/04**

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.	
44038	5	46/03	44193	1	1,7,15,18,43,48,50/03; 5/04	51061	14	1,7,15,17,19,21,22/03; 4/04	52083	2	45,46,51/02;1,16,46,48/03	
44040	23	44/02;6,10,13,16,17,20, 22,23,24,28,30,32,44, 52/03;1,5/04	44200	9	34,52/02;4,9,12,13,22,27, 37,43,47,50/03	51062	28	15,17,19,22/03	52084	2	45/02;4,10,11,12,14,18/03	
44041	7	48/02;1,9,10,13,16,20,23, 28,52/03;3/04	44203	1	33,48/02;2,5,15,25, 52/03;2/04	51081	10	5,6,13,15,17,21,22,45/03	52085	3	50,51/02;4,11,16,46/03	
44042	7	44,45,49/02;4,7,9,10,11, 17,19,20,25,27,28,29, 32/03	44204	1	48,52/02;2,4,5,7,12,13, 27,50/03	51100	7	1,6,7,8,9,14,27,33,34, 41/03	52086	2	45,50,51/02;1,4,9,11,14, 36/03;5/04	
44043	8	44/02;1,6,9,10,11,13,16, 52/03	44205	2	48,52/02;2,5,7,12,15,19, 22,26,27,29,31,39,43/03	51103	10	33,45/02	52087	1	51/02	
44044	6	6,10,13,16,44/03	44206	1	46/02;4,5,13,16,17,19,24, 28,40,46/03	51104	1	33,45/02	52088	2	45/02;4,10,11,12,14,18, P20,26,49/03	
44045	6	22,44/03;5/04	44207	1	4,5,17,19,23,28,40,41,45, 46/50/03	51120	6	6/03;4/04	52092	1	46,51/02;16,48/03	
44046	10	22,24/03;1/04	44208	5	46/02;4,5,13,16,21,40,45, 46,48/03;3/04	51135	1	22,46/03;4,5/04	52120	12	51/02;6,11,16,18/03	
44047	22	44/02;10,12,22,24,30,31, 32,40,48/03	44209	5	46/02;4,5,13,16,21,40,45, 46,48/03;3/04	51142	2	6,13,15,22,33,40,45/03	52121	8	45,46/02;1,6,8,11,16, 23/03	
44048	11	5,12,18,22,25,27,31,40, 48/03	44210	1	19,21,25/02;3/04	51143	4	6,40,45/03	52122	14	45/02;11,14/03	
44049	9	44,46,50/02;8,14,22,24, 30,31,40,48,50/03;1,2/04	44211	1	6,13,21,24,48/03	51144	3	52/02;1,15,46/03	52124	1	51/02	
44050	21	20,31,32/03	44212	1	49/02;5,20,21,24,42/03; 3/04	51145	2	42/02;13,22/03	52125	1	45,46/02;8,11,16,18/03	
44051	1	44,48,50/02;1,11,14,22, 25,26,27/03;1,2/04	44213	2	5/03	51146	3	42,52/02;5,36/03	52140	6	48,50/02;3,12,18,29,46, 49,52/03;5/04	
44057	5	29,30/03	44214	7	2,5,6,13,21,48,52/03; 5/04	51150	1	50,51/02;1,13,15,22,33, 40,46/03	52141	5	48/02;41,44,46,49/03	
44061	21	24,32/03;1/04	44215	8	49,50/02;4,7,13,14,15,16, 19,21,25,39/03;3/04	51154	3	50,51/02;13,15/03	52142	2	12,18,23,29/03	
44062	8	28,40/03;1/04	44216	7	2,5,6,13,21,48,52/03; 5/04	51155	1	50,51/02;1,15,22/03	52143	8	18/03	
44063	8	17/03;1/04	44217	8	49,50/02;8,14,22,24, 30,31,40,48,50/03;1,2/04	51158	2	6/03	52144	5	50/02;3,7,8,10,14,16,18, 21,23,47/03	
44064	19	22,28/03;1/04	44218	2	49/02;12,15,19,21,22,27, 45,49,50/03	51159	3	47/02;39/03	52160	7	50,52/03	
44065	7	42/02;16,17/03	44219	7	2,5,6,13,21,48,52/03; 5/04	51160	20	48,50,51/02;1,4,5,6,7,14, 15,21,22,45/03	52161	14	6,11,14,45/03	
44066	10	39/02;31/03	44220	1	49,50/02;13,17,19,21, 26/03	51163	4	4,43/03	52164	2	14/03	
44067	22	16,17,28/03	44221	1	49,50/02;13,17,19,21, 26/03	51164	18	38,45,46,50/02;2,4,8, 43/03;5/04	52170	3	14,16,42,52/03	
44068	11	44/02;10,11,13,40,51/03	44222	2	50/02;8,21,43,45,49, 50/03	51165	8	45,50/02;2,4,8,10,14,16, 39/03;5/04	52172	2	40/02;1,5/03	
44069	16	11,13,17,22,23,40/03	44223	2	49/02;8,21,43,45,49, 50/03	51166	3	N45/02;N39/03	52180	14	42,43,51/02;1,8,10,13,15, 16,50/03	
44070	7	28/03	44224	1	49,50/02;13,17,19,21, 26/03	51167	6	45,50/02;2,4,8,10,16/03; 5/04	52183	9	52/03	
44071	4	29/03	44225	1	2,15,40,44,47/03	51168	2	45,46,50/02;2,4,8,45/03	52200	8	7,17/03	
44072	4	40/03	44226	1	2,27,40,47/03	51180	5	13,16/03	52220	7	27/03	
44075	4	42/02;13,23,40/03	44227	5	41,42/02;7,37,50/03	51200	4	14/03	52221	7	27/03	
44076	3	22,28,30,32/03	44228	1	41,47/02;36,37,39,40/03	51220	8	33/02;18,43,45,46/03	52223	4	27/03	
44081	9	39/02;9,13,46,48/03	44229	2	41,42/02;4,6,9,10,P20,	51222	6	5/01;16/03	52240	9	27/03	
44082	11	9,33/03	44230	4	6,8,9,15,P20,25,26,37,49, 50,51/03;2/04	51223	2	17,18/03	52262	6	4/04	
44083	8	9,11,24,25,26/03	44231	6	40/02;6,8,44,45/03	51240	3	32/03;43,46/03	52263	5	4/04	
44084	1	6,11,26/03	44232	6	40/02;6,8,44,45/03	51260	4	37,50/02;16,18,28,43,44, 52/03	53011	2	51/02	
44085	2	51/03	44233	11	37/02;4,6,8,9,15,17,P20, 26,33,37,49,50,52/03; 2/04	51261	23	5,6,13,15,19,40,46/03	53031	1	39,48/02;5,12,14,24,31, 49/03	
44100	7	44/02;2,9,11,12,13,22,31, 40,41,46,48,49,51/03	44234	1	37/02;4,6,8,9,15,17,P20, 26,33,37,49,50,52/03; 2/04	51263	23	49/02;13,17/03	53058	2	4,37/03	
44105	2	49/02;5,6,8,24,26,27,41, 47,48,52/03;3/04	44235	7	37,41/02;7,9,P20,26, 52/03	51341	23	48/02;6,16,34/03	53060	14	51/02;4,5,9,10,12,14,31, 36,39,44/03	
44120	7	2,9,10,15,19,20,22,23,24, 27,33,39,40,41,45,48, 49/03;1,3/04	44236	8	37,41/02;6,5,2/03	51342	3	10,3/5;04	53061	10	44,47/02;12,16,17,38, 44/03	
44140	8	50/02;1,6,19,21,23,24,26, 31,40,44,47,50/03	44237	2	4,6,7,8,12,15,17,19, 49/03;2/04	51344	2	5,7,16,18,44/03	53062	13	1,14,16/03	
44160	7	46/02;1,4,5,6,11,13,14, 15,20,26,31,34,41,47,48, 49/03;2/04	44238	9	48/02;6,7,8,9,12,15,17, 19,23,24,25,27,34,41,49, 50,51/03	51380	5	47/02;42/03	53063	9	33*,37/03	
44161	2	50/02;1,2,6,10,21,35,39, 41,48,49,50/03;3/04	44239	6	4,10,15,21,26,27,28,35, 52/03;4/04	51420	5	42/03	53064	6	33/02;10,20,39/03	
44162	1	50/02;1,24,47/03	44240	1	34,41/02;44,52/03	51440	12	20,39/03	53065	2	33/02;39/03	
44163	1	48/02	44241	2	35,37,40/02;6,39/03	51500	6	20/03	53066	2	33/02;20,39/03	
44164	1	46,48/02;1,11,18,22, 47/03;2/04	44242	4	48/02;4,6,7,8,9,12,15,17, 19,23,24,25,27,34,41,49, 50,51/03	51540	3	22,45/03	53081	8	4,5,11,16/03	
44165	1	46/02;1,5,6,11,20,22,24, 34,39,45,48/03;2/04	44243	7	10,12,19,24,41,49/03	51559	3	41/02	53082	13	40/02	
44178	2	2,5,7,10,16,26,27/03; 2/04	44244	4	4,6,11,12,13,14,15,23,24, 26,27,41,45,49,50/03;2/ 3/04	51560	11	50/03	53083	8	9,10,21,22,41/03	
44179	2	10,16,35,39,51,52/03; 3/04	44245	6	36,49/02;8,9,10,11,12,14, 17,22,25,27,40,44,49/03; 5/04	51562	10	50/03	53084	6	51/02;14,16/03	
44180	6	34,45,46/02;1,2,5,7,8,9, 20,26,43,48,50/03;2,3/04	44246	1	7,8,26,27,43,52/03;4/04	51580	13	41/03	53085	6	51/02;14,16/03	
44181	5	5,10,13,20,21,27,48, 52/03;2/04	44247	2	34,44/02;44,52/03	51600	12	20,39/03	53086	8	46,48/02;17/03	
44182	4	48,49/02;1,2,15,18,27,42, 43,46,48,49/03;1,2/04	44248	6	9,12,30,34,35,36,38,41, 52/03	51620	10	20,39/03	53087	9	48/02;17/03	
44183	6	48/02;1,6,8,9,10,19,20, 25,27,35,39,43,46,49/03; 2/04	44249	10	6,10,24,25,26,28,31,36, 47,50/03	51641	4	32,34,40/03	53088	7	33/02	
44184	9	45,49/02;2,10,13,20,22, 32,48,52/03	44250	4	27,39/03	52031	1	6,21,48,49/03	53089	4	21,22,23,41/03	
44185	7	45,49/02;1,2,10,27,32,48, 50/03	44251	7	4/04	52039	4	5,7,8,9,13,14,18,21, 45/03	53090	1	41/02;50/03	
44186	2	45,46,48/02;1,2,5,8,9,10, 15,16,25,27,29,49/03;1, 3/04	44252	2	6,10,11,14,19,24,25,40, 44,47,52/03	52040	17	43,50/02;13,16,18,34/03	53093	2	41/03	
44187	2	5,6,9,13,25,27,39,44,48, 50,52/03;2/04	44253	7	31/02;24,40,44/03	52042	6	22/03*	53100	16	33,39,42,51/02;6,10,13, 18,20,21,24,31/03	
44192	1	46,48/02;1,18,23,39,43, 44,48/03;1,2,5/04	44254	10	45/03	52043	21	46/02;6,7,48,50,52/03; 1/04	53101	7	33/02;8,13,16,24/03	
44193	44463	9	24/03	44255	1	43/02	52045	6	36/02	53104	2	35,42/02;20,24/03
44194	44465	2	6,25,47/03	52051	1	43/02	52046	21	50/02;6,7,16,18,21/03	53105	20	37/02;8/03
44195	44466	2	24,26,31,50/03	52052	1	43/02	52047	11	7,8,34/03	53106	6	21,33/03
44196	44467	2	29,34/03	52053	1	14/03	52054	1	14/03	53107	16	35/02;6/03
44197	44468	2	38/02;7,21,33,36,45/03	52055	1	14/03	52056	16	43,50,51/02;7,12,P20,26, 29,34/03	53110	1	40/02;10,15,17/03
44198	44469	2	38/02;7,21,33,36,45/03	52057	1	14/03	52058	3	44/02*	53111	3	44/02*
44199	44470	2	38/02;7,21,33,36,45/03	52059	1	14/03	52060	16	43,50,51/02;7,12,P20,26, 29,34/03	53112	3	40/02;7,8,16/03
44200	44471	2	29,34/03	52061	2	45,48,51/02;7,12,P20,26, 29,34/03	53113	2	46,51/02;13/03			
44201	44472	2	38/02;7,21,33,36,45/03	52062	7	7,12,23,29,34/03;1/04	53114	5	34,51,52/02			
44202	44473											

