



No. 10  
8 MARCH 2003



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Imagery and Mapping 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.nima.mil/>



NSN 7642015018922  
NIMA REF.NO. NMXXX0310

## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), 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 NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (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 Transportation), 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 NIMA 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	301-227-5006	287-5006	301-227-5745
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 via the NIMA Homepage ([www.nima.mil](http://www.nima.mil)) under the Safety of Navigation link or directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nima.mil](mailto:NavNotices@nima.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nima.mil](mailto:SDPUBS@nima.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nima.mil](mailto:webmaster_nss@nima.mil).

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

<u>Observer</u>	<u>Ship/Organization</u>
Capt. Tim Brady	M/V Empire State

**Cover Photo:** Serving our nation proudly since her commissioning on June 3rd, 1978 the **USS BRISCOE (DD-977)** is the fifteenth destroyer in a series of thirty-one *SPRUANCE* class destroyers. Built by the Ingalls Shipbuilding Division of Litton Industries in Pascagoula, MS, she bears the name of Admiral Robert P. Briscoe, USN, who served with distinction during WWI, WWII and the Korean Conflict. The *SPRUANCE* class destroyers were developed for the primary mission of anti-submarine warfare, including operations as an integral part of attack carrier forces. Utilizing highly developed weapons systems, the **BRISCOE** can hunt down and destroy high speed submarines in all weather, but can also engage ships, aircraft and shore targets. As a multi-purpose combatant, the **BRISCOE** is capable of providing naval gunfire support in conjunction with Marine amphibious operations worldwide. At 564 feet in length and a beam of 55 feet, she is twice as large as a WWII destroyer and as large as a WWII cruiser. The **BRISCOE**'s formidable armament includes two 5-inch/54 caliber lightweight guns, one MK-41 VLS for Tomahawk cruise missiles, MK-46 torpedoes, Harpoon missile launchers, one Sea Sparrow launcher, one Rolling Airframe Missile System and two 20mm Phalanx CIWS. The **BRISCOE**'s 80,000 SHP and twin controllable-pitch screws can propel her to 30+ knots. A high degree of automation permits a reduced crew of 352 Sailors and 30 Officers. The homeport of the **USS BRISCOE** is Norfolk, Virginia.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 10/03**

# HYDROGRAM

**National Imagery and Mapping Agency  
Bethesda, MD 20816-5003**

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

**8 March 2003**

## **ARCTIC MARITIME SAFETY INFORMATION (AMSI) DATABASE ESTABLISHED**

A DATABASE FOR REPORTING AND SHARING INFORMATION ON MARITIME HAZARDS TO BOTH SURFACE SHIPS AND SUBMARINES (MILITARY AND COMMERCIAL) IN THE INTERNATIONAL WATERS OF THE ARCTIC OCEAN AND ADJACENT NORTHERN SEAS HAS BEEN ESTABLISHED. SEE SECTION III.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA 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 NIMA 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 NIMA 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 NIMA List of Lights.

**Section II-5** lists all NIMA, 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 10/03**

<b>501</b> (INT 801) 12Ed. 11/02 LAST NM 9/03 Delete Superbuoy ODAS "46011" (4/03 CG11)	10/03 34°53'N 120°52'W	<b>★12252</b> 23Ed. 5/12/01 LAST NM 7/03 Delete Depth 24 feet Depth 21 feet Depth 21 feet Depth 23 feet (See 34/02-12252)	10/03 37°25'27.0"N 77°24'27.8"W 37°25'26.1"N 77°24'06.2"W 37°25'21.1"N 77°23'58.2"W 37°25'23.2"N 77°24'40.6"W
<b>530</b> 30Ed. 3/23/02 LAST NM 6/03 Delete Superbuoy ODAS "46011" (4/03 CG11)	10/03 34°53'N 120°52'W	Relocate Light "163" from 37°25'55.5"N to 37°25'55.3"N (NOS; 4/03 CG5)	77°25'42.2"W 77°25'43.3"W
<b>603</b> (INT 603) 6Ed. 8/3/96 LAST NM 47/02 Delete Depth 20 meters "Rep (1988)" (18/500)00 Wollongong)	10/03 10°30'S 126°37'E	<b>★12253</b> 42Ed. 1/5/02 LAST NM 50/02 Delete Ra Ref from beacon "B" Ra Ref from beacon "C" (See 38/02-12253)	10/03 36°52'18.5"N 76°20'34.8"W 36°52'18.4"N 76°20'22.1"W
<b>11308</b> 22Ed. 11/02 LAST NM 7/03 <b>(Side A)</b> Add Buoy with light disc symbol [Q7] "D" W Or 27°49'11.0"N 97°12'45.7"W (NOS)	10/03	Relocate Buoy "26" from 36°46'07.0"N to 36°46'07.1"N (4/03 CG5)	76°17'52.6"W 76°17'54.1"W
<b>11324</b> 32Ed. 3/16/02 LAST NM 9/03 Substitute Type of seabed S [J1] (sand) for depth 5 feet (NOS)	10/03 29°20'59"N 94°47'29"W	<b>★12289</b> 48Ed. 1/03 NEW EDITION (NOS)	10/03
<b>11329</b> 34Ed. 1/12/02 LAST NM 8/03 Change Range light, front to QG 35ft, QG 35ft Range light, front to QR 40ft, Fl 4s 15ft 5M (See 36/02-11329) (31/02 CG8)	10/03 29°44'26.7"N 95°03'41.2"W 29°44'56.8"N 95°03'44.1"W	<b>★12312</b> 52Ed. 1/03 NEW EDITION (NOS)	10/03
<b>★11372</b> 30Ed. 11/02 LAST NM 8/03 <b>(Side A)</b> Add Light "K" Fl Y 2.5s (Priv) (Cancels 7/03-11372)	10/03 30°12'07.4"N 89°04'52.1"W	<b>★12334</b> 65Ed. 1/03 NEW EDITION Add Depth 28 feet Obstn [K41] Depth 36 feet Obstn [K41] Depth 34 feet Wk [K26] (Previously published 8/03) (NOS)	10/03 40°40'15.8"N 74°03'02.9"W 40°39'35.9"N 74°02'50.1"W 40°41'26.5"N 74°01'33.5"W
<b>(Side B)</b> Relocate Buoy "I" from 30°20'45.8"N 89°04'50.7"W to 30°20'45.1"N 89°04'52.9"W (51, 53/02 CG8)		<b>12354</b> 39Ed. 12/15/01 LAST NM 7/03 Delete Buoys "N", "E", "S" and "W" in vicinity (4/03 CG1)	10/03 40°57'03"N 72°27'44"W
<b>★11470</b> 36Ed. 1/03 NEW EDITION (NOS)	10/03	<b>★12358</b> 19Ed. 9/02 LAST NM 7/03 Delete Buoys "N", "E", "S" and "W" in vicinity (4/03 CG1)	10/03 40°57'03"N 72°27'42"W
<b>★11506</b> 40Ed. 1/03 NEW EDITION (NOS)	10/03	<b>★13233</b> 16Ed. 4/14/01 LAST NM 17/02 Relocate Buoy "1" from 41°17'31"N 70°27'00"W to 41°17'32"N 70°26'53"W (5/03 CG1)	10/03
<b>★11508</b> 21Ed. 1/03 NEW EDITION (NOS)	10/03	<b>13237</b> 38Ed. 3/3/01 LAST NM 7/03 Relocate Buoy "1" from 41°17'30"N 70°27'02"W to 41°17'32"N 70°26'53"W (5/03 CG1)	10/03
<b>★11512</b> 59Ed. 1/03 NEW EDITION (NOS)	10/03	<b>★13312</b> 21Ed. 1/03 NEW EDITION Delete Buoy "D" (Previously published 9/03)	10/03 44°00'36"N 68°23'28"W
<b>★11537</b> 33Ed. 12/1/01 LAST NM 7/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	10/03	Add Buoy "I" Y, Fl Y 4s (Priv) (Previously published 9/03) (NOS)	10/03 44°06'22"N 68°06'32"W
<b>★12204</b> 35Ed. 1/03 NEW EDITION (NOS)	10/03	<b>★14822</b> 31Ed. 1/03 NEW EDITION (NOS)	10/03
<b>12206</b> 29Ed. 6/1/02 LAST NM 46/02 <b>(Side A)</b> Relocate Buoy "26" from 36°46'07"N 76°17'53"W to 36°46'07"N 76°17'54"W (4/03 CG5)	10/03	<b>17400</b> 16Ed. 6/2/01 LAST NM 36/02 Change Light to F WRG 16ft 7M (Can LL)	10/03 54°06.8'N 132°18.8'W
<b>★12211</b> 41Ed. 1/03 NEW EDITION (NOS)	10/03	<b>17413</b> 2Ed. 6/17/95 LAST NM 50/02 Change Light to F WRG 16ft 7M (Can LL)	10/03 54°07.0'N 132°19.0'W
<b>12222</b> 42Ed. 2/2/02 LAST NM 6/03 Delete Ra Ref from beacon "B" Ra Ref from beacon "C" (See 38/02-12222) (4/03 CG5)	10/03 36°52'20"N 76°20'35"W 36°52'19"N 76°20'22"W	<b>17416</b> 3Ed. 11/4/95 LAST NM 13/02 Change Visibility (range) of light to 16M (Can LL)	10/03 51°56'12"N 131°00'54"W

<b>17420</b>	26Ed. 9/22/01 LAST NM 1/03 Change Light to F WRG 16ft 7M (Can LL)	10/03 54°07.0'N 132°19.0'W	<b>18445</b>	29Ed. 2/24/01 LAST NM 9/03 <b>(Page A)</b> Add Buoy "C" W, spar	10/03 47°26'52.8"N 122°22'51.0"W
<b>17438</b>	12Ed. 1/28/95 LAST NM 50/02 Change Light to Fl 6s 10m 6M and delete obscured sector	10/03 54°12'46"N 130°33'38"W	Relocate <b>(Page C)</b> Buoy "A" from 47°23'48"N 122°19'53"W to 47°23'48"N 122°19'59"W	Buoy "L" from 47°24'41"N 122°20'41"W to 47°24'46"N 122°20'48"W	Buoy "K" from 47°24'18"N 122°20'19"W to 47°24'14"N 122°20'13"W
	Visibility (range) of light to 7M	54°10'39"N 130°24'40"W	Buoy "J" from 47°22'57"N 122°22'50"W to 47°22'58"N 122°22'36"W	Add Buoy "C" W, spar (50/02 CG13)	47°26'53"N 122°22'51"W
<b>17441</b>	7Ed. 6/24/95 LAST NM 5/01 Change Light to Fl 6s 10m 6M and delete obscured sector	10/03 54°12'46"N 130°33'38"W	<b>★18447</b>	26Ed. 1/25/97 LAST NM 7/03 <b>(Side A)</b> Change Characteristic of light to FY	10/03 47°38'12"N 122°19'51"W
	Visibility (range) of light to 7M	54°10'39"N 130°24'40"W	Add Light 2 FY 13ft (Priv) (46/02 CG13)	Light 2 FY 13ft (Priv) 47°38'08.0"N 122°19'48.4"W 47°38'10.3"N 122°19'47.5"W	
	Add Visibility (range) 6M to light (Can LL)	54°10'20"N 130°21'39"W 54°05'54"N 130°29'00"W 54°03'45"N 130°14'40"W 53°55'24"N 130°10'18"W 54°19'45"N 129°57'21"W			
<b>17443</b>	12Ed. 2/11/95 LAST NM 10/02 Change Visibility (range) of light to 7M	10/03 54°10'39.0"N 130°24'40.0"W	<b>18448</b>	32Ed. 8/25/01 LAST NM 33/02 Relocate Buoy "A" from 47°23'49"N 122°19'54"W to 47°23'48"N 122°19'59"W	10/03
	Light to Fl 4s 4m 6M	54°11'57.0"N 130°15'48.0"W	Buoy "L" from 47°24'41"N 122°20'41"W to 47°24'46"N 122°20'48"W	Buoy "K" from 47°24'18"N 122°20'19"W to 47°24'14"N 122°20'13"W	Buoy "J" from 47°22'57"N 122°22'50"W to 47°22'58"N 122°22'36"W
	Add Visibility (range) 6M to light (Can LL)	54°10'20.0"N 130°21'39.0"W	Add Buoy "C" W, spar (50/02 CG13)	47°26'53"N 122°22'51"W	
<b>17445</b>	2Ed. 1/28/95 LAST NM 16/02 Change Light to Fl 6s 10m 6M and delete obscured sector	10/03 54°12'46"N 130°33'38"W	<b>★18474</b>	7Ed. 8/02 LAST NM 7/03 Relocate Buoy "A" from 47°23'48"N 122°19'53"W to 47°23'48.0"N 122°19'58.8"W	10/03
	Visibility (range) of light to 7M	54°10'39"N 130°24'40"W	Buoy "L" from 47°24'41"N 122°20'41"W to 47°24'46.2"N 122°20'48.0"W	Buoy "K" from 47°24'18"N 122°20'19"W to 47°24'14.4"N 122°20'13.2"W	Buoy "J" from 47°22'57"N 122°22'50"W to 47°22'58.2"N 122°22'36.0"W
	Add Visibility (range) 6M to light (Can LL)	54°10'20"N 130°21'39"W 54°05'54"N 130°29'00"W	Add Buoy "C" W, spar (50/02 CG13)	47°26'52.8"N 122°22'51.0"W	
<b>17446</b>	Ed. 4/26/85 LAST NM N9/98 Change Light to Fl 4s 13ft 6M (Can LL)	N10/03 53°55'24"N 130°10'18"W	<b>18485</b>	15Ed. 12/02 LAST NM 2/03 Substitute Open-outlined arrow [M10] oriented 295° for open-outlined arrow oriented 115° 48°25'36"N 124°41'55"W	10/03
				Open-outlined arrow [M10] oriented 115° for open-outlined arrow oriented 295° 48°26'30"N 124°41'15"W	
<b>17480</b>	4Ed. 2/3/96 LAST NM 5/03 Change Visibility (range) of light to 16M (Can LL)	10/03 51°56.2'N 131°00.9'W	<b>★18521</b>	69Ed. 6/02 LAST NM 4/03 Change Legend to "Subm dols" (NOS)	10/03 46°11'22"N 123°52'03"W
<b>18000</b>	8Ed. 8/21/93 LAST NM 6/03 Delete Superbuoy ODAS "46011" (4/03 CG11)	10/03 34°52.9'N 120°52.5'W	<b>18524</b>	33Ed. 2/23/02 LAST NM 6/03 <b>(Right Panel)</b> Delete Buoy "1" (3/03 CG13)	10/03 45°51'08"N 122°46'59"W
<b>18002</b>	6Ed. 5/13/95 LAST NM N6/03 Delete Superbuoy ODAS "46011" (4/03 CG11)	N10/03 34°52.9'N 120°52.5'W	<b>★18531</b>	20Ed. 11/10/01 LAST NM 9/03 <b>(Inset)</b> Relocate Light "3" from 45°38'27.2"N 121°56'09.2"W to 45°38'29.2"N 121°56'08.5"W and add height 40ft	10/03
<b>18005</b>	4Ed. 9/20/97 LAST NM N6/03 Delete Superbuoy ODAS "46011" (4/03 CG11)	N10/03 34°52.9'N 120°52.5'W	Substitute Depth 13 feet for 18 feet	45°38'11.2"N 121°57'14.5"W	
<b>18020</b>	36Ed. 1/27/01 LAST NM 6/03 Delete Superbuoy ODAS "46011" (4/03 CG11)	10/03 34°52.9'N 120°52.5'W	<b>(Lower Panel)</b> Delete Light "3" (4/03 CG11)	45°38'27.5"N 121°56'09.5"W	
<b>18022</b>	33Ed. 1/26/02 LAST NM 6/03 Delete Superbuoy ODAS "46011" Relocate Superbuoy ODAS "46023" from 34°42.4'N 120°58.0'W to (4/03 CG11)	10/03 34°52.9'N 120°52.5'W 34°42.2'N 120°57.4'W	Add Light "3" Fl G 4s 40ft 3M Depth 17 feet	45°38'29.2"N 121°56'08.5"W 45°34'27.4"N 122°10'51.9"W	

(continued on next page)

## SECTION I

**NM 10/03**

<b>18531</b>	(Continued)					
	Depth 17 feet	45°34'34.5"N 122°10'28.5"W				10/03
	Depth 36 feet	45°36'27.0"N 122°02'45.1"W				
Delete	<b>(Upper Panel)</b> Depth 26 feet	45°36'14"N 122°35'31"W				
Substitute	Depth 15 feet for 18 feet	45°36'19.6"N 122°35'29.4"W				
	Depth 14 feet for 17 feet	45°33'36.3"N 122°20'27.8"W				
	Depth 26 feet for 49 feet	45°32'36.0"N 122°16'15.2"W				
Add	Depth 22 feet	45°36'13.8"N 122°35'35.9"W				
	Depth 18 feet	45°35'08.7"N 122°31'06.7"W				
(NOS; 49/02 CG13)						
<b>★18532</b>	20Ed. 11/10/01 LAST NM 7/02		10/03			
Delete	<b>(Upper Panel)</b> Light "3"	45°38'27.5"N 121°56'09.5"W				
Add	Light "3" Fl G 4s 40ft 3M (49/02 CG13)	45°38'29.2"N 121°56'08.5"W				
<b>★18561</b>	11Ed. 6/13/98 LAST NM 39/02		10/03			
Delete	Depth 7 fathoms 1 foot	44°36'33"N 124°05'15"W				
Add	Depth 6 fathoms 2 feet	44°36'30"N 124°05'16"W				
(NOS)						
<b>★18587</b>	68Ed. 8/25/01 LAST NM 9/03		10/03			
Change	Range light, rear to Iso G 6s 36ft (45/02 CG13)	43°22'41"N 124°12'23"W				
<b>★18601</b>	13Ed. 9/12/98 LAST NM 6/02		10/03			
Add	Depth 3 fathoms	42°25'01"N 124°26'08"W				
(NOS)						
<b>★18602</b>	11Ed. 9/12/98 LAST NM 33/02		10/03			
Delete	<b>(Inset Chetco Cove)</b> Depth 4 3/4 fathoms	42°02'26.0"N 124°16'26.5"W				
(NOS)						
<b>★18603</b>	16Ed. 12/02 LAST NM 9/03		10/03			
Relocate	Superbuoy ODAS "46027" from 41°51'00"N 124°22'53"W to (2/03 CG11)	41°51'08"N 124°22'59"W				
<b>18626</b>	15Ed. 9/16/00 LAST NM 37/02		10/03			
Relocate	Buoy "NA" from 39°25'53"N 123°49'59"W to 39°25'55"N 123°49'59"W					
Relocate	<b>(Inset Fort...Anchorage)</b> Buoy "NA" from 39°25'53.8"N 123°49'59.0"W to (2/03 CG11)	39°25'55.1"N 123°49'59.5"W				
<b>★18700</b>	21Ed. 7/29/00 LAST NM 6/03		10/03			
Delete	Superbuoy ODAS "46011" (See 6/03-18700)	34°52.9'N 120°52.5'W				
Relocate	Superbuoy ODAS "46023" from 34°42.8'N 120°58.0'W to (4/03 CG11)	34°42.2'N 120°57.4'W				
<b>18720</b>	31Ed. 7/29/00 LAST NM 6/03		10/03			
Relocate	Superbuoy ODAS "46023" from 34°42.8'N 120°58.0'W to Superbuoy ODAS "46054" from 34°16.2'N 120°26.3'W to (See 35/02-18720) (2, 4/03 CG11)	34°42.2'N 120°57.4'W				
		34°16.0'N 120°26.3'W				
<b>★18721</b>	11Ed. 7/8/00 LAST NM 6/03		10/03			
Relocate	Superbuoy ODAS "46023" from 34°42'50"N 120°57'50"W to Superbuoy ODAS "46054" from 34°16'10"N 120°26'18"W to (See 35/02-18721) (2, 4/03 CG11)	34°42'12"N 120°57'25"W				
		34°16'01"N 120°26'18"W				
<b>★18773</b>	38Ed. 7/28/01 LAST NM 50/02					10/03
	Relocate Buoy "1" from 32°41'13.2"N to 32°41'11.2"N 117°09'11.1"W (2/03 CG11)	117°09'09.0"W				
<b>★18774</b>	10Ed. 6/02 LAST NM 35/02					10/03
	<b>(Inset)</b> Relocate Buoy (W Or) from 33°12'30.0"N 117°23'54.0"W to (2/03 CG11)	33°12'30.5"N 117°23'56.4"W				
<b>★19367</b>	37Ed. 5/8/99 LAST NM 49/02					10/03
	Relocate Buoy "12" from 21°18'59"N to 21°18'59.1"N 157°52'47.0"W (4/03 CG14)	157°52'46"W				
<b>19369</b>	5Ed. 7/8/00 LAST NM 49/02					10/03
	Relocate Buoy "12" from 21°18'59"N to 21°18'59.1"N 157°52'47.0"W (4/03 CG14)	157°52'46"W				
<b>★19401</b>	8Ed. 12/02 NEW EDITION					10/03
	(NOS)					
<b>★19461</b>	7Ed. 12/02 NEW EDITION					10/03
	(NOS)					
<b>22284</b>	7Ed. 3/11/85 LAST NM N26/01					N10/03
Change	Chilean chart number "4131" to "4113" in (NTM0002/2003)	margins (3) of chart				
<b>22331</b>	2Ed. 2/29/88 LAST NM N39/01					N10/03
Change	Chilean chart number "716" to "7400" in (NTM0002/2003)	margins (3) of chart				
<b>22343</b>	1Ed. 8/3/61 LAST NM N43/02					N10/03
Delete	Legend "Ver Carta 734"	41°44.5'S 73°02.0'W				
Change	Chilean chart number "704" to "7300" in (NTM0002/2003)	margins (3) of chart				
	Legend "Ver Carta 721" to "See Chart 7392"	42°24.3'S 73°33.5'W				
	Legend "Ver Carta 721" to "See Chart 7392"	42°18.5'S 73°17.5'W				
	Legend "Ver Carta 710" to "See Chart 7362"	42°19.5'S 72°45.0'W				
	Legend "Ver Carta 710" to "See Chart 7362"	42°08.5'S 73°30.0'W				
	Legend "Ver Carta 710" to "See Chart 7362"	42°06.8'S 73°28.5'W				
	Legend "Ver Carta 710" to "See Chart 7362"	41°58.5'S 73°33.5'W				
	Legend "Ver Carta 710" to "See Chart 7362"	41°54.3'S 73°32.5'W				
	Legend "Ver Carta 710" to "See Chart 7362"	41°51.5'S 73°32.0'W				
	Legend "Ver Carta 705" to "See Chart 7311"	41°48.2'S 73°23.0'W				
	Legend "Ver Carta 705" to "See Chart 7311"	41°46.5'S 73°06.5'W				
	Legend "Ver Carta 706" to "See Chart 7310"	41°41.5'S 73°02.5'W				
	Legend "Ver Carta 706" to "See Chart 7310"	41°48.5'S 73°07.5'W				
	Legend "Ver Carta 706" to "See Chart 7310"	41°51.5'S 73°13.5'W				
	Legend "Ver Carta 708" to "See Chart 7330"	41°44.5'S 72°36.0'W				
	Legend "Ver Carta 708" to "See Chart 7330"	41°39.0'S 72°23.5'W				
	Legend "Ver Carta 732" to "See Chart 7321"	41°28.0'S 72°57.5'W				
<b>22344</b>	5Ed. 3/30/89 LAST NM N42/02					N10/03
Change	Chilean chart number "732" to "7321" in (NTM0002/2003)	margins (3) of chart				