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 5/04

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.
53165	13	39/02;8/03	54322	7	1/03	55104	2	48/02;4,5,7,14,19,31,33, 36,45,46,52/03;2/04	57483	11	24/03
53180	10	33,34,43,51/02;1,3,6,7, 13,15,18,20,21,29/03	54329	4	5/03	55105	7	36,41,42/02;14,15,29,33, 36,42,43,48,52/03;3/04	57484	19	15,23,24,27/03
53181	4	34/02;1,13,21/03	54332	3	25/03	55110	2	37/02;6,29,43,44,51/03; 3/04	57488	6	24/03
53182	4	36/02;15,16/03	54333	3	25/03	55120	2	36/02;6,14,28,33,34, 42/03;2/04	61000	20	10,15,23,27,31/03
53183	13	35/02;20/03	54335	3	24/03	55127	2	10,14,24,27,32,36,51/03	61020	2	27/03
53184	5	35/02;1,6,13,18,20/03	54339	8	12/03	55128	2	33,36,38/02;1,4,5,8,14, 26,27,28,32,34,43,50/03; 2/04	61036	8	7/03
53200	6	33,36,43/02;5,6,7,15,16, 20,30/03;4/04	54340	8	48,51/02;3,4,24/03	55129	7	33,36,37/02;6,15,27,34, 35,42,45,46/03	61040	6	10,31/03
53201	6	51/02;18,21,38/03	54341	4	23/03	55130	2	45/02;5,14,19,32,33,34, 39,42,46,50/03;2/04	61050	4	10,15,31/03
53202	6	15,17/03	54343	10	48/02;4,5,11,12,13/03	55131	1	36,45/02;6,19,25,38, 39/03	61051	7	15,24/03
53203	11	5/03	54344	6	48/02;24/03	55133	3	5,14,34,36,38,46/03	61060	5	12,27,39/03
53204	10	44/02;5/03;1/04	54346	8	11,12,13/03	55138	4	52/02/20,21,34,50/03	61061	9	10,12,15,24/03
53205	3	5,26/03	54347	4	51/02	55139	5	41/02	61070	4	9,39/03
53206	6	5,25/03	54350	4	51/02;37/03	55140	2	1,5,14,29,33,34,35,36,42, 45,46,47,52/03;2/04	61071	9	18,39/03
53220	6	36,43,51/02;5,16/03;4/04	54351	7	52/02;26/03	55150	2	37/02;15,36,48/03;3/04	61080	4	9/03
53226	3	3*,17,18,35/03	54352	3	52/02;1,3,33,37/03	55160	2	42/02;29,41,42/03;3/04	61090	5	12,27/03
53242	12	52/02;1,13/03	54359	2	38/03	55161	1	17,41,42/03	61091	5	12,18,24,27,35/03
53244	2	1/03	54360	12	52/02;20,21,34,50/03	55170	2	36,41/02;46/03	61092	13	18,27,35,39/03
53262	8	1/04*	54361	10	38/03	55180	2	33/02;1,15,29,33,36,39, 42,45,46,47,52/03;2/04	61100	4	10,12/03
53263	1	37/02;17/03	54362	3	52/02	55190	2	6,20,27,39,40,51,52/03;2, 3/04	61110	3	25/03
53264	5	17/03	54363	3	21,50/03;2/04	55190	2	8,10,20,25,26,27,28,32, 33,36,39,42,45,46,47,50, 52/03;4/04	61111	12	25,27,34/03
53265	6	35,41,46,52/02;15,16/03	54364	2	52/02	55200	2	33/02;7/03	61112	10	35/03
53266	4	1,8,13,17/03	54365	6	36/02;11,21/03	55200	2	6,13/02;7/03	61141	6	38/02;35/03
53268	4	42/02;7/03	54368	4	50/03	55200	2	6,13/02;7/03	61142	6	38/02;7,35,39/03
53269	5	17/03	54369	4	52/02;20,21,34,50/03;	55200	2	6,13/02;7/03	61180	4	38/03
53279	3	7,15/03				55200	2	6,13/02;7/03	61190	4	39,41/02
53281	4	40,52/02;15,18/03	54380	6	42/02;3,16,18,28,34/03	55200	2	6,13/02;7/03	61204	5	13/03
53282	8	40/02	54382	9	16,28,40/03	55200	2	6,13/02;7/03	61300	2	7/03
53283	4	33,52/02;40/03	54386	10	42/02;16,18/03	55200	2	6,13/02;7/03	61310	2	33/02;7/03
53284	4	33,40/02;7,21,24/03	54387	7	42/02;16,18,30,39,42/03	55200	2	6,13/02;7/03	61311	5	33/02
53285	4	35/02;7,15/03	54389	8	43,52/02	55200	2	6,13/02;7/03	61312	3	33/02
53287	6	35,42/02;1,5,7,8,10,15, 22/03	54400	8	43/02;3,16,22,30,36, 37/03	55200	2	6,13/02;7/03	61331	4	7/03
53290	1	35/02	54402	4	52/02	55200	2	6,13/02;7/03	61400	2	7/03
53301	4	22/03	54403	4	43,52/02;24,30,36/03	55200	2	6,13/02;7/03	61410	2	7/03
53302	4	51/02	54407	4	43/02;3,7,16,30,37,49/03	55200	2	6,13/02;7/03	61430	2	7/03
53303	6	49,51/02	54409	2	7,8,12/03	55200	2	6,13/02;7/03	61443	1	7/03
53306	2	39/02;31,43/03	54413	3	37/03	55200	2	6,13/02;7/03	61444	2	7/03
53311	3	39/02;37/03	54416	5	33,37/03	55200	2	6,13/02;7/03	61451	8	41/03
54040	3	37/02;6,10,20/03	54417	1	30/03*	55200	2	6,13/02;7/03	61452	6	41,46/03
54041	7	35/02;4,8,16,17,24/03	54418	4	43/02;3,7,16,30,37,49/03	55200	2	6,13/02;7/03	61560	2	7/03
54043	2	17/03	54419	2	3/03	55200	2	6,13/02;7/03	61562	2	6/03
54060	5	37/02;16/03	54421	6	47/02;36,41,43,46,49/03	55200	2	6,13/02;7/03	61581	5	28/03
54061	11	52/02;42/03	54422	4	46/03	55200	2	6,13/02;7/03	61582	4	28/03
54063	3	1,13/03	54423	5	48/02*;17/03	55200	2	6,13/02;7/03	61591	4	28/03
54081	3	10/03	54430	1	37,43/02;36,43/03;2/04	55200	2	6,13/02;7/03	61610	7	34/03
54085	2	40/02;15,24,42/03	54440	4	41/02;17,38/03	55200	2	6,13/02;7/03	61611	11	34/03
54090	3	46/02*;11,15,19/03	54441	6	42/02/2;03/2/03	55200	2	6,13/02;7/03	61612	4	34/03
54095	3	46/02*;8,15,30,42/03	54442	5	17,51/03;4/04	55200	2	6,13/02;7/03	61650	3	12/03
54105	3	46/02*;8,13,17,19,50/03	54446	5	17/03	55200	2	6,13/02;7/03	62000	20	46/02
54115	3	46/02*;15,30/03	54448	8	36,41/02;2,17,21/03	55200	2	6,13/02;7/03	62001	5	11*,28,50/03
54120	5	37,39,41/02;15,17,19/03	54481	8	36/02;33,43/03	55200	2	6,13/02;7/03	62024	13	38,40/02;29/03
54125	3	46/02*;15,17,30,47/03	55001	4	36,37,42/02;14,15,28,29, 33,35,36,39,43,44,52/03	55200	2	6,13/02;7/03	62028	15	10/03
54131	2	50/03				55200	2	6,13/02;7/03	62032	16	11*,17,21,41/03
54140	7	41/02;15,30,47,51/03	55040	4	39,41/02;16,20,21,35,36, 39,41,42,50,52/03	55200	2	6,13/02;7/03	62033	3	N11*,N17,N21,N41/03
54151	1	3,42/03				55200	2	6,13/02;7/03	62046	3	19/03*
54161	12	10,20,21/03	55041	7	21,43,49,50/03;2,5/04	55200	2	6,13/02;7/03	62050	6	44/02
54165	2	33,37/02;38/03	55042	1	42/02;17,35,37/03	55200	2	6,13/02;7/03	62092	7	41/02
54166	3	10/03	55043	2	37,39,42/02;37,52/03	55200	2	6,13/02;7/03	62093	7	41,49/02
54167	2	20/03	55044	5	41,43/02;16,42,52/03;1, 2/04	55200	2	6,13/02;7/03	62095	3	11*,32/03
54168	1	37/02;10,17,38/03				55200	2	6,13/02;7/03	62097	6	38/03*
54169	3	37/02;17,38/03	55045	2	41/02;39,52/03;3/04	55200	2	6,13/02;7/03	62098	7	33/03*
54180	6	41,43,50/02;5,30,42,47, 51/03	55046	4	37,38,39,41,48/02;18,19, 35,36,41,46,50/03	55200	2	6,13/02;7/03	62100	6	P23,26/03
54181	7	48/03*	55047	8	41,49,51/03	55200	2	6,13/02;7/03	62110	9	P23,26/03
54195	2	5,51/03	55048	12	36,37,39,41,48/02;20/03; 1/04	55200	2	6,13/02;7/03	62140	1	34,40/02
54200	4	5,8/03				55200	2	6,13/02;7/03	62142	10	32/03
54201	6	8/03	55049	6	41,43/02	55200	2	6,13/02;7/03	62143	3	32/03
54222	4	43/02;20/03	55050	7	36,37/02;28/03	55200	2	6,13/02;7/03	62170	2	38/02
54223	2	8/03	55061	1	28/03	55200	2	6,13/02;7/03	62171	4	38,47/02
54224	2	8/03	55062	5	28,33/03	55200	2	6,13/02;7/03	62188	3	50/03
54226	2	50/02;47/03	55063	1	6,44/03	55200	2	6,13/02;7/03	62191	15	11*,15,28/03
54227	2	50/02;47/03	55064	3	37,48/02;6/03	55200	2	6,13/02;7/03	62194	8	36/02;4/03
54266	2	13/03	55082	9	5,25,32,44,46,50/03	55200	2	6,13/02;7/03	62195	7	19/03*
54279	4	50/02*;2,15/03	55084	7	39/02;39/03	55200	2	6,13/02;7/03	62220	9	21/03*
54280	10	5,15,22/03	55085	9	5,31,33,36,39,46,50/03	55200	2	6,13/02;7/03	62222	5	19/03*
54282	1	51/02	55100	8	36,37/02;6,28,29,33,34, 39,43,44/03	55200	2	6,13/02;7/03	62225	3	37/02;17/03
54283	5	52/02				55200	2	6,13/02;7/03	62230	2	50/03
54284	1	51/02;15,34/03	55101	4	7,25,32,34,38,39,42,43, 46,50/03;2,4/04	55200	2	6,13/02;7/03	62241	10	9/03;5/04
54287	7	5,15/03	55102	3	4,5,15,25,32,36,43,46,50,	55200	2	6,13/02;7/03	62242	11	47/02;9/03
54288	5	1/03				55200	2	6,13/02;7/03	62250	4	

## SECTION I

NM 5/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 33/02 THROUGH NM 5/04**

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.
62343	3	8/03	63065	6	44/03	71271	10	34,52/02;19/03	73601	3	34,35,47/02;43/03
62350	3	10/03	63070	3	16/03	71272	10	34/02;19/03	73631	4	36,46/02;1,17,40/03
62355	6	8,29/03	63080	5	48/02	71273	2	51/03	73640	5	36/02;16,40/03
62360	5	38/02;12/03	63090	8	15,30,40/03	71275	3	35/02;2,6,16,19,33/03	73650	5	40/03
62361	2	N38/02;N12/03	63091	4	39,48,52/02;9/03;5/04	71281	7	51/02;34/03	73653	1	40/03
62366	4	33/03*	63100	2	44/02;30/03	71285	3	34,52/02;13,19/03	74000	6	36,47/02;2,7,18,41/03
62391	5	33/03*	63101	15	15,30,40/03	71295	2	34,39,40,52/02;12,19/03	74002	2	35,47/02;31/03
62393	7	34,37,50/02	63102	19	15,30,40/03	71305	2	34,36/02;2,13,23/03	74003	5	47/02;7,10,31,34/03
62394	10	34,37,50/02	63103	17	15,16/03	71311	4	7/03	74004	2	35,37,39,47/02;9,30/03
62395	3	25/03*	63110	4	40/02;16/03	71313	8	45/02	74005	2	34,35,46,47,51/02;4,7,9,
62400	17	33/02;4,9,31/03	63111	9	48/02;9/03	71314	5	6,10/03			16,27,30,38/03
62401	9	6,10,41/03	63120	2	44,48,52/02;8/03	71315	2	34/02	74007	1	36/02;46/03
62402	10	10/03*	63121	5	48/02;5,8/03	71320	1	35/02;5,14,33,38/03	74008	6	51/02
62404	3	6/03	63200	5	52/02;30/03	71325	8	5/03	74009	10	38,49/02;8,9,21,36,44/03
62405	8	43/03	63201	9	40/02;30/03	71330	13	35/02;5,33,38/03	74012	10	37,40,49/02;6,8,19,20,27,
62406	2	33/02;28/03	63205	2	30/03	71331	11	5,7,8,33,38/03			36,37/03
62408	7	10/03	63210	3	45,52/02;16,30/03	71333	2	6,7,33/03	74015	10	40/02;21,31,36/03
62409	6	7/03	63220	5	45,52/02	71335	2	8,38/03	74016	3	27,42,48/03
62411	1	52/02	63230	6	45/02	71340	11	40,46/02;2,4,5,6,7,33/03	74017	4	37,45/02;18,31,38/03
62412	12	52/03	63231	8	45/02	71343	3	7/03	74018	6	44/02
62413	12	28*,50,52/03	63232	3	45/02	71348	3	35/02;7,23/03	74020	4	33,37,38,43/02;5,18,31,
62417	1	52/02	63240	4	19/03	71349	2	23/03			38/03
62419	6	33/02;8/03	63250	6	40/02;11/03;5/04	71350	8	5,6,7,14/03	74021	7	33,35,39,44/02;7,10,26,
62420	5	33,37,39/02;8,52/03	63252	1	33/03	71400	5	14,23/03			31,35/03
62429	9	39,43/02	63260	5	5/04	71401	1	40,46,51/02;5/03	74024	7	44/02;36,49/03
62431	8	37/02	63271	8	52/02;8/03	71402	1	40,46/02;4,5,6,33/03	74027	9	43,44/02;39/03
62432	17	50/03*	63290	7	38/02;10,22/03	71410	1	39/02;12,23/03	74030	6	51/02;42/03
62433	12	34,45/02;1/03	63291	9	33/02;16/03	71420	1	38,39/02;3,12,14,23/03	74051	2	42/03
62434	9	40,46,52/02;8,12,17,18,21,23,43,50/03;1,4,5/04	63310	5	11/03	71430	3	11*,20,23/03	74053	2	51/02
62437	10	30*,32,35,37/03;5/04	63320	8	37,49/03	71440	2	11*,23/03	74151	9	36,44/02;2,20,29,40,
62439	4	1/03	63321	6	42/02;9,37,49/03	71445	1	7/03			41/03
62440	8	16*,41/03	63322	2	9,49/03	71450	1	7/03	74152	11	36,44/02;27,30,34/03;
62441	10	36/02	63330	9	39/02;4/03	71455	2	11*,23/03			1/04
62442	6	24/03	63337	15	39/02;4/03	71460	1	41/02;23/03	74153	2	36,44/02;2,27,41/03;1/04
62446	3	43/03	63370	1	20/03	71470	2	38/02;14/03	74162	4	36,46,47/02;8/03
62451	7	5/04	63400	1	39/02;8,11/03	72000	8	35,47,50/02;2,20,21,23,	74171	4	33,36,47/02;3,10,18,20,
62453	4	16*,50,52/03	63410	6	39/02;8,9/03						40/03
62455	7	39,43/02	63413	5	39/02	72007	10	36,38,47,51/02;2,5,7,11,	74172	5	36,47/02;7,10,18,40/03
62457	6	11/03*	63417	2	39/02	72008	27,50/03	74181	8	33,35,37,38,39,47/02;10,	
62459	2	6,41/03	63420	2	39,45/02;8/03	72014	10	46/02;7,19/03			34/03
62460	4	33/02;10/03	63424	2	45/02	72021	8	36,38,47,50,51/02;7,20,	74182	12	33,35,37,38,39,41,42,44,
62464	2	49,50/02;4/03	71005	1	34/02;6,12,13,16,23/03	72028	7	34/02;22/03			51/02;6,10,17,25,34,38,
62480	2	16*,18,32,41/03	71006	5	39/02;23/03	72035	8	8,21,27/03			39,40,41,42,49/03
62490	6	20*,17,18,21,32,50/03	71009	3	39,46,48/02;1,6,7/03	72045	2	8,27/03	74183	11	38,39,42/02;4,6,17,25,
62498	4	4,9,31/03	71012	3	33,39,46/02;1/03	72050	4	23/03	74184	10	33,35,37,38,46,48/02;17,
62499	4	49,50/02;4,9,31/03	71015	4	23/03	72060	8	50/02			34/03
62510	3	11*,12/03	71018	10	33,35,37/02;7,12,13,15,	72070	4	2,9/03	74186	7	34/02;4,10,17,21,27,30,
62512	3	N11*,N12/03	71027	9	34,38,45,49/02;4,5,14,	72075	2	9/03			36/03
62515	2	45/02				72080	7	51/02;2,9/03	74190	7	35,36,37,46/02;1,16,31,
62520	6	20*,28,32,41/03	71033	31	37,38,49/02;3,12,14,15,	72085	3	15*,50/03			34,39/03
62521	4	N20*,N28,N32,N41/03				72094	2	38/02;7/03	74191	2	35,46,48/02;1,7,9,29/03;
62530	6	20*,28,32,52/03	71036	8	35,44/02;12,14,23,26/03	72100	7	7,19/03	74192	3	35,46/02;1,40/03
62531	4	N20*,N28,N32,N52/03	71040	5	34,42/02;7,47/03	72103	2	4,6,7,19/03	74200	8	37,46/02;1,8,32,40/03
62540	6	34,40,45,48,50,52/02;8,12,17,18,21,30,35,43,50/03	71042	1	34/02	72105	2	36,38/02;7,11,19,50/03	74201	9	32/03
62541	3	N34,N40,N45,N48,N50,N52/02;N8,N12,N17,N18,N21,N30,N35,N43,N50/03	71045	2	23/03	72107	2	7,19/03	74202	3	1,7,27/03
62550	3	16*,28,32,52/03;5/04	71048	3	21/03	72109	3	42,44/02	74204	5	37/02;1,7,8,32,40,46/03
62560	4	16*,18/03;5/04	71091	4	1,2/03	72130	4	46/02	74205	2	27,32,35/03;1/04
62570	4	33,34,36,40,45,48/02;8,12,17,18,21,30,35,37,43,50/03;1,5/04	71140	6	33,39,46/02;1/03	72131	3	11/03	74206	2	34/02;27,32,35/03
62572	1	50/03*	71180	29	33,37/02;7,12,13,15,21,23/03	72135	10	10/03	74210	7	7,17,37,46/03
62572	1	50/03*	71185	24	7,13,15/03	72181	2	36/02;7,11,50/03	74220	8	35,47,51/02;30,37,46,
62580	3	33,45/02;12,35/03	71186	2	7/03	72190	2	10/03			50/03
62590	2	36,40,46,48/02;8,12,17,18,21,23,30,37,43,50/03;1,4/04	71210	18	44/02;3,23,27/03	72201	8	8/03	74221	2	35,51/02;30,38/03
62591	3	N36,N46,N48/02;N8,N12,N17,N18,N21,N23,N30,N37,N43,N50/03;N1/04	71211	4	38/02	72211	6	43/02;5,8/03	74229	2	33,37,43,47/02;18,26,
63000	13	48/02;40/03	71230	11	38/02;6/03	72223	8	21/03			50/03
63005	18	16/03	71241	10	6,12,16,20/03	72334	2	18,19/03	74230	7	39,42/02;5,7,36,46,50/03
63010	14	52/02;44/03	71243	5	15/03*	72236	1	9,12/03	74231	7	35/02;3,21,36,50/03
63015	11	38,40,52/02;9/03	71247	18	5,6,8,14,17,21,22/03	73000	9	40,52/02;10,20,21/03	74232	9	5,7,21/03
63020	15	4,9,11/03	71248	2	N51/02*;N1/03	73012	6	11/03*	74234	1	8,17/03
63040	2	46/02;52/03	71249	2	35/02	73014	10	48,52/02	74240	8	34,39,42/02;4,5,7,8,9,41,
63050	2	46/02;45/03	71251	11	35,40/02;1,15,21,50/03	73020	9	9,21,22/03			46/03
63053	4	39,45/03	71252	10	35,40,42/02;5,6,7,13,14,	73024	3	39/02	74251	8	34,37,42,44,46,51/02;6,9,
63055	2	39/03	71253	10	35,40,42/02;5,6,7,13,14,	73030	4	22/03	74252	9	47/02;5,7,9/03
63060	7	45/03	71255	6	28/03*	73032	4	9,22/03	74253	6	47/02;8,9,16,20,21,30/03
63062	7	7,16,18,37,44,50/03	71257	2	5,6,7,12,13,16/03	73041	2	5/03	74261	9	41,49/02;4,10,30,39/03
63063	9	20/03	71258	2	35/02;5,6,7,13,22/03	73191	3	7/03	74265	2	38,41,43,47,49/02;7,9,16,
			71259	3	15*,17,19,44/03	73271	7	13/03			21,30/03
			71261	8	35/02;2,16/03	73552	4	34,45/02;1,7,9,10,38/03	74270	3	38/02;7,38/03
			71262	7	6,33/03	73570	7	34,45/02;1,10/03	74271	9	38,46/02;19,26,27,29,30,
			71265	3	46*,49/02;7,13,15,16,	73580	4	52/02;43/03	74272	7	4,19,29,30/03
			20/03			73581	4	52/02;3,43/03	74273	5	38,41,43/02;7,19,27/03

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 5/04

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.
74285	2	34,35,45/02;1,9,16,38, 50/03	75172	5	39/02;49/03	82646	2	33/02	93698	3	45/02;28/03
74286	2	29,35/03	75173	9	33,36/02;1,6,20,26,35,38, 40/03	82649	5	33/02	93710	3	6,15,43,52/03
74287	2	34,38,52/02;9,47/03	75175	9	33,38,40,45,50/02;6, 18/03	82683	4	33/02;17/03	93720	10	39,45,50/02;8,15,17,20, 24,28,42,43,44,48,49/03
74289	5	9/03	75176	9	42,50/02;25,26,32,40, 44/03	82684	3	33,38/02;7/03	93721	5	39,42,45,50/02;4,11,17, 20,23,25,40,41,43,44,45, 46,48,49,50,52/03;1,4/04
74290	11	34,39,45,46,48,49,51/02; 1,7,9,10,16,27,30,38, 50/03	75177	7	38,48,50,52/02;6,26, 38/03	82689	3	38/02;17/03	93725	6	45/02;24,49/03
74292	8	34,38/02;9,27,52/03;1/04	75180	2	8,25,38/03	82697	6	38,46/02	93726	4	48/02;8,12,17,45,50/03
74293	7	34,45,48/02;9,16/03	75185	2	47/02;8,36/03	83010	6	6/03	93730	3	39,40,42,45,47,50/02;2,4, 17,24,28,31,41,42,43,46, 47,48,49/03
74294	3	34,45/02	75190	2	47/02;25,36/03	83020	8	24/03	93733	13	39,45/02;4,19,20,25,40, 41,44,45,47,48,52/03;1, 4/04
74295	3	4,9,27,29,35/03;1/04	75191	6	37,38,43,47/02;8,19,30, 34,36,38/03	83025	1	12,45/03	93734	12	51/03*/4/04
74296	4	34,38,49/02;9,27,52/03	75193	6	49/02;1,5,7,10,16,19, 35/03	83026	32	41/02;6/03	93736	22	41/02;4,20,25,40,41,45, 46,50/03;1,4/04
74320	3	35/02;8,18,41,43/03	75195	6	49/02/02;7,23, 38/03	83039	11	41/02;6/03	93778	8	47/02;7/03
74340	3	16/03	75207	2	36,52/02;4,16,33,37,43, 49/03	83251	2	2,12/03	94004	6	33,37,44,52/02;8,9,10,12, 17,18,42/03
74350	4	16,44/03	75208	2	50/02;30,33/03	83252	8	2,12/03	94016	2	33,35,52/02;3,9,10,14,17, 21,33,47/03
74376	5	43/02;9,16,44/03	75213	2	36,52/02;33,38/03	83354	2	12/03	94028	7	40,42,52/02;1,6,7,8,9,11, 14,17,21,24,27,31,33,40, 51,52/03;1,4/04
74380	4	8,9,26/03	75215	2	36,39,40,52/02;7,23, 38/03	83397	6	1/03	94033	5	19,21,23,29,42,44/03; 2/04
74391	3	26/03	75220	12	36,39,49/02;4,20,26, 39/03	83425	6	35/02;3/04	94040	13	37,47,51/02;6,8,10,17,18, 28,31,43,51/03
74392	7	39/02;25,49/03	75222	8	35,40/02;1/04	83473	7	37/03	94042	9	47,51/02;7,18,24,43, 45/03;4/04
74393	9	38,41,50/02;3,39/03	75224	6	44,36/02;26,35/03	83484	10	23,42/03	94060	10	33,37,46,47/02;7,8,10,12, 14,15,18,24,31,42/03
74394	2	41,49,50/02;3,39/03	75225	5	33,48/02;3,19,37,40/03	83574	2	7/03	94061	5	33,35,47/02;23,41,42, 52/03
74410	3	38/02;7/03	75226	6	33,36,48/02;3,6,26,31, 38/03;1/04	83580	2	8,45/03	94082	8	44/02;8,19,22,51/03
74415	1	39/02	75227	8	35,40/02;1/04	91005	6	45/02;19,42/03	94083	12	44/02
74420	3	45/02;19,27,30/03	75240	4	36,39/02;2,4,27,39/03	91008	1	44,48/02;8,10,12/03	94120	6	33,38,48,52/02;9,10,17, 18,21/03
74430	2	49/02	75241	6	44,36/02;26,35/03	91010	6	48/02;10,12/03	94122	7	40/02;35/03
74440	3	39/02;2/03	75251	5	33,48/02;3,19,37,40/03	91020	5	19,46/03	94123	9	33,38,42,44,52/02;9,10, 15,17,18,28/03
74450	3	49/02;2,37/03	75261	6	33,36,48/02;3,6,26,31, 38/03;1/04	91025	8	46/03	94124	13	38,42,44/02;10,15,17,25, 28/03
74455	3	48/02;1,4,38,49/03	75262	6	38/02;16/03;1/04	91170	2	38,41,44/02	94127	2	33,38/02;6,9,13,16,18/03
74460	4	37,40,46,49/02;6,20, 37/03	75263	9	5,26,31/03;1/04	91280	7	19,43,46/03	94160	7	33,02;10,11/03
74465	2	9,36,38/03	75264	17	33,34,37,41,42,44,45/02; 2,27,32/03;1/04	91289	19	43/03	94080	7	33,44,48/02;10,19,22,32, 51/03
74470	2	8/03	75265	2	6,20,31,32,38,40/03	91294	8	19/03	94082	8	44/02;8,19,22,51/03
74475	2	44/02;42,48/03	76015	1	35,40/02;28,45,52/03; 3/04	91297	9	19/03	94083	12	44/02
74480	2	44/02	76030	9	49/02;52/03;3/04	91300	3	46/03	94120	6	33,38,48,52/02;9,10,17, 18,21/03
74485	3	43/02	76040	8	47/03	91311	3	42/03	94122	7	40/02;35/03
74493	3	38,43,45/02	76050	8	49/02;18,28,52/03	91340	3	42/03	94123	9	33,38,42,44,52/02;9,10, 15,17,18,28/03
74494	2	41/02;8,9,16/03	76052	8	4,5,28/03	92006	5	45,46/02;5/03	94124	13	38,42,44/02;10,15,17,25, 28/03
74510	2	33,35,37/02;5,10,17,18, 35,38/03	76054	5	49/02;52/03	92025	3	42/03	94127	2	33,38/02;6,9,13,16,18/03
74515	4	33,35,39/02;4,7,10,31, 35/03	76056	3	9,37/03	92030	4	42/03	94160	7	33,38,44,46,47,50,51, 52/02;9,10,12,16,17,18, 19,28,31,41,42/03
74517	3	39,41/02;4,31/03	76060	7	40/02;52/03	92150	3	43/03	94164	2	46,50,51/02;12,16,19,41, 42,43/03
74521	3	41/02	76061	3	40/02;9,52/03	92160	3	43/03	94165	4	50/02;18,24,43/03
74530	2	44/02;36,49/03	76070	9	35/02;28,45,47,51/03; 3/04	92170	3	43/03	94180	9	42,44,47,50,51/02;23,28, 44/03
74535	2	42,44,48/02;36,38,49/03	76071	9	35/02;28/03	92290	2	19/03	94184	2	N51/02
74545	3	40/02;18,32/03	76080	8	1,18,47/03	92410	3	42/03	94187	3	14,23,36,45,46,46/03
74550	4	5,32/03	76081	7	28,37/03	92450	3	42/03	94188	2	44,46,47,51/02;8,28/03
74555	3	34,43,44,48,51/02;5/03	76083	3	1,37/03	92560	4	45/02	94201	1	51/02;24,28/03
74560	10	40,43,46,48,50/02;4,5,18, 31,32/03	76120	6	45/03	93006	2	39,45/02;4,8,10,43,44, 48/03	94203	10	41,42,44,46,47,52/02;10, 11,24,41,42/03
74561	2	5/03	76121	8	47/03	93010	6	38,40,41/02;2,13,14,18, 24/03	94206	3	41,42,44,47,52/02;11,19, 44/03
74581	9	34,36,40,41,43,45/02;27, 31,39,48/03	76140	7	46/02	93018	8	1,14,18,24/03	94165	4	50/02;18,24,43/03
74582	9	40/02;17,20,27,31,39, 48/03	76141	8	46/02;28,37,45,52/03	93020	2	38/02;4,13/03	94180	9	42,44,47,50,51/02;23,28, 44/03
74583	15	34,40,43,44,48/02;38, 48/03	76142	1	28/03	93025	5	45/02;45/03	94184	2	N51/02
74584	5	34,41,43,45/02;26,27,36, 38,39,48/03	76144	1	28/03	93030	6	45/02;24/03	94187	3	14,23,36,45,46,46/03
74590	2	51/02	76150	6	35/02	93043	1	45/02	94188	2	44,46,47,51/02;8,28/03
74591	7	40/02;8,38/03	76160	4	28/03	93046	1	45/02;5/03	94201	1	51/02;24,28/03
74595	2	42/03	76161	10	40/02;47/03	93047	2	45,49/02;24/03	94203	10	41,42,44,46,47,52/02;10, 11,24,41,42/03
75000	6	47/02;6,31/03	76162	1	18,28/03	93048	1	35,49/02;5,14,33/03	94206	3	41,42,44,47,52/02;11,19, 44/03
75001	3	47/02;5,6,31,32/03	76170	7	28,52/03	93049	1	45/02;4/03	94207	5	N42,N44,N47,N52/02; N11,N19/03
75010	7	41,42,50/02	76180	1	28/03;3/04	93061	4	45/02	94208	6	N44/02
75025	9	36,39/02;2,4,8,25,27,36, 38,39/03	81004	3	37*,43/03	93101	2	N34,N38/02;N2/03	94216	6	45/02;10,17,42,44,47/03; 1,5/04
75035	18	36,39/02;2,6,26,27/03	81048	9	52/03*	93110	2	38,40,41/02;1,2/03	94217	4	6/03;2,5/04
75051	6	5/03;5/04	81054	14	52/03*	93115	2	40,41/02	94218	3	36/02;6,18/03;2,5/04
75110	2	50/02	81063	5	47/03	93117	2	40,41/02	94219	1	47/02;46/03
75120	2	42/02	81067	6	46/03*	93130	4	34/02;1,14,24,47/03	94220	4	41,42,44,47,49/02;8,10,11, 17,18,33,42,44,47/03; 5/04
75130	16	34,41,50,51/02;5,7,8,16, 19,25,26,37/03	81076	10	41*,44/03	93220	6	34/02;47/03	94260	5	49/02;1,6,11,31/03
75131	7	17,39/03	81092	3	38*,50/02;32/03	93240	11	34/02;16,24,47/03	94280	5	51/02;15,32/03
75132	11	17,19,25,29,32,35/03	81711	6	31/03;1/04	93241	9	8,16,25/03	94281	6	6,42/03
75134	3	33,51/02;5,19,29,37, 45/03	82005	5	17/03	93243	6	42/02	94282	9	46/02;8/03
75142	5	36,42,50/02;35/03	82010	6	17,39/03	93244	7	16/03	94283	7	46/02;2,8,12,32/03
75143	4	33,36,38,42,50/02	82015	13	39/03	93245	6	16,24/03	94290	2	1,7,31/03
75144	3	33,36,42,51/02;4,10,18,	82020	7	39/03	93260	8	7,18,47/03	94292	14	8,47/03
75150	5	25,30,38/03	82192	6	43/03	93280	4	18/03	94298	6	43/02;6,13,03/2/04
75151	5	50/02;16,19,26/03	82200	2	17,41/03	93360	5	38/02	94282	9	46/02;8/03
75160	6	17,18,19,25,32/03	82210	2	42,48/02	93520	13	45/			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 5/04