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<b>22361</b>	2Ed. 7/25/84 LAST NM N7/02 Change Chilean chart number "801" to "8200" in margins (3) of chart	N10/03	Legend "Ver Carta 810" to "See Chart 8620" 45°07.0'S 73°27.8'W (NTM0002/2003)
	Legend "See Chart 8400" to "See Chart 8700" 45°16.7'S 74°53.0'W		
	Legend "Ver Carta 808" to "See Chart 8646" 45°19.5'S 74°34.0'W		
	Legend "Ver Carta 818" to "See Chart 8161" 45°04.5'S 74°19.0'W		
	Legend "See Chart 8410" to "See Chart 8630" 45°19.0'S 73°38.5'W		
	Legend "See Chart 8411" to "See Chart 8632" 45°16.5'S 73°42.5'W		
	Legend "Ver Carta 8290" to "See Chart 8610" 45°15.8'S 73°13.0'W		
	Legend "Ver Carta 8290" to "See Chart 8610" 45°18.0'S 73°05.0'W		
	Legend "Ver Carta 810" to "See Chart 8620" 45°05.0'S 73°28.5'W		
	Legend "Ver Carta 804" to "See Chart 8412" 45°03.5'S 73°42.5'W		
	Legend "Ver Carta 804" to "See Chart 8412" 44°48.0'S 73°38.5'W		
	Legend "Ver Carta 804" to "See Chart 8412" 44°40.0'S 73°41.0'W		
	Legend "Ver Carta 804" to "See Chart 8412" 44°32.5'S 73°33.5'W		
	Legend "Ver Carta 804" to "See Chart 8412" 44°09.5'S 73°27.5'W		
	Legend "Ver Carta 802" to "See Chart 8500" 44°58.5'S 73°14.0'W		
	Legend "Ver Carta 802" to "See Chart 8500" 44°18.0'S 73°12.5'W		
	Legend "Ver Carta 803" to "See Chart 8400" 44°54.8'S 73°40.0'W		
	Legend "Ver Carta 803" to "See Chart 8400" 44°08.0'S 73°43.5'W		
	Legend "Ver Carta 749" to "See Chart 8511" 44°12.3'S 73°14.5'W		
	Legend "Ver Carta 808" to "See Chart 8646" 44°01.0'S 74°04.0'W		
	Legend "Ver Carta 718" to "See Chart 8300" 43°55.0'S 73°43.5'W		
	Legend "Ver Carta 718" to "See Chart 8300" 43°53.5'S 74°03.5'W		
	Legend "Ver Carta 718" to "See Chart 8300" 43°50.5'S 74°01.0'W		
	Legend "Ver Carta 718" to "See Chart 8300" 43°48.0'S 73°58.0'W		
	Legend "Ver Carta 718" to "See Chart 8300" 43°46.0'S 73°49.0'W		
	Legend "Ver Carta 717" to "See Chart 7422" 43°45.5'S 73°02.0'W		
	Legend "Ver Carta 716" to "See Chart 7400" 43°42.5'S 73°19.0'W		
	(NTM0002/2003)		
<b>22373</b>	1Ed. 8/3/50 LAST NM N50/02 Change Chilean chart number "809" to "8600" in margins (3) of chart	N10/03	Legend "Ver Carta 807" to "See Chart 8646" 45°33.6'S 74°14.6'W
	Legend "Ver Carta 846" to "See Chart 8640" 45°47.5'S 73°45.0'W		Legend "See Chart 8411" to "See Chart 8632" 45°22.2'S 74°04.0'W
	Legend "Ver Carta 846" to "See Chart 8640" 45°44.8'S 73°53.5'W		Legend "See Chart 8411" to "See Chart 8632" 45°17.6'S 73°45.0'W
	Legend "Ver Carta 846" to "See Chart 8640" 45°35.5'S 73°48.5'W		Legend "Ver Carta 846" to "See Chart 8640" 45°33.3'S 74°11.9'W
	Legend "Ver Carta 807" to "See Chart 8646" 45°45.8'S 73°44.0'W		Legend "Ver Carta 846" to "See Chart 8640" 45°32.9'S 73°48.0'W
	Legend "See Chart 8410" to "See Chart 8630" 45°32.0'S 73°44.5'W		Legend "See Chart 8400" to "See Chart 8700" 45°26.0'S 74°20.0'W
	Legend "See Chart 8410" to "See Chart 8630" 45°28.3'S 73°54.0'W		
	Legend "See Chart 8410" to "See Chart 8630" 45°17.2'S 73°39.0'W		
	Legend "Ver Carta 827" to "See Chart 8611" 45°29.7'S 72°49.3'W		
	Legend "Ver Carta 827" to "See Chart 8611" 45°26.8'S 72°47.3'W		
	Legend "Ver Carta 811" to "See Chart 8612" 45°25.8'S 72°42.0'W		
	Legend "Ver Carta 8290" to "See Chart 8610" 45°20.0'S 73°20.0'W		
	Legend "Ver Carta 8290" to "See Chart 8610" 45°14.3'S 73°16.4'W		
	Legend "See Chart 8411" to "See Chart 8632" 45°16.7'S 73°42.5'W		
	Legend "Ver Carta 810" to "See Chart 8620" 45°15.8'S 73°31.0'W		
	(NTM0002/2003)		
<b>22375</b>	Ed. 1/1/49 LAST NM N19/02 Change Chilean chart number "815" to "8800" in margins (3) of chart	N10/03	Legend "Ver Carta 814" to "See Chart 8112" 46°49.3'S 75°30.0'W
	Legend "Ver Carta 910" to "See Chart 8810" 46°49.5'S 75°09.8'W		Legend "Ver Carta 910" to "See Chart 8810" 46°40.0'S 75°24.2'W
	Legend "Ver Carta 910" to "See Chart 8810" 45°52.0'S 75°25.0'W		Legend "Ver Carta 8430" to "See Chart 8710" 45°46.0'S 74°55.0'W
	Legend "Ver Carta 846" to "See Chart 8640" 45°47.5'S 74°26.5'W		Legend "Ver Carta 846" to "See Chart 8640" 45°47.5'S 74°26.5'W
	(NTM0002/2003)		
<b>22377</b>	1Ed. 8/29/86 LAST NM N26/01 Change Chilean chart number "8400" to "8700" in margins (3) of chart	N10/03	Legend "Ver Carta 815" to "See Chart 8800" 45°59.5'S 75°12.0'W
	Legend "Ver Carta 8430" to "See Chart 8710" 45°44.8'S 75°13.5'W		Legend "Ver Carta 8430" to "See Chart 8710" 45°29.2'S 74°24.2'W
	Legend "See Chart 8411" to "See Chart 8632" 45°26.8'S 74°20.0'W		Legend "See Chart 8410" to "See Chart 8630" 45°26.8'S 74°20.0'W
	Legend "See Chart 8410" to "See Chart 8630" 45°20.0'S 74°33.0'W		Legend "Ver Carta 808" to "See Chart 8646" 45°20.0'S 74°33.0'W
	Legend "Ver Carta 801" to "See Chart 8200" 45°14.2'S 74°50.2'W		Legend "Ver Carta 801" to "See Chart 8200" 45°14.2'S 74°50.2'W
	(NTM0002/2003)		
<b>22379</b>	1Ed. 1/10/85 LAST NM N50/02 Change Chilean chart number "8410" to "8630" in margins (3) of chart	N10/03	Legend "Ver Carta 807" to "See Chart 8646" 45°33.6'S 74°14.6'W
	Legend "See Chart 8411" to "See Chart 8632" 45°22.2'S 74°04.0'W		Legend "See Chart 8411" to "See Chart 8632" 45°17.6'S 73°45.0'W
	Legend "See Chart 8411" to "See Chart 8632" 45°33.3'S 74°11.9'W		Legend "Ver Carta 846" to "See Chart 8640" 45°33.3'S 74°11.9'W
	Legend "Ver Carta 846" to "See Chart 8640" 45°32.9'S 73°48.0'W		Legend "Ver Carta 846" to "See Chart 8640" 45°32.9'S 73°48.0'W
	Legend "See Chart 8400" to "See Chart 8700" 45°26.0'S 74°20.0'W		Legend "See Chart 8400" to "See Chart 8700" 45°26.0'S 74°20.0'W
	(NTM0002/2003)		
<b>22408</b>	1Ed. 4/20/79 LAST NM N18/99 Change Legend "Ver Carta 906" to "See Chart 9500" Legend "Ver Carta 910" to "See Chart 9541"	N10/03	Legend "Ver Carta 906" to "See Chart 9500" 49°42.3'S 74°22.5'W
			Legend "Ver Carta 910" to "See Chart 9541" 49°29.0'S 74°18.1'W
	(NTM0002/2003)		
<b>22409</b>	4Ed. 5/20/83 LAST NM N45/02 <b>(Left Panel)</b> Change Legend "Ver Carta 910" to "See Chart 9541" Legend "Ver Carta 910" to "See Chart 9541"	N10/03	Legend "Ver Carta 910" to "See Chart 9541" 48°56.1'S 74°25.3'W
			Legend "Ver Carta 910" to "See Chart 9541" 49°00.4'S 74°27.9'W
	<b>(Right Panel)</b> Change Legend "Ver Carta 910" to "See Chart 9541" Legend "Ver Carta 910" to "See Chart 9541"		Legend "Ver Carta 910" to "See Chart 9541" 49°19.7'S 74°24.6'W
	(NTM0002/2003)		
<b>22417</b>	1Ed. 11/30/90 LAST NM N20/01 Delete Legend "Ver Carta 1114" Change Legend "Ver Carta 1111" to "See Chart 11811" Legend "Ver Carta 1111" to "See Chart 11811"	N10/03	Legend "Ver Carta 1114" 53°13.4'S 72°12.4'W
			Legend "Ver Carta 1111" to "See Chart 11811" 53°16.1'S 72°11.2'W
			Legend "Ver Carta 1111" to "See Chart 11811" 53°12.2'S 72°13.5'W
	(NTM0002/2003)		

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**NM 10/03**

<b>22429</b>	Ed. 1/1/73 LAST NM N46/02 Change Legend "Ver Carta 1251" to "See Chart 12720" Legend "Ver Carta 1251" to "See Chart 12720" (NTM0002/2003)	N10/03 54°55.2'S 70°40.1'W 54°53.9'S 70°22.6'W	<b>37050</b>	9Ed. 6/29/96 LAST NM 46/02 Change Note to "NOTES"	10/03
<b>22436</b>	2Ed. 2/8/97 LAST NM 39/02 Change Beacon to WG, Fl(2) G 6s 6m 2M with obscured sector 241°-336° (12(224)01 Valparaiso)	10/03 54°54'43.7"S 68°18'04.9"W		1. The traffic separation scheme(s) on this chart is adopted by the International Maritime Organization (IMO). 2. Navigation is prohibited for vessels exceeding 1600 GRT in the Passage du Fromveur, Chenal de la Helle and Chenal du Four. Other vessels, with the exception of those transporting goods cited in the annexes of MARPOL 1973, can obtain exemptions. See Sailing Directions."	
<b>35009</b>	19Ed. 12/2/95 LAST NM 5/03 Add Depth 55 meters Wk [K26] (3(273)03 Taunton)	10/03 55°02.7'N 0°15.2'W	Add	Legend "NOTE NO 2" Legend "NOTE NO 2" (10(15)00 Brest)	48°30'30"N 4°55'45"W 48°23'30"N 5°12'30"W
<b>35036</b>	21Ed. 8/23/97 LAST NM 36/02 Add Depth 75 meters Wk Depth 73 meters Wk Depth 68 meters Wk Depth 68 meters Wk Depth 67 meters Wk Depth 71 meters Obstn (50(5348)02 Taunton)	10/03 50°42.6'N 5°54.5'W 50°33.2'N 5°59.6'W 50°33.0'N 5°47.2'W 50°31.8'N 5°51.0'W 50°33.0'N 5°49.0'W 50°32.3'N 5°50.2'W	<b>37147</b>	15Ed. 2/15/97 LAST NM 1/03 Delete Depth 11.2 meters (See 20/99-37147)	10/03 51°50'30"N 1°36'12"E
<b>35040</b>	18Ed. 5/10/97 LAST NM 8/03 Add Depth 55 meters Wk [K26] (3(273)03 Taunton)	10/03 55°02'39"N 0°15'13"W	Add	Depth 10.8 meters (30(2965)00 Taunton)	51°50'25"N 1°36'19"E
<b>35060</b>	14Ed. 6/21/97 LAST NM 41/02 Add Depth 55 meters Wk [K26] (3(273)03 Taunton)	10/03 55°02.6'N 0°15.2'W	<b>37148</b>	13Ed. 4/26/97 LAST NM 4/03 Delete Depth 11.2 meters (See 20/99-37148)	10/03 51°50'29"N 1°36'06"E
<b>35308</b>	5Ed. 10/11/97 LAST NM 12/02 Delete Depth 5.7 meters Add Depth 6.2 meters (18(1804)02 Taunton)	10/03 54°59'30"N 5°04'00"W 54°59'13"N 5°03'05"W	Add	Depth 10.8 meters (30(2965)00 Taunton)	51°50'25"N 1°36'19"E
<b>36140</b>	12Ed. 8/16/97 LAST NM 4/03 Delete Depth 53 meters Wk Depth 55 meters Wk Depth 70 meters Wk  Add Depth 75 meters Wk Depth 73 meters Wk Depth 68 meters Wk Depth 68 meters Wk Depth 67 meters Wk Depth 71 meters Obstn (50(5348)02 Taunton)	10/03 50°33.1'N 5°46.4'W 50°36.0'N 5°57.3'W 50°40.2'N 5°51.5'W  50°42.6'N 5°54.5'W 50°33.2'N 5°59.6'W 50°33.1'N 5°47.2'W 50°31.8'N 5°51.0'W 50°33.0'N 5°49.0'W 50°32.3'N 5°50.2'W	<b>37165</b>	2Ed. 2/3/96 LAST NM 36/02 Delete Foul ground symbol	10/03 54°03.5'N 7°27.5'E
<b>36161</b>	10Ed. 3/7/98 LAST NM 4/03 Add Depth 5.9 meters, blue tint and enclosing depth contour (10-meter) (46(4892)02 Taunton)	10/03 51°17'41"N 3°18'19"W	Add	Foul ground symbol [K31] Foul ground symbol [K31] (46(87), 49(87)02, 4(2, 106)03 Hamburg)	53°55.4'N 7°14.1'E 54°06.2'N 7°26.5'E
<b>36165</b>	6Ed. 9/6/97 LAST NM 44/02 Add Depth 5.9 meters, blue tint and enclosing depth contour (10-meter) Depth 1 meter enclosed by depth contour (2-meter) (46(4892)02, 5(494)03 Taunton)	10/03 51°17'41"N 3°18'19"W 51°28'43"N 3°47'10"W	<b>37183</b>	9Ed. 7/12/97 LAST NM 51/02 Add Depth 5.5 meters, blue tint and enclosing depth contour (5-meter) Depth 5.7 meters, blue tint and enclosing depth contour (5-meter) Depth 2.2 meters, blue tint and enclosing depth contour (5-meter) Depth 4.8 meters, blue tint and enclosing depth contour (5-meter) Depth 7.8 meters, blue tint and enclosing depth contour (10-meter) (4(377)03 Taunton)	10/03 53°36'17"N 0°02'51"W 53°36'05"N 0°02'24"W 53°35'37"N 0°00'04"W 53°35'22"N 0°00'30"E 53°34'07"N 0°04'18"E
<b>37010</b>	23Ed. 9/7/96 LAST NM 47/02 Add Foul ground symbol [K31] Foul ground symbol [K31] (46(87), 49(87)02 Hamburg)	10/03 53°55.4'N 7°14.1'E 54°06.2'N 7°26.6'E	<b>37221</b>	13Ed. 2/3/96 LAST NM 6/03 Add Depth 14 meters Rk [K14.2] Depth 13.6 meters Rk [K14.2] Swept depth 29.7 meters Wk [K27] Foul ground symbol [K31] (49(87)02, 2(3), 4(2)03 Hamburg)	10/03 53°49.1'N 8°06.6'E 53°48.9'N 8°07.1'E 54°03.6'N 7°40.9'E 53°55.4'N 7°14.1'E
<b>37231</b>	18Ed. 4/5/97 LAST NM 6/03 Delete Swept depth 14 meters and change legend "Rks" to "Rk"  Substitute Depth 14 meters Rk [K14.2] for swept depth 14 meters Rk  Depth 13.6 meters Rk [K14.2] for foul ground symbol and swept depth 13.6 meters (4(2)03 Hamburg)	10/03 53°43'42"N 8°15'30"E 53°49'10"N 8°06'39"E 53°48'54"N 8°07'03"E	<b>37320</b>	16Ed. 9/6/97 LAST NM 9/03 Substitute Depth 49 meters Wk [K26] for 61 meters Wk 47°53'24"N 4°40'33"W	10/03

(continued on next page)

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<b>37320</b>	(Continued)			
Add	Note No. 5 to NOTES			
"5. Navigation is prohibited for vessels exceeding 1600 GRT in the Passage du Fromveur, Chenal de la Helle and Chenal du Four. Other vessels, with the exception of those transporting goods cited in the annexes of MARPOL 1973, can obtain exemptions. See Sailing Directions."	48°00'45"N 4°22'45"W			
Legend "NOTE NO 5"	48°30'36"N 4°55'45"W			
Legend "NOTE NO 5"	48°22'00"N 5°11'15"W			
(10(15)00, 23(34)02 Brest)				
<b>37360</b>	15Ed. 6/22/96 LAST NM 9/03	10/03		
Delete	Depth 28 meters Wk (unsurveyed) (PD)	47°07.5'N 3°04.0'W		
Substitute	Depth 45 meters Wk [K30] (unsurveyed) for wreck	47°07.8'N 3°11.4'W		
Add	Depth 49 meters Wk [K26]	47°53.4'N 4°40.5'W		
(23(34, 36)02 Brest)				
<b>37380</b>	2Ed. 9/11/93 LAST NM 9/03	10/03		
Delete	Depth 28 meters Wk (unsurveyed) (PD)	47°07.5'N 3°04.1'W		
Substitute	Depth 45 meters Wk [K30] (unsurveyed) for wreck	47°07.9'N 3°11.6'W		
(23(36)02 Brest)				
<b>37400</b>	(INT 1803) 10Ed. 3/12/88 LAST NM 6/03	10/03		
Add	Depth 10 meters Wk [K26] (PD)	45°44.1'N 1°24.9'W		
(24(20)02 Brest)				
<b>37403</b>	23Ed. 2/15/97 LAST NM 24/02	10/03		
Add	Depth 10 meters Wk [K26] (PD)	45°44'05.4"N 1°24'52.2"W		
(24(20)02 Brest)				
<b>43030</b>	24Ed. 4/5/97 LAST NM 9/03	10/03		
Add	Foul ground symbol [K31]	53°55.4'N 7°14.1'E		
	Foul ground symbol [K31]	54°06.2'N 7°26.5'E		
(49(87), 46(87)02, 4(106)03 Hamburg)				
<b>43360</b>	21Ed. 1/4/97 LAST NM 6/03	10/03		
Change	Light to L Fl 8s 9M, Fl Y 3s Racon	57°12.9'N 11°49.7'E		
	Light to L Fl WRG 8s 10-6M Racon	58°32.6'N 11°02.1'E		
(33(938), 36(988)99 Norrkoping; Swd LL)				
<b>43375</b>	7Ed. 8/22/92 LAST NM 8/03	10/03		
Change	Light "Vaderbod" to L Fl WRG 8s 32m 10-6M	58°32'30"N 11°01'54"E		
	Note: Existing sectors remain			
(33(938)99 Norrkoping; Swd LL)				
<b>43384</b>	1Ed. 9/14/91 LAST NM 7/03	10/03		
Add	Beacon R	58°12'35"N 11°31'37"E		
(22(680)99 Norrkoping)				
<b>44015</b>	8Ed. 7/22/95 LAST NM 9/03	10/03		
Add	Submarine cable [L30.1] joining	56°34.5'N 21°00.4'E		
		56°35.3'N 20°59.3'E		
		56°36.0'N 20°47.8'E		
		56°33.2'N 20°43.2'E		
		56°26.8'N 20°39.6'E		
		56°08.0'N 20°42.3'E		
		56°02.1'N 20°50.4'E		
		56°01.5'N 21°04.5'E		
(12(59)01 Riga)				
<b>44040</b>	23Ed. 7/20/96 LAST NM 6/03	10/03		
Change	Light "Fladen" to L Fl 8s 24m 9M Racon	57°12.9'N 11°49.7'E		
(36(988)99 Norrkoping; Swd LL)				
<b>44041</b>	7Ed. 4/3/93 LAST NM 9/03	10/03		
Add	Light Fl(2) R 6s 4M	57°38'21"N 11°36'50"E		
(36(989)99 Norrkoping; Swd LL)				
<b>44042</b>	7Ed. 8/22/92 LAST NM 9/03	10/03		
Add	Light Fl(2) R 6s 9m 4M	57°38'21.0"N 11°36'49.8"E		
(36(989)99 Norrkoping; Swd LL)				
<b>44043</b>	8Ed. 11/30/96 LAST NM 9/03	10/03		
Add	Light Fl(2) R 6s 4M	57°38'21"N 11°36'50"E		
(36(989)99 Norrkoping; Swd LL)				
<b>44044</b>	6Ed. 11/9/96 LAST NM 6/03	10/03		
Change	Light to L Fl 8s 24m 9M Racon	57°12.9'N 11°49.7'E		
(36(988)99 Norrkoping; Swd LL)				
<b>44047</b>	22Ed. 2/8/97 LAST NM 44/02	10/03		
Add	Position circle "Radar Mast"	55°22.3'N 13°09.3'E		
(34(950)99 Norrkoping)				
<b>44068</b>	11Ed. 5/18/96 LAST NM 44/02	10/03		
Add	Position circle "Radar Mast"	55°22.3'N 13°09.3'E		
(34(950)99 Norrkoping)				
<b>44120</b>	7Ed. 2/22/97 LAST NM 9/03	10/03		
Change	Visibility (range) of light "Lagerholmen" to 9.5M	55°57.9'N 14°28.3'E		
(45(1210)99 Norrkoping; Swd LL)				
<b>44161</b>	2Ed. 6/8/96 LAST NM 6/03 <b>(Panel B)</b>	10/03		
Change	Characteristic of light "Huvudet" to Fl(3) WRG	56°40'00"N 16°23'06"E		
<b>44178</b>	2Ed. 4/13/96 LAST NM 7/03	10/03		
Add	Submarine cable (power) [L31.1] joining	58°53'39"N 18°08'20"E		
		58°53'46"N 18°08'18"E		
		58°53'49"N 18°08'06"E		
		58°53'35"N 18°07'05"E		
		58°53'36"N 18°06'43"E		
(32(899)99 Norrkoping)				
<b>44179</b>	2Ed. 5/25/96 LAST NM 30/01	10/03		
Add	Submarine cable (power) [L31.1] between	59°09'40"N 18°23'33"E		
		59°09'38"N 18°23'46"E		
(38(867)00 Norrkoping)				
<b>44181</b>	5Ed. 4/6/96 LAST NM 5/03	10/03		
Add	Submarine cable (power) [L31.1] between	59°09'40.2"N 18°23'33.0"E		
		59°09'37.8"N 18°23'46.2"E		
(38(867)00 Norrkoping)				
<b>44183</b>	6Ed. 4/19/97 LAST NM 9/03	10/03		
Add	Submarine pipeline [L40.1] joining	59°24'34"N 18°22'31"E		
		59°24'29"N 18°22'32"E		
		59°24'25"N 18°22'52"E		
		59°24'20"N 18°23'34"E		
		59°24'22"N 18°24'24"E		
		59°24'28"N 18°24'22"E		
		Submarine pipeline [L40.1] between		
		59°24'23"N 18°23'35"E		
		59°24'20"N 18°23'35"E		
(26(762)99 Norrkoping)				
<b>44184</b>	9Ed. 5/11/96 LAST NM 2/03	10/03		
Add	Dangerous submerged rock [K13]	59°23'48.6"N 18°46'21.0"E		
(3(113)00 Norrkoping)				