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.
94380	4	N5,N6,N18/03	95162	2	40,44,47/02;10,14,19,30, 35/03	96944	6	45,52/02;6,13,20/03	97204	9	45,52/02;4,6,10,19,20,25, 33,43,45,47/03
94384	3	5/03	95163	2	1,6,9,10,13,14,17,21/03	96945	3	43,52/02;20,22,23,42/03	97205	3	18,28/03
94420	3	39/02;4,8,11,13,14,23,42, 44,47/03;2/04	95164	4	43,48/02;1,6,9,27/03	96947	15	6,12,13/03	97206	3	50/03*
94421	10	45/02;4/03	95167	10	44/02;1,6,9,11,14,17, 21/03	96949	21	45/02;22/03	97218	3	41/02;6,33/03
94423	12	45/02;11/03	95169	2	44,50,52/02;11,16,23/03	96960	3	7,47/03	97219	4	6,9,13,20,23,25,47/03
94440	2	46/02;18/03	95171	1	1,6,9,21,37/03	96962	4	35/02;1,9,22,33/03	97220	3	37,39,42,43,44/02;6,8,9, 17,18,23,29,33,46,49/03
95016	8	40/02	95172	1	1,9,21,32/03	97000	3	17,40/03	97221	20	37,39,42,44,45,49,52/02; 6,8,9,10,13,17,18,19,20, 22,23,25,26,29,33,46/03
95040	8	40/02;11/03	95173	1	50,52/02;1,28/03	97021	7	40/03	97222	12	47/02;10,22,29/03
95041	7	23,50/03	95174	1	50,52/02;12,27/03	97029	3	40/03	97223	3	42,44,48/02;16,17,22,23, 46/03
95060	13	40,43,44,47,48,52/02;1,6, 11,14,17,19,21,23,29,31, 33/03	95176	2	8,11,30,35/03	97040	5	43,47/02	97224	6	46,47,49/02;45/03
95065	5	48/02;10,31/03	95177	1	41,50/02;9/03	97041	9	45,47/02;10,12,22/03	97225	31	37,39,42,44,45/02;6,8,9, 10,17,18,19,23,25,33,45,
95066	11	41,43,44,47,48,49,50/02; 1,5,6,17,19,21,23,25,27, 31,32,33,37/03	95180	11	40,42,44,49/02;1,6,9,10, 21,23/03	97042	7	14,20/03	97226	7	18,41/03
95067	13	41,44,46/02;1,5,10,17,23, 28,37/03	95185	2	40,44,49/02;10,35/03	97043	2	14,20/03	97227	11	42,43/02;9,18,30,34/03
95068	1	41,42,45,47/02;12,14,17, 25,28,37/03	95200	6	23/03	97060	8	46/02;12,14,22,26/03	97228	15	39,40,42,43/02;5,6,9,15, 17,18,20,21,22,27,29,35, 49,52/03
95080	13	33,40,44,45,50,52/02;1,6, 7,9,10,14,17,19,21,24,25, 27,28,30,31,32,48,52/03	95250	4	44/02;1,6,16,20,22,36/03	97061	3	52/02	97229	12	36,39,47/02;6,8,9,18,28, 33/03
95082	9	33,44,46/02;1,4,7,11,17, 25,27,28,30,52/03	95255	2	44/02;1,7,13/03	97063	2	48/03*	97230	18	36,52/02;6,9,28,33/03
95083	8	33/02;1,4,19,28/03	95258	3	6,16,18/03	97064	2	6,14,33,45/03	97231	11	41/02;6,23,33/03
95084	7	50,52/02;8,12,17/03	95261	7	48/02;1,5,9,16,23,28,36, 47/03	97065	2	48/03*	97232	8	22,25,33/03
95085	4	45/02/02;1,6,11,12,27, 33/03	95262	13	41,46/02;1,6,9,27,36/03	97080	5	16,22,26/03	97233	11	33,43,44,49/02;1,5,6,9, 15,16,23,33,35/03/2/04
95086	5	45,52/02;1,6,8,11,12,23, 27,31,33/03	95264	8	48/02;25/03	97082	5	46/02;16,34/03	97234	17	43,47,49/02;1,6,8,9,16, 41/03
95087	3	33,40,48/02;1,8,30, 31/03;1/04	95267	5	13,20,23,26,36,49/03	97083	3	29,34,35/03	97235	2	52/03*
95100	12	38,39,43,44,45,46,47,50, 52/02;1,4,6,7,8,9,10,17, 23,25,27,28,29,31,37/03; 4/04	95268	16	39,48/02;6,9,13/03	97100	4	42,47/02;16,17,26,49/03	97236	20	47/02;9,16,23,35,41/03
95101	8	39,44,50/02;1,5,6,9,14, 17,28,31/03	95270	4	48/02;9,10,13,20,21,22, 23,26,36,52/03	97101	2	50/03*	97237	6	41/03
95102	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14,17, 23,25,27/03;1/04	95271	4	44,48/02;9,10,12,13,20, 26,36/03	97104	4	7,41/03	97239	10	33/02;1,5,9,16,23/03
95103	8	42,43,45,47,52/02;4,6,7, 10,12,19,27,28,31/03	95273	2	48/02	97105	3	41/03	97241	6	10/03;1/04
95104	15	33,40,44,45,50,52/02;8, 16,17,19,23,24,25,27,28, 30,35,36/03	95274	3	48/02;23,28,36,43/03	97108	4	50/03*	97243	8	33,48/02;1,5,6,21,27, 33/03
95105	12	38,39,43,44,45,46,47,50, 52/02;1,4,6,7,8,9,10,17, 23,25,27,28,29,31,37/03;	95276	4	1/04*	97110	17	33,37,39,43,45/02;7,9,14, 16,25,40,44,45,46,49, 52/03	97244	5	9/03
95106	8	39,44,50/02;1,5,6,9,14, 17,28,31/03	95280	9	48/02;8,20,26,52/03	97114	5	40,46/02;8,13,20/03	97245	11	36/02;1,5,9,29/03
95107	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14,17, 23,25,27/03;1/04	95281	15	7,10,14,36,45/03	97114	11	43,45/02;9,13,20,25,26, 44/03/04/03	97246	7	43,52/02;5/03
95108	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14,17, 23,25,27/03;1/04	95282	7	46,52/02;4,6,9,19,20,22, 23/03	97115	14	33,37,39,43,45/02;7,9,14, 16,25,40,44,45,46,49, 52/03	97247	4	6,10,17,36,52/03
95109	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14,17, 23,25,27/03;1/04	95284	8	42,47/02;1,10,40,44/03	97116	10	44/02*15,39/03	97248	15	41/02;1,5,7,18,21,26, 44/03/1/04
95110	7	42,43,52/02;1,4,14,21, 26/03	95286	16	9,13,16,20/03	97118	9	45/02;9,27/03	97249	10	34/02;1,5,6,7,15,21,26, 33,46/03/2/04
95111	7	42,43,52/02;1,4,14,21, 26/03	95288	15	35,38/02;20,21,26,33, 40/03	97119	20	34,35,44,45/02;1,16, 25/03	97250	10	5,7,9,15,18,21,46/03; 2/04
95112	8	45,46,48,49,50,52/02;8, 16,17,19,23,24,25,27,28, 30,35,36/03	95290	3	38/02;34,51/03	97120	6	37,40,42,43/02;9,14,16, 17,25,40,44,45,49/03	97251	5	52/03*
95113	8	45,46,48,49,50,52/02;8, 16,17,19,23,24,25,27,28, 30,35,36/03	95292	2	36/03	97121	17	33,37,39,43,45/02;7,9,14, 16,25,40,44,45,46,49, 52/03	97252	20	47/02;9,16,23,35,41/03
95114	9	38,41,46,48,50,52/02;1,6, 8,9,10,11,13,16,21,23,24, 35,37/03	95294	1	31,32/03	97122	11	52/02;6,10,12,14,23,37, 47/03/1/04	97253	11	34/02;1,5,6,7,14,15, 18,26,42/03/1,2/04
95115	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,21,23,25,29,37, 36/03	95296	4	12/03	97123	16	40,41/02;1,5,6,8,10,13, 18,26,27,42/03	97254	16	40,41/02;1,5,6,8,10,13, 18,26,27,42/03
95116	9	50,52/02;8,10,19,23, 29/03	95298	11	39,44,45/03	97124	10	5,7,9,15,18,21,46/03; 2/04	97255	5	37,41/02;1,5,6,7,14,15, 18,26,42/03/1,2/04
95117	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,21,23,25,29,37, 36/03	95300	11	10,21,39,40,44,45/03	97125	6	37,41/02;1,5,6,7,14,15, 18,26,42/03/1,2/04	97256	12	37,39/02;6,10,12,26,35, 41,44/03
95118	8	38,40,41,44,48,49,52/02; 1,7,8,9,10,17,21,24,25, 27,28,29,33,35,37,51,52/03; 4/04	95302	10	23,38,51/03/2/04	97126	10	34/02;1,5,6,7,15,21,26, 33,46/03/2/04	97257	11	52/02;6,10,12,14,23,37, 47/03/1/04
95119	8	45,47,50,52/02;1,6,7,8, 17,19,21,23,25,29,37	95304	1	41/02	97127	11	34/02;1,5,6,7,14,15, 18,26,42/03/1/04	97258	19	34,39,45/02;6,9,15,17,18, 23,37,47,52/03
95120	7	42,43,52/02;1,4,14,21, 26/03	95306	1	10/03	97128	2	33/02;21/03	97259	3	52/03*
95121	7	42,43,52/02;1,4,14,21, 26/03	95308	7	10/03	97129	6	34,39,43,45,46,48/02;4,8, 13,18,20,28/03	97260	2	50/03*
95122	8	45,47,50,52/02;1,6,7,8, 17,19,21,23,25,29,37	95310	8	12/03	97130	6	37/02;1,14/03	97261	15	41/02;1,5,7,18,21,26, 44/03/1/04
95123	8	45,47,50,52/02;1,6,7,8, 17,19,21,23,25,29,37	95312	4	51/03	97131	7	14,16,52/03	97262	10	34/02;1,5,6,7,15,21,26, 33,46/03/2/04
95124	9	50,52/02;8,10,19,23, 29/03	95314	4	45,51/03	97132	1	7,16,52/03	97263	10	5,7,9,15,18,21,46/03; 2/04
95125	9	50,52/02;8,10,19,23, 29/03	95316	1	10/03	97133	1	33/02;21,46/03	97264	16	40,41/02;1,5,6,8,10,13, 18,26,27,42/03
95126	9	50,52/02;8,10,19,23, 29/03	95318	2	10/03	97134	2	33/02;21/03	97265	11	52/02;6,10,12,14,23,37, 47/03/1/04
95127	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,21,23,25,29,37, 36/03	95320	4	12/03	97135	14	14,36/03	97266	5	37,41/02;1,5,6,7,14,15, 18,26,42/03/1,2/04
95128	8	45,47,50,52/02;1,5,6,7,8, 17,19,21,23,25,29,37	95322	1	41/02	97136	1	7,14,16,52/03	97267	16	40,41/02;1,5,6,8,10,13, 18,26,27,42/03
95129	8	45,47,50,52/02;1,5,6,7,8, 17,19,21,23,25,29,37	95324	3	41/02	97137	1	7,16,52/03	97268	10	6/03
95130	9	50,52/02;8,10,19,23, 29/03	95326	1	10/03	97138	1	33/02;21,46/03	97269	11	45/02;8,13,18,27/03
95131	9	50,52/02;8,10,19,23, 29/03	95328	4	31/03	97139	2	40/03*1/04	97270	6	36,44/02;1,5/03
95132	9	50,52/02;8,10,19,23, 29/03	95330	1	10/03	97140	5	50/03*	97271	12	37,39/02;6,10,12,26,35, 41,44/03
95133	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,21,23,25,29,37, 36/03	95332	4	12/03	97141	14	14,36/03	97272	11	52/02;6,10,12,14,23,37, 47/03/1/04
95134	8	45,47,50,52/02;1,5,6,7,8, 17,19,21,23,25,29,37	95334	1	41/02	97142	7	14,36/03	97273	11	34*52/03/1/04
95135	9	50,52/02;8,10,19,23, 29/03	95336	3	41/02	97143	8	52/03*	97274	19	34,39,45/02;6,9,15,17,18, 23,37,47,52/03

## SECTION I

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 33/02 THROUGH NM 5/04**

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.			
97380	7	39,47,52/02;1,2,8,16,23, 38,40,45/03			
97381	7	7,13,27,43,45/03			
97382	2	41,45/02;4,42/03			
97383	16	5,7,13,42,46,47/03			
97384	4	47/02;19/03			
97385	10	52/02;5,6,7,9,46,47/03			
97387	2	4,5,7,42,46/03			
97389	2	45*,47/03			
97390	5	39,40/02;2,5,12,16,36/03			
97391	26	6,7,12,16/03			
97392	5	1,21,23,26,33,38/03			
97396	14	36,39,40/02;2,16,17,23, 33,38/03;2/04			
97397	7	39,49/02;16,26,44,49/03			
97398	4	43/03*			
97400	4	34*,44,49/03			
97410	9	50/03*:2/04			
97412	7	40/02;47/03			
97420	17	34,39,42,47,52/02;1,8,10, 33,38,40,45/03;1/04			
97421	13	35,36/02;1,10,13,20,26, 36/03			
97423	2	35,36/02;1,13,20,26, 36/03			
97425	6	34,39,47,52/02;1,6,8,10, 45/03;1,2/04			
97440	8	52/02;1,16,19,27,43, 47/03			
97441	5	46/02;47/03			
97443	6	15,19,25,47/03			
97460	7	40/02;5,19,21,47/03			
97461	9	5,8,19,21,22,23,26/03			
97465	9	1,6,8,19,20,22,33,37/03			
97466	2	46/02;1,23,27/03			
97469	10	1,6,8,19,20,22,33,37/03			
97471	5	N22,N33/03			
97472	8	34/02;33/03			
97474	7	22/03			
97480	7	35,52/02;3,9,10,17,18, 21/03			
97481	6	47,49/02;9,18,20/03			
97483	7	48,52/02;20/03			
97521	6	42/02;16,18,20/03			
97564	3	16/03			
800669	8	N1/04			
800744	1	N49/02;N5,N12,N13, N16,N36,N47,N50/03			
801217	1	N6,N8,N19,N20,N22, N33,N37/03			
801885	3	N34/03			
801902	9	N25,N31/03			
801953	1	N39,N52/03			
802202	8	N35/02;N1,N7/03			
802260	5	N1/04			
804059	2	N43/03			
804567	4	N31/03			
805118	3	N12,N36/03			
805647	2	N37,N51/02;N30/03			
806927	8	N25,N30,N39/03			
807370	5	N17,N25,N30,N31, N39/03			
807861	2	N22/03			
808365	2	N14/03			
809055	7	N16/03			
809310	9	N39/02			
809679	2	N50/02;N12,N27/03			

## SECTION II

**NM 5/04**

### NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
REGION 1								
11XHA11467 (7642014010255)	West Palm Beach to Miami	40,000	<u>38</u>	<u>10/03</u>	NOS	1-94	5/04	
13XHA13324 (7642014010481)	<u>Tibbett Narrows to Schoodic Island</u>	40,000	<u>14</u>	<u>11/03</u>	NOS	1-29,95	5/04	
14XCO14824 (7642014010571)	Sixteenmile Creek to Conneaut (LORAN-C) Inset: Conneaut Harbor	80,000 12,500	<u>26</u>	<u>10/03</u>	NOS	1-96	5/04	
16XHA16087 (7642014011341)	Icy Cape to Nokotlek Point	50,000	<u>7</u>	<u>10/03</u>	NOS	1-97	5/04	
16BHA16478 (7642014011316)	Tagalak Island to Great Sitkin Island Inset: Sand Bay-Northeast Cove	30,000 10,000	<u>10</u>	<u>11/03</u>	NOS	1-97	5/04	
18BHA18430 (7642014011563)	Rosario Strait-Northern Part	25,000	<u>8</u>	<u>10/03</u>	NOS	1-98	5/04	
18AHA18474 (7642014012197)	Shilshole Bay to Commencement Bay	40,000	<u>8</u>	<u>10/03</u>	NOS	1-98	5/04	
18BHA18521 (7642014011573)	Columbia River-Pacific Ocean to Harrington Point Inset: Ilwaco Harbor (Inset not shown on index)	40,000 20,000	<u>70</u>	<u>10/03</u>	NOS	1-98	5/04	
18BHA18523 (7642014011577)	Columbia River-Harrington Point to Crims Island	40,000	<u>54</u>	<u>10/03</u>	NOS	1-98	5/04	
19XHA19361 (7642014011706)	<u>Port Wai'anae</u>	10,000	<u>8</u>	<u>10/03</u>	NOS	1-92,99	5/04	
REGION 2								
22XHA22284 (7642014476570)	Canceled					2-18,19, 62	5/04	
22BHA22286 (7642014973496)	<u>Bahia Tongoy</u> <u>30 19 43S 71 40 32W</u> <u>30 06 26S 71 28 02W</u>	<u>25,000</u>	<u>1</u>	<u>11/03</u>	<u>A</u>	2-18,19, 62	5/04	
MISCELLANEOUS CHARTS AND PUBLICATIONS								
NOSPBCP2 (7642014008447)	<u>No. 2 Cape Cod to Sandy Hook, 2004</u>				NOS	10-25	5/04	

Price Categories effective 1 October 2002

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

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

\* Not for sale or reproduction outside U.S.A.

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

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

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

## NAVIGATION PUBLICATIONS

**SAILING DIRECTIONS CORRECTIONS****PUB 120      2 Ed 2001      LAST NM 52/03**

Page 24—Lines 46 to 58/R; read:

AusSAR, a unit of the Australian Maritime Safety Authority (AMSA), has assumed responsibility for both maritime and aviation search and rescue operations.

When a ship or an aircraft is in distress in the Australian Search and Rescue Region (SRR), the boundaries of which are identical to the boundaries of the AUSREP area, assistance may be given by vessels in the vicinity and/or the following authorities:

1. Australian Maritime Safety Authority (AMSA) through AusSAR, specifically the Rescue Coordination Center Australia (RCC Australia), is responsible for search and rescue for civil aircraft, for merchant ships outside port limits, and for small craft beyond the capacity of regional SAR resources. RCC Australia, located in Canberra, coordinates aircraft and surface vessels involved in search and rescue operations within the Australian SRR and can be contacted by e-mail, as follows:

rccaus@amsa.gov.au

RCC Australia is also the Australian Mission Control Center (AUMCC) for the COSPAS/SARSAT International Satellite System used for the detection of distress beacons. It is manned continuously and may be contacted through the AMSA HF DSC network or via INMARSAT.

2. The AMSA HF DSC Network, which has stations located in Wiluna (Western Australia) and Charleville (Queensland), is controlled from RCC Australia and will respond to initial calls on HF DSC. Vessels wishing to communicate with the HF DSC network (call sign RCC Australia; MMSI number 005030001) are required to initiate a DSC call on the International Distress Alerting Frequencies (4207.5 kHz, 6312.0 kHz, 8414.5 kHz, 12577.0 kHz, and 16804.5 kHz). The INMARSAT Land Earth Station (LES) at Perth provides communications through both the Indian Ocean Region (IOR) and Pacific Ocean Region (POR) satellites. Details of Australian Maritime Communications Stations (MCS) can be found in relevant International Telecommunications Union (ITU) and ALRS publications.

(Aus Annual Notice No. 4 of 2004; BA NP 285)      5/04

Page 25—Lines 1 to 9/L; strike out.

(NGA)      5/04

Page 25—Lines 23 to 26/L; strike out.

(Aus Annual Notice No. 4 of 2004)      5/04

Page 28—Lines 15/L to 20/R; strike out.