## SECTION I

**NM 10/03**

<b>44185</b>	7Ed. 3/23/96 LAST NM 2/03 Delete Beacon	10/03 59°15'50.4"N 18°48'03.0"E	<b>52080</b>	14Ed. 2/8/97 LAST NM 7/03 Delete Anchorage symbol	10/03 38°35.4"N 0°02.1"W
	Add Buoy BY, spar, double cone topmark points upward (18(556)99 Norrkoping)	59°15'52.8"N 18°48'03.0"E		Add Wreck [K29] (26(477, 478)02 Cadiz)	38°33.9"N 0°01.9'E
<b>44186</b>	2Ed. 6/15/96 LAST NM 9/03 Add Dangerous submerged rock [K13] (47(1244)99, 3(112)00 Norrkoping)	10/03 59°28'37"N 18°43'48"E	<b>52084</b>	2Ed. 8/26/95 LAST NM 4/03 <b>(Plan A)</b> Delete Anchorage symbol	10/03 38°35'21"N 0°02'14"W (26(478)02 Cadiz)
<b>44319</b>	2Ed. 2/15/97 LAST NM 9/03 Substitute Depth 13.6 meters for 14.2 meters Depth 16.4 meters for 17 meters Depth 11.3 meters for 11.2 meters Depth 19.3 meters for 13.5 meters (27(4002), 45(6969)02 St. Petersburg; Rus CH 23001)	10/03 60°00.5"N 26°35.8"E 60°02.0"N 26°39.7"E 60°00.8"N 27°02.6"E 60°09.8"N 27°59.4"E	<b>52088</b>	2Ed. 3/30/96 LAST NM 4/03 Delete Anchorage symbol Anchorage symbol Anchorage symbol	10/03 38°30'00"N 0°13'12"W 38°35'23"N 0°02'16"W 38°38'18"N 0°03'10"E
<b>44360</b>	9Ed. 10/12/96 LAST NM 9/03 Delete Depth 14 meters Depth 17 meters Substitute Depth 19.3 meters for 19 meters Add Danger circle "Obstn" [K40] Stranded wreck [K24] Depth 13.6 meters Depth 16.4 meters Depth 11.3 meters Depth 20 meters (27(4002), 45(6968, 6969), 46(7175)02 St. Petersburg)	10/03 60°00.8"N 26°35.8"E 60°01.8"N 26°39.9"E 60°09.8"N 27°59.4"E 60°02.0"N 29°23.7"E 59°59.6"N 29°12.6"E 60°00.5"N 26°35.8"E 60°02.0"N 26°39.7"E 60°00.8"N 27°02.6"E 60°10.0"N 27°59.6"E	<b>52144</b>	5Ed. 12/25/93 LAST NM 8/03 Delete Prohibited area in vicinity	10/03 39°29'30"N 2°41'54"E
				Add Fishing prohibited area [N21] joining (See 3/03-52144) (37(643)02 Cadiz)	39°29'56"N 2°42'08"E 39°24'44"N 2°43'45"E 39°28'55"N 2°41'39"E
<b>44361</b>	6Ed. 7/13/96 LAST NM 4/03 Add Danger circle "Obstn" [K40] (46(7175)02 St. Petersburg)	10/03 60°01'58"N 29°23'40"E	<b>52180</b>	14Ed. 7/31/99 LAST NM 8/03 Add Stranded wreck [K24]	10/03 37°38.9"N 12°34.8"E (3(5)01 Genova)
<b>44401</b>	7Ed. 9/29/01 LAST NM 13/02 Substitute Submarine cable [L30.1] for submarine pipeline between Submarine cable [L30.1] for submarine pipeline between (Lat CH 2253)	10/03 56°59'17.0"N 24°05'10.0"E 56°59'18.0"N 24°05'51.0"E 56°59'19.0"N 24°05'11.0"E 56°59'18.0"N 24°05'51.0"E	<b>53064</b>	6Ed. 1/28/95 LAST NM 33/02 Add "Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	10/03 43°32'14.4"N 4°03'28.2"E 43°31'08.4"N 4°04'10.2"E 43°30'47.4"N 4°03'49.2"E 43°30'56.4"N 4°01'37.2"E 43°31'53.4"N 4°01'13.2"E
				and delete hydrography within above area	
<b>44420</b>	6Ed. 12/14/96 LAST NM 9/03 Add Submarine cable [L30.1] joining	10/03 56°34.5"N 21°00.4"E 56°35.3"N 20°59.3"E 56°35.9"N 20°57.0"E 56°36.0"N 20°47.8"E 56°33.2"N 20°43.2"E 56°26.8"N 20°39.6"E 56°12.3"N 20°41.7"E		"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	10/03 43°32'11.4"N 4°03'49.2"E 43°32'17.4"N 4°04'34.2"E 43°32'26.4"N 4°04'31.2"E 43°32'20.4"N 4°03'46.2"E
				and delete hydrography within above area	
<b>44430</b>	2Ed. 6/22/96 LAST NM 6/03 Add Submarine cable [L30.1] joining	10/03 56°34.0"N 20°45.6"E 56°33.2"N 20°43.2"E 56°26.8"N 20°39.6"E 56°08.0"N 20°42.3"E 56°02.1"N 20°50.4"E 56°01.7"N 20°51.1"E 56°01.5"N 21°04.0"E		"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	10/03 43°28'35.4"N 3°52'34.2"E 43°28'35.4"N 3°55'37.2"E 43°29'56.4"N 3°54'55.2"E
				and delete hydrography within above area	
<b>44461</b>	10Ed. 1/11/97 LAST NM 6/03 Add Danger circle "Obstn" [K40] (45(6975)02 St. Petersburg)	10/03 54°39.8"N 19°46.6"E		"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	10/03 43°30'56.4"N 3°57'34.2"E 43°30'02.4"N 3°58'07.2"E 43°30'26.4"N 4°00'07.2"E 43°30'56.4"N 4°00'55.2"E 43°31'17.4"N 4°00'55.2"E 43°30'56.4"N 3°59'16.2"E
				and delete hydrography within above area	
<b>51165</b>	8Ed. 3/11/00 LAST NM 8/03 Add Beacon G, Fl(4) G 10s 12m 3M	10/03 36°32'43.0"N 6°16'47.5"W	<b>53083</b>	8Ed. 4/15/95 LAST NM 9/03 Change Light to Fl(2) WG 6s 8m 11/8M with sectors white 289°-349°, green-289°	10/03 43°20'21.2"N 6°41'06.4"E (16(40)00 Brest; Fr LL)
<b>51167</b>	6Ed. 3/11/00 LAST NM 8/03 Add Beacon G, Fl(4) G 10s 12m 3M	10/03 36°32'43.0"N 6°16'47.5"W	<b>53100</b>	16Ed. 11/18/89 LAST NM 6/03 Change Characteristic of light to Fl(2) WG 6s	10/03 43°20.4"N 6°41.5"E (16(40)00 Brest)

## SECTION I

<b>53110</b>	1Ed. 7/22/89 LAST NM 40/02 <b>(Panel A)</b>	10/03	Submerged well [L20]	35°13.0'S 21°17.4'E
Add	Wreck [K29] (21(7)01 Genova)	41°09.1'N 9°02.4'E	Submerged well with height above bottom 3 meters [L21.3]	35°14.3'S 21°41.4'E
<b>53130</b>	1Ed. 9/9/89 LAST NM 47/02	10/03		
Add	Wreck [K29] (21(7)01 Genova)	41°09.1'N 9°02.4'E		
<b>53147</b>	3Ed. 4/13/96 LAST NM 7/03	10/03		
Add	"Marine Nature Reserve" [N22] area bound by purple dashed line joining 41°37'20"N 12°20'29"E 41°36'02"N 12°21'53"E 41°34'22"N 12°19'29"E 41°35'50"N 12°17'59"E  (See 39/02-53147) (3(4)01 Genova)		Submerged well [L21.1] (3(54), 6(74)01 Cape Town)	35°31.2'S 21°43.8'E
<b>53287</b> (INT 3350)	6Ed. 9/30/95 LAST NM 8/03	10/03		
Add	Wreck [K29] (21(7)01 Genova)	41°09'05"N 9°02'23"E		
<b>54040</b>	3Ed. 6/18/83 LAST NM 6/03	10/03		
Add	Depth 4 meters Wk [K26] (PD) (21(16)01 Genova)	39°06.0'N 17°06.9'E	Delete <b>(Plan A)</b> "PROHIBITED AREA" in vicinity	33°57'04.0"S 25°37'53.0"E
<b>54081</b>	3Ed. 7/30/94 LAST NM 13/02	10/03		
Add	Depth 13 meters (21(17)01 Genova)	41°09'00.6"N 16°49'15.0"E	Add      "Marine Farm" area bound by dotted line (limiting danger line) joining 33°57'00.3"S 25°38'01.1"E 33°57'12.1"S 25°38'10.0"E 33°57'17.3"S 25°37'34.3"E 33°57'12.6"S 25°37'23.2"E  (2(33)00, 3(55)01 Cape Town)	
<b>54161</b>	12Ed. 11/5/94 LAST NM 19/02	10/03		
Add	Depth 16 meters Obstn [K41] (21(18)01 Genova)	45°24'02.4"N 12°34'44.4"E	<b>61100</b> 4Ed. 9/23/95 LAST NM 36/00	10/03
<b>54166</b>	3Ed. 5/3/97 LAST NM 25/97	10/03		
Delete	Buoy	45°25'57.5"N 12°24'55.2"E	Add      Stranded wreck [K24] (9(88)02 Cape Town)	28°30.2'S 32°24.6'E
	Add	Buoy Y, spherical, "X" topmark (21(19)01 Genova)		
<b>54168</b>	1Ed. 1/15/94 LAST NM 37/02	10/03		
Delete	Depth 11 meters	45°37'39.0"N 13°45'44.0"E	<b>62028</b> 15Ed. 2/15/97 LAST NM 18/02	10/03
	Add	Depth 17 meters (Ital CH 238; BA CH 1473)	Add      Pilot station symbol [T1.1] (4(428)03 Taunton)	22°43.0'N 59°27.5'E
<b>55127</b>	2Ed. 4/20/96 LAST NM 32/01 <b>(Plan)</b>	10/03		
Add	Dangerous wreck [K28] (44(6836)02 St. Petersburg)	47°03'17.3"N 37°30'36.3"E	<b>62271</b> 5Ed. 8/27/88 LAST NM 41/02	10/03
<b>55200</b>	2Ed. 8/17/96 LAST NM 8/03	10/03		
Delete	Danger circle "Obstn" (Supersedes 8/03-55200) (45(7037)02 St. Petersburg)	45°10.1'N 36°29.2'E	Delete      Racon at light Buoy "S12" Buoy "S11" Buoy "S10" Buoy "S9A" Buoy "S9" Buoy "S8" Buoy "S7" Buoy "S6" Buoy "S5" Buoy "S4" Buoy "S3" Buoy "S2" Buoy "Gizan South" Dangerous submerged rock	16°34'25"N 42°21'36"E 16°37'30"N 42°23'20"E 16°34'03"N 42°22'50"E 16°34'18"N 42°22'40"E 16°33'08"N 42°22'15"E 16°32'30"N 42°21'26"E 16°32'45"N 42°21'10"E 16°28'40"N 42°16'25"E 16°29'15"N 42°15'40"E 16°27'32"N 42°13'00"E 16°28'05"N 42°12'45"E 16°25'00"N 42°07'15"E 16°24'15"N 42°00'35"E 16°21'30"N 41°50'00"E 16°29'18"N 41°15'30"E
<b>57035</b>	10Ed. 5/3/97 LAST NM 46/01	10/03		
Add	Submerged well [L21.1] Submerged well [L21.1] (3(46), 6(73)01 Cape Town)	30°50.8'S 16°39.1'E 30°49.8'S 16°34.8'E	Relocate   Buoy "S-1" from 16°21'40"N 41°53'00"E to 16°21'24"N 41°53'36"E	
<b>57460</b>	4Ed. 7/27/96 LAST NM 40/01	10/03		
Add	Submerged well with height above bottom 3.3 meters [L21.3]	30°50.8'S 16°39.1'E	Add      Dangerous submerged rock [K13] (PD) 16°29'18"N 41°15'36"E	
		30°49.8'S 16°34.8'E	Dangerous submerged rock [K13]   16°22'54"N 41°02'45"E	
			Buoy "S-2" YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s   16°24'18"N 41°58'12"E	
			Buoy "S-3" YB, pillar, double cone topmark points upward, Q   16°25'24"N 42°00'36"E	
			Buoy "S-4" YB, pillar, double cone topmark points upward, Q   16°27'48"N 42°04'48"E	
			Buoy "S-5" YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s   16°29'24"N 42°15'24"E	
			Buoy "S-6" R, can, Fl R 5s   16°33'48"N 42°22'00"E	
			(4(426)03 Taunton; BA CH 15)	
<b>61000</b>	20Ed. 10/7/95 LAST NM 51/01	10/03		
Add	Submerged well [L21.1] Submerged well [L21.1] Foul ground symbol [K31] (3(54), 6(74)01 Cape Town)	35°14.3'S 21°41.4'E 35°31.2'S 21°43.8'E 35°44.3'S 22°14.6'E	<b>62290</b> 3Ed. 2/23/91 LAST NM 41/02	10/03
<b>61040</b>	6Ed. 9/9/95 LAST NM 51/01	10/03		
Add	Submerged well [L20] Submerged well [L20]	35°11.5'S 21°18.1'E 35°11.6'S 21°20.0'E	Add      Buoy "S-1" BY, pillar, double cone topmark points upward, Q   16°21.4'N 41°53.6'E	

## SECTION I

**NM 10/03**

<b>62350</b>	3Ed. 2/17/96 LAST NM 28/01 Add Pilot station symbol [T1.1] (4(428)03 Taunton)	10/03 22°43.0'N 59°27.5'E	4°12'31.8"N 100°36'36.0"E 4°12'31.8"N 100°36'42.0"E
<b>62401</b>	9Ed. 8/26/95 LAST NM 6/03 Add Legend "Mooring buoys" (4(427)03 Taunton)	10/03 24°51'42"N 53°06'15"E	Legend "Works in progress (2002)" 4°12'24.0"N 100°36'18.0"E
<b>★62402</b>	10Ed. 2/1/03 NEW EDITION (NIMA)	10/03	Legend "Less water rep (2002)" 4°15'38.0"N 100°33'57.0"E
<b>62408</b>	7Ed. 5/6/95 LAST NM 15/02 Add Legend "Mooring buoys" (4(427)03 Taunton)	10/03 24°51.70'N 53°06.25'E	(9(147, 159), 10(164)02 Kuala Lumpur)
<b>62460</b>	4Ed. 8/26/95 LAST NM 33/02 Substitute Drying height [I15] 0.2 meter (SD) for depth 2.1 meters (3(324)03 Taunton)	10/03 26°37'42"N 55°13'30"E	<b>71314</b> 5Ed. 11/21/81 LAST NM 6/03 Delete Buoy G, conical, cone topmark, Fl G 5s (34(3639)02 Taunton)  <b>72161</b> 10Ed. 12/12/98 LAST NM 15/02 Delete Buoy Add Beacon YB, double cone topmark points downward, Q(6) + L Fl 15s 8m 10M [Q130.3] (28(219)02 Jakarta)
<b>62480</b>	1Ed. 8/15/98 LAST NM 8/03 Add Platform with light flare symbol [L10] Submarine pipeline between Legend "Balal Oilfield (see Note)" (3(323)03 Taunton)	10/03 26°18.3'N 52°32.7'E 26°18.3'N 52°32.7'E 26°19.0'N 52°33.1'E 26°19.0'N 52°39.0'E	<b>72190</b> 2Ed. 2/7/98 LAST NM 30/02 Delete Buoy Add Beacon YB, double cone topmark points downward, Q(6) + L Fl 15s 8m 10M [Q130.3] (28(219)02 Jakarta)
<b>62520</b>	5Ed. 2/21/98 LAST NM 49/02 Add Platform with light flare symbol [L10]	10/03 26°18.3'N 52°32.7'E 26°18.3'N 52°32.7'E 26°19.5'N 52°33.6'E 26°17.7'N 52°36.5'E	<b>73000</b> 9Ed. 2/3/96 LAST NM 52/02 Delete Depth 20.1 meters Depth 20.1 meters "Rep (1988)" (18(500)00 Wollongong)
<b>62521</b>	3Ed. 2/21/98 LAST NM N49/02 Add Platform with light flare symbol [L10]	N10/03 26°18.3'N 52°32.7'E 26°18.3'N 52°32.7'E 26°19.5'N 52°33.6'E 26°17.7'N 52°36.5'E	<b>73004</b> 4Ed. 7/18/98 LAST NM 26/02 Delete Depth 20.1 meters Depth 31 meters Depth 30 meters Depth 20.1 meters "Rep (1988)" Depth 38 meters Legend "Inadequately Surveyed CAUTION NO 3" Substitute Depth 27.6 meters for 29 meters Add Depth 26.2 meters Depth 23.3 meters Depth 23.9 meters Depth 33 meters (18(500)00 Wollongong)
<b>62550</b>	2Ed. 3/2/96 LAST NM 43/02 Add Platform with light flare symbol [L10]	10/03 26°18'37"N 52°32'46"E 26°18'37"N 52°32'46"E 26°18'54"N 52°32'48"E 26°19'00"N 52°36'00"E	<b>73552</b> 4Ed. 4/3/99 LAST NM 9/03 Delete Light (26(829)02 Wollongong)
<b>63290</b>	7Ed. 9/1/90 LAST NM 38/02 Add Light Fl 15s 9m (PA)  <b>(Plan)</b> Add Light Fl 15s 9m (PA) (22(442)02 Dehra Dun)	10/03 16°59.3'N 82°19.7'E  16°59'18.0"N 82°19'45.0"E	<b>73570</b> 7Ed. 8/30/97 LAST NM 1/03 Delete Light (26(829)02 Wollongong)
<b>71066</b>	1Ed. 1/17/87 LAST NM 7/03 Substitute Depth 2.3 meters "Rep (1988)" for 1.1 meters 4°18'40"N 100°33'20"E Add Legend "Works in progress (2002)" 4°12'12"N 100°36'30"E  <b>(Plan)</b> Substitute Depth 2.3 meters "Rep (1988)" for 1.1 meters 4°18'40.2"N 100°33'19.8"E	10/03 4°18'40.2"N 100°33'19.8"E	<b>74003</b> 5Ed. 10/21/95 LAST NM 7/03 Change Visibility (range) of light to 11M (25(791)02 Wollongong)
	Add Dashed line joining	4°12'39.0"N 100°36'42.0"E 4°12'39.0"N 100°36'39.0"E 4°12'48.0"N 100°36'31.8"E 4°12'48.0"N 100°36'18.0"E 4°12'33.0"N 100°36'00.0"E 4°12'06.0"N 100°36'00.0"E 4°12'06.0"N 100°36'34.8"E	<b>74021</b> 7Ed. 6/7/97 LAST NM 7/03 <b>(Plan B)</b> Delete Light Light (25(797)02 Wollongong)
			<b>74171</b> 4Ed. 8/5/95 LAST NM 3/03 Add Note from Subsection I-2 Legend "MILITARY EXERCISE AREA (see Note)" (18(492)00 Wollongong)

<b>74172</b>	5Ed. 1/24/98 LAST NM 7/03 Change Visibility (range) of light to 11M	10/03 28°09'55"S 153°33'03"E	20°44.4'S 115°34.3'E 20°45.4'S 115°30.3'E
Add	Light Oc G 3s 9m 8M Light QR 9m 8M (25(791)02 Wollongong; BA LL)	28°10'07"S 153°33'19"E 28°10'13"S 153°33'20"E	(24(764)02 Wollongong)
<b>74181</b>	8Ed. 7/26/97 LAST NM 4/02 Change Visibility (range) of light to 11M	10/03 28°09'55"S 153°33'03"E	
Add	Light Oc G 3s 9m 8M Light QR 9m 8M (25(791)02 Wollongong; BA LL)	28°10'07"S 153°33'19"E 28°10'13"S 153°33'20"E	
<b>74182</b>	12Ed. 2/13/99 LAST NM 6/03 Add Dangerous wreck [K28] marked by buoy Y, pillar, Fl Y 2.5s (25(806)02 Wollongong)	10/03 27°32'37"S 153°19'08"E	
<b>74186</b>	7Ed. 10/3/98 LAST NM 4/03 Add Buoy Y, can, "X" topmark, Fl Y 2.5s (18(493)00 Wollongong)	10/03 27°26'59.3"S 153°03'04.0"E	
	<b>(Plan A)</b> Add Buoy Y, can, "X" topmark, Fl Y 2.5s (18(493)00 Wollongong)	27°26'59.3"S 153°03'04.0"E	
<b>74261</b>	9Ed. 5/23/98 LAST NM 4/03 Substitute Beacon "1" G, cone topmark, Fl G 2.5s for buoy (25(796)02 Wollongong)	10/03 15°27'11"S 145°15'22"E	
	<b>(Plan)</b> Substitute Beacon "1" G, cone topmark, Fl G 2.5s for buoy (25(796)02 Wollongong)	15°27'11.6"S 145°15'21.5"E	
<b>74290</b>	11Ed. 9/6/97 LAST NM 9/03 Delete Light (26(829)02 Wollongong)	10/03 9°04.0'S 143°13.0"E	
<b>74510</b>	2Ed. 9/13/97 LAST NM 5/03 Add Platform with light flare symbol [L10] enclosed by purple composite-line circle, radius 0.5 mile, centered Platform with light flare symbol [L10] enclosed by purple composite-line circle, radius 0.5 mile, centered Platform with light flare symbol [L10] enclosed by purple composite-line circle, radius 0.5 mile, centered Light flare symbol to platform Submarine pipeline [L40.1] joining Submarine pipeline [L40.1] joining Submarine pipeline [L40.1] joining (24(764)02 Wollongong)	10/03 20°42.0'S 115°33.9"E 20°44.4'S 115°34.3"E 20°45.4'S 115°30.3"E 20°40.4'S 115°35.1"E 20°40.4'S 115°35.1"E 20°41.5'S 115°34.5"E 20°42.0'S 115°33.9"E 20°41.5'S 115°34.5"E 20°42.8'S 115°34.0"E 20°44.4'S 115°34.3"E 20°45.4'S 115°30.3"E	
<b>74515</b>	4Ed. 7/5/97 LAST NM 7/03 Add Platform with light flare symbol [L10] enclosed by purple composite-line circle, radius 0.5 mile, centered Platform with light flare symbol [L10] enclosed by purple composite-line circle, radius 0.5 mile, centered Platform with light flare symbol [L10] enclosed by purple composite-line circle, radius 0.5 mile, centered Light flare symbol to platform Submarine pipeline [L40.1] joining Submarine pipeline [L40.1] joining Submarine pipeline [L40.1] joining (24(764)02 Wollongong)	10/03 20°42.0'S 115°33.9"E 20°44.4'S 115°34.3"E 20°45.4'S 115°30.3"E 20°40.4'S 115°35.1"E 20°40.4'S 115°35.1"E 20°41.5'S 115°34.5"E 20°42.0'S 115°33.9"E 20°41.5'S 115°34.5"E 20°42.8'S 115°34.0"E 20°44.4'S 115°34.3"E 20°45.4'S 115°30.3"E	
<b>75144</b>	3Ed. 4/22/95 LAST NM 4/03 Add Dashed-line circle "Marine Farm" Dashed-line circle "Marine Farm" Note from Subsection I-2 (24(768)02 Wollongong)	10/03 33°57'31"S 136°36'05"E 33°56'50"S 136°36'41"E 33°56'49"S 136°37'40"E 33°54'58"S 136°43'11"E 33°53'43"S 136°42'11"E 33°53'23"S 136°43'58"E 33°59'30"S 136°24'00"E	
<b>75193</b>	6Ed. 11/25/95 LAST NM 7/03 Add Beacon BY, double cone topmark points upward (Inset) Add Beacon BY, double cone topmark points upward (24(771)02 Wollongong)	10/03 42°49'31.9"S 147°18'35.3"E 42°49'31.9"S 147°18'35.3"E	
<b>81067</b>	5Ed. 1/20/90 LAST NM 5/02 Delete Light Add Light Fl 6s 75ft 6M with sectors green 030°-040°, white-047°, red-057° (2A/03 CG14)	10/03 15°14'30"N 145°42'42"E 15°14'26.6"N 145°42'44.7"E	
<b>★81076</b>	9Ed. 9/19/98 LAST NM 5/02 Delete Light Add Light Fl 6s 23m 6M with sectors green 030°-040°, white-047°, red-057° (2A/03 CG14)	10/03 15°14'26.1"N 145°42'44.6"E 15°14'26.6"N 145°42'44.7"E	
<b>91008</b>	1Ed. 7/18/92 LAST NM 8/03 Add Wreck [K29] Light symbol with Racon (50, 70, 83/02 Tso-ying)	10/03 21°57.0'N 118°56.0'E 23°46.8'N 120°09.7'E	
<b>91010</b>	6Ed. 9/2/95 LAST NM 4/02 Add Wreck [K29] Light symbol with Racon (50, 70, 83/02 Tso-ying)	10/03 21°57.0'N 118°56.0'E 23°46.8'N 120°09.7'E	
<b>93006</b>	2Ed. 7/29/95 LAST NM 8/03 Add Wreck [K29] (83/02 Tso-ying)	10/03 21°57.0'N 118°56.0'E	
<b>94004</b>	6Ed. 9/2/95 LAST NM 9/03 Add Wreck [K29] Light Fl R 3s 13M Racon Submarine cable [L30.1] joining (40/01, 50, 70, 83/02 Tso-ying)	10/03 21°57.0'N 118°56.0'E 23°46.8'N 120°09.7'E 25°17.0'N 121°25.5'E 25°30.8'N 121°28.2'E 25°40.1'N 121°28.1'E 25°40.1'N 121°28.1'E 25°55.0'N 121°53.0'E 25°57.0'N 122°08.0'E	
<b>94016</b>	2Ed. 9/23/95 LAST NM 9/03 Add Submarine cable [L30.1] joining (40/01 Tso-ying)	10/03 25°17.0'N 121°25.5'E 25°30.8'N 121°28.2'E 25°40.1'N 121°28.1'E 25°55.0'N 121°53.0'E 25°58.3'N 122°17.9'E 26°07.5'N 123°24.9'E	
<b>94040</b>	13Ed. 10/4/97 LAST NM 8/03 Add Dangerous wreck [K28] (87/02 Tso-ying)	10/03 23°14.6'N 119°38.1'E	
<b>94060</b>	10Ed. 5/18/96 LAST NM 8/03 Add Light Fl R 3s 24m 13M Racon (50, 70/02 Tso-ying)	10/03 23°46.8'N 120°09.7'E	

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**NM 10/03**

<b>94067</b>	10Ed. 6/1/96 LAST NM 33/02 Add Dangerous wreck [K28] (87/02 Tso-ying)	10/03 23°14'39"N 119°38'04"E	Purple dashed line (channel limit) joining 31°06'59"N 121°58'25"E 31°07'30"N 121°55'41"E 31°06'34"N 121°57'10"E (33(604, 606-608)02 Tianjin)
<b>94080</b>	7Ed. 9/23/95 LAST NM 48/02 Add Dangerous wreck [K28] (87/02 Tso-ying)	10/03 23°14.6'N 119°38.1'E	<b>94220</b> 4Ed. 9/23/95 LAST NM 8/03 Relocate Lightship "Jiuduan" from 31°08.4'N 121°54.4'E to (33(608)02 Tianjin) 10/03
<b>94120</b>	6Ed. 9/9/95 LAST NM 9/03 Add Submarine cable [L30.1] joining  (40/01 Tso-ying)	10/03 25°17.0'N 121°25.5'E 25°30.8'N 121°28.2'E 25°40.1'N 121°28.1'E 25°55.0'N 121°53.0'E 25°58.3'N 122°17.9'E 26°04.0'N 122°59.3'E	<b>95065</b> 5Ed. 4/16/94 LAST NM 48/02 Add Fish haven area with blue tint bound by existing fish haven and dotted line (limiting danger line) joining 10/03 37°12'38"N 126°01'42"E 37°13'02"N 126°01'42"E 37°13'02"N 126°02'31"E 37°11'22"N 126°02'31"E 37°11'22"N 126°01'42"E (1(5)00 Inchon)
<b>94123</b>	9Ed. 5/11/96 LAST NM 9/03 Change Period of light to 11s  (40/01, 41/02 Tso-ying)	10/03 25°07'38"N 121°49'44"E	<b>95067</b> 13Ed. 8/29/98 LAST NM 5/03 Delete Purple dashed line (passage limit) between 37°22'49.5"N 126°33'00.0"E 37°25'01.0"N 126°33'59.4"E Add Purple dashed line (passage limit) between 37°23'49.5"N 126°33'00.0"E 37°25'01.0"N 126°33'59.4"E (17(170)01 Inchon) 10/03
<b>94124</b>	13Ed. 3/30/96 LAST NM 44/02 <b>(Plan)</b> Change Period of light to 11s Period of buoy to 2s Period of buoy to 2s (See 30/98-94124)  Add Light Fl R 3s Light Fl G 3s (41/02 Tso-ying)	10/03 25°16'57"N 121°25'28"E 25°30'51"N 121°28'10"E 25°40'06"N 121°28'06"E 25°40'26"N 121°28'39"E	<b>95080</b> 13Ed. 6/24/95 LAST NM 9/03 Relocate Buoy from 34°48'10"N 125°45'35"E to 34°47'46"N 125°46'30"E (20(245)00 Inchon) 10/03
<b>94160</b>	7Ed. 3/23/96 LAST NM 9/03 Add Submarine cable [L30.1] joining  (40/01 Tso-ying)	10/03 25°17.0'N 121°25.5'E 25°30.8'N 121°28.2'E 25°40.1'N 121°28.1'E 25°50.6'N 121°46.0'E	<b>95100</b> 12Ed. 3/2/96 LAST NM 9/03 Relocate Buoy from 34°48'10"N 125°45'35"E to 34°47'46"N 125°46'30"E (20(245)00 Inchon) 10/03
<b>94203</b>	10Ed. 11/21/98 LAST NM 52/02 Add "Swept to 30m (2002)" area [I24] bound by green dashed line joining  (28(524)02 Tianjin)	10/03 30°27'07"N 122°45'40"E 30°26'10"N 122°44'52"E 30°24'53"N 122°46'52"E 30°25'49"N 122°47'40"E	<b>95103</b> 8Ed. 5/18/96 LAST NM 7/03 Add Light Fl R 4s 17m 7M (50(676)02 Inchon) 10/03 33°13'58"N 126°34'03"E
<b>94216</b>	6Ed. 4/20/96 LAST NM 45/02 Delete Buoy "77-1"  Purple dashed line joining  Purple dashed line joining  Relocate Buoy "9" from 31°07'40"N 121°57'47"E to 31°07'08"N 121°58'44"E Lightship "Jiuduan" from 31°08'22"N 121°54'22"E to 31°07'30"N 121°55'41"E Add Buoy "77-1" G, pillar, cone topmark, Fl G 4s 31°09'09"N 121°54'00"E Buoy "75" G, pillar, cone topmark, Fl(3) G 10s 31°07'57"N 121°56'14"E  Purple dashed line (channel limit) joining 31°07'30"N 121°58'53"E 31°07'57"N 121°56'14"E 31°09'09"N 121°54'00"E 31°10'03"N 121°52'20"E	10/03 31°09'15"N 121°54'01"E 31°07'30"N 121°58'53"E 31°09'18"N 121°55'02"E 31°10'03"N 121°52'20"E 31°06'59"N 121°58'25"E 31°08'22"N 121°54'22"E 31°06'34"N 121°57'10"E 31°07'08"N 121°58'44"E 31°07'30"N 121°55'41"E 31°09'09"N 121°54'00"E 31°07'57"N 121°56'14"E 31°09'09"N 121°54'00"E 31°10'03"N 121°52'20"E	<b>95140</b> 15Ed. 10/7/95 LAST NM 9/03 Add Beacon BRB, Fl(2) 5s 13m 8M (50(674)02 Inchon) 10/03 34°39'17"N 128°20'33"E  <b>95142</b> 9Ed. 12/15/01 LAST NM 8/03 <b>(Plan B)</b> Delete Buoy "1" Buoy "2" Buoy "3" Buoy "4" (4(52)03 Inchon) 10/03 34°55'51.0"N 128°02'55.0"E 34°55'46.0"N 128°02'50.0"E 34°55'40.0"N 128°03'12.0"E 34°55'36.0"N 128°03'06.0"E  <b>95143</b> 11Ed. 5/15/99 LAST NM 9/03 Add Beacon BRB, Fl(2) 5s 14m 8M (50(673)02 Inchon) 10/03 34°36'24"N 128°15'36"E  <b>95144</b> 9Ed. 5/15/99 LAST NM 9/03 Add Beacon BRB, Fl(2) 5s 14m 8M Beacon BRB, Fl(2) 5s 13m 8M (50(673), 674)02 Inchon) 10/03 34°36'24"N 128°15'36"E 34°39'17"N 128°20'33"E  <b>95161</b> 16Ed. 9/8/01 LAST NM 9/03 Delete Dashed line joining  Change Buoy (mooring) to "A" WBuW, Q(5) 7s HORN 35°30'05.0"N 129°23'22.7"E 35°30'41.0"N 129°23'29.7"E 35°31'02.0"N 129°23'17.2"E 35°31'11.0"N 129°23'09.0"E 35°31'15.5"N 129°23'13.5"E 35°30'57.5"N 129°23'33.7"E 35°30'47.5"N 129°23'40.2"E 35°30'05.0"N 129°23'31.7"E (continued on next page)

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<b>95161</b>	(Continued)			
	Buoy (mooring) to "B" WBuW, Q(4) 6s HORN			
	35°26'55.4"N 129°23'13.9"E			
Add	Purple dashed line (passage limit) joining			
	35°30'05.0"N 129°23'22.7"E 35°30'16.6"N 129°23'25.0"E 35°30'50.0"N 129°23'20.6"E 35°31'10.7"N 129°23'05.6"E 35°31'16.2"N 129°23'15.5"E 35°30'53.2"N 129°23'32.3"E 35°30'25.4"N 129°23'35.8"E 35°30'05.0"N 129°23'31.7"E			
	(48(645)02, 4(51)03 Inchon)			
<b>95162</b>	2Ed. 2/12/94 LAST NM 47/02	10/03		
Delete	Light	37°32'31.0"N 129°07'08.0"E		
Add	Light Fl R 4s 14m 7M	37°32'23.3"N 129°07'12.1"E		
	Double solid line with land tint (breakwater extension) between	37°32'01.0"N 129°07'08.0"E 37°32'23.3"N 129°07'12.1"E		
	(1(2), 49(639)00, 46(576)01, 26(334)02 Inchon)			
<b>95163</b>	2Ed. 6/4/94 LAST NM 9/03	10/03		
Delete	Buoy "A"	36°06'51.0"N 129°25'59.0"E		
	Buoy "B"	36°06'51.0"N 129°26'15.0"E		
	Buoy "C"	36°06'43.0"N 129°26'27.0"E		
	Buoy "D"	36°06'33.0"N 129°26'16.0"E		
Relocate	Buoy "A" from 36°07'16.0"N to	129°26'24.0"E 36°07'08.5"N 129°26'24.0"E		
	and change characteristic to Fl(4) Y 8s			
	Buoy "B" from 36°07'05.0"N to	129°26'37.0"E 36°06'59.5"N 129°26'34.0"E		
	and change characteristic to Fl(4) Y 8s			
	Buoy "C" from 36°06'54.0"N to	129°26'50.0"E 36°06'48.5"N 129°26'49.0"E		
	and change characteristic to Fl(4) Y 8s			
	Buoy "D" from 36°06'44.0"N to	129°26'37.0"E 36°06'38.5"N 129°26'59.0"E		
	and change characteristic to Fl(4) Y 8s			
	Buoy "E" from 36°06'54.0"N to	129°26'24.0"E 36°06'28.5"N 129°27'10.0"E		
	and change characteristic to Fl(4) Y 8s			
	Buoy "F" from 36°07'05.0"N to	129°26'12.0"E 36°06'23.5"N 129°27'06.0"E		
	and change characteristic to Fl(4) Y 8s			
Add	Buoy "G" Y, pillar, "X" topmark, Fl(4) Y 8s	36°06'33.0"N 129°26'55.0"E		
	Buoy "H" Y, pillar, "X" topmark, Fl(4) Y 8s	36°06'42.5"N 129°26'43.0"E		
	Buoy "J" Y, pillar, "X" topmark, Fl(4) Y 8s	36°06'55.5"N 129°26'29.0"E		
	Buoy "K" Y, pillar, "X" topmark, Fl(4) Y 8s	36°07'01.5"N 129°26'17.0"E		
	Double solid line with land tint (breakwater) between	36°07'06.0"N 129°26'23.0"E 36°07'02.0"N 129°26'27.0"E		
	Double dashed line with land tint (breakwater) and legend "Under construction" between	36°07'02.0"N 129°26'27.0"E 36°05'31.0"N 129°28'18.0"E		
	(ROK CH 146; 28(326), 33(399)00, 1(2)02 Inchon)			
<b>95180</b>	11Ed. 6/15/96 LAST NM 9/03	10/03		
Delete	Light	37°32'31"N 129°07'08"E		
Add	Light Fl R 4s 14m 7M	37°32'23"N 129°07'12"E		
	(26(334)02 Inchon)			
<b>95185</b>	2Ed. 2/12/94 LAST NM 49/02	10/03		
Delete	Light	37°32'31.0"N 129°07'08.0"E		
Add	Light Fl R 4s 14m 7M	37°32'23.3"N 129°07'12.1"E		
	(26(334)02 Inchon)			
<b>95270</b>	4Ed. 11/9/91 LAST NM 9/03	10/03		
Change	Visibility (range) of light to 7/3M	(4(108)03 Tokyo)	36°53.3"N 137°25.0"E	
<b>95271</b>	4Ed. 2/7/98 LAST NM 9/03	10/03		
Change	Light to F Fl G 5s 13m 7/3M	(4(108)03 Tokyo)	36°53'26.0"N 137°24'52.0"E	
<b>95281</b>	15Ed. 1/17/98 LAST NM 7/03	10/03		
Substitute	Danger circle [K1] "Wave Meter" for buoy	35°41'16.5"N 136°04'36.0"E		
	(Plan)			
Substitute	Danger circle [K1] "Wave Meter" for buoy	35°41'16.5"N 136°04'36.0"E		
Add	Position circle "(R Lt)"	35°40'52.7"N 136°04'45.8"E		
	(4(106)03 Tokyo)			
<b>95341</b>	8Ed. 2/22/97 LAST NM 1/03	10/03		
Add	Fish haven symbol [K46.1]	(44(1580)00 Tokyo)	34°09'48"N 130°52'18"E	
<b>96042</b>	11Ed. 6/19/82 LAST NM 16/02	10/03		
Add	Buoy (mooring) [Q40]	(35(5454)02 St. Petersburg)	43°04'26.4"N 131°51'28.9"E	
<b>96379</b>	1Ed. 5/13/89 LAST NM 43/01	10/03		
Relocate	Buoy "63" from 53°29'30"N to	141°22'54"E to 53°29'31"N 141°22'48"E		
	and add period 6s			
	Buoy "68" from 53°16'24"N to	141°45'36"E to 53°16'29"N 141°45'47"E		
	and add period 6s			
Add	Buoy "61" RW, pillar, ball topmark, L Fl 6s	53°08'58"N 141°43'00"E		
	Buoy "65" RW, pillar, ball topmark, L Fl 6s	53°22'49"N 141°39'37"E		
	Period 6s to buoy "66"	53°24'26"N 141°36'47"E		
	(16(229)02 St. Petersburg)			
<b>96381</b>	2Ed. 6/10/89 LAST NM 44/01	10/03		
Relocate	Buoy "52" from 52°45'24"N to	141°28'00"E to 52°45'19"N 141°28'25"E		
	Buoy "51" from 52°42'36"N to	141°27'36"E to 52°42'25"N 141°27'42"E		
	Buoy "50" from 52°39'30"N to	141°28'06"E to 52°39'46"N 141°28'04"E		
	Buoy "48" from 52°35'18"N to	141°27'00"E to 52°35'21"N 141°26'58"E		
	Buoy "47" from 52°33'36"N to	141°27'36"E to 52°33'34"N 141°27'57"E		
Add	Buoy "61" RW, pillar, ball topmark, L Fl 6s	53°08'58"N 141°43'00"E		
	Buoy "59" RW, pillar, ball topmark, L Fl 6s	53°00'18"N 141°39'56"E		
	Buoy "56" R, pillar, can topmark, QR WHIS	52°53'31"N 141°36'50"E		
	Buoy BRB, pillar, double ball topmark, Fl(2) 5s WHIS	52°33'24"N 141°27'10"E		
	(16(229)02 St. Petersburg)			
<b>96382</b>	2Ed. 7/22/89 LAST NM 44/01	10/03		
Relocate	Buoy "48" from 52°35'18"N to	141°27'00"E to 52°35'21"N 141°26'58"E		
	Buoy "47" from 52°33'36"N to	141°27'36"E to 52°33'34"N 141°27'57"E		
Add	Buoy BRB, pillar, double ball topmark, Fl(2) 5s WHIS	52°33'24"N 141°27'10"E		
	(16(229)02 St. Petersburg)			
<b>96441</b>	1Ed. 5/27/57 LAST NM 41/02	10/03		
(Plan A)				
Add	Depth 0.8 meter Wk [K26]	59°33'47"N 150°44'09"E		
	(continued on next page)			