(NGA)      5/04

Page 121—Line 10/L; insert after:

**Search and Rescue**

(NGA)

**125**

5/04

Page 125—Line 57/L; insert after:

**Search and Rescue**

The Marine Department of the Malaysian Ministry of Transport is responsible for coordinating search and rescue operations.

Each Maritime Rescue Coordination Center (MRCC) and Maritime Rescue Coordination Subcenter (MRSC) maintains a continuous listening watch on 2182 kHz and VHF channel 16 for distress traffic. Most centers can be contacted by e-mail, as listed in the accompanying table.

(BA NP 285)

5/04

Page 125—Line 57/L; insert after:

New table titled **Malaysia—MRCC and MRSC E-mail Addresses** from back of this Subsection.

(BA NP 285)

5/04

**PUB 148      7 Ed 2001****LAST NM 52/03**

Page 45—Lines 39 to 42/L; read:

**2.42** From Araya to Punta Arena, 4.5 miles SSE, the coast is fronted by bluffs, 15 to 18m high. A light is situated about 3.5 miles S of Araya on the coast near Punta Arena.

**Golfo de Cariaco** ( $10^{\circ}30'N$ ,  $64^{\circ}00'W$ ) is a large, narrow bay entered between Punta Arena and Punta Carenero, 3 miles

(US NM 1/24431/04)

5/04

**PUB 160      2 Ed 2002****LAST NM 2/04**

Page 25—Lines 43 to 48/R; read:

AusSAR, a unit of the Australian Maritime Safety Authority (AMSA), has assumed responsibility for both maritime and aviation search and rescue operations.

When a ship or an aircraft is in distress in the Australian Search and Rescue Region (SRR), the boundaries of which are identical to the boundaries of the AUSREP area, assistance may be given by vessels in the vicinity and/or the following authorities:

1. Australian Maritime Safety Authority (AMSA) through AusSAR, specifically the Rescue Coordination Center Australia (RCC Australia), is responsible for search and rescue for civil aircraft, for merchant ships outside port limits, and for small craft beyond the capacity of regional SAR resources. RCC Australia, located in Canberra, coordinates aircraft and surface vessels involved in search and rescue operations within the Australian SRR and can be contacted by e-mail, as follows:

rccaus@amsa.gov.au

**PUB 160 (Continued)**

RCC Australia is also the Australian Mission Control Center (AUMCC) for the COSPAS/SARSAT International Satellite System used for the detection of distress beacons. It is manned continuously and may be contacted through the AMSA HF DSC network or via INMARSAT.

2. The AMSA HF DSC Network, which has stations located in Wiluna (Western Australia) and Charleville (Queensland), is controlled from RCC Australia and will respond to initial calls on HF DSC. Vessels wishing to communicate with the HF DSC network (call sign RCC Australia; MMSI number 005030001) are required to initiate a DSC call on the International Distress Alerting Frequencies (4207.5 kHz, 6312.0 kHz, 8414.5 kHz, 12577.0 kHz, and 16804.5 kHz). The INMARSAT Land Earth Station (LES) at Perth provides communications through both the Indian Ocean Region (IOR) and Pacific Ocean Region (POR) satellites. Details of Australian Maritime Communications Stations (MCS) can be found in relevant International Telecommunications Union (ITU) and ALRS publications.

(Aus Annual Notice No. 4 of 2004; BA NP 285) 5/04

Page 26—Lines 1 to 13/L; strike out.  
(NGA) 5/04

Page 26—Lines 26 to 30/L; read:  
or not required to do so by regulations.  
(Aus Annual Notice No. 4 of 2004) 5/04

Page 59—Line 10/L; insert after:  
**Search and Rescue**  
(NGA) 5/04

Page 61—Line 14/L; insert after:  
**Search and Rescue**

The Middle East Search and Rescue Center at the Joint Rescue Coordination Center (JRCC) Cairo is responsible for coordinating search and rescue operations and can be contacted by e-mail, as follows:

jrcc136@afmic.gov.eg

A network of coast radio stations maintains a continuous listening watch on international distress frequencies.  
(BA NM 43/03, Section VI) 5/04

Page 107—Line 9/L; insert after:  
**Search and Rescue**  
(NGA) 5/04

Page 108—Line 21/R; insert after:  
**Search and Rescue**

The Ports and Shipping Organization is responsible for coordinating maritime search and rescue operations. The

Maritime Rescue Coordination Center (MRCC) Tehran can be contacted by e-mail, as follows:

tehran\_mrcc@ir-psco.com

Maritime Rescue Coordination Subcenters (MRSC) are located, as follows:

1. MRSC Bandar-e Abbas (Persian Gulf).
2. MRSC Bushehr (Persian Gulf).
3. MRSC Chah-bahar (Gulf of Oman).

A network of coast radio stations maintains a continuous listening watch on international distress frequencies.  
(BA NP 285) 5/04

Page 113—Line 8/L; insert after:

**Search and Rescue**  
(NGA) 5/04

Page 115—Line 14/L; insert after:

**Search and Rescue**

The Israeli Navy and Air Force are responsible for search and rescue in Israeli waters. The Rescue Coordination Center, based at the Israeli Navy and Air Force Headquarters, can be reached through Hefa Radio.

A network of coast radio stations along the Mediterranean coast of Israel maintains a continuous listening watch on international distress frequencies. Elat Coast Radio Station, on the Gulf of Aqaba, maintains a continuous listening watch on VHF channel 16 for distress traffic.  
(BA NP 285) 5/04

Page 123—Line 9/L; insert after:

**Search and Rescue**  
(NGA) 5/04

Page 124—Line 22/R; insert after:

**Search and Rescue**

The Maritime Affairs Department is responsible for coordinating search and rescue operations and can be reached by e-mail, as follows:

marine-dept@mockw.net

(BA NM 33/03, Section VI) 5/04

Page 129—Line 25/R; insert after:

**General**

The Marine Department of the Malaysian Ministry of Transport is responsible for coordinating search and rescue operations.

Each Maritime Rescue Coordination Center (MRCC) and Maritime Rescue Coordination Subcenter (MRSC) maintains a continuous listening watch on 2182 kHz and VHF

**PUB 160 (Continued)**

channel 16 for distress traffic. Most centers can be contacted by e-mail, as listed in the accompanying table.

(BA NP 285)

5/04

Page 129—Line 30/R; insert after:

New table titled **Malaysia—MRCC and MRSC E-mail Addresses** from back of this Subsection.

(BA NP 285)

5/04

Page 147—Line 8/L; insert after:

**Search and Rescue**

(NGA)

**148**

5/04

Page 148—Line 35/R; insert after:

**Search and Rescue**

The Ports and Shipping Wing of the Ministry of Communications is responsible for coordinating search and rescue operations. The Maritime Rescue Coordination Center (MRCC) Pakistan can be contacted by e-mail, as follows:

mrccpmsa@cyber.net.pk

Karachi Coast Radio Station maintains a continuous listening watch on international distress frequencies.

(BA NM 28/03, Section VI)

5/04

Page 157—Line 9/L; insert after:

**Search and Rescue**

(NGA)

**159**

5/04

Page 159—Line 3/L; read:

**Search and Rescue**

A network of coast radio stations in the Persian Gulf and the Red Sea maintains a continuous listening watch on international distress frequencies.

**Signals**

(BA NP 285)

5/04

Page 203—Line 10/L; insert after:

**Search and Rescue**

(NGA)

**204**

5/04

Page 204—Line 14/R; insert after:

**Search and Rescue**

Emirates Coast Radio Station maintains a continuous listening watch on VHF channel 16 for distress traffic.

(BA NP 285)

5/04

**PUB 172            9 Ed 2001**

**LAST NM 4/04**

Page 52—Line 35/R; read:

increase. Berths 17-18 have been extended W; the area N of

the extension has been dredged (2002) to a depth of 12m.

(51(5546)03 Taunton)

5/04

Page 53—Lines 7 to 12/R; strike out.

(US NM 28/62142/02)

5/04

Page 208—Lines 15 to 22/R; read:  
dredged to depths of 8.5 to 10.5m.

(NGA)

5/04

Page 208—Line 25/R; insert after:

New table titled **Ash Sharqah Berthing Facilities (2003)** from back of this Subsection.

(Fairplay; Lloyds Ports; PUBS 002/04)

5/04

Page 231—Lines 41/L to 25/R; read:

**Pilotage**

Pilotage is compulsory for vessels over 250 grt intending to transit the entrance channel to Khawr Al Qulayah.

Vessels between 250 and 1,500 grt may be given permission to proceed without a pilot according to the circumstances prevailing at the time.

Bahrain Pilots provides pilotage for all vessels bound for Khawr al Qulayah, as well as the GIIC Terminal, the Alba Jetty, and the BAPCO Terminal.

ASRY Pilots provides pilotage for vessels bound for the ASRY Drydock.

Both pilotage authorities coordinate their activities through Bahrain Port Control.

Vessels should send their ETA to the pilot 24 hours and 12 hours prior to arrival.

Pilots board about 0.1 mile E of Sitrah Lighted Buoy, except for the BAPCO Terminal; pilots for this facility board at the anchorage.

**Regulations**

**GIIC Terminal.**—Vessels should send their ETA at least 72 hours in advance, via Bahrain (A9M), including the following information:

1. Last three ports of call.
2. Arrival drafts, fore and aft, and berthing displacement.
3. State of readiness to berth/unload.

When within VHF range, vessels should establish contact on VHF channel 68 with Bahrain Port Control and the BAPCO Terminal to obtain the latest movement schedule from Bahrain Pilots.

**BAPCO Terminal (Bahrain Petroleum Company BSC Terminal).**—Vessels should send their ETA, draft, and bunker fuel requirements 48 hours in advance through Bahrain (A9M). When within VHF range and when at anchor, vessels should maintain a continuous listening watch on VHF channel 16 and 74. The BAPCO terminal can be contacted by e-mail, as follows:

info@bapco.net

**PUB 172 (Continued)**

**ASRY Drydock.**—Vessels should send their ETA at least 72 hours in advance, via Bahrain (A9M), including the following information:

1. Last three ports of call.
2. Arrival drafts, fore and aft, and berthing displacement.
3. State of readiness to berth/unload.
4. Whether vessel is gas free and ready to berth.
5. Whether vessel requires tank cleaning.

When within VHF range, vessels should establish contact on VHF channel 16 with the ASRY Drydock.

**Alba Jetty (Aluminum Bahrain).**—Vessels should send their ETA at least 72 hours in advance, via Bahrain (A9M), including the following information:

1. Last three ports of call.
2. Arrival drafts, fore and aft, and berthing displacement.
3. State of readiness to berth/unload.
4. Bunker requirements.

When within VHF range, vessels should establish contact with Bahrain Port Control and the BAPCO Terminal on VHF channel 8 to obtain the latest movement schedule from Bahrain Pilots. When alongside, vessels communicate with the wharf staff on VHF channel 8.

**Vessel Traffic Management System.**—A Vessel Traffic Management System is in operation in the approaches to the port, including the Deepwater Fairway and the Northeast Approach Channel.

Inbound vessels over 50 grt should contact Bahrain Port Control Operations, as follows:

1. Vessels should radio their ETA at Sitrah Lighted Buoy (26°10.2'N., 50°42.9'E.), with draft and details of any deficiencies in vessel handling or seaworthiness, when within VHF range.
2. Vessels using Deepwater Fairway should request permission to proceed past Lighted Buoy No. 3 (26°29'N., 50°57'E.).
3. When passing the charted Reporting Points.
4. Vessels should report their intention to anchor to Port Control in sufficient time for an alternative anchorage to be stipulated.
5. When berthed, moored, or anchored.

Outbound vessels over 50 grt should contact Bahrain Port Control Operations, as follows:

1. Vessels should contact Port Control 15 minutes before, and immediately prior to, getting underway.
2. When passing the charted Reporting Points.
3. Vessels using Deepwater Fairway should request permission to proceed past Bahrain Approach Lighted Buoy.

All vessels are required to maintain a continuous listening watch on VHF channel 74 when within the port area, including while anchored. Bahrain Port Control should be contacted if the vessel is to shift berth or anchorage and again when the vessel is situated.

Vessels berthing at Sitrah should have their outboard anchor cleared and ready to let go before approaching the dock; however, the anchor should not be let go in the vicinity of the dock, except on the advice of the Mooring Master.

(BA NP 286(3); PUBS 001/04)

5/04

Page 232—Line 5/L; read:

chart centered about 1.2 miles SE of Sitrah Lighted Buoy. A  
(US CH 62413) 5/04

Page 262—Lines 1 to 2/R; read:  
perceptible.

In the Shatt al Arab, both the time and height of the tide are much affected by the prevailing wind. A strong kaus (a SE wind) will raise the level of the river by 0.6 to 0.9m and accelerate the time of HW; a strong shamal (a NW wind) will lower the level of the river and retard the time of HW.

The change in the tidal current in the Shatt al Arab does not occur at LW because the current going in must attain sufficient strength to overcome the river outflow, which varies seasonally, being greatest in May, June, and July and least in October and November.

The strength of the current in the outer part of the Shatt al Arab varies considerably, depending upon the height of the tide and the stage of the river. The current going in may not exist or it may attain a rate as great as 2 knots.

The maximum rate of the outgoing current is 3 to 3.5 knots at springs and 2 to 2.5 knots at neaps. Mixed currents are common, with the surface current running in one direction and the subsurface current running in another, or even the opposite, direction.

Seasonal variations in the level of the river are small at the Outer Bar, as follows:

1. July to September—0.1m above normal.
2. January to April—0.1m below normal.

Seasonal variations at Al Basrah are considerable, as follows:

1. May to July—0.7m above normal. The river is discharging the combined flood waters of the Euphrates River and the Tigris River.
2. October and November—0.4m below normal.

The dry season commences in autumn and continues until spring, when the inland snows begin to melt; during winter, however, frequent freshets are caused by local rains.

In Outer Bar Reach, described in paragraph 17.18, the currents set fairly through the channel, except at spring tides, when at either end there is a strong N set on the flood current and a strong S set on the ebb current; at neap tides, these cross-currents are inappreciable.

The maximum rate of the flood current, which at springs is from 1.5 to 2 knots and at neaps from 1 knot to 1.5 knots, occurs at about half tide.

The maximum rate of the ebb current is from 3 to 3.5 knots at springs and from 2 to 2.5 knots at neaps.

At spring tides, the flood current continues to flow for about 40 minutes after the time of HW; at neaps, it is irregular, but usually continues for about 1 hour after HW. The ebb current continues for about 30 minutes after LW at springs and for about 1 hour after LW at neaps.

During the river flood season, when there are small tides, the flood tidal current is not felt at all, especially upriver; even at a position about 1 mile above Outer Bar Reach Light Beacon D, little or no flood current is felt.

(BA CH 3842) 5/04

## **PUB 172 (Continued)**

Page 262—Lines 23 to 27/R; read:

**Caution.**—Major hydrographic changes have occurred in the Shatt al Arab and its approaches, especially in Outer Bar Reach. Recent satellite imagery (2002) shows a major shift in the location of the channel; depths in the area may have changed considerably or are unknown. There are many charted and uncharted obstructions and the aids to navigation are unreliable. The exact location of the international boundary between Iran and Iraq, which was based on a 1978 agreement declaring the thalweg (the deepest part of the channel) to be the boundary, is not precisely known. Mariners are advised to use extreme caution when navigating in this area.

(US NM 4/62434/04) 5/04

Page 263—Line 50/R to Page 264—Line 11/L; strike out.  
(NGA) 5/04

Page 265—Lines 53/L to 23/R; strike out.  
(NGA) 5/04

#### **COAST PILOT CORRECTIONS**

**COAST PILOT 7**      **35 Ed 2003**      **Change No. 19**  
**LAST NM 51/03**

Page 133—Paragraph 1905, line 3 to Paragraph 1907; read:  
Notice (Entry 7) to Table 160.206.

(d) [Suspended]  
(e) [Suspended]  
(FR 5/22/03; CL 1105/03) 5/04

Page 135—Table 160.206; item 8; read:

(8) [Suspended]  
(FR 5/22/03; CL 1105/03) 5/04

Page 136—Paragraph 1957, lines 8 to 12; read:  
of Canada by fax at 315-764-3235 or at 315-764-3200.

(FR 5/22/03; CL 1105/03) 5/04

Page 136—Paragraph 1958, line 4 to Paragraph 1963; read: Captain of the Port (COTP).

(d) [Suspended]  
(FR 5/22/03; CL 1105/03) 5/04

Page 136—Paragraphs 1970 to 1972; read:

(c) [Suspended]  
(FR 5/22/03; CL 1105/03) 5/04

<b>Malaysia—MRCC and MRSC E-mail Addresses</b>	
MRCC Malaysia (MRCC Port Klang)	mrcc@marine.gov.my
MRSC Penang	mrsc_penang@marine.gov.my
Peninsular Malaysia	
MRSC Johor	mrsc_johor@marine.gov.my
MRSC Kuala Terengganu	mrsc_terengganu@marine.gov.my
Sabah and Sarawak	
MRSC Luban	mrsc_labuan@marine.gov.my
MRSC Sandakan	—
MRSC Kuching	mrsckuc@jls.gov.my

<b>Malaysia—MRCC and MRSC E-mail Addresses</b>	
MRCC Malaysia (MRCC Port Klang)	mrcc@marine.gov.my
MRSC Penang	mrsc_penang@marine.gov.my
Peninsular Malaysia	
MRSC Johor	mrsc_johor@marine.gov.my
MRSC Kuala Terengganu	mrsc_terengganu@marine.gov.my
Sabah and Sarawak	
MRSC Luban	mrsc_labuan@marine.gov.my
MRSC Sandakan	—
MRSC Kuching	mrsckuc@jls.gov.my

<b>Ash Sharqah Berthing Facilities (2003)</b>			
<b>Berth</b>	<b>Length</b>	<b>Max. draft</b>	<b>Remarks</b>
1A	575m	11.5m	Container, general, and bulk cargo.
1		10.5m	Container, general, and bulk cargo.
2		10.5m	Container, general, and bulk cargo.
3	725m	8.5m	General cargo.
4		8.5m	General cargo.
5		9.5m	General cargo and ro-ro vessels.
6		9.5m	General cargo and ro-ro vessels.
7	220m	9.5m	Ro-ro vessels.
8	375m	8.5m	General and refrigerated cargo.
9		8.5m	General and refrigerated cargo.
10	400m	8.5m	General and refrigerated cargo.
11		9.5m	General, dry bulk, and liquid bulk cargo.
North Wharf	1,000m	6.0m	Lube oil and offshore support services. Contains a total of five berths.
Saipen Berths	450m	8.5m	General cargo. Contains a total of three berths.
Oil Terminal	244m	10.5m	T-head pier with breasting dolphins located on the inside of the main breakwater. Can accommodate tankers up to 30,000 dwt.

## 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
30665 39910	- Channel Lighted Buoy 30		Q R		3	Red with yellow square.	
			*		*		5/04
39640	- LIGHT 130		FIR 4s	15	4	TR-TY on pile.	
				*	*		5/04
39910 30665	- Channel Lighted Buoy 30		Q R	15	3	Red with yellow square.	
		*	*		*	*	5/04

### 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
3147	- Daybeacon 88A						Remove from list.
							*
6605	- Lighted Whistle Buoy 17		FIR 2.5s		3	Green.	
		*					5/04
25680.5 1505.5	CLEARWATER PASS LIGHT 2	27 58 07 N 82 50 18 W	FIR 2.5s	16	3	TR on pile.	
		*					5/04

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

## SECTION II

### CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3600	Pointe a l'Ilet East, on dolphin. <i>H 2143.82</i>						Remove from list.
						*	5/04
3604	Pointe a l'Ilet. <i>H 2143.8</i>						Remove from list.
						*	5/04
6528	Montmagny Range, front, S. <i>H 2250</i> government wharf, head.	46° 59.2' N 70° 33.2' W	F.R.	26 8	12	Square skeleton tower, fluorescent orange daymark, black stripe; 20.	Visible on range line only.
					*	*	*
6532	-Rear, 92 meters 169°19' from <i>H 2250.1</i> front.	46° 59.1' N 70° 33.2' W	F.R.	47 14	12	Square skeleton tower, fluorescent orange daymark, black stripe; 25.	
					*		5/04
6544	Beaujeu Channel, E. side of <i>H 2238</i> Crane Island						Remove from list.
						*	5/04

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18792 <i>F 3752</i>	<i>CHANGJIANG KOU LIGHTSHIP.</i>	31° 06.0' N 122° 28.1' E	Fl.W. period 6s		10	Red hull.	Bell. Radar reflector.
RACON			0(---)				
		*					5/04

### 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
*4796.4 <i>E 0273.3</i>	-Dique, head.	38° 58.6' N 1° 17.9' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	3	Red round column, white square base, red rectangular daymark; 30.	
							5/04
21384 <i>E 6182</i>	-Quarantine breakwater, head.	31° 09.9' N 29° 51.1' E	Fl.G. period 3s	66 20	10	Green metal tower, white stripe.	
		*		*	*	*	5/04

### 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
12880 <i>L 3428</i>	Nordby, Nordfjord.	69° 19.9' N 18° 49.1' E	Oc.W.R.G. period 6s	29 9	W. 11 R. 9 G. 9	White lantern on base.	W. 220°-250°, G.-285°, R.-298°, W.-044°, G.-083°, W.-109°. Seasonal.
		*			*		5/04

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

Denotes a new entry when preceding the station number.

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12888 <i>L 3430.1</i>	-Rear, 900 meters 085° from front.	69° 19.5' N 18° 56.8' E	Fl.W. period 3s	44 13		Post.	
		*		*			5/04
ANDFJORDEN:							
12896 <i>L 3442</i>	-Dverberg, N. mole, head.	69° 06.5' N 15° 58.4' E	Oc.W.R.G. period 6s	23 7	W. 5 R. 3 G. 2	White lantern on piles.	W. 275°-287°, G.-305°, R.-333°, G.-000°, R.-275°.
		*			*		*
		*			*		5/04
12912 <i>L 3446</i>	-Skaften.	69° 10.0' N 16° 06.0' E	Oc.(3)W.R.G. period 10s	22 7	W. 8 R. 6 G. 6	White lantern on piles.	R. 188°-197°, W.-005°, R.-016°, W.-024°, G.-027°.
		*			*		*
		*			*		5/04
12942 <i>L 3457.4</i>	-- S. side.	69° 19.6' N 16° 09.2' E	Iso.R. period 2s	10 3	2	Lantern on metal column.	
		*			*		
		*			*		5/04
12944 <i>L 3460</i>	-Andeshamn, on mole.	69° 20.0' N 16° 08.0' E	Oc.(3)W.R.G. period 10s	23 7	W. 10 R. 10 G. 9	White lantern on metal tower.	R. 035°-070°, G.-139°, W.-143°, R.-165°, R. 250°-265°, G.- 269°, W. 310°-350°, W.-355°.
		*			*		*
		*			*		5/04
12953 <i>L 3465</i>	-Broran.	69° 05.2' N 16° 28.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	30 9	3	Lantern on pedestal.	
		*			*		
		*			*		5/04
13016 <i>L 3496</i>	-Bloskenneset, Sifjord.	69° 16.0' N 17° 04.0' E	Oc.(2)W.R.G. period 8s	52 16	W. 7 R. 5 G. 5	White lantern on base.	G. 278°-303°, R.-314°, W.- 042°30', G.-066°, W.-077°, R.-091°, G.-095°, W.-111°30', R.-124°.
		*			*		
		*			*		5/04
13020 <i>L 3497</i>	-Ytre Sirya.	69° 17.0' N 16° 58.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	36 11	3	Iron post.	
		*			*		
		*			*		5/04
13024 <i>L 3498</i>	-Holmenvaer, on Hjemholmen.	69° 17.0' N 16° 48.0' E	Fl.(2)W.R.G. period 10s fl. 0.7s, ec. 1.5s fl. 0.7s, ec. 7.1s	75 23	W. 8 R. 6 G. 5	White lantern.	G. 313°-318°, W.-338°, R.-017°, W.-023°, G.-045°, W.-057°, R.-072°, W.-313°.
		*			*		
		*			*		5/04

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

Denotes a new entry when preceding the station number.

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13028 <i>L 3502</i>	-Mefjordingen, Holmenvaer.	69° 17.0' N 16° 48.0' E	Fl.I.W.R.G. period 5s fl. 0.7s, ec. 4.3s	19 6	W. 8 R. 6 G. 5	White lantern on piles.	W. 282°-289°, G.-329°, R.-021°, G.-030°, W.-035°, R.-054°, W.-072°, G.-087°, R.-158°, G.-209°, R.-282°.
					*	*	5/04
13036 <i>L 3494</i>	-Leikneset.	69° 13.0' N 16° 53.0' E	Fl.(2)W.R.G. period 10s fl. 0.7s, ec. 1.5s fl. 0.7s, ec. 7.1s	72 22	W. 8 R. 6 G. 5	White lantern on base.	G. 321°-358°, W.-011°, R.- 082°30', W.-086°, G.-092°, W.-121°, R.-160°, W.-170°, G.-175°, W.-200°, R.-210°.
					*	*	*
13040 <i>L 3504</i>	-Hamnneset, Grunnfornesbotn.	69° 18.0' N 17° 00.0' E	Fl.I.W.R.G. period 5s fl. 0.7s, ec. 4.3s	17 5	W. 7 R. 5 G. 5	White lantern on base.	G. 050°-060°, W.-065°, R.-231°.
					*	*	*
13060 <i>L 3510</i>	-Maneset.	69° 22.6' N 16° 52.1' E	Fl.I.W.R.G. period 5s fl. 1s, ec. 4s	148 45	W. 9 R. 7 G. 7	Iron hut.	W. 356°-359°, G.-002°, W.-007°, R.-033°, W.-161°, G.-183°, W.-185°, R.-194°, G.-201°, R.- 217°.
		*					*
13064 <i>L 3514</i>	-Teistneset.	69° 24.3' N 16° 56.4' E	Fl.(2)W.R.G. period 10s fl. 0.7s, ec. 1.5s fl. 0.7s, ec. 7.1s	90 27	W. 8 R. 6 G. 5	White lantern on base.	R. 036°-046°, W.-106°, R.-110°, W.-115°, G.-139°, W.-152°, R.-154°, W.-164°, G.-183°, R.- 192°, G.-250°, W.-270°, R.- 278°.
		*			*	*	*
13068 <i>L 3516</i>	-Hamn, on Hellandsneset.	69° 24.8' N 17° 08.4' E	Oc.W.R.G. period 6s	49 15	W. 9 R. 7 G. 6	White lantern; 10.	G. 076°30'-086°, W.-092°, R.- 123°, W.-126°, G.-233°, R.- 247°.
		*	*	*	*	*	*
13072 <i>L 3519</i>	-Langbaerflu.	69° 25.3' N 17° 09.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	21 6	3	Tripod.	
*		*					5/04
13080 <i>L 3517</i>	-Duncan Greybaen.	69° 25.1' N 17° 09.5' E	Fl.I.R. period 3s fl. 0.3s, ec. 2.7s	24 7	2	Lantern on piles.	
*		*					5/04
-Flatholmen:							
13088 <i>L 3521</i>	-Finnsaeterholmflu.	69° 25.2' N 17° 13.5' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	17 5	1	Iron pole.	
*		*					5/04
-Bergsfjorden:							
13092 <i>L 3522</i>	-Kvanholmen.	69° 25.4' N 17° 14.4' E	Oc.(2)W.R.G. period 8s	14 4	W. 4 R. 3 G. 2	White lantern; 10.	R. 241°-319°, G.-064°, W.-068°, R.-081°, G.-085°.
		*	*		*		*
							5/04

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

Denotes a new entry when preceding the station number.

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
-Bergstjord:							
13100 -Flatneset. <i>L 3528</i>		69° 25.4' N 17° 17.8' E	Iso.W.R.G. period 6s	33 <b>10</b>	W. 4 R. 3 G. 2	White lantern.	G. 037°-043°, R.-066°, W.-080°, G.-129°, W.-139°, R.-182°, W.-229°, G.-250°.
		*				*	*
13104 -Bovaer, on Lille Boholmen. <i>L 3530</i>		69° 28.0' N 17° 13.3' E	Iso.W.R.G. period 6s	32 <b>10</b>	W. 10 R. 8 G. 8	Iron hut on structure.	G. 324°-333°30', W.-342°, R.- 154°30', W.-156°, G.-173°.
		*	*			*	5/04
13108 -Rora, Traelen, W. side. <i>L 3532</i>		69° 29.8' N 17° 11.8' E	Fl.W.R.G. period 5s fl. 0.7s, ec. 4.3s	33 <b>10</b>	W. 6 R. 4 G. 4	White lantern on piles.	R. 351°-002°, G.-005°, R.-063°, G.-090°, R.-148°, W.-153°30', G.-169°, W.-183°, R.-188°.
		*				*	5/04
13116 -Kjopmannsoua, rear, 188° from front. <i>L 3536.1</i>		69° 26.5' N 17° 08.2' E	Oc.(2)W.R.G. period 8s	85 <b>26</b>	W. 6 R. 4 G. 4	White lantern on concrete base.	R. 053°-070°, W.-074°, G.-092°, W. 145°-264°.
						*	*
13120 -Tungeneset, Steinfjorden. <i>L 3540</i>		69° 29.4' N 17° 19.8' E	Oc.(2)W.R.G. period 8s	80 <b>24</b>	W. 10 R. 8 G. 7	Lighthouse; 10.	G. 011°-034°, W.-041°, R.-120°, W.-126°30', G.-144°30', W.- 165°, R.-182°, W.-278°.
		*				*	*
13124 -Steinfjorden, on Hogbaen. <i>L 3542</i>		69° 28.7' N 17° 18.7' E	Fl.W.R.G. period 5s fl. 0.3s, ec. 4.7s	27 <b>8</b>	W. 6 R. 4 G. 4	White lantern on piles.	R. 321°-332°30', W.-338°, G.- 190°30', R.-195°, W.-203°30', G.-218°.
		*	*			*	5/04
13128 -Ersfjord, Rognan, pier, head. <i>L 3541</i>		69° 28.8' N 17° 23.3' E	Fl.G. period 3s	29 <b>9</b>	1	Lantern on post.	
*		*				*	5/04
13132 -Mefjorden, on Knuten. <i>L 3544</i>		69° 31.5' N 17° 25.8' E	Iso.W.R.G. period 6s	122 <b>37</b>	W. 7 R. 5 G. 5	White lantern.	G. 112°-129°24', W.-154°30', R.-179°18', W.-189°06', G.- 211°30', W.-288°06', R.- 305°54'.
		*				*	5/04
13136 -Mefjordvaer Mole. <i>L 3545</i>		69° 31.2' N 17° 26.5' E	Iso.G. period 3s	26 <b>8</b>	3	Iron post.	
*		*				*	5/04
13140 Okseneset. <i>L 3538</i>		69° 32.5' N 17° 18.6' E	L.Fl.W.R.G. period 10s fl. 2s, ec. 8s	46 <b>14</b>	W. 8 R. 6 G. 6	White lantern on concrete column.	G. 039°-046°, W.-049°, R.-081°, W.-085°, G.-102°, W.-224°, R.-245°30', W.-269°, G.-298°.
						*	5/04

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

Denotes a new entry when preceding the station number.