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**NM 10/03**

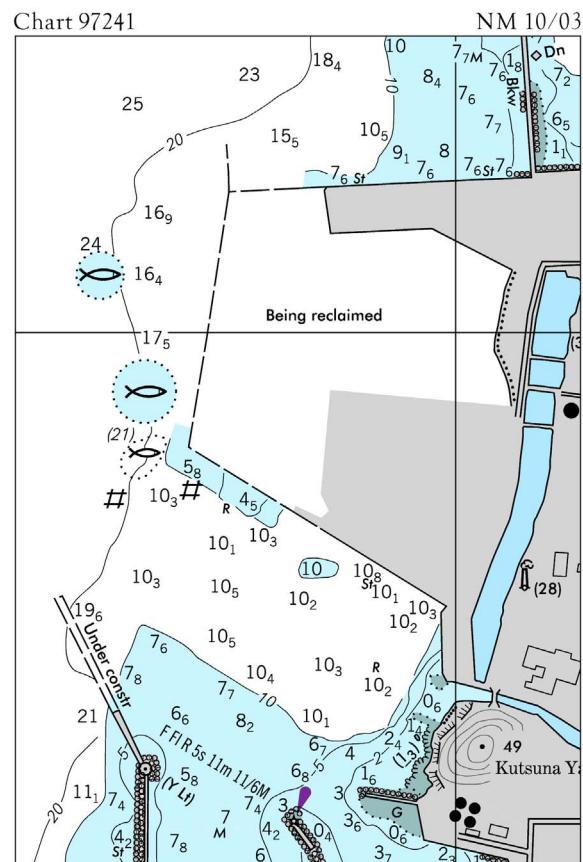
<b>96441</b>	(Continued)					
	Buoy YBY, pillar, double cone topmark points together, Q(9) 15s WHIS [Q130.3]	59°29'58"N 150°30'30"E				
	Buoy YBY, pillar, double cone topmark points together, Q(9) 15s WHIS [Q130.3]	59°33'09"N 150°45'54"E				
	(47(7296), 48(7491)01 St. Petersburg)					
<b>96500</b>	6Ed. 6/17/95 LAST NM 41/02		10/03			
Add	Purple dashed-line circle "Unexploded Ordnance"	52°54.6'N 159°09.1'E				
	Purple dashed-line circle "Unexploded Ordnance"	52°57.8'N 159°15.0'E				
	Wreck [K29]	52°54.7'N 160°25.3'E				
	Depth 310 meters	52°46.2'N 160°19.0'E				
	(48(7486)01, 32(4934), 34(5308)02 St. Petersburg)					
<b>96520</b>	7Ed. 7/22/95 LAST NM 15/01		10/03			
Add	Wreck [K29]	52°54.7'N 160°25.3'E				
	Depth 122 meters	56°10.3'N 163°36.0'E				
	Depth 130 meters	56°09.5'N 163°33.6'E				
	Depth 298 meters	56°09.5'N 163°38.5'E				
	Depth 85 meters	55°53.6'N 162°10.3'E				
	(32(4934), 34(5308)02 St. Petersburg)					
<b>96540</b>	5Ed. 8/26/95 LAST NM 14/01		10/03			
Substitute	Depth 1452 meters for 2071 meters	57°09.7'N 163°35.4'E				
Add	Depth 122 meters	56°10.3'N 163°36.0'E				
	Depth 130 meters	56°09.5'N 163°33.6'E				
	Depth 298 meters	56°09.5'N 163°38.5'E				
	Depth 1773 meters	56°36.6'N 163°34.3'E				
	Depth 1863 meters	57°13.7'N 163°35.9'E				
	Depth 109 meters	59°29.4'N 166°14.5'E				
	(34(5308)02 St. Petersburg)					
<b>96560</b>	5Ed. 7/1/95 LAST NM 14/01		10/03			
Add	Cautions note from Subsection I-2	60°39.0'N 164°58.0'E				
	Legend "CAUTION NO 3" between	59°58.0'N 166°05.0'E 59°58.0'N 166°35.0'E				
	Depth 109 meters	59°29.4'N 166°14.5'E				
	Depth 110 meters	59°29.4'N 166°21.6'E				
	Depth 166 meters	59°48.5'N 166°52.9'E				
	(16(2290), 34(5308)02 St. Petersburg)					
<b>96580</b>	3Ed. 7/1/95 LAST NM 35/95		10/03			
Add	Depth 141 meters	61°08.5'N 174°42.1'E				
	Depth 155 meters	61°09.3'N 174°43.8'E				
	(34(5308)02 St. Petersburg)					
<b>96621</b>	5Ed. 10/4/97 LAST NM 33/01		10/03			
Add	Buoy RW, pillar, ball topmark, L Fl 6s [Q130.5]	64°44'06"N 176°35'45"E				
	(16(2291)02 St. Petersburg)					
<b>96910</b>	1Ed. 3/5/77 LAST NM 8/02		10/03			
Change	Visibility (range) of light to 4M	51°29'15"N 156°29'34"E				
	(16(2293)02 St. Petersburg)					
<b>96943</b>	15Ed. 12/9/95 LAST NM 9/03		10/03			
Add	Buoy "Current Meter" Y, conical, (Y Lt)	40°57'08"N 141°25'12"E				
	(4(109)03 Tokyo)					
<b>97041</b>	9Ed. 7/25/98 LAST NM 47/02		10/03			
Add	Position circle "(Y Lt)"	40°33'04.8"N 141°30'21.3"E				
	(4(110)03 Tokyo)					
<b>97062</b>	12Ed. 12/6/97 LAST NM 6/03		10/03			
Add	Fish haven symbol [K46.1]	38°11'07.0"N 141°08'20.0"E				
	Fish haven symbol [K46.1]	38°11'07.0"N 141°07'33.0"E				
	Fish haven symbol [K46.1]	38°10'30.0"N 141°05'59.0"E				
	Fish haven symbol [K46.1]	38°10'30.0"N 141°05'11.0"E				
	(40(1435)00 Tokyo)					
<b>97204</b>	9Ed. 2/12/94 LAST NM 6/03		10/03			
Add	Fish haven symbol [K46.1]	34°26'52.0"N 134°47'15.0"E				
	(15(516)00 Tokyo)					
<b>97221</b>	20Ed. 1/17/98 LAST NM 9/03		10/03			
Change	Visibility (range) of beacon to 10M	34°17'20"N 134°57'43"E				
	(4(128)03 Tokyo)					
<b>97222</b>	12Ed. 12/27/97 LAST NM 47/02		10/03			
Change	Visibility (range) of beacon to 10M	34°17'20"N 134°57'43"E				
	(4(114, 128)03 Tokyo)					
<b>97225</b>	31Ed. 1/21/95 LAST NM 9/03		10/03			
Change	Visibility (range) of beacon to 10M	34°17'08"N 134°57'53"E				
	(Plan)					
Change	Visibility (range) of beacon to 10M	34°17'08"N 134°57'53"E				
	(4(114, 128)03 Tokyo)					
<b>97241</b>	6Ed. 2/21/98 LAST NM 50/01		10/03			
Add	Fish haven symbol [K46.1]	33°49'40.3"N 132°40'39.2"E				
	Fish haven symbol [K46.1]	33°53'13.1"N 132°38'22.7"E				
	Chartlet, depicting changes in hydrography and					
	topography, from Subsection I-2					
		33°50'54.0"N 132°41'51.0"E				
	(15(519, 520), 44(1587), 50(1785)00, 24(875), 42(1585)01, 37(1283),					
	38(1307)02 Tokyo; Jpn CH W1124)					
<b>97251</b>	4Ed. 2/14/98 LAST NM 6/03		10/03			
Add	Chartlet, depicting changes in hydrography and					
	topography, from Subsection I-2					
	(Jpn CH W128)					
<b>97267</b>	16Ed. 2/21/98 LAST NM 8/03		10/03			
Add	Fish haven symbol [K46.1]	33°57'37"N 132°30'34"E				
	(21(710)00 Tokyo)					
<b>97271</b>	12Ed. 11/29/97 LAST NM 6/03		10/03			
Add	Fish haven symbol [K46.1]	33°57'37"N 132°30'34"E				
	(21(710)00 Tokyo)					
<b>97272</b>	11Ed. 6/14/97 LAST NM 6/03		10/03			
Add	Fish haven symbol [K46.1]	33°57'40"N 131°42'34"E				
	(15(521)00 Tokyo)					
<b>97286</b>	6Ed. 7/19/97 LAST NM 8/03		10/03			
Change	Visibility (range) of light to 13M	33°54'57.0"N 130°56'21.0"E				
	Visibility (range) of light to 13M	33°55'02.0"N 130°56'32.0"E				
	Visibility (range) of light to 13M	33°53'51.0"N 130°55'17.0"E				
	(4(116)03 Tokyo)					
<b>97420</b>	17Ed. 9/20/97 LAST NM 8/03		10/03			
Change	Visibility (range) of light to 7M	33°40.9'N 130°14.1'E				
	(4(117)03 Tokyo)					
<b>97421</b>	13Ed. 3/30/96 LAST NM 1/03		10/03			
Change	Visibility (range) of light to 7M	33°40'52.0"N 130°14'07.0"E				
	(4(117)03 Tokyo)					
<b>97425</b>	6Ed. 1/30/99 LAST NM 8/03		10/03			
Change	Light to Fl(2) R 7s 7M	33°40'52.0"N 130°14'07.0"E				
	(4(117)03 Tokyo)					

**97480** 7Ed. 6/1/96 LAST NM 9/03  
Add Submarine cable [L30.1] joining 10/03  
25°47.8'N 121°14.0'E  
25°55.0'N 121°53.0'E  
25°58.3'N 122°17.9'E  
26°05.0'N 123°06.5'E  
(40/01 Tso-ying)

## SECTION I

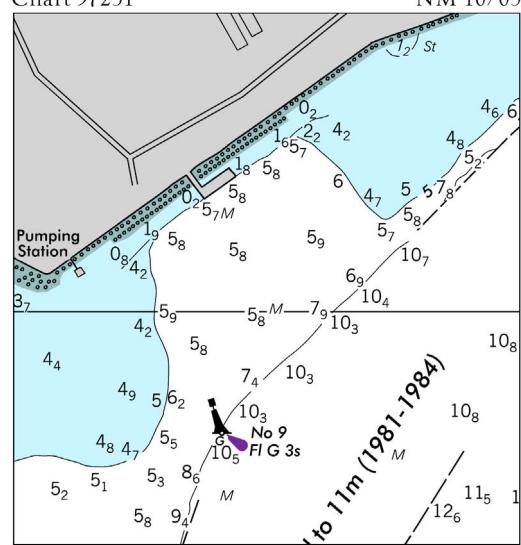
NM 10/03

Chart 97241



### Chart 97251

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## SECTION I

NM 10/03

Chart 11537

NM 10/03

CAPE FEAR RIVER CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV - DEC 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	
BALDHEAD SHOAL	36.2	38.3	38.4	32.0	6-11-02	500 5.0 40
SMITH ISLAND	44.6	45.4	45.6	42.7	9-02	500 1.0 40
BALDHEAD CASWELL CHANNEL	44.1	45.6	44.9	44.8	11-02	500 0.4 40
SOUTHPORT CHANNEL	42.5	44.4	44.6	40.5	11-02	500 1.0 40
BATTERY ISLAND CHANNEL	40.0	45.3	43.0	29.0	11-02	500 0.5 40
LOWER SWASH	41.5	42.0	40.6	40.5	11-02	400 1.6 38
SNOWS MARSH	41.0	42.2	39.8	38.9	11-02	400 3.1 38
HORSESHOE SHOAL	40.4	42.7	42.2	40.8	5-02	400 1.2 38
REAVES POINT	36.2	37.7	37.5	36.3	12-02	400 1.2 38
LOWER MIDNIGHT	35.7	38.0	39.0	36.5	12-02	400 1.6 38
UPPER MIDNIGHT	36.7	37.6	38.3	36.2	3-02	400 2.7 38
LOWER LILLIPUT	37.1	36.8	36.9	35.3	3-02	400 1.9 38
UPPER LILLIPUT	36.4	36.7	37.7	37.0	12-02	400 1.9 38
KEG ISLAND	38.2	39.2	38.8	35.8	12-02	400 1.4 38
BIG ISLAND LOWER	39.7	42.4	43.6	43.1	3-02	400 0.8 38
BIG ISLAND UPPER	39.0	43.9	42.6	38.6	8-02	400 0.5 38
LOWER BRUNSWICK	36.8	39.3	39.1	35.8	8-02	400 1.6 38
UPPER BRUNSWICK	34.1	39.7	39.7	36.8	4-02	400 1.0 38
FOURTH EAST JETTY	36.7	38.6	39.0	36.5	4-02	400 1.2 38
BETWEEN CHANNEL	32.2	39.7	39.1	36.2	4-02	550 0.8 38
ANCHORAGE BASIN & APP CHANNEL	29.8	35.7	35.9	32.2	4-02;11-02	450-1090 1.3 38
Hwy 74-76 TO BATTLESHIP	26.7	33.7	35.5	28.3	11-02	400 0.6 32
BATTLESHIP TO Hwy 117 INCLUDING TURNING BASIN	9.0	29.4	31.4	18.6	11-02	190-850 - 32
Hwy 117 TO HILTON BR	27.7	27.9	31.2	30.8	11-02	200-400 0.5 32
THENCE TO END OF PROJECT AT 34°16'36"N, 77°57'01"W	22.9	22.6A	20.8B	17.5C	11-02	200 1.2 25
TURNING BASIN	20.9	21.1	17.2	12.8	11-02	500 0.1 25

A. EXCEPT FOR SHOALING TO 17.3 FEET FOR THE LAST 150 FEET OF THE PROJECT.  
 B. EXCEPT FOR SHOALING TO 10.1 FEET FOR THE LAST 150 FEET OF THE PROJECT.  
 C. EXCEPT FOR SHOALING TO 10.7 FEET FOR THE LAST 250 FEET OF THE PROJECT.  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 74171

NM 10/03

**MILITARY EXERCISE AREA**  
 Bombing exercises and other military practices take place within the limits of this chart. For details, see Sailing Directions.

Chart 75144

NM 10/03

### MARINE FARMS

Marine farms, which may be floating or fixed structures, and their associated moorings should be avoided. The farms are generally marked by buoys or beacons, which may be lit.

## SECTION I

NM 10/03

Chart 96560

NM 10/03

### CAUTIONS

1. See Sailing Directions (Planning Guide) for regulations pertaining to navigation within the waters of the Russian Federation.
2. Mariners are warned to exercise caution within the area indicated. The detail of these areas has not been derived from adequate hydrographic surveys and uncharted dangers may exist.
3. Southward of 60-02 N on the Govenia Peninsula, the area to six miles offshore is the Koryaksky State Nature Reserve.

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 2/02 THROUGH NM 10/03**

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	11312	3	2*,4,7,8,21,26,28,36, 46/02;1,6,7/03	11373	42	31*,33,37,40,41,42,45, 49/02;7,9/03	11489	34	8/03*	
50	5	5,8,17/02	11313	22	4,31/02	11374	31	45*,49,50/02;1,2,7,8, 9/03	11490	17	2/02	
51	1	7/02	11314	21	4,8,14/02	11375	35	1*,2,5,7,9/03	11491	33	2,18,22,28,29,30,34,37, 38/02	
52	1	14,18/02	11315	30	37/02*	11376	48	9*,13,15,16,21,22,23,25, 27,29,31,40,43,50/02;2, 7/03	11492	19	9/02*	
53	2	5,17/02	11316	38	4,11,13,14,16,21,25,36, 37,40,49/02	11377	4	26*,40,50/02;2/03	11493	9	N11,N24,N39/02	
70	4	7/03	11317	29	20*,21,25,37,40,49/02	11378	31	10*,16,18,22,23,25,27, 30,32,40,50/02;7,9/03	11494	8	N11,N12,N24,N39/02	
71	4	7/03	11318	1	N6,N7,N12,N21,N29, N46/02;N6/03	11379	4	26*,40,50/02;2/03	11495	16	19/02*	
101	3	48/02	11319	30	11,13,25,40/02	11380	39	46/02*;9/03	11496	9	N6,N32,N35/02;N1/03	
108	9	12,13,32,35/02	11320	1	N8,N9,N28/02	11383	49	19*,22,27,30,32/02;9/03	11498	16	19/02*	
302	1	2/03	11321	29	12*,22,28,39,40,41,45/02	11384	32	3,10,18,22,30,32/02;9/03	11502	28	11/02	
310	20	2/03	11322	27	21,22,24,36,37,49/02;	11385	25	23/02*	11503	39	38*,39,43/02	
400	3	23,26,31,32,33,35,45/02	4/03	11323	59	26*,28,33,37,39,45/02;1, 6,7/03	11388	16	7,10,17/02	11505	1	4,11,16,18,26,28,31,34, 40,49/02;1,4,5/03
401	5	22,23,26,31,33,35,45/02	11324	32	22*,24,25,31,33,37/02;1, 6,7,9,10/03	11389	32	2*,7,8,11,18,23,28,33, 37/02;2,7/03	11506	40	10/03*	
411	48	11,13,16,22,23,26,31,32, 33,35,40,42,45,50/02;5, 6/03	11325	34	19*,21,24,35,37,49/02;4, 6,8/03	11390	22	23*,27,33,34,37/02;7/03	11507	31	9/03*	
500	7	5/02	11326	31	7*,9/03	11391	22	6,8,18,23,33,34/02;7/03	11510	18	34/02	
501	12	9*,10/03	11327	30	5,7,10,11,16,21,22,24,28, 37,49/02;1/03	11392	6	2,10,34/02	11511	16	12/02*	
502	2	52/02	11328	22	6,7,9,10,21,36,37,39,47, 49/02;4,6/03	11393	20	5*,7,8,11,18/02	11512	59	10/03*	
507	2	45/02	11329	34	12*,21,24,36,37,39,47, 49/02;1,4,8,10/03	11400	34	9*,11,23,39/02;4,9/03	11513	23	4,18,32,49/02;1/03	
508	2	15,24,45/02	11330	14	2*,4,6,7,8/03	11401	29	8,23/02	11514	26	37*,40,49/02;4,5/03	
509	4	14/02	11331	18	11,17,23/02;8/03	11404	21	15,23,50/02;9/03	11515	17	10/02*	
513	6	5,17,38/02	11332	28	42*,43,49,51/02;6/03	11405	28	31/02*/9/03	11516	29	7*,18,24,37,49/02	
520	127	5,8,20,38/02	11333	1	N28/02	11406	11	9/03	11517	17	32/02	
521	11	5,17/02	11334	67	2*,5,6,7,8,9/03	11407	18	15/02*	11518	32	6,15,16,32,35,43,48, 52/02	
522	87	14,18/02	11335	38	6,7,9,10,11,12,16,18,21, 22,23,24,28,30,31,34,36, 37,39,43/02/	11408	28	3/03*	11520	40	31*,39,40,44,46,51/02;4, 6,7/03	
523	8	5,17/02	11336	14	38*,42,51/02	11409	27	4/03	11521	26	15*,17,32,35/02;9/03	
524	12	14,18,47/02	11337	18	11,17,23/02;8/03	11411	14	43*,45/02;7/03	11523	21	15*,17,32,35,52/02;5, 9/03	
525	3	14,18/02	11338	28	42*,43,49,51/02;6/03	11412	41	42*,45/02;1,6,7/03	11524	46	8/03*	
526	10	7,9,12,18,47/02;6/03	11339	1	N28/02	11415	5	42*,45/02;1,2,7/03	11525	6	N2,N12,N14,N17,N19, N23,N39,N40,N44,N46, N51/02;N4,N6,N8/03	
530	30	22*,26,37,38,40,52/02;6, 10/03	11340	67	2*,5,6,7,8,9/03	11416	5	42,48/02;1,2,6/03	11527	16	12,37/02	
531	21	18*,47,52/02	11341	38	6,7,9,10,11,12,16,18,21, 22,23,24,28,30,31,34,36, 37,39,43/02/	11420	26	5,20,39,42/02;4,7,8/03	11531	21	31/02*	
532	17	5,17,38/02	11342	51	7,11,14,17,21,23,24,30, 37,43,49/02;4,8/03	11421	17	21,24,36,42/02;4/03	11532	20	15*,37/02	
540	16	51/02	11343	36	7,17,21,23,37,40,49/02;4, 8/03	11425	34	46*,49/02;4/03	11534	31	2*,9,13,14,32/02;7/03	
541	2	6/03	11344	35	9/03*	11426	35	31/02*	11535	12	12*,25,46/02	
550	7	18,24,45/02;6/03	11345	31	9/03*	11427	33	2/03*	11536	15	19*,40/02;4,7/03	
601	4	14/02;6,8/03	11346	33	42*,43,47,49/02;4,6,7, 8/03	11428	32	52/02*/6/03	11537	33	7*,8,9,13,17,20,23,31,32, 33,39,40,42,44,50/02;4,5, 7,10/03	
602	6	12,47/02;6/03	11347	19	23/02;6,7/03	11429	21	47/02*	11539	18	2,9,39,44,51/02;6/03	
603	6	47/02;10/03	11348	19	23/02;6,7/03	11430	24	16/02	11541	33	8*,9/03	
604	5	12,18/02	11349	40	38*,42,51/02	11431	12	31/02*	11542	15	39/02	
605	4	9,12/02;6/03	11350	24	15/02*	11432	13	N20/02;N8/03	11543	22	13,18,29,39/02;8/03	
606	1	9/02	11351	37	5,6,8,9,10,11,12,15,16, 19,22,27,28,30,33,36,37, 38,40,47,51/02;5,6,7, 8/03	11433	11	7,8/03	11544	37	36/02*/8/03	
607	1	7/02	11352	36	3*,7,8,9/03	11434	24	21/02*	11545	60	45*,47/02;6,8/03	
621	5	7,22/02	11353	2	21*,24,25,26,35,38,43, 45,49/02;4,5,7/03	11435	13	N20/02;N8/03	11547	35	22*,25,29,30,37,47/02;6, 8/03	
622	9	9,12,14,20,47/02;6/03	11354	23	5,6,8,12,15,16,19,22,27, 28,33,37,38,40,47,51/02;	11436	30	36/02/7/03	11548	38	47/02*	
623	9	14,47/02	11355	36	21*,24,25,26,39/02	11437	35	38/02*	11553	28	8/03*	
624	3	22/02	11356	34	9,11,12,13,28,29,39,40, 42,45,47,51/02;6,7/03	11438	14	7/03	11555	38	36/02*/7/03	
632	8	15,24,45/02	11357	35	36*,37,40,42,51/02;6, 9/03	11439	25	15/02*,6,7/03	12200	47	38*,42,52/02;7/03	
702	5	7/03	11358	51	23*,24,26,27,31,39,42, 51/02;7/03	11440	16	7/03	12201	25	N14,N15,N17,N19,N23, N42,N52/02;N7/03	
703	4	46/02;7/03	11359	11	22*,26,39/02	11441	16	7/03	12204	35	10/03*	
705	3	12,46,52/02	11360	40	1*,2,5,6,8/03	11442	16	28/02/7/03	12205	27	37*,43,52/02	
709	2	50/02	11361	69	13*,16,17,19,22,24,25, 26,27,31,34,36,45,51/02; 6/03	11443	21	31/02*	12206	29	31*,33,38,46/02;10/03	
800	4	17/02	11362	4	N5,N6,N7,N8,N10,N12, N13,N14,N16,N17,N18, N22,N23,N24,N28,N29, N31,N33,N36,N39,N40, N47/02;N2,N5,N6,N8/03	11444	5	5,28/02;7/03	12207	20	2,11,23,50,52/02	
803	1	8,17/02	11363	38	26*,29,35,38,40,43,49, 51/02;4,5,7/03	11445	24	22*,28/02	12208	8	12*,18,23,50,52/02	
1113A		5,20,39,42/02;4,7,8/03	11364	39	3*,4,5,8,9/03	11446	16	7/03	12210	36	8/03*	
1114A		9*,11,23,39/02;4,9/03	11365	17	52/02*/9/03	11447	35	52/02*	12211	41	10/03*	
1115A		1*,2,5,6,8/03	11366	7	48*,51/02;5,6,7,8/03	11448	10	16/02;6/03	12214	43	5,11,12,23,26,27,42/02	
1116A		2*,5,6,7,8/03	11367	31	5,12,16,17,25,33/02	11449	16	16/02;6/03	12216	27	47/02*	
1117A		28*,30,31,37,39,40,41, 42,45,51/02;1,6,7,8/03	11368	22	38/02*	11450	8	26*,28/02	12217	73	52/02*,1,4,6,7/03	
11004	7	4,7,8,9,10,11,12,13,15, 16,18,22,26,28,31,37,39, 40,42,43,45,47,51/02;5,6, 7,8,9/03	11369	44	9/03*	11451	30	8*,22,28,43/02;7,9/03	12218	42	13*,27,30,33,34,38,43, 44,46,50,52/02;5,6,10/03	
11006	30	28*,36,39,40/02;2,6/03	11370	23	2*,5,6,17,31,33,40,45,51/02; 9/03	11452	37	47*,50/02;4/03	12219	23	8/03*	
11009	36	2*,5,12,19,23,24,32,35, 44,45,51/02;6/03	11371	35	9/02;7/03	11453	16	16/02;6/03	12220	53	28*,30,31,47/02;4,6,7/03	
11013	44	18*,20,35,50/02;6,7,8, 9/03	11372	30	2*,7,8,10/03	11454	10	16/02;6/03	12221	16	2*,22,30,32/02;7/03	
11300	38	26*,28,30,31,37,39,40, 41,42,45,51/02;1,6,7, 8/03	11364	49	4/03*	11455	16	16/02;6/03	12222	59	52/02*,1,7/03	
11301	23	7,10,14,21,37/02	11365	17	52/02*/9/03	11456	19	16/02;6/03	12223	26	9*,14,31,35,46/02;7/03	
11302	29	34*,37/02	11366	7	48*,51/02;5,6,7,8/03	11457	16	16/02;6/03	12224	35	3*,4,5,6/03	
11304	12	10/02	11367	31	5,12,16,17,25,33/02	11458	4	5,8,15,24,27,35,50/02; 7,9/03	12225	29	12*,30,31,47/02;4,6,7/03	
11305	1	N6,N7,N11,N21,N26, N29,N36,N46/02;N1,N6, N7/03	11368	22	38/02*	11459	10	16/02;6/03	12226	16	2*,22,30,32/02;7/03	
11307	36	9,13,28,31/02	11369	44	9/03*	11460	38	29,35,50/02;6/03	12227	22	43*,49,50/02;5,6,10/03	
11308	22	3*,7,10/03	11370	23	2*,5,6,17,31,33,40,45,51/02; 9/03	11461	10	16/02;6/03	12228	29	43/02*	
11309	36	13*,14,21,26,28,36, 46/02;1,6,7/03	11371	35	9/02;7/03	11462	19	16/02;6/03	12229	59	52/02*,1,7/03	
11310	1	N4,N7,N8,N21,N46/02	11372	30	2*,7,8,10/03	11463	19	16/02;6/03	12230</			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 10/03