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1444 <i>C 0752</i>	Bastlad Range, front.	56° 26.1' N 12° 50.5' E	F.R.	26 8	9	Wooden post, white diamond daymark.	
	*						5/04
*1448 <i>C 0752.1</i>	-Rear, 60 meters 221°54' from front.	56° 26.1' N 12° 50.5' E	F.R.	39 12	9	Wooden post, white diamond daymark.	
							5/04
8164 <i>C 7130</i>	Vinokrakan.	57° 30.8' N 16° 44.1' E	Fl.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	White octagonal iron hut, wide median red band, on concrete tower, black base; 22. Floodlit.	G. 181°-273°30', W.-276°, R.-305°, G.-349°.
RACON			G(--) period 30s	*	*		
	*	*	*				5/04

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

## SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 5/04

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, 3,5/04	SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23,29,30,31,41, 42,44,45,52/03;5/04	SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17,21, 24,42,44,47,48,49, 51/03
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30,32, 33,34,44,48,52/03;2, 3,5/04	SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02;24,25, 27,28,32,38,42/03	SDPUB181	2002	38*,39/02
Region 3	2002	1/03*	SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46,	SDPUB182	2001	8*,10,12,41/02; 17/03
Region 4	2002	1*,23,43/03	SDPUB126	2002	50/02;24,25,27,28, 29,30,32,35,36,37, 39,44,48/03	SDPUB183	2001	27/01*;13,15,16/02; 18/03
Region 5	2002	1*,3,5,8,22,27,30, 33,38,48/03;1/04	SDPUB127	2002	39*,41,42,43,44,45, 48/02;24,26,27,28, 30,32,41/03	SDPUB193	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23,29/03
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28,30,33, 38,50/03	SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32, 33,41,43,46,49/03; 1/04
Region 7	2002	1*,11,15,28/03	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, 21,22,23,24,25,26, 31,32,34,37,42, 43/03	SDPUB200	2002	38*,39,42/02;22,27, 34,41,51,52/03
Region 8	2002	1*,14,37,41,46, 52/03	SDPUB141	2001	21*,38/01	<b>USCG LIGHT LIST VOLUMES I - VII</b>		
Region 9	2002	1*,34,40,43,45,48, 50,51,52/03;1/04	SDPUB142	2000	49/00*,3,31,35/01; 1,15,43/02	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;3,4/04
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32,33,34, 36,37,38,39,41,42, 43,45,46,47,48,49, 51,52/03;1,4,5/04	SDPUB147	2001	35/01*:21,22,23, 24/02;39,40,41,46, 50/03	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;1,2,3,4,5/04
<b>NGA LIST OF LIGHTS</b>								
LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21,23, 24,25,26,27,28,29, 31,32,33,34,36,37, 38,39,41,42,43,44, 47,49,50,52/03;1,2, 3,5/04	SDPUB148	2001	48/01*,23,24/02;22, 42,43,45,48,50, 52/03;5/04	COMDTM165023	2003	17*,18,19,20,21,23, 24,25,26,27,28,29, 32,33,34,35,36,37, 38,39,41,43,44,45, 46,47,48,49,50,51, 52/03;1,2,3,4,5/04
LLPUB111	2003	33*,34,35,36,37,38, 39,40,41,43,45,47, 49,50,51,52/03;1,2, 3,4/04	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	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, 2,3,4/04
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,50,51,52/03;1,2, 4,5/04	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30,41,42,47/03	COMDTM165025	2002	16/02*
LLPUB113	2003	46*,48,49,50,51, 52/03;1,2,3,4,5/04	SDPUB155	2001	31*,48/01;10,45, 46/02	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, 2,3,4/04
LLPUB114	2003	17*,19,21,22,23,24, 27,31,32,40,43,44, 46/03	SDPUB159	2002	42*,48/02	COMDTM165027	2003	18*,20,21,22,23,24, 26,27,28,30,31,32, 33,34,35,36,37,38, 39,40,43,44,46,47, 48,49,50,52/03;1, 2/04
LLPUB115	2003	42*,44,46,47,48,49, 51,52/03;1,3,5/04	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;1,2,5/04	FLEET GUIDES		
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;1,2,3,5/04	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	FGPUB940ATL	2001	N47/01*
LLPUB117	2003	46*,48,49,50,51, 52/03;1,2,3,4,5/04	SDPUB162	2001	51/01*:5,12/03	FGPUB941PAC	2001	N22/01*
LLPUB118	2003	17*,19,21,22,23,24, 27,31,32,40,43,44, 46/03	SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31,39,40, 41,43,47,48/03	NOS MISCELLANEOUS PUBLICATIONS		
LLPUB119	2003	42*,44,46,47,48,49, 51,52/03;1,3,5/04	SDPUB164	2000	30/00*,31,35,36/01; 8,28/03	NOSPBCATALOG1	2000	20/00*
LLPUB120	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;1,2,3,5/04	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26,41/03	NOSPBCATALOG2	2000	34/00*
LLPUB121	2003	6*,8,15,17,30,33,35, 37,38,39,40/03	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, 39,40,43,44,46,47, 48,49,50,52/03;1, 2/04	NOSPBCATALOG3	2000	28/00*
LLPUB122	2003	19*,43,49,51,52/03	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27,32,33,34, 37,38,49,50,51/03	NOSPBCATALOG4	2000	34/00*
LLPUB123	2003	39/03*	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	ALMANACS		
LLPUB124	2002	9/03*	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	AIRALMANAC401	2004	29/03*
LLPUB125	2003	17/03*				NAUTALMANAC04	2004	29/03*
LLPUB126	2003	24/03*						
LLPUB127	2003	52/03*						
LLPUB128	2003	32*,36,38,39,40,41, 42,43/03						
LLPUB129	2002	6*,8,15,17,30,33,35, 37,38,39,40/03						
LLPUB130	2002							
LLPUB131	2002							
LLPUB132	2002							
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LLPUB213	2002							
LLPUB214	20							

## SECTION II

**PUBLICATIONS AFFECTION BY NOTICE TO MARINERS  
THROUGH NM 5/04**

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

NGA Reference No.	Ed.	Notice to Mariners No.		
NOSPBCP6	33	23*,27,29,32,34,39, 42,46,48,51,52/03; 1/04		
NOSPBCP7	35	37*,38,39,42,44,45, 48,51/03;5/04		
NOSPBCP8	25	32*,33,34,39,42,48, 51/03;1/04		
NOSPBCP9	21	30*,32,33,36,39,42, 48,51/03		
<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		
<b>NOS TIDE TABLES</b>				
NOSPBTTCWPACIN4	2004	N1/04*		
NOSPBTTECSTNSA4	2004	N1/04*		
NOSPBTTEURAFR4	2004	N1/04*		
NOSPBTWCSTNSA4	2004	N1/04*		
<b>TIDAL CURRENT TABLES</b>				
NOSPBTCTATCSTN4	2004	N1/04*		
NOSPBTCTPACAS4	2004	N1/04*		

## SECTION III

NM 5/04

### 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 141200Z January 2004:

2003 series	387(GEN)	4(GEN)	9(GEN)
108(26,27)	2004 series	6(11,26)	11(GEN)

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

#### NAVAREA IV WARNINGS issued from 081200Z to 141200Z January 2004.

4/04(GEN). NORTH ATLANTIC. RADIO SERVICES.  
U.S. COAST GUARD INTERNATIONAL DISTRESS AND CALLING  
RADIOTELEPHONE SERVICE ON 2182 KHZ AT REDUCED POWER.

(090910Z JAN 2004)

5/04. CANCELED.

6/04(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

- A. 0500Z TO 0459Z COMMENCING DAILY  
12 THRU 18 JAN IN AREA BOUND BY  
30-45N 080-32W, 30-45N 079-40W,  
30-38N 079-40W, 30-34N 080-32W.
- B. 0500Z TO 0459Z COMMENCING DAILY  
12 THRU 18 JAN IN AREA BETWEEN  
29-10N 29-20N AND 079-40W 079-50W.
- C. 131200Z TO 140459Z AND 160500Z TO  
160600Z JAN IN AREA BETWEEN  
30-00N 29-50N AND 081-00W 080-50W.
- D. 131400Z TO 131700Z JAN IN AREA BOUND  
BY 31-13N 079-50W, 31-13N 078-57W,  
30-39N 079-08W, 30-35N 079-40W,  
30-45N 080-02W.

2. CANCEL THIS MSG 190559Z JAN.

(091845Z JAN 2004)

7/04 and 8/04. CANCELED.

9/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 101000Z JAN 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 506(11,26).  
2004 SERIES: 3(11,26), 4(GEN), 6(11,26).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.  
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL NAVAREA IV 454/03, 2/04.

(101010Z JAN 2004)

10/04. CANCELED.

11/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 14 UNUSABLE 160115Z TO 161315Z JAN.
2. CANCEL NAVAREA IV 10/04.
3. CANCEL THIS MSG 161415Z JAN.

(121903Z JAN 2004)

## SECTION III

### HYDROLANTS

Messages in force 141200Z January 2004:

2000 series	544(55)	1999(23)	2330(54)	2414(54)	41(56)
2937(38)	604(26,27)	2031(55)	2340(52,53)	2416(54)	47(54)
3762(43)	738(35)	2058(24)	2354(24)	2418(52)	48(GEN)
4265(44)	754(37)	2144(22)	2374(35)	2419(54)	54(57)
2001 series	867(37)	2175(24)	2379(54)	2420(54)	55(24)
611(44)	1117(37)	2203(53)	2380(37)	2422(37)	56(35)
2700(37)	1242(24)	2225(52,53)	2383(53)	2004 series	57(52,53)
3161(44)	1291(37)	2235(37)	2384(23,24)	3(53)	59(35,37)
2002 series	1374(52,53)	2241(57)	2385(38)	6(35)	61(GEN)
245(GEN)	1422(53)	2263(53)	2399(24)	7(37)	62(35)
246(GEN)	1472(35)	2266(37)	2401(57)	17(53)	63(53)
2203(51)	1620(53,56)	2271(37)	2406(54)	19(53)	64(35)
2682(51)	1731(35)	2291(GEN)	2407(54)	29(37)	66(24)
2848(37)	1834(22)	2297(24)	2408(54)	33(52,53)	67(24)
2003 series	1863(37)	2306(56)	2409(54)	36(51,52)	68(35)
41(37)	1944(53)	2312(53,54)	2410(54)	37(51)	
67(37)	1995(53)	2319(53)	2413(54)	40(53)	

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

### **HYDROLANT WARNINGS issued from 081200Z to 141200Z January 2004.**

34/04 and 35/04. CANCELED.

36/04(51,52). MORROCCO. GUNNERY.

1. GUNNERY EXERCISES 13 JAN THRU 31 MAR  
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 APR.

(081800Z JAN 2004)

37/04(51). STRAIT OF GIBRALTAR.

1. CABLE REPAIR OPERATIONS 082200Z TO 222200Z JAN  
BY CABLESHIP RAYMOND CROZE WITH SUBMERSIBLE  
IN AREA BETWEEN  
35-43N 35-53N AND 006-52W 006-39W.  
ONE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 27/04.
3. CANCEL THIS MSG 222300Z JAN.

(081835Z JAN 2004)

38/04 and 39/04. CANCELED.

40/04(53). SARDEGNA-NORTHEAST COAST.

- CHART 53287 (6TH ED).
1. SECCA CORSARA LIGHT 41-13.4N 009-20.2E UNLIT.
  2. CANCEL HYDROLANT 15/04.

(091110Z JAN 2004)

41/04(56). EASTERN MEDITERRANEAN SEA.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY  
M/V GECO BLUFFIN TOWING 5000 METER LONG CABLES  
IN AREA BOUND BY  
31-58.54N 031-51.54E, 31-55.04N 032-04.80E,  
31-49.27N 032-02.69E, 31-52.79N 031-49.45E.  
WIDE BERTH REQUESTED.

(091150Z JAN 2004)

42/04 thru 46/04. CANCELED.

## SECTION III

47/04(54). STRAIT OF OTRANTO.

1. TWO VESSELS, 30 PERSONS ON BOARD, ADRIFT OR CAPSIZED VICINITY 40-07N 019-33E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC ROME, PHONE: 390 6592 4145, 390 6590 84527, FAX: 390 6592 2737, 390 6590 84793.
2. CANCEL HYDROLANT 46/04.

(100810Z JAN 2004)

48/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 101200Z JAN 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 2241(57), 2258(52), 2263(53), 2266(37), 2271(37), 2291(GEN), 2295(57), 2297(24), 2306(56), 2312(53,54), 2319(53), 2330(54), 2340(52,53), 2354(24), 2374(35), 2379(54), 2380(37), 2381(56), 2383(53), 2384(23,24), 2385(38), 2399(24), 2401(57), 2403(53), 2406(54), 2407(54), 2408(54), 2409(54), 2410(54), 2413(54), 2414(54), 2416(54), 2418(52), 2419(54), 2420(54), 2422(37). 2004 SERIES: 3(53), 6(35), 7(37), 17(53), 19(53), 20(52,53), 22(23), 29(37), 30(24), 31(24), 32(24), 33(52,53), 34(24), 35(53), 36(51,52), 37(51), 38(24), 40(53), 41(56), 43(37), 47(54).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL HYDROLANT 2204/03, 2215/03, 2412/03, 11/04, 18/04, 42/04.

(101210Z JAN 2004)

49/04 thru 53/04. CANCELED.

54/04(57). GULF OF GUINEA.

1. OCEANOGRAPHIC OPERATIONS 13 THRU 26 JAN BY M/V ATALANTE IN AREA BETWEEN 02-30N 03-50N AND 006-00E 008-00E.
2. CANCEL HYDROLANT 2258/03(52).
3. CANCEL THIS MSG 27 JAN.

(111000Z JAN 2004)

55/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY 12 THRU 14 JAN BY M/V VERITAS VIKING TOWING EIGHT 6000 METER LONG CABLES IN AREA BETWEEN 15-42S 15-08S AND 038-48W 037-47W. SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 43/04(37).
3. CANCEL THIS MSG 15 JAN.

(111308Z JAN 2004)

56/04(35). SCOTLAND-WEST COAST.

- CHART 35300 (17TH ED).  
RHINNS OF ISLAY LIGHT 55-40.4N 006-30.8W UNRELIABLE.

(111826Z JAN 2004)

57/04(52,53). SARDEGNA-WEST COAST.

1. OCEANOGRAPHIC OPERATIONS IN PROGRESS UNTIL 26 JAN BY M/V URANIA TOWING EQUIPMENT IN AREA BETWEEN 37-00N 41-00N AND 007-40E 009-00E. ONE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 2403/03, AID RESTORED.
3. CANCEL HYDROLANT 20/04.
4. CANCEL THIS MSG 27 JAN.

(121110Z JAN 2004)

58/04. CANCELED.

59/04(35,37). SOUTHERN NORTH SEA.

- SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V SEA SURVEYOR TOWING 700 METER LONG CABLE IN AREA BETWEEN 53-38N 53-30N AND 000-46E 001-00E. WIDE BERTH REQUESTED.

(121825Z JAN 2004)

60/04. CANCELED.

### SECTION III

NM 5/04

61/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 14 UNUSABLE 160115Z TO 161315Z JAN.
2. CANCEL HYDROLANT 49/04.
3. CANCEL THIS MSG 161415Z JAN.

(121910Z JAN 2004)

62/04(35). NORTH ATLANTIC. HEBRIDES. MISSILES.

1. HAZARDOUS OPERATIONS 1300Z TO 1600Z DAILY 13, 15 AND 17 JAN WITHIN 72 MILES OF 57-33N 009-44W.
2. CANCEL THIS MSG 171700Z JAN.

(130043Z JAN 2004)

63/04(53). ITALY-SOUTHWEST COAST.

CHART 53180 (10TH ED).

VIBO VALENTIA MARINA LIGHT 38-43.4N 16-07.7E UNLIT.

(130120Z JAN 2004)

64/04(35). SCOTLAND-EAST COAST.

CHART 35081 (15TH ED).

1. FIDRA LIGHT 56-04.4N 002-47.1W UNRELIABLE.
2. CANCEL HYDROLANT 60/04(36), AID RESTORED.

(130132Z JAN 2004)

65/04. CANCELED.

66/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 160200Z JAN BY M/V RAMFORM VIKING TOWING TEN 4600 METER LONG CABLES IN AREA BOUND BY 27-23S 047-07W, 26-53S 047-07W, 26-53S 046-22W, 27-22S 046-22W. FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 160300Z JAN.

(131305Z JAN 2004)

67/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 160159Z JAN BY M/V POLAR PRINCESS TOWING 6000 METER LONG CABLE IN AREA BOUND BY 25-56S 044-00W, 25-56S 043-02W, 26-21S 043-02W, 26-40S 043-37W, 26-21S 044-00W. FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 160259Z JAN.

(131324Z JAN 2004)

68/04(35). SCOTLAND. HEBRIDES.

CHART 35246 (2ND ED).

USHENISH LIGHT 57-18N 007-12W AT REDUCED INTENSITY.

(140132Z JAN 2004)

## SECTION III

NM 5/04

### NAVAREA XII

Messages in force 141200Z January 2004:

2003 series 262(GEN)	384(19) 2004 series	9(18) 10(GEN)	11(18) 13(GEN)	16(GEN)
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The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03.

### NAVAREA XII WARNINGS issued from 081200Z to 141200Z January 2004.

10/04(GEN). NORTH PACIFIC. RADIO SERVICES.  
U.S. COAST GUARD INTERNATIONAL DISTRESS AND CALLING  
RADIOTELEPHONE SERVICE ON 2182 KHZ AT REDUCED POWER.

(090920Z JAN 2004)

11/04(18). NORTH PACIFIC. CALIFORNIA.  
1. LORAN-C STATION MIDDLETOWN, RATE 9940-X,  
OFF AIR 141800Z TO 142000Z JAN,  
ALTERNATE 151800Z TO 152000Z JAN.  
2. CANCEL THIS MSG 152100Z JAN.

(092332Z JAN 2004)

12/04. CANCELED.

13/04(GEN).  
1. NAVAREA XII MESSAGES IN FORCE 101000Z JAN 2004. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 384(19).  
2004 SERIES: 5(18,19), 6(22,83), 9(18), 10(GEN), 11(18).  
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE  
AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.  
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS  
ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.  
3. CANCEL NAVAREA XII 352/03, 3/04.

(101020Z JAN 2004)

14/04 and 15/04. CANCELED.