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.
12251	23	10,35/02;4,6,7/03	13009	30	42*,48,49/02;1,9/03	13398	3	19*,36/02	14848	56	9*,23,24,31/02;9/03
12252	23	5,33,34/02;4,7,10/03	13200	33	13*,25,37,48/02;7,9/03	14002	57	21/02	14850	51	21*,23/02;7/03
12253	42	9*,33,38,42,46,50/02;10/03	13201	10	N13,N25,N37,N48/02;N9/03	14003	6	11,12,13,16,25,48,49/02;5,9/03	14852	44	9*,20,23,25,26,37/02;7/03
12254	43	38*,43,44/02	13203	12	37/02	14008	76	21/02	14853	13	21*,23,24,25,26,31,37/02;7,9/03
12255	15	13*,44/02	13204	12	13/02	14010	5	21,35/02	14854	13	24/02
12256	13	19*,33,44/02	13205	36	9,12,37,42,45,48/02;1,5/03	14018	6	16/02	14860	35	8*,21,24/02
12261	28	37*,44/02;7/03	13209	23	14,37/02	14024	5	33,36,39/02	14862	28	26/02*
12263	51	38/02*/7,7/03	13211	13	9,21,23,47/02	14040	65	40/02	14863	30	5*,10,24/02
12264	28	38/02*/7,7/03	13212	35	9/03*	14044	44	6/03	14864	26	24,37/02
12266	27	30/02	13213	39	8,45/02;6/03	14066	19	6/03	14865	16	4/03
12268	10	22/02*	13214	27	34*,45,48/02;5/03	14067	11	6/03	14867	25	6,32/02
12270	32	9/03*	13215	17	9,14,45,48/02;1,5/03	14083	30	33/02	14869	26	9/02*
12272	29	26*,27,36,45/02	13216	1	N12,N48/02	14087	58	33/02	14871	2	21/02
12273	53	26*,31,36,45,50/02;5/03	13217	14	14/02	14088	10	41/02*	14872	3	21/02
12274	33	37*,50/02;5/03	13218	38	11,29,42,45,51/02;5/03	14089	29	41/02*	14873	2	35/02
12277	31	26*,50/02;8/03	13219	12	14/02	14090	2	33/02	14880	30	33/02;4/03
12278	72	26*,36,45/02	13221	53	2,4,15,29,44,51/02;2,5,7/03	14091	6	41/02*	14881	31	28*,33/02
12280	3	37*,43,45,46,47,50,52/02;1,6,7/03	13222	36	2*,15,52/02;2/03	14144	29	21/02	14883	42	6,17,23/02
12281	49	15/02	13223	36	7*,44/02;5/03	14151	2	37/02	14885	20	51/02
12282	33	31*,44/02;7,8/03	13224	36	2,4,5/02;6,7/03	14180	38	21/02	14886	10	8/02
12283	24	3,5/02;8/03	13226	5	2,4,5,44/02;6,7/03	14185	2	3/02	14901	14	52/02*;5/03
12284	15	7/03	13227	13	2,4/5/02;7/03	14203	12	19/02	14902	28	24,25,31/02;4,03
12285	34	27,39,43/02;1,4,5,6/03	13228	11	51,52/02	14204	21	19/02	14903	22	8,23,32/02
12286	29	2*,4,6/03	13229	27	11,17,39,42,45,52/02;1,7/03	14206	20	19/02	14904	25	5,17,31,32,46/02
12287	17	2/02	13230	46	2*,7/03	14208	28	40/02	14905	29	31,35,37/02;5/03
12288	19	2,27/02	13232	4	11,39,42/02	14221	26	40,46/02	14906	23	5/03
12289	48	10/03*	13233	16	17/02;10/03	14222	16	46/02	14907	25	2*,13,17/02
12300	42	17,18,19,28,29,37,39,42,45/02;5/03	13235	5	17/02	14223	18	3/03	14908	17	13/02
12301	21	N20*,N28,N29,N37,N39,N42,N45/02;N5/03	13236	29	45/02;1,7/03	14225	17	38/02	14910	22	25,31/02
12304	42	28*,42,52/02	13237	38	2,4,17,42,48/02;7,10/03	14226	32	40/02;6/03	14911	20	4/03
12311	41	2,4,15,18,28,31,42,50,52/02;8/03	13241	15	21*,34,42/02	14227	28	40/02;6/03	14916	10	45/02*
12312	52	10/03*	13244	39	22*,48/02;7/03	14228	11	40/02;6/03	14917	23	17/02;3/03
12313	48	5,9,14,18,21,27,31,33,43,52/02	13246	36	11,26,27/02;8/03	14240	6	16,34/02;1/03	14918	26	25/02
12314	30	46*,50/02;5/03	13253	18	3*,8/03	14242	13	34/02	14919	27	10,24/02
12316	29	2*,6/03	13260	38	28*,36,43,48,49,50/02;1,7,9/03	14243	8	19,34/02	14922	19	26*,51/02;9/03
12317	31	15*,26,37,50/02	13263	7	N2,N8,N11,N20,N21,N25,N27,N36,N43,N48,N49/02;N1,N7,N9/03	14244	5	19/02	14924	27	28*,32/02;5/03
12318	41	9/03*	13264	103	5,21,36,49/02;9/03	14246	47	35/02	14926	9	18,31,32,35,37/02
12323	23	19,40/02;4/03	13267	30	6*,12,17,19,27,52/02;1,7,9/03	14280	37	35/02	14927	24	21*,31,32,35,37/02
12324	30	2*,8/03	13270	59	2,3,5,9,17,19,33,34,40,43/02;1,2,7/03	14280	37	35/02	14928	21	4/03*
12326	48	12,17,18,27,28/02;4,8/03	13272	47	3,11,19,28,40/02;8/03	14310	2	52/02	14929	23	18,31,32/02
12327	96	1*,2,8/03	13274	24	3,5,17,19,27,45,52/02;1,2/03	14340	25	16,17,26,33,37,40,52/02	14930	24	45/02
12331	30	8/03*	13275	27	2,5,17,19,27,45,52/02;1,2,7/03	14342	20	52/02	14931	24	35/02*
12332	21	15,22,43,46/02	13276	21	19,27,52/02	14344	2	37,40/02	14932	22	32/02;9/03
12333	32	46*,47/02;5/03	13278	25	1,9/03	14345	5	37,40/02	14933	24	35*,37/02
12334	65	10/03*	13279	29	1/03	14349	7	16/02	14934	26	4,6/02;2/03
12335	39	6/02*;1,8/03	13280	40	43,51,51/02	14357	N52/02		14935	21	17/02
12337	22	8,15,20,28,31,45/02	13282	47	3,11,19,28,40/02;8/03	14358	N17,N36/02		14937	24	52/02*;2/03
12339	43	5/02	13284	24	3,5,17,19,27,45,52/02;1,2/03	14360	36	16,26,33,36/02	14942	25	35/02
12341	25	22/02*	13285	10	11/02	14386	3	36/02	14963	20	51/02
12343	18	37/02*;7/03	13286	29	39*,40,50/02;1,9/03	14415	4	33/02	14965	20	3/03
12345	10	42/02*	13288	40	2,9,11,15*,20,23,29,36,43,51,51/02	14500	27	52/02*	14966	24	5/03
12347	29	25/02	13290	34	2,10,20,36,40,43,50,	14769	N31/02*		14967	22	10/02;5/03
12348	33	25/02	13292	36	51/02;7/03	14772	17	15/02	14970	25	6,40,46,51/02
12350	57	39*,49/02	13293	33	26*,29,43,51/02	14773	16	15,19/02	14972	25	21/02
12352	29	9*,12,34/02	13298	10	43,52/02	14775	N31/02*		14974	24	32/02
12354	39	9*,12,14,22,28,33,37,45/02;2,6,7,10/03	13301	20	9,25,33,51/02	14777	N31/02*		14975	33	52/02*
12358	19	46*,49/02;1,7,10/03	13302	21	3*,8,9,20,25,41/02;2,7,9/03	14782	24	21,22/02	14984	9	18,02*
12362	16	49/02	13303	12	48/02*;7,9/03	14785	16	22/02	14995	11	52/02*
12363	39	2,3,14,18,28,44/02;6/03	13305	28	8,25,40,41,49/02;2,7,9/03	14786	13	5*,24/02	15562	N41/02	
12364	33	20*,22,28,44,47,49,51/02;4,6/03	13312	21	10/03*	14800	9	19,23/02	15744	N30/02	
12365	26	2,18,02/6/03	13313	19	21,25,41,49,52/02;6,9/03	14803	26	5/03	15880	N41/02	
12366	27	3,14,51/02	13315	11	19*,49/02	14813	21	2/03*	15926	N9/02	
12367	23	18/02	13318	18	38*,41,52/02;5,6/03	14816	23	5/03	15954	N47/02*	
12368	26	42/02*	13322	9	19/02*	14818	3	19/02	16003	16	18/02*
12369	25	31*,44/02	13324	13	5,41,52/02;2/03	14824	25	24/02	16004	11	9/02
12370	18	39/02*	13325	14	5/02/2/03	14826	27	4/03*	16041	8	13/02*
12371	22	28,47/02;6/03	13326	12	41,43/02	14829	5	21/02	16042	7	39/02*
12372	31	45*,47,48/02;2,5,6/03	13327	7	5/03	14830	29	18,23,39,51/02;2/03	16061	8	19*,27,37,49/02
12373	14	2/03	13328	1	10/03*	14832	34	52/02*	16206	7	2/02
12375	21	22/02	13331	19	21,25,41,49,52/02;6,9/03	14833	25	7,20,26/02	16220	5	6/02
12377	14	22,25,37/02	13332	18	38*,41,52/02;5,6/03	14835	31	39/02*	16300	8	52/02;3,8/03
12378	14	2/03	13333	11	19*,49/02	14836	27	42/02*	16305	9	8/03
12401	7	31*,47/02;2/03	13335	11	19*,49/02	14837	27	26/02*;3/03	16322	7	8/03
12402	8	31*,33,47/02	13336	7	5/03	14838	3	52/02*	16363	12	38/02*
13000	N8,N11,N12,N13,N21,N25,N48,N49/02		13337	13	5,41,52/02;2/03	14839	36	9/03*	16380	13	13,17/02
13003	46	9/03*	13338	14	5/02/2/03	14840	12	4,18,23,39/02;2,4/03	16381	8	8/03
13006	30	39*,44,48,49,50/02;1,5,9/03	13339	2	6/03	14841	26	4,18/02;4/03	16382	10	13,17/02
13007	46	9/03*	13340	3	39/02*;9/03	14842	11	18,23,24,39,40/02;2/03	16440	13	37/02
13008	30	39*,44,48,49,50/02;1,5,9/03	13341	4	13/02*;9/03	14843	30	24,40/02	16441	7	37/02
13009	46	9/03*	13342	12	41,43/02	14844	31	4,18/02;4/03	16442	6	3,37/02

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 10/03**

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.
16480	10	38/02	17434	11	11/02;5/03	18446	15	4,6,8/02;6,7,9/03	18666	1	9*,26/02
16500	9	9/03	17437	8	14,16/02	18447	26	4,11,27,52/02;6,7,10/03	18680	30	15/02;6/03
16520	21	2/03	17438	12	10,12,14,16,50/02;10/03	18448	32	12,15,17,33/02;10/03	18685	31	25/02;6/03
16521	5	27/02	17441	7	10/03	18449	17	15,17/02;7/03	18687	13	8/03*
16528	16	9/03	17443	12	8,10/02;10/03	18450	17	9/03*	18700	21	8,34,36,37/02;4,6,10/03
16529	14	50/02;9/03	17444	4	10,12/02	18452	16	17/02	18703	24	13*,36,37/02;4/03
16530	6	50/02	17445	2	12,16/02;10/03	18453	23	28,38/02;6,7/03	18704	12	37/02
16531	7	18/02*	17446	N10/03		18455	2	N17,N22,N39/02	18720	31	8,23,35/02;4,6,10/03
16535	12	2/03	17460	N12/02;N5/03		18456	19	12/02	18721	11	8,35/02;6,10/03
16549	14	4/03	17465	4	6/03	18457	9	12,15/02	18722	3	8/02
16556	4	8/03*	17471	N15/02;N6/03		18458	14	6,7,17,22,32,39/02;9/03	18723	3	8/02;6/03
16566	10	17/02	17472	5	5/03	18459	5	N7,N17,N22,N32, N39/02;N9/03	18725	26	4,8,23,35/02;4,6/03
16568	12	39/02*	17480	4	8,15,43/02;5,10/03				18740	39	8,16,20,23,34,37,45, 50/02;5,6/03
16575	1	39/02	17482	N7/03		18460	11	2*,6,7/03	18741	18	N25,N45,N50/02
16576	3	42/02;6/03	17485	4	16/02	18464	22	9,32/02;7/03	18744	30	37/02
16580	11	39/02	17489	19	8,43/02	18465	35	2/03*	18746	34	7*,20,23,34/02;5/03
16590	10	38/02*	17491	3	8/02	18468	17	7/03	18749	38	7*,10,16,18,20,23,25,27, 40/02;5,6/03
16594	13	2/03	17495	2	8,43/02	18471	8	13*,32/02;7/03			
16595	14	2/03	17503	4	11,43/02	18473	7	4/03*			
16596	12	39/02*	17506	N8/02		18474	7	45/02*;7,10/03	18751	42	7*,10,16,20,25,27,40/02; 5,6/03
16597	8	16,43/02	17513	N8,N11,N42,N43/02		18476	4	6,7,12,17,22,32,39/02;7, 9/03	18754	16	36/02*
16598	9	43/02	17515	7	8,11,12/02;6/03	18477	5	4,12/02;7/03	18758	6	35/02*
16599	6	16,43/02	17517	8	4/02;6/03	18480	29	2*,6,7/03	18760	6	N8,N16,N23,N34,N35, N45,N50/02;N6/03
16603	7	42/02;6/03	17518	7	6,P44,48/02	18484	10	28,40/02	18761	2	N20/02
16604	11	22/02*	17519	13	4/02	18485	15	2*,10/03	18762	15	20/02
16606	11	37/02*	17520	2	N4/02;N6/03	18500	28	19*,22,32,39/02	18763	9	20/02
16608	3	6/03	17521	N8/02		18502	84	30*,32,39,42,49/02;9/03	18765	15	18*,25,45,50/02
16645	18	13/02*	17525	N8/02		18504	64	18,52/02	18766	7	25,45,50/02
16646	12	5/02*;8/03	17528	N8,N43/02;N6/03		18520	24	10,33,39/02	18768	4	N25,N45,N50/02
16660	28	7,13,22,25,29,42/02;6/03	17541	3	8,43/02	18521	69	34*,39,49/02;4,10/03	18769	2	N20/02
16662	6	3,22,29/02	17542	6	47/02	18523	53	3,7,10,12,15,25,26,33/02; 4/03	18772	46	20,25,50/02
16663	6	3,7,13,22,25,29,42/02; 6/03	17543	17	9,11,13,41/02				18773	38	4,8,18,20,23,25,50/02; 10/03
16665	7	7,13,22,25,29,42/02;6/03	17545	13	9,43,47/02	18524	33	18*,26,28,31,33/02;4,6, 10/03	18774	10	35/02*;10/03
16680	10	6/02;6/03	17546	22	9,13,42,43,47/02	18525	33	4,7,11,14,15,28,31,33/02; 4,9/03	18775	2	N20/02
16681	10	37/02*	17549	6	13,47/02	18526	55	4,7,11,15,16,28,31,33/02; 4/03	19002	9	N23,N25,N37,N51/02
16682	15	8/03*	17550	4	15,42,43,P44,45,47,48,	18527	21	16,31/02	19004	36	23,25,35,37,51/02
16683	9	3,6/03	18000	8	8,45/02;6,10/03	18528	10	52/02*	19007	16	51/02
16700	27	21*,49,52/02;9/03	18002	6	N8,N45/02;N2,N6, N10/03	18529	10	52/02*	19010	17	45*,51/02
16701	18	21*,52/02;9/03	18003	18	10,26,33,38,39,40,P44, 45,47,48,52/02	18531	20	7*,11,16,26,31,34/02;9, 10/03	19013	16	25,51/02
16702	10	8,38,52/02;1,9/03	18005	4	N6,N8,N20,N34/02;N6, N10/03	18532	20	7/02*;10/03	19320	13	23,27,35,37,51/02;5/03
16705	19	5*,49/02	18006	3	N6/03	18541	8	21/02*	19324	22	27,35/02;5/03
16707	10	34,37/02	18007	31	6,10,14,20,26,33,34,37, 38,39,40,47,52/02	18548	5	8/03*	19327	10	23/02
16708	25	37,49/02	18008	7	N6,N10,N14,N20,N26, N33,N34,N37,N38,N39, N40,N47,N52/02	18558	37	19*,39/02	19330	9	6/02*
16709	22	15*,49/02	18009	2	N34/02;N6/03	18561	11	10,33,39/02;10/03	19339	1	N25,N35,N49,N51/02; N5/03
16711	2	15/02*	18010	20	6,33,34,37,38,39,40/02; 6/03	18562	21	10,26,33,38,39/02	19340	26	25,35,49,51/02;5/03
16713	12	13*,49/02	18020	36	6,8,20,34,37,45/02;6, 10/03	18581	17	49/02*;4/03	19341	9	7/02*
16741	9	46/02	18022	33	13*,23,34,37,45/02;6, 10/03	18583	38	4,7,31,33,42,49/02	19347	17	25/02
16760	10	51/02	18040	21	4/02;6/03	18584	47	7,30,39,49/02;4,6/03	19350	11	27/02
16762	9	26/02*	18045	12	43/02	18587	68	7,11,14,25,30,33,39, 42/02;4,6,9,10/03	19351	9	25/02
17003	4	8,9,47,52/02	18046	5	5/02	18588	36	32,33,49/02	19357	22	42*,49,51/02;5/03
17005	10	8,9,11,41,45,47,52/02	18047	5	4,8/02	18600	14	15*,33,37,38,40/02	19358	20	28/02*
17008	12	8,13,43/02	18048	12	5/02	18601	13	6/02/10/03	19360	1	N37,N51/02
17300	30	52/02*	18049	22	4/02	18602	11	26,32,33/02;10/03	19362	12	49/02
17302	18	21*,51/02	18050	21	4/02;6/03	18603	16	9*/10/03	19366	36	13*,31,49/02;5/03
17303	9	15,37/02	18051	12	43/02	18620	23	35/02*	19367	37	22,31,49/02;10/03
17315	23	2/03*	18052	33	13*,23,34,37,45/02;6, 10/03	18622	52	26,28,49/02	19369	5	22,31,49/02;10/03
17316	20	28/02*;3/03	18400	43	2*,6/03	18623	11	34/02	19379	1	N25,N51/02;N5/03
17320	15	15/02	18401	12	5/02	18626	15	37/02/10/03	19380	14	25,51/02;5/03
17327	20	5/03	18402	22	4/02	18640	24	13,15,24/02	19381	8	25,49,51/02
17330	7	15/02	18403	21	4/02;6/03	18643	16	24,49/02	19383	17	49/02/5/03
17360	32	44/02;1,6,8/03	18405	12	43/02	18645	15	19,15/02	19385	7	20/02*
17372	10	2/02	18406	5	5/02	18647	15	2/03*	19387	9	N25/02
17379	1	15*,20/02	18407	5	4,8/02	18649	62	3,8,11,12,15,19,20,23,33, 36,38,41/02;4,6/03	19401	8	10/03*
17381	10	13/02*	18409	8	11/02	18650	51	28*,33,38,41/02;4/03	19402	6	9/03*
17382	14	44/02;1,6,8/03	18414	9	8/02	18651	41	12/02;4/03	19421	7	8/03*
17383	1	31*,49/02;8/03	18415	8	5,13,42/02;7/03	18652	31	2*,8,11,18,19,20,23,26, 27,30,33,38,41,49/02;4,6, 7/03	19461	7	10/03*
17384	7	7/02	18416	6	10,P44,48/02	18653	9	3,8,11,15,19,36,38,41/02; 4,6/03	201005	5	45/02/2/03
17385	13	44,48/02	18419	11	47/02	18654	42	28*,38,49/02	201008	62	39,42,43,50/02;1,2/03
17400	16	14,15,36/02;10/03	18420	1	13/02	18655	58	10*,19,49/02	20111	5	2/03
17401	10	1/03	18421	45	2/03*	18656	52	19,23,26,27,30/02;4,7/03	201014	72	42,50,52/02;2,3,4/03
17402	10	46/02*	18423	33	1*,5,7,9/03	18657	18	19,26,27,30/02;4/03	201017	50	23,41,50/02;4,5,6,9/03
17409	10	39/02*	18424	25	7/03	18658	29	23,26,27,30/02;4/03	201020	42	23,41,20,32/02;1/03
17412	2	12/02	18427	21	35/02*;7/03	18659	14	26,30,49/02;7/03	201021	3	45/02
17413	2	13,14,43,50/02;10/03	18428	9	19/02*	18660	1	30,49/02;7/03	201023	41	5,34/02;7,8,9/03
17414	3	41/02	18429	9	3/03*	18661	26	23,27,30/02;4,7/03	201026	47	5,13/02
17416	3	13/02;10/03	18430	7	28*,02*;6,7/03	18662	20	30/02;7/03	201033	46	14,20,32/02;1/03
17420	26	14,36,37,42,43,50/02;1, 10/03	18431	6	2/03*	18663	4	23,27,02/7/03	201036	7	1/03
17421	1	14/02	18432	4	5/02*				21120	27	47,50,51,52/02
17422	8	52/02*	18434	4	15,26,P44,48/02;6,9/03				21121	18	47/02
17425	6	18/02*	18440	26	3/03*				21122	5	47/02
17426	13	37/02;1/03	18441	42	30*,32,39/02;6,7,9/03				21125	13	51,52/02
17427	7	11,12,14,16/02	18443	15	7,8,17,39/02;6/03				21126	1	50/02
17428	7	5/03	18444	15	7,8,17,39/02				21126	1	45,50/02
17429	2	N38/02*	18445	29	4,6,7,8,12,15,17,22,28,				21140	1	45,50/02
17430	10	5/03		32,33,39/02;6,7,9,10/03							

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 10/03

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.
21141	23	48/02	22345	11	42/02	24159	1	27/02	25526	2	11,19,33/02
21160	1	45/02	22347	5	N19/02	24160	21	6,27,28/02	25527	31	11,33/02
21161	19	43,48/02	22351	1	N43/02	24161	11	11,27,42/02;7/03	25528	5	21,42/02
21180	1	2,7/03	22361	2	N7/02;N10/03	24162	9	4,11,22,27,42/02;6,7/03	25550	2	17,19,24/02
21182	34	39/02	22371	5	7/02	24164	6	10,27/02	25563	50	17,33/02
21200	1	2/03	22373	1	N50/02;N10/03	24170	14	5,6/03	25565	7	33/02
21301	13	3/03	22375		N19/02;N10/03	24171	19	5,6/03	25566	27	17/02
21342	28	41,44/02	22377	1	N10/03	24172	4	5,6/03	25567	16	19/02
21384	3	23/02;6/03	22379	1	N50/02;N10/03	24180	15	8/03	25570	3	19,31/02
21401	20	7/03	22381		N19,N43/02	24200	14	6/02	25575	4	4,31/02
21441	27	34,44/02	22395	2	4,19,42/02	24211	7	24/02	25600	47	24/02
21478	3	9/03	22403	1	N45/02	24220	14	27,28/02	25601	34	10,17,19,20/02
21489	1	13/02	22404	15	46/02	24222	3	27/02	25607	4	24,39/02
21500	1	5/02	22406	1	N1/03	24223	33	18/02	25608	21	10,17/02
21510	1	13/02;9/03	22407	1	N4/03	24230	20	10,18,30/02	25609	5	30/02
21520	1	5/02	22408	1	N10/03	24233	15	36,43/02	25613	2	5,14,30/02
21521	14	5/02	22409	4	N45/02;N10/03	24234	3	30/02	25640	40	28/02*
21529	1	14/02	22410	32	4,7,11,43,44,46/02	24240	5	30,39/02;7/03	25641	26	5*,30/02
21540	36	5/02	22412	2	7/02	24250	5	30,39/02;7/03	25644	12	42/02
21563	3	45/02	22413		N45/02	24251	23	24,34,43/02;6/03	25645	17	15/02*
21601	4	14/02	22417	1	N10/03	24252	5	30,39,43/02;6/03	25646	7	N42/02
21602	1	28/02	22418	2	24,36,44,46/02	24260	5	34/02	25649	18	18,30,35/02;4/03
21603	9	5/03	22420	2	4/03	24270	3	24,27/02	25650	33	22*,30/02
21605	7	19/02	22421	4	N4,N7,N11,N43,N44, N46/02	24290	3	36,43/02	25653	13	8/03*
21661	12	6/03	22425	2	7,11,44,46/02	24291	4	36/02	25663	27	19/02*
22004	38	18,20,23,30,32,34,36,39, 41,43,52/02	22427	1	N4,N43,N44,N46, N50/02	24292	4	36/02	25668	18	15*,16,48/02
22008	35	4,13,18,30,34,36,39,41, 43,44,48,52/02;6/03	22429		N24,N46/02;N10/03	24293	6	6,32,36/02	25670	41	26,38,48,49/02;4,5/03
22012	31	4,14,16,30,34/02;6/03	22433	3	39,47/02	24294	22	6,36/02	25673	15	28,42/02
22036	28	18,47/02	22436	2	39/02;10/03	24311	4	27/02	25677	19	4,21,52/02
22050	4	19/02	22471	31	18,44/02	24312	4	27/02	25681	15	4/02;4/03
22051	18	28/02	22481	35	43,44/02	24320	4	27,28,34,43/02;6/03	25683	17	30,49,52/02;5/03
22052	6	28,46/02	22482	16	44,50/02	24321	3	6/03	25687	11	12,15,35/02
22080	3	20,32/02	23000	5	18/02	24322	6	28,34/02;6/03	25700	3	8,12/02
22082	4	4,17,19/02	23010	4	27,38/02	24350	2	31,51/02	25710	2	8,12/02
22083	5	19/02	23023	4	27/02	24355	2	51/02	25720	3	8,12,33/02
22084	4	42/02	23030	6	27,38/02	24370	1	34/02	25723	40	8/02
22090	2	30,32,43/02;4/03	23115	3	27/02	24375	2	34/02	25724	3	8/02
22100	3	20,32/02	23121	7	30/02	24380	2	35/02	25800	3	24,36/02
22101	19	16,20,32,43/02	23122	8	23,30,33/02	24388	2	35/02	25803	16	12/02
22111	4	32/02	23123	3	30/02	24404	10	14,26,35,36,44,48/02	25841	9	8,10,24,36/02
22112	3	23,25,30,32,43/02	23124	3	N30/02	24406	30	20,26/02;2/03	25842	10	8/02
22113	8	23,25,30/02	23125	4	30/02	24408	21	4,14,36,44,48/02	25845	9	8/02
22114	5	16,32,42,43/02	23126	6	N24/02*	24410	2	21,44/02	25848	25	8/02;5/03
22120	3	8,18,23,30,34,36,39,41, 43,52/02	23127	4	N24/02*	24423	2	6,8/02	25849	13	8,42/02
22121	9	6,8,17,23,30,34,36,44, 52/02	23128	4	N24/02*	24430	5	39/02;8/03	26001	4	9/03
22124	2	17,34,52/02;6/03	23129	2	N24/02*	24431	14	39/02	26050	1	13,34/02
22125	1	18,36/02	23131	7	26,31/02	24434	4	39/02	26060	1	49/02
22126	1	36/02	23141	7	34/02	24444	2	6/02	26081	8	46/02
22130	2	44/02	23142	10	20,37,52/02	24450	3	6/02	26083	14	29/02
22138	2	8,18,41,44,48/02;6/03	23152	3	37/02	24452	7	16,26/02	26127	21	5,49/02;5/03
22140	2	4,30,34,36,44/02	23153	8	20,31/02	24454	5	5/03	26128	50	5,49/02;5/03
22142	2	39,41,43/02	24000	39	27,29/02	24460	4	15,17,39,47/02	26129	11	4,26/02
22143	3	6,8,17,41,52/02	24004	36	5,7,29,30/02	24463	6	24,39/02	26140	2	8/02
22145	2	N41/02	24008	42	7/02	24465	6	15,23,33,47/02	26142	10	8/02
22160	2	4,30,34,39,41,48,52/02	24012	40	6/02	24469	1	20,46,47/02	26143	10	8/02
22170	3	13*,30,39/02;6/03	24016	53	30,39/02	24470	4	28,39,47/02	26145	10	8/02
22172	8	48/02*,4,6/03	24020	47	27/02	24471	8	28,47/02	26147	31	8,10,13/02
22173	36	48/02*,6/03	24028	6	23,48/02	24480	1	14,17,25,27,41,44,45, 49/02	26148	4	8,13/02
22180	2	30,34/02	24050	11	27,31,34,38,49/02	24482	2	24,49/02	26210	2	24,36/02
22181	16	17,27,39,41/02	24052	15	31,37,38/02	24483	2	20,24,49/02	26229	11	17/02
22182	6	7,8,30,34/02	24053	16	24/02	24484	3	24,49/02	26230	12	17/02
22183	3	20/02	24055	6	37,49/02	24490	3	24,31/02	26240	7	23/02;9/03
22190	2	30/02	24058	2	31,32,37,38/02	24492	20	31,46/02	26244	3	9/03
22205	2	14,16/02	24060	2	34/02	24501	3	14,17,27/02	26245	16	51/02
22221	20	20/02	24080	5	29/02	24502	6	46/02	26259	2	51/02
22222	1	4/03	24091	6	26/02;6/03	24504	7	17,41,45,46/02	26260	5	12,24/02
22250	2	42/02	24092	14	26/02;6/03	24508	2	18,19,41,45,46/02	26261	27	8/03
22259	4	20/02	24100	5	27,29/02	24509	2	17,45,50/02	26262	3	8/03
22264	2	20,42/02	24101	3	37,41/02	24510	2	17,18,19,41,45,46,50/02	26268	7	8,23/02
22275	3	20,42/02	24102	3	37,41/02	24512	3	25,29,44,46/02	26282	6	8/02
22282	17	19/02	24110	3	27,29/02	24513	18	46/02	26284	3	8/02
22283	3	N19/02	24130	14	24,29/02;5/03	24517	2	18,19,46,49/02	26290	1	8/02
22284	7	N10/03	24132	13	10/02	25001	7	9,12,17,19/02	26303	4	13/02**
22290	4	20/02	24140	18	4,32/02	25017	5	9,12/02	26305	4	13/02**
22293	15	20/02	24141	4	5/03	25018	9	9,12/02	26306	14	8/02
22311	19	8/03	24142	43	5,6/03	25400	1	23,26,35,48/02	26308	4	8,15/02
22313	2	44/02;8/03	24149	1	32/02	25480	1	20,42,46/02	26309	26	8,17/02
22314	1	44/02	24150	27	6,27,29,30,32/02	25481	25	4,26/02	26320	5	5,8,12,15,24,27,28,29, 35/02;7/03
22331	2	N10/03	24151	4	29,32/02	25484	23	11/02*	26323	4	1/03
22341	9	19,43/02	24152	2	30/02	25485	45	23,26/02	26327	2	N41/02*
22342	9	19/02	24153	6	10,30/02	25487	2	23,26/02	26328	2	15/02
22343	1	N19,N43/02;N10/03	24154	12	10/02	25524	43	11,33/02;1,5/03	27005	4	5,8,9,12/02;6,8,9/03
22344	5	N42/02;N10/03	24156	2	22/02	25525	17	1,5/03	27040	5	9/03
						25525	17	1,5/03	27041	4	50/02
						25525	17	1,5/03	27080	4	5,20/02
						25525	17	1,5/03	27081	6	49/02

## SECTION I

NM 10/03

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 2/02 THROUGH NM 10/03**

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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.
27082	6	9,18,49,51/02	35276	3	46/02	37064	8	17/02*	37241	17	13,16,17,26/02
27100	2	31/02;8/03	35277	3	38,46/02	37065	7	19/02*	37242	10	13,15,20/02
27120	4	41,43,44/02	35279	3	38/02	37075	3	7,21,31/02;5/03	37244	11	8,11,16,17,26/02
27142	5	9/03	35295	3	27/02	37079	5	22/02	37246	14	13,15/02
27160	2	8/03	35298	7	27/02	37080	3	14,17,24,27,30,33,34,38, 7,9/03	37248	18	12,39/02
27161	4	8/03	35299	9	8,12/02				37258	4	15/02;1/03
27163	21	9,49/02;8/03	35300	17	12/02	37081	23	18,20,21,28,38,43,50/02	37261	10	15,28/02;1,7/03
27183	8	5/02;1,9/03	35301	6	12/02	37082	9	13,28,44,50/02	37262	20	1/03
27186	8	5/02;1,9/03	35303	7	40/02	37083	8	20,22/02	37264	3	30/02;1/03
28004	1	5,20,23,45/02;8,9/03	35308	5	8,12/02;10/03	37084	9	20,22,38,40,43/02	37265	3	18,24/02;1,7/03
28006	1	8/03	35310	2	12,22/02	37085	8	38,40/02	37281	15	30/02;1/03
28050	3	13,28,34/02	35330	2	4,12,22,38,41/02	37086	8	38,50/02;4/03	37320	16	12,18,26,27,28,38,44/02; 9,10/03
28110	2	15/02*	35350	2	7,38,41/02	37087	7	38,40/02	37325	8	14,18,34,39,47/02
28150	3	8/03	35390	2	12/02	37088	9	5/03	37326	2	11,12,34,47,51/02
28162	29	28/02	35400	11	8,12,30/02	37089	12	21,28/02;4/03	37328	2	12,18,42,44/02
28164	17	28/02	35402	3	38/02	37090	8	7,14,27,32,45,51/02;1,7, 9/03	37330	2	22,24,26,30,32,34,38,40, 46/02;9/03
28170	1	4/02	35405	2	8/02	37095	3	13,14,15,17,18,24,28, 32/02;1,7,9/03	37342	3	17,32/02;2/03
28190	2	41,43,45,46/02	35420	13	12,24,30/02	37101	9	6,15,18,27/02	37343	10	11,45/02
28196	4	41,43,45/02	35421	14	31/02	37103	9	12,13,15,27,29/02	37344	11	17,32,34/02
28197	4	45/02	35423	6	31/02	37104	3	12,13,41/02	37360	15	15,17,27,28,30,32,34, 43/02;2,9,10/03
28202	22	41,44/02	35424	3	30/02	37106	4	12,13/02	37362	6	12,17,31,43,48,51/02;1,2, 4/03
28210	2	33,35,39,41/02	36005	2	6,7,12,13,14,15,17,24,27,	37110	11	6,12,13,15,17,18,19,24, 27,28,29,47/02	37363	8	11,48/02;4/03
28220	2	35,39/02	36010	27	8,12,16,19,20,22,24, 38/02;5/03	37112	1	47/02	37367	1	38,49/02
28221	18	33,37,39/02;5/03	36015	2	13,17,24,27,36,46/02	37115	2	6,12,13,15,17,18,19,27, 28,29,33,47/02;7/03	37380	2	12,15,17,34,40,42,43,44, 48,51/02;9,10/03
28223	4	35,39/02	36040	16	12,19,30,02;1/03	37119	2	43/02	37400	10	9,15,28,34,38,40,41,44, 46/02;6,10/03
28263	3	35,37/02	36046	5	38/02	37120	2	12,13,15,19,24,27,29,39,	37401	9	9,28,32,44/02;4,6/03
28264	3	35,37/02	36060	17	8,12,16,19,31,38/02;5, 8/03	37121	11	12,13,15,24,27,29,31/02	37402	7	28,32,41,44,45,50/02; 4/03
28281	32	36/02	36061	5	46/02	37122	12	48/02	37403	23	12,24/02;10/03
28282	2	35/02	36062	11	40*/46/02	37123	9	19,49/02;6/03	37420	1	9,12,34,43/02;1,7/03
28300	1	23,39,50/02	36081	16	12/02	37125	15	19,24,42,49/02;6,9/03	37441	4	9,12,15/02
28302	16	31,33,39,40/02	36098	6	5/03	37126	8	15,41/02	37443	2	9,12/02
28310	2	23,31,33,35,39/02	36106	7	18,47/02;5/03	37127	11	49/02;4,6/03	37445	1	12,48/02;1/03
28320	6	33/02	36117	6	18/02	37129	6	39,42,49/02;4,6/03	37446	2	1/03
28321	36	29/02	36118	3	5/03	37133	4	44/02	37461	9	51/02;6/03
28323	2	27,29/02	36120	9	16,19,20,22,31,46/02;5, 8/03	37134	5	38/02	37463	6	1/03
28325	2	27,29/02;5/03	36122	12	16,19,21/02	37136	6	38,46,50,51/02	37481	7	47,48/02;6,7/03
28330	2	27/02	36123	25	16,19,21,46/02	37137	6	46,48/02	37501	3	46,47/02;7,8/03
29015	5	2,22/02	36125	7	4/03	37139	8	18,23/02;1/03	37505	2	46/02;7/03
29121	5	32/02	36137	4	38/02	37140	33	15,17,19,21,22,24,27,29, 31,35,49,51/02;4,6/03	37506	4	45,46,47,51/02;8/03
29122	5	32/02	36141	7	4/03	37141	29	20,21,23,36,40,48,51/02; 1,4/03	38030	1	9,10,20,21/02
29142	3	7/03	36142	6	24/02	37145	23	46,50/02;4/03	38040	5	12/02
35000	26	11,13,23,24,47,48/02	36143	4	18,34/02;5/03	37147	15	13,21,35,36,40/02;1, 10/03	38041	1	12/02
35008	21	45,48,50/02;5/03	36139	4	4/03	37148	13	17,21,35,38/02;4,10/03	38044	N12/02	
35009	19	15,40,41,45/02;5,10/03	36140	12	13,21,22,24,36,41/02;4, 10/03	37149	10	44/02	38100	4	12/02
35011	2	11,48/02;1/03	36162	10	13,20,35,45,47,50/02;	37150	8	13,16,21,22,31/02	38103	N12/02	
35016	17	12,29/02	36163	13	20,31,34,35,38,44,45,47, 50/02;4/03	37161	14	13,18,21,22,31,34,43/02; 1/03	38105	N12/02	
35031	3	12,22/02	36164	7	34,38,44,46/02;8/03	37162	12	11,12,15,16,17,26/02	38460	7	18/02
35032	16	12/02	36165	6	17,18,20,22,24,28,36, 44/02;10/03	37163	19	11,13/02	38463	2	18/02
35036	21	13,17,19,24,30,36/02; 10/03	36167	2	24,40/02	37164	4	15/02	38480	6	18/02
35040	18	21,45/02;4,8,10/03	36168	23	13,17,20,21,22,36,40, 50/02;4/03	37166	2	8,11,12,15,16,17,26/02	38580	8	12/02
35041	8	21,35/02;4/03	36173	1	40/02	37170	11	38/02	38603	2	4,17,21/02
35042	9	21,27,44/02;4/03	36174	23	10,13,21,22,31,34,43/02;	37171	2	5/03	38610	1	20/02
35044	9	38/02	36175	4	48/02	37172	20	21,38/02	38670	2	9/02
35047	5	13,35/02	36176	2	34,8,9,15,17,18,20,21,34, 36/02;10/03	37176	2	8,11,12,15,16,17,26/02	38683	3	9/02
35050	14	18,22,40,41/02;10/03	36178	6	13,20,36,40/02	37177	11	38/02	38690	2	10/02
35080	16	18,22,40/02	36180	23	13,17,20,21,22,36,40, 50/02;4/03	37178	14	35,47,48/02	38463	2	18/02
35084	15	50/02	36181	18	17,20,21,22,36,40,50/02;	37179	8	48,51/02;10/03	38480	6	18/02
35086	5	31/02	36182	6	13,20,36,40/02	37180	20	21,38/02	38580	8	12/02
35088	2	50/02	37000	22	11,23,28,47,48/02	37182	14	35,47,48/02	38603	2	4,17,21/02
35099	3	41/02	37005	16	17,18,23,41,45,47/02;	37183	9	48,51/02;10/03	38670	2	9/02
35100	14	40,45,47/02;5/03	37011	23	15,16,17,18,23,26,41,45, 5/03	37184	8	48/02;5/03	38683	3	2/02;6,8/03
35101	6	41/02	37012	18	17,20,21,22,36,40,50/02;	37185	11	38/02	38690	2	10/02
35103	5	41/02	37013	2	47/02	37186	11	38/02	41060	3	34/02
35120	13	40,45,47/02;5/03	37014	2	47/02	37187	2	5/03	42160	3	7/03
35130	3	48,51/02;5/03	37015	15	17,20,21,22,36,40,50/02;	37188	20	21,38/02	42620	5	12/02
35135	1	5/03	37016	4	4/03	37189	9	48,51/02;10/03	42740	5	2,12,34,41/02;6/03
35136	2	48,51/02	37017	17	13,17,20,43/02	37190	11	38/02	42742	3	2/02;6,8/03
35141	11	34/02	37025	26	38,51/02;1/03	37191	13	15,27,28/02	42760	5	2,12/02;8/03
35143	7	34/02	37032	2	9,12/02;1,6/03	37192	14	26,42/02	42762	3	N12/02
35150	3	48/02	37033	2	47/02	37193	11	15/02	43000	4	9/03
35155	3	11/02	37034	2	8/03	37194	17	5,9,11,15,16,17,18,20,21, 36/02;6,10/03	43015	12	9/03
35159	3	25/02	37041	15	17,20,21,22,36,40,50/02;	37195	13	15,27,28/02	43030	24	11,25,28/02;2,9,10/03
35163	7	25,44/02	37042	5	17,41,45/02	37196	14	26,42/02	43040	6	2/02
35166	4	35/02	37043	17	13,17,20,43/02	37197	11	15/02	43059	3	44/02
35167	3	35/02	37044	16	14,45/02	37198	14	26,42/02	43060	4	44/02
35169	2	35/02	37045	11	45/02	37199	15	18/02	43079	2	41/02
35200	7	48,51/02;5/03	37046	18	21,31,43/02	37200	15	18/02	43082	5	41/02
35210	3	29/02	37047	6	14/02	37201	2	13,18/02	43101	3	46/02
35230	3	29/02	37050	9	18,26,42,46/02;10/03	37202	11	15/02	43102	4	46/02
35236	2	7,38,50/0									