16/04(GEN). GPS SATELLITE SYSTEM.  
1. PRN 14 UNUSABLE 160115Z TO 161315Z JAN.  
2. CANCEL NAVAREA XII 14/04.  
3. CANCEL THIS MSG 161415Z JAN.

(121913Z JAN 2004)

**SECTION III****HYDROPACS**

Messages in force 141200Z January 2004:

2001 series	761(63)	1699(63)	2123(61)	2241(61)	27(63)
1976(62)	801(72)	1700(62)	2138(91,93)	2244(61)	28(95)
2002 series	895(62)	1734(74)	2139(76)	2250(95)	34(94)
205(GEN)	960(63)	1736(63)	2140(GEN)	2251(95)	36(97)
206(GEN)	993(62)	1745(96)	2143(81,97)	2252(95)	37(22)
403(72,73)	998(71)	1785(96)	2154(75)	2253(95)	41(61)
2199(63)	1041(71)	1892(73)	2159(63)	2254(95)	42(GEN)
2330(62)	1198(92)	1893(73)	2167(82)	2255(94,95)	43(63)
2339(63)	1213(73)	1911(62)	2181(74)	2260(74,75,76)	45(63)
2003 series	1248(63)	1982(GEN)	2187(63)	2263(61)	47(75)
167(95)	1266(73)	1998(61)	2191(81)	2264(61)	52(96)
197(71)	1330(62)	2004(73,74)	2195(81)	2265(62)	54(GEN)
207(62)	1395(62)	2082(81)	2200(63)	2275(22)	56(74)
445(96)	1398(74)	2106(73)	2203(63)	2004 series	60(94)
495(62)	1485(22)	2107(73)	2223(94)	2(63)	61(94)
496(62)	1514(62)	2108(73)	2224(63)	6(63)	
506(62)	1518(62)	2109(73)	2227(82)	9(63)	
515(73)	1652(63)	2110(73)	2233(82)	20(97)	
638(62)	1653(63)	2111(63)	2237(71)	23(62)	
760(63)	1655(29)	2115(73)	2239(83)	26(63)	

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

**HYDROPAC WARNINGS issued from 081200Z to 141200Z January 2004.**

30/04 thru 33/04. CANCELED.

34/04(94). EAST CHINA SEA.

1. CABLE REPAIR OPERATIONS IN PROGRESS UNTIL 20 JAN  
BY M/V KDD PACIFIC LINK IN AREA BOUND BY  
25-38N 121-24E, 25-33N 121-31E,  
25-23N 121-22E, 25-28N 121-15E.
2. CANCEL HYDROPAC 21/04(97) AND 31/04(82).
3. CANCEL HYDROPAC 2243/03.
4. CANCEL THIS MSG 21 JAN.

(090950Z JAN 2004)

35/04. CANCELED.

36/04(97). NORTH PACIFIC. ROCKETS.

1. HAZARDOUS OPERATIONS 141200Z TO 142100Z JAN,  
ALTERNATE 1200Z TO 2100Z DAILY 15 JAN THRU  
28 FEB WITHIN 33 MILES OF 29-31N 133-18E.
2. CANCEL THIS MSG 282200Z FEB.

(091120Z JAN 2004)

37/04(22). SOUTH PACIFIC.

1. EIGHT METER F/V PAIVERO, RED, WHITE  
AND BLUE HULL, FIVE PERSONS ON BOARD,  
ADRIFT IN 10-00S 080-05W. VESSELS  
IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL HYDROPAC 33/04(74), SIGNAL CEASED.

(091440Z JAN 2004)

38/04 thru 40/04. CANCELED.

41/04(61). MADAGASCAR-NORTHWEST COAST.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 13-23.9S 048-13.0E  
AT 090815Z JAN. VESSELS IN VICINITY REQUESTED TO KEEP  
A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO  
MRCC REUNION, INMARSAT-C: 4227 99193, TELEX: 916140,  
PHONE: 2622 6243 4343, FAX: 2622 6271 1595.

(100215Z JAN 2004)

## SECTION III

42/04(GEN).

1. HYDROPAC MESSAGES IN FORCE 101200Z JAN 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 2082(81), 2106(73), 2107(73), 2108(73), 2109(73), 2110(73), 2111(63), 2115(73), 2123(61), 2138(91,93), 2139(76), 2140(GEN), 2143(81,97), 2154(75), 2159(63), 2167(82), 2181(74), 2187(63), 2191(81), 2195(81), 2200(63), 2203(63), 2223(94), 2224(63), 2227(82), 2233(82), 2237(71), 2239(83), 2241(61), 2244(61), 2250(95), 2251(95), 2252(95), 2253(95), 2254(95), 2255(94,95), 2260(74,75,76), 2263(61), 2264(61), 2265(62), 2275(22), 2278(22).  
2004 SERIES: 2(63), 6(63), 9(63), 17(22,83), 20(97), 22(62), 23(62), 25(94,97), 26(63), 27(63), 28(95), 32(82), 34(94), 35(62), 36(97), 37(22), 41(61).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.  
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL HYDROPAC 1801/03, 2039/03, 2051/03, 2056/03, 2063/03, 2070/03, 13/04, 18/04.

(101220Z JAN 2004)

43/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY  
13 AND 16 JAN IN AREA BOUND BY  
09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 161630Z JAN.

(101240Z JAN 2004)

44/04. CANCELED.

45/04(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 JAN BY  
M/V C-EXPLORER TOWING THREE 4000 METER  
LONG CABLE IN AREA BOUND BY  
20-05.6N 071-35.1E, 20-20.9N 072-09.6E,  
20-10.1N 072-13.1E, 19-56.0N 071-41.1E.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 FEB.

(101320Z JAN 2004)

46/04. CANCELED.

47/04(75). AUSTRALIA-SOUTHEAST COAST.

- SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V MARKAB ALONG TRACKLINE BETWEEN  
38-38S 142-55E AND 39-07S 142-55E.  
2.5 MILE BERTH REQUESTED.

(111009Z JAN 2004)

48/04 thru 51/04. CANCELED.

52/04(96). SEA OF JAPAN. GUNNERY. MISSILES.

1. HAZARDOUS OPERATIONS 0001Z TO 0300Z AND 0500Z TO 0800Z  
DAILY 17 THRU 19 JAN IN AREA BETWEEN  
42-20.0N 42-38.5N AND 131-41.0E 132-15.0E.
2. CANCEL THIS MSG 190900Z JAN.

(121010Z JAN 2004)

53/04. CANCELED.

54/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 14 UNUSABLE 160115Z TO 161315Z JAN.
2. CANCEL HYDROPAC 44/04.
3. CANCEL THIS MSG 161415Z JAN.

(121918Z JAN 2004)

55/04. CANCELED.

56/04(74). AUSTRALIA-NORTHWEST COAST.

- SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V GEKO EMERALD TOWING EIGHT THREE MILE  
LONG CABLES IN AREA BETWEEN 19-40S 20-05S AND  
115-00E 115-20E. FOUR MILE BERTH REQUESTED.

(130154Z JAN 2004)

57/04 thru 59/04. CANCELED.

### **SECTION III**

**NM 5/04**

60/04(94). EAST CHINA SEA.

1. CABLE REPAIR OPERATIONS IN PROGRESS UNTIL  
15 FEB BY CABLESHIP CABLE RETRIEVER  
VICINITY OF TRACKLINE BETWEEN  
25-32.0N 121-36.1E AND 25-21.9N 122-21.1E.
2. CANCEL HYDROPOC 59/04(81), FALSE ALERT.
3. CANCEL THIS MSG 16 FEB.

(131050Z JAN 2004)

61/04(94). NORTH PACIFIC.

1. CABLE REPAIR OPERATIONS IN PROGRESS UNTIL  
16 FEB BY CABLESHIP ASEAN RESTORER AND  
CABLESHIP WAVE VENTURE:
  - A. VICINITY OF TRACKLINE BETWEEN  
23-04.6N 122-35.6E AND 21-51.4N 121-51.0E.
  - B. VICINITY OF TRACKLINE BETWEEN  
23-17.6N 122-13.2E AND 22-15.3N 121-42.9E.
  - C. IN AREA BOUND BY  
23-20.0N 122-20.0E, 23-20.0N 122-35.0E,  
23-44.0N 122-25.0E, 23-00.0N 122-25.0E,  
23-00.0N 122-50.0E, 23-44.0N 122-11.0E.
2. CANCEL THIS MSG 17 FEB.

(131110Z JAN 2004)

62/04 thru 64/04. CANCELED.

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

#### **SPECIAL WARNINGS**

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

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](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 14 January 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

**MARINE INFORMATION****NEW EDITION OF COAST PILOT**

U.S. Coast Pilot 2, Atlantic Coast: Cape Cod, MA to Sandy Hook, NJ, Thirty-third Edition, 2004, is ready for issue and may be obtained from:

Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division, AVN-530  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-1479

and authorized agents of the National Ocean Service. Price \$26.00.

The 2004 Edition cancels the preceding 2003 Edition.

All corrections to the previous edition issued in Notice to Mariners are incorporated in this edition.

Mariners are encouraged to use the convenient "RECORD OF CHANGES" form on Page V of this book. All Coast Pilot changes published in the U.S. Coast Guard Local Notice to Mariners, National Geospatial-Intelligence Agency Notice to Mariners, and on the Internet at <http://critcorr.ncd.noaa.gov/> are serially numbered (i.e., Change No. 1, Change No. 2, etc.) to assist you in tracking the changes.

**RADIOTELEPHONE SERVICE ON FREQUENCY 2182.0 KHZ**

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

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

**NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY**

NOAA recognizes two nautical chart products:

- Charts-On-Demand distributed by OceanGrafix ([www.OceanGrafix.com](http://www.OceanGrafix.com))
- Traditional NOAA/NOS paper charts 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 paper chart is available two to eight weeks later. Each is official, should be put into service immediately and meets Federal chart carriage requirements immediately upon its release. For questions contact NOAA at [help@nauticalcharts.gov](mailto:help@nauticalcharts.gov) or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

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

11314	23rd Ed. Jan 2004	NEW EDITION	11XHA11314	NAD 83 (NOS Silver Spring, MD)	
			TX-IWW-CARLOS BAY TO REDFISH BAY INCLUDING COPANO BAY		1:40,000
(New edition due to numerous Notice to Mariners changes)					
11416	6th Ed. Jan 2004	NEW EDITION	11AHA11416	NAD 83 (NOS Silver Spring, MD)	
	FL-TAMPA BAY				1:40,000
	INSETS: Tampa Bay				1:80,000
	St. Petersburg				1:20,000
	Tampa				1:20,000
(New edition due to numerous Notice to Mariners changes and various general changes)					
13229	28th Ed. Jan 2004	NEW EDITION	13XHA13229	NAD 83 (NOS Silver Spring, MD)	
	MA-SOUTH COAST OF CAPE COD AND BUZZARDS BAY				1:40,000
(New edition due to numerous Notice to Mariners changes and changes in hydrography)					

## SECTION III

- 14390 25th Ed. Jan 2004 NEW EDITION 14XHA14390 NAD 83 (NOS Silver Spring, MD)  
MI-LAKE MICHIGAN-ST JOSEPH AND BENTON HARBOR 1:40,000  
(New edition due to numerous Notice to Mariners changes)
- 16665 8th Ed. Dec 2003 NEW EDITION 16AHA16665 NAD 83 (NOS Silver Spring, MD)  
AK-SOUTH COAST-COOK INLET-APPROACHES TO ANCHORAGE 1:50,000  
INSET: Anchorage 1:20,000  
(New edition due to numerous Notice to Mariners changes and various general changes)
- 17384 34th Ed. Dec 2003 NEW EDITION 17BHA17384 NAD 83 (NOS Silver Spring, MD)  
AK-SOUTHEAST COAST-WRANGELL HARBOR AND APPROACHES 1:20,000  
INSET: Wrangell Harbor 1:10,000  
(New edition due to hydrographic changes)
- 25641 27th Ed. Jan 2004 NEW EDITION 25ACO25641 NAD 83 (NOS Silver Spring, MD)  
WEST INDIES-VIRGIN GORDA TO ST THOMAS AND ST CROIX 1:100,000  
INSET: Krause Lagoon Channel 1:20,000  
(New edition due to changes to hydrography)

## 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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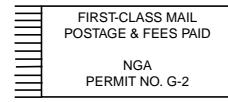
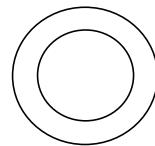
www.nature.com/scientificreports/

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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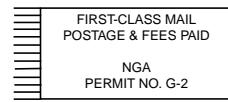
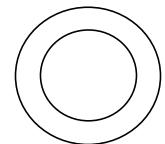
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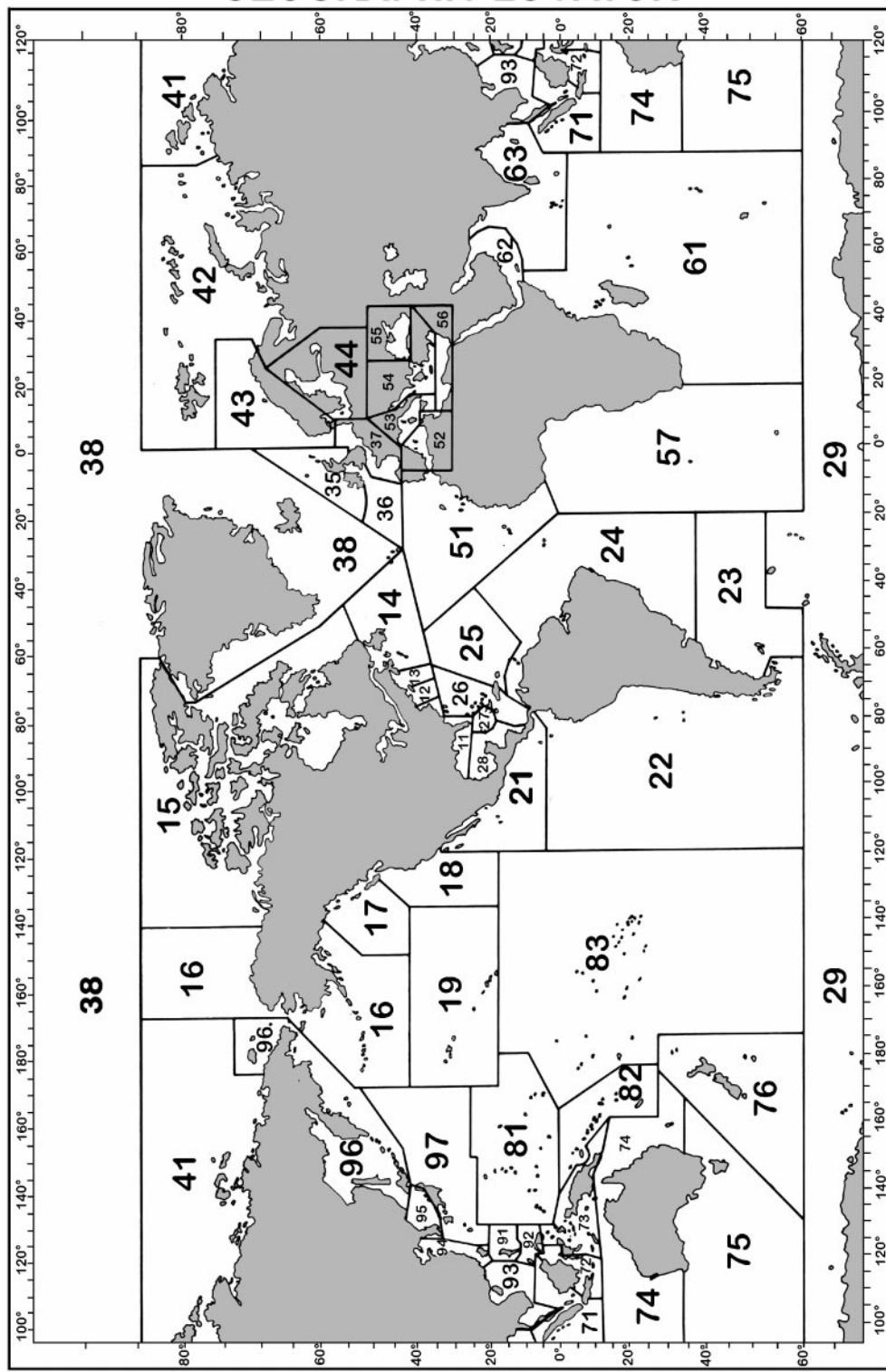
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**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
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4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**

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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

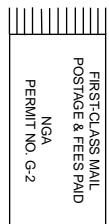
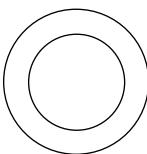
ATTN: JNAH

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**