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 10/03

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.
43150	2	N17/02	44105	2	49/02;5,6,8/03	51120	6	6/03	53084	6	17,18,24,51/02
43160	6	17/02	44120	7	6,11,15,16,17,18,21,26, 27,28,29,31/02;2,9,10/03	51142	2	6/03	53085	6	17,24,51/02
43161	2	17,41,44/02	44140	8	4,6,16,26,27,28,29,31, 50/02;1,6/03	51143	4	14/02*;6/03	53086	8	20,46,48/02
43163	3	44/02				51144	3	14*;52/02;1/03	53087	9	48/02
43164	3	17,48/02;6/03				51145	2	42/02	53088	7	33/02
43180	5	9/03	44160	7	46/02;1,4,5,6/03	51146	3	42,52/02;5/03	53090	1	41/02
43182	4	47,52/02	44161	2	29,50/02;1,2,6,10/03	51150	1	50,51/02;1/03	53093	2	20/02
43223	4	41/02	44162	1	50/02;1/03	51154	3	50,51/02	53100	16	13,18,19,21,24,28,33,39, 42,51/02;6,10/03
43225	4	17,52/02	44163	1	48/02	51155	1	50,51/02;1/03	53101	7	33/02;8/03
43240	4	50,51/02	44164	1	46,48/02;1/03	51158	2	6/03	53104	2	20,35,42/02
43242	4	52/02	44165	1	46/02;1,5,6/03	51159	3	47/02	53105	20	37/02;8/03
43243	4	50,51/02	44178	2	21/02;2,5,7,10/03	51160	20	48,50,51/02;1,4,5,6,7/03	53106	6	19*,20,24/02
43248	3	9/03	44179	2	10/03	51163	4	4/03	53107	16	35/02;6/03
43263	7	44/02	44180	6	18,20,24,29,34,45,46/02; 1,2,5,7,8,9/03	51164	18	38,45,46,50/02;2,4,8/03	53110	1	29,40/02;10/03
43265	2	44,52/02				51165	8	25,45,50/02;2,4,8,10/03	53111	3	31,44/02*
43270	2	44/02	44181	5	5,10/03	51166	3	N25,N45/02	53120	14	13,18,20,21,27,28,39, 42/02;5,6,7/03
43280	5	44/02	44182	4	21,48,49/02;1,2/03	51167	6	45,50/02;2,4,8,10/03	53122	3	20,29,40/02;7,8/03
43281	6	20/02*	44183	6	48/02;1,6,8,9,10/03	51168	2	45,46,50/02;2,4,8/03	53123	3	7/03
43284	4	16,51/02	44184	9	21,45,49/02;2,10/03	51220	8	33/02	53125	2	46,51/02
43285	5	15,16,44/02	44185	7	45,49/02;1,2,10/03	51222	6	51/02	53130	1	27,42,47/02;10/03
43300	5	15,44,47,50/02	44186	2	21,45,46,48/02;1,2,5,8,9, 10/03	51225	3	27/02	53133	3	6*,41,46/02
43301	4	15,45,50/02				51240	2	33/02	53135	2	20,51/02;7/03
43302	4	44,47,50/02	44187	2	21/02;5,6,9/03	51260	4	37,50/02	53141	5	20,24,34,51,52/02
43303	4	41,47,50,51/02	44192	1	21,29,46,48/02;1/03	51261	23	5,6/03	53147	3	36,39,42,51/02;6,7,10/03
43304	2	44,47,50/02	44193	1	26/02;1,7/03	51263	23	49/02	53149	2	31/02
43321	6	30,41,47/02	44200	9	20,24,29,34,52/02;4,9/03	51300	4	27/02	53160	14	20,51/02;3,6/03
43323	4	30/02	44203	1	20,24,33,48/02;2,5/03	51320	3	12/02	53161	8	51/02;3,8/03
43324	4	30/02	44204	1	5,48,52/02;2,4,5,7/03	51341	23	48/02;6/03	53162	7	50/02*
43341	7	41/02	44205	2	48,52/02;2,5,7/03	51342	3	1/03	53164	9	20,37,51/02
43345	4	1/03	44206	1	46/02;4,5/03	51344	2	5,7/03	53165	13	39/02;8/03
43360	21	17,28/02;6,10/03	44207	1	4,5/03	51380	5	47/02	53180	10	2,33,34,43,51/02;1,3,6, 7/03
43363	5	45/02	44220	5	46/02;4,5/03	51559	3	41/02			
43364	5	45,46/02	44223	1	6/03	52031	1	6/03			
43371	13	22/02	44224	1	49/02;5/03	52039	4	5*;7,8,9/03			
43372	4	22/02	44240	8	49,50/02;4,7/03	52040	17	43,50/02	53181	4	2,34/02;1/03
43373	8	45/02	44243	2	25/02;5/03	52043	21	46/02;6,7/03	53182	4	36/02
43374	1	22/02	44260	7	29/02;2,5,6/03	52045	6	36/02	53183	13	19*,35/02
43375	7	46/02;6,7,10/03	44280	9	29,34,49,50/02;2,6/03	52046	21	50/02;6,7/03	53184	5	32,35/02;1,6/03
43384	1	48/02;4,5,6,7,10/03	44281	2	49/02	52047	11	7,8/03	53200	6	2,3,33,36,43/02;5,6,7/03
43385	1	5,27,45,48/02;5/03	44282	1	49,50/02	52048	3	8/03	53201	6	51/02
44001	2	48,49/02;1,6,7,8,9/03	44283	2	50/02;8/03	52051	1	43/02	53203	11	3/02;5/03
44015	8	28,31,48,49/02;6,7,8,9, 10/03	44284	2	41/02;6/03	52052	1	43/02	53204	10	3,44/02;5/03
44030	7	20,46/02;4,8,9/03	44285	1	2/03	52060	16	43,50,51/02;7/03	53205	3	5/03
44036	5	28/02	44286	1	2/03	52061	2	45,48,51/02;7/03	53206	6	17/02;5/03
44038	5	18/02	44310	5	20,29,41,42/02;7/03	52062	7	7/03	53220	6	2,3,64,51/02;5/03
44040	23	28,44/02;6,10/03	44313	1	27,41,47/02	52066	3	50/02	53223	5	29/02
44041	7	48/02;1,9,10/03	44319	2	21,41,42/02;4,6,9,10/03	52080	14	50,51/02;4,7,10/03	53226	3	3/03*
44042	7	21,44,45,49/02;4,7,9, 10/03	44320	4	13,23,29/02;6,8,9/03	52082	3	45,46,48/02	53242	12	2,52/02;1/03
44043	8	44/02;1,6,9,10/03	44321	6	13,19,22,23,29,32,40/02; 6,8/03	52083	2	45,46,51/02;1/03	53244	2	2/02;1/03
44044	6	6,10/03	44340	11	13,16,20,21,31,27/02;4,6,8, 9/03	52085	3	50,51/02/4;4,9/03	53262	7	22,42/02
44046	10	18/02	44341	7	13,25,37,41,42/02;7,9/03	52087	1	51/02	53263	1	37/02
44047	22	8,26,44/02;10/03	44342	8	6,13,37,41/02;6/03	52088	2	45/02;4,10/03	53265	6	19,35,41,46,52/02
44048	11	8/02;5/03	44352	2	4,6,7,8/03	52092	1	46,51/02	53266	4	1,8/03
44049	9	18,44,46,50/02;8/03	44360	9	8,16,20,21,34,37,41, 42/02;4,9,10/03	52120	12	32,51/02;6/03	53268	4	22,42/02;7/03
44050	21	8,18/02	44361	6	21,27/02;4,10/03	52121	8	45,46/02;1,6,8/03	53279	3	9/02;7/03
44051	1	44,48,50/02;1/03	44365	1	7,8/03	52122	14	45/02	53281	4	31,40,52/02
44057	5	8,13,21,25/02	44366	1	34,41/02	52124	1	51/02	53282	8	40/02
44061	21	8,18,21/02	44367	2	15,16,18,20,22,25,26,29, 35,37,40/02;6/03	52125	1	45,46,50/02;8/03	53283	4	33,52/02
44062	8	8/02				52140	6	48,50/02;3/03	53284	4	33,40/02;7/03
44063	8	13,21/02	44400	4	48/02;4,6,7,8,9/03	52141	5	48/02	53285	4	35/02;7/03
44064	19	8/02	44401	7	13/02*/10/03	52144	5	50/02;3,7,8,10/03	53287	6	20,27,35,42/02;1,5,7,8, 10/03
44065	7	5,11,15,16,20,25,30, 42/02	44410	4	4,6/03	52161	14	6/03	53290	1	35/02
44066	10	16,20,27,39/02	44420	6	5,36,49/02;8,9,10/03	52170	3	3/02	53301	4	27/02
44067	22	5,8,11,16,21,25,29/02	44430	2	4,6,16,17,28/02;6,10/03	52172	2	3,11,40/02;1/03	53302	4	51/02
44068	11	11,13,17,18,20,24,26, 44/02;10/03	44444	6	31/02;9/03	52180	14	2,21,24,42,43,51/02;1,8, 10/03	53303	6	49,51/02
44069	16	5,9,11,13,16,18,20,21,24, 29,31/02	44462	4	4,6,8,19/02	52186	3	3/02	53306	2	21,39/02
44070	7	9/02	44463	9	4/02	52200	8	7/03	53311	3	39/02
44071	4	9/02	44465	2	4,6,8,12,16,17,19,28/02;	52262	6	7/02	54040	3	37/02;6,10/03
44072	4	5,21/02			6/03	53011	2	51/02	54041	7	18,35/02;4,8/03
44073	2	5,21/02	44481	2	6,26,28,31/02	53058	2	4/03	54043	2	15,17,18,29/02
44075	4	5,9,11,16,17,21,29,31, 42/02	51002	7	13/02*	53060	14	12,13,17,18,19,21,22,27, 28,30,39,48/02;5/03	54060	5	18,37/02
44076	3	18,25/02	51007	22	38/02;7/03	53066	10	10/03	54061	11	52/02
44081	9	8,15,16,17,20,24,25, 39/02;9/03	51017	31	37/02	53067	3	1/03	54063	3	1/03
44082	11	6,11,15,16,17,18,21,24, 25/02;9/03	51022	11	37/02	53068	8	14,19,28,44,47/02;4/03	54080	5	8/02**
44083	8	10,15,21/02;9/03	51061	14	1,7/03	53069	6	33/02;10/03	54081	3	13/02;10/03
44084	1	6/02;6/03	51064	2	52/02;1/03	53065	2	33/02	54083	4	19/02
44085	2	21,25/02	51081	10	5,6/03	53066	2	12,33/02	54085	2	18,19,40/02
44086	8	10,15,21/02;9/03	51082	7	5,7/03	53081	8	15,21,30,32,45/02;4,5,9,	54090	3	46/02*
44087	1	6/02;6/03	51100	7	1,6,7,8,9/03	53082	13	40/02	54095	3	46/02*;8/03
44088	2	21,25/02	51103	10	29*,33,45/02	53083	8	18,19/02;9,10/03	54100	4	8/02**
44100	7	11,13,15,1									

## SECTION I

NM 10/03

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 2/02 THROUGH NM 10/03**

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.
54140	7	15,16,17,18,41/02	54441	6	30,42/02;2/03	61015	8	17/02	62140	1	34,40/02
54151	1	7,14,15/02;3/03	54463	5	14/02	61018	4	18,24/02	62142	10	24,28/02
54160	14	8/02**	54464	5	7/02	61020	2	17,28/02	62143	3	24,28/02
54161	12	16,17,19/02;10/03	54480	8	22,30,36,41/02;2/03	61021	3	18/02	62144	3	24/02
54165	2	33,37/02	54481	8	22,30,36/02	61036	8	8,27/02;7/03	62170	2	38/02
54166	3	10/03	55001	4	6,18,29,36,37,42/02	61040	6	10/03	62171	4	38,47/02
54167	2	17,19/02	55040	4	13,15,18,23,27,28,31,32, 39,41/02	61050	4	10/03	62191	14	22,29,41/02;1/03
54168	1	37/02;10/03	55041	7	15,22,32/02	61061	9	10/03	62193	17	17*,19,31/02
54169	3	8,16,37/02	55042	1	18,21,27,28,42/02	61070	4	9/03	62194	8	17*,18,19,31,36/02;4/03
54180	6	7,8,10,19,41,43,50/02; 5/03	55043	2	21,23,27,28,37,39,42/02	61080	4	9/03	62195	6	22,36,41/02;1/03
54195	2	11/02;5/03	55044	5	22,23,41,43/02	61100	4	10/03	62220	8	8/02
54200	4	7,8,10,11,13,21/02;5, 8/03	55045	2	18,21,23,41/02	61110	3	12,28/02	62225	3	17*,37/02
54201	6	13,21/02;8/03	55046	4	4,21,22,23,26,27,30,31, 37,38,39,41,48/02	61111	12	12/02	62241	10	9/03
54220	5	7,10,13/02	55047	8	22,23,26,27/02	61112	10	14,17/02	62242	11	47/02;9/03
54222	4	21,43/02	55048	12	6,23,27,32,36,37,39,41, 48/02	61120	4	12,28/02	62250	4	34,38/02
54223	2	13,21/02;8/03	55049	6	22,27,30,41,43/02	61130	3	12,28/02	62270	4	37,41/02
54224	2	13,21/02;8/03	55050	7	19,20,36,37/02	61140	5	12,27/02	62271	5	37,41/02;10/03
54225	2	21/02	55053	1	6/03	61141	6	38/02	62285	2	26/02
54226	2	7,50/02	55063	3	4,23,37,48/02;6/03	61150	4	12/02	62290	3	2,11,26,37,41/02;10/03
54227	2	7,50/02	55064	9	5/03	61160	3	12/02	62292	2	24/02
54240	11	8/02**	55082	5	9/03	61170	5	13,27/02	62295	3	2/02
54260	3	8/02**	55084	7	39/02	61171	10	13/02	62302	2	4/03
54279	4	50/02*;2/03	55085	9	13/02;5/03	61180	4	20,27/02	62310	2	6,27/02
54280	10	11,14,15,20/02;5/03	55100	8	29,36,37/02;6/03	61182	2	13/02	62313	4	17*,27/02
54281	6	20/02	55101	4	7/03	61190	4	39,41/02	62330	2	14,38,40/02
54282	1	51/02	55102	3	24/02;4,5/03	61191	8	12,13/02	62340	3	38/02
54283	5	8,19,20,52/02	55103	2	9,12,24,29,48/02;1,4,5, 7/03	61200	7	17,21/02	62343	3	8/03
54284	1	51/02	55104	2	9,48/02;4,5,7/03	61210	6	17/02	62355	6	8/03
54286	4	14,19/02	55105	7	6,9,12,18,29,36,41,42/02	61220	5	17/02	62360	5	18,38/02
54287	7	7,9/02;5/03	55110	2	4,7,23,24,29,37/02;6/03	61240	7	18/02	62361	2	N18,N38/02
54288	5	9/02;1/03	55111	1	27,36,45/02;6/03	61250	4	18/02	62366	3	38,40/02;2/03
54289	8	7,9,19/02;1/03	55120	2	36/02;6/03	61300	2	7/03	62392	7	14*,18/02
54300	12	8,11,13,14,31/02	55127	2	10/03	61310	2	33/02;7/03	62393	7	34,37,50/02
54302	1	8,11,13,14,31/02	55128	2	4,5,6,9,26,33,36,38/02;1, 4,5,8/03	61311	5	17,33/02	62394	10	34,37,50/02
54303	4	8/02	55129	7	6,9,33,36,37/02;6/03	61312	3	17,33/02	62395	2	34,50/02
54314	2	13/02	55130	2	13,27,45/02;5/03	61331	4	7/03	62400	17	23,24,33/02;4,9/03
54318	3	5,19/02;1/03	55131	1	27,36,45/02;6/03	61400	2	27/02;7/03	62401	9	11/02;6,10/03
54320	4	7,13,20,48/02;1/03	55133	3	5/03	61410	2	14/02;7/03	62402	10	10/03*
54322	7	5,13,19,20/02;1/03	55139	5	41/02	61420	2	14/02	62404	3	6/03
54324	8	19/02	55140	2	1,5/03	61433	1	14/02;7/03	62406	2	8,24,33/02
54327	4	20,31/02	55150	2	4,6,7,24,28,29,37/02	61434	2	14/02;7/03	62408	7	11,15/02;10/03
54329	4	5/02;5/03	55160	2	6,18,24,28,29,42/02	61440	2	15/02	62409	6	2/02;7/03
54330	2	5/02	55161	1	7,29/02	61450	2	14,17,27/02	62411	1	52/02
54333	3	5/02	55170	2	9,12,18,29,31,36,41/02	61470	2	15/02	62413	11	33/02
54334	3	7/02;5/03	55175	1	24,28/02	61472	1	15,20/02	62417	1	52/02
54337	3	19,31/02	55180	2	9,33/02;1/03	61500	2	17/02	62419	6	33/02;8/03
54339	8	7,17,31/02	55190	2	6/03	61510	2	15/02	62420	5	33,37,39/02;8/03
54340	8	19,48,51/02;3,4/03	55200	2	12,27/02;8,10/03	61520	2	15/02	62429	9	17,27,39,43/02
54343	10	14,19,48/02;4,5/03	56031	1	1,2/03	61560	2	15/02;7/03	62431	8	26*,27,37/02
54344	6	14,19,48/02	56042	6	22/02	61562	2	6/03	62432	15	4,25,31,34,02/2;03
54346	8	14,19/02	56043	6	22/02	61581	5	14,18/02	62433	12	15,30,31,34,45/02;1/03
54347	4	51/02	56044	3	22,38/02	61582	4	14,18/02	62434	9	12*,40,46,52/02;8/03
54350	4	51/02	56064	3	22,38/02	61584	8	4/02	62437	9	32,46/02
54351	7	52/02	56065	8	33/02	61585	2	15,20/02	62439	4	1/03
54352	3	52/02;1,3/03	56063	1	2,14,21/02	61587	4	4/02	62440	7	5,15,17,20,49/02;6/03
54360	12	15,19,20,52/02	56064	6	14,38/02;2/03	61590	2	17/02	62441	10	16,36/02
54362	3	52/02	56065	3	33,38/02	61592	4	8/02	62448	2	2,23/02
54363	3	15,19,20/02	56067	3	48/02*	61610	7	28,29/02	62449	4	15/02
54364	2	52/02	56081	19	41/02	61611	11	28/02	62451	7	2,21,23/02
54365	6	15,19,36/02	56083	2	7,31/02	61612	4	28/02	62453	3	25,33/02
54366	3	15/02	56100	13	41,49,50/02;1/03	61650	2	17/02	62455	7	17,27,39,43/02
54367	3	15/02	56101	6	33/02;1/03	61610	7	28,29/02	62456	1	27/02
54368	4	20/02	56102	23	1/03	61611	11	28/02	62457	5	5,6,17,20,21,24,36,49/02
54369	4	13,15,52/02	56103	6	18,30/02;1/03	61612	4	28/02	62459	2	6/03
54372	2	20/02	56104	2	41,49,50/02	61650	3	17/02	62460	4	6,24,31,33/02;10/03
54380	6	5,19,26,42/02;3/03	56120	12	1/03	62000	20	18,46/02	62464	2	15*,31,49,50/02;4/03
54382	9	26/02	56191	2	18/02	62001	4	2,36/02;1/03	62480	1	13,15,18,23,30,31,33,37, 43/02;6,8,10/03
54386	10	7,42/02	56195	3	22/2*	62024	13	13,14,38,40/02	62490	1	2,4,12,16,18,25,29,31,32, 33,43,50,52/02;8/03
54387	7	6,23,42/02	57035	10	10/03	62028	15	5,8,12,18,02/10/03	62498	4	12*,23,25,27,31/02;4, 9/03
54389	8	6,43,52/02	57063	5	40,41/02	62032	15	13,16,18,23,29,32,33,43,	62499	4	15*,25,27,31,49,50/02;4, 9/03
54400	8	5,7,20,32,43/02;3/03	57064	3	41/02	62033	2	N13,N16,N18,N23,N29, N32,N33,N43,N50, N52/02;N8/03	62500	2	6,23,31,33,34/02
54402	4	52/02	57101	18	41/02	62040	5	13/02	62510	2	N6,N23,N31,N33, N34/02
54403	4	6,22,43,52/02	57120	13	43/02	62046	2	13,39/02	62515	2	14,26,45/02
54404	4	19/02	57140	10	43/02	62050	6	18,44/02	62520	5	5,6,7,13,15,17,20,30,31, 37,43,49/02;10/03
54407	4	32,43/02;3,7/03	57141	14	43/02	62090	7	2/02	62521	3	N5,N6,N7,N13,N15, N17,N20,N30,N31,N37, N43,N49/02;N10/03
54409	2	23,32/02;7,8/03	57142	6	43/02	62092	7	2,41/02	62525	2	14,26,45/02
54413	3	31/02	57160	10	43/02	62093	7	2,16,41,49/02	62530	5	7,31,33,43/02;8/03
54416	5	7/02	57161	4	31/02	62095	2	2,3,16,41,49/02	62531	3	N7,N31,N33,N43/02; N8/03
54418	4	32,43/02;3,7/03	57162	7	43/02	62100	6	2,4,12/02			
54419	2	3/03	57164	2	43/02	62110	9	2,4/02			
54421	6	6,7,28,47/02	57165	1	43/02	62120	6	11/02			
54422	4	19/02*	57170	1	43/02	62121	9	11/02			
54423	5	48/02*	57381	12	52/02						
54430	1	26,28,37,43/02	57460	4	10/03						

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 10/03

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.
62540	6	17*,18,21,23,25,26,29, 31,32,34,40,45,48,50, 52/02;8/03	71066	1	39/02;6,7,10/03	72109	3	42,44/02	74186	7	11,18,34/02;4,10/03
			71071	5	15/02	72110	9	12,15/02	74190	7	2,13,22,23,26,35,36,37, 46/02;1/03
			71081	3	16/02	72130	4	13,46/02	74191	2	19,22,24,26,35,46,48/02; 1,7,9/03
62541	3	N17*,N18,N21,N23, N25,N26,N29,N31,N32, N34,N40,N45,N48,N50, N52/02;N8/03	71091	4	1,2/03	72131	3	13/02	74192	3	5,24,26,28,35,46/02;1/03
			71140	6	33,39,46/02;1/03	72161	10	15/02;10/03	74200	8	5,14,18,21,27,28,37, 46/02;1,8/03
			71180	29	2,8,10,33,37/02;7/03	72173	2	12,15/02	74201	9	27/02
62550	2	7,13,30,43/02;10/03	71183	13	32/02	72181	2	36/02;7/03	74202	3	14,16,21,24/02;1,7/03
62560	3	2,21,23,25,29,52/02	71185	24	5,8,13/02;7/03	72190	2	6,30/02;10/03	74204	5	13,14,21,24,27,37/02;1,7, 8/03
62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02; 8/03	71210	18	44/02;3/03	72201	2	16/02	74205	2	16,24,25/02
			71211	4	38/02	72203	6	43/02;5,8/03	74206	2	8,24,34/02
			71212	1	18,38/02	72211	8	31/02	74210	7	12,25/02;7/03
62580	3	2,4,14,23,26,32,33,45/02	71223	8	17/02	72231	8	9/03	74220	8	6,11,13,17,23,25,26,35, 47,51/02
62590	2	4,9,12,16,28,29,36,40,46, 48/02;8/03	71230	11	23,38/02;6/03	72236	1	9/03	74221	2	11,13,35,51/02
62591	3	N4,N9,N12,N16,N28, N29,N36,N46,N48/02; N8/03	71241	10	18/02;6/03	73000	9	26,40,52/02;10/03	74229	2	5,6,11,17,22,23,33,37,43, 47/02
			71243	4	33/02	73002	4	4,6,8,18,24,30/02;5/03	74230	7	11,13,28,39,42/02;5,7/03
			71247	18	20,21/02;5,6/03	73004	4	4,26/02;10/03	74231	7	5,6,19,23,35/02;3/03
63000	13	5,12,27,28,48/02	71248	2	N51/02*,N1/03	73008	8	8,16/02	74232	9	2,9,15/02;5,7/03
63005	18	4,15,25,31/02	71249	2	35/02	73010	3	13/02	74234	1	2/02;8/03
63010	14	26,29,31,52/02	71251	11	20,35,40/02;1/03	73012	5	9,10,42,48,52/02	74240	8	4,9,15,34,39,42/02;4,5,7, 8,9/03
63015	11	31,38,40,52/02;9/03	71253	10	14,21,35,40,42/02;5,6, 7/03	73014	10	48,52/02	74251	8	4,15,17,23,25,26,31,32, 34,37,42,44,46,51/02;6, 9/03
63020	15	27,31/02;4,9/03	71255	5	9/02;6/03	73016	4	15,44/02	74252	9	19,47/02;5,7/03
63040	2	12*,46/02	71257	2	4,8,9,15,18,21,23,28/02; 5,6,7/03	73018	3	13/02	74253	6	4,11,15,17,19,23,25,27, 32,47/02;8,9/03
63050	2	5,12,17,46/02	71258	2	4,9,15,18,20,21,28,35/02; 5,6,7/03	73022	4	13/02	74261	9	15,25,41,49/02;4,10/03
63053	4	12*,14/02				73024	3	39/02	74265	2	4,11,15,17,18,19,25,31, 38,41,43,47,49/02;7,9/03
63054	3	19*,31/02				73030	4	4,20/02	74270	3	9,18,19,26,31,38,41,43/02;
63055	2	5,14,29/02				73032	4	4,25/02;9/03	74271	9	9,19,28,38,46/02
63060	7	5,12,25,28,32/02	71259	2	18,20,21,33/02;1,7/03	73041	2	18/02;5/03	74272	7	26,32/02;4/03
63062	7	5,18,28,29/02;7/03	71261	8	2,13,35/02;2/03	73141	5	13/02	74273	5	18,19,31,38,41,43/02; 7/03
63063	9	5,27,29/02	71262	7	6/03	73191	3	7/03	74281	7	3/03
63065	6	18/02	71265	3	46*,49/02;7/03	73271	7	21/02	74283	2	46,49/02
63070	3	20,27,28,29/02	71271	10	23,25,30,34,52/02	73552	4	9,25,34,45/02;1,7,9, 10/03	74285	2	31,34,35,45/02;1,9/03
63080	5	26,27,28,31,48/02	71272	10	23,30,34/02	73570	7	34,45/02;1,10/03	74286	2	15,22,24/02
63090	8	25,31/02	71273	2	14/02	73580	4	52/02	74287	2	27,34,38,52/02;9/03
63091	4	26,27,32,39,48,52/02; 9/03	71275	3	13,23,35/02;2,6/03	73581	4	16,52/02;3/03	74289	5	13,18,26/02;9/03
63100	2	4,15,44/02	71281	7	51/02	73590	6	16,31,47,52/02	74290	11	13,25,34,39,45,46,48,49, 51/02;1,7,9,10/03
63101	15	14,17,19/02	71285	3	2,7,23,25,30,34,52/02	73601	3	12,15,17,24,26,31,34,35, 47/02	74292	8	13,27,34,38/02;9/03
63102	19	14,17,19,26/02	71295	2	25,26,30,34,39,40,52/02	73610	4	26,31/02	74293	7	25,34,45,48/02;9/03
63103	17	14,17,26,29/02	71305	2	9,14,31,34,36/02;2/03	73631	4	36,46/02;1/03	74294	3	25,34,45/02
63110	4	40/02	71311	4	7/03	73640	5	23,36/02	74295	3	18,22/02;4,9/03
63111	9	17,25,48/02;9/03	71313	8	45/02	74003	5	2,22,25,28,47/02;7,10/03	74296	4	27,34,38,49/02;9/03
63120	2	44,48,52/02;8/03	71314	5	6,10/03	74004	2	12,13,18,35,37,39,47/02; 9/03	74310	2	9/02
63121	5	48/02;5,8/03	71315	2	14,27,31,34/02	74005	2	9,13,18,19,31,34,35,46, 47,51/02;4,7,9/03	74320	3	35/02;8/03
63121	5	48/02;5,8/03	71320	1	35/02;5/03	74006	2	26,31/02	74330	3	15/02
63150	1	14,15,25,31/02	71325	8	5/03	74007	1	36/02	74340	3	15,27/02
63200	5	52/02	71330	13	35/02;5/03	74009	10	3,9,20,22,25,38,49/02;8, 9/03	74350	4	25/02
63201	9	40/02	71331	11	5,7,8/03	74012	10	17,20,22,26,37,40,49/02; 6,8/03	74376	5	43/02;9/03
63210	3	45,52/02	71333	2	6,7/03	74015	10	20,40/02	74380	4	2,3,9,22,32/02;8,9/03
63220	5	26,45,52/02	71335	2	8/03	74017	4	3,12,17,18,37,45/02	74391	3	15/02
63230	6	17*,45/02	71340	11	18,19,22,40,46/02;2,4,5, 6,7/03	74018	6	44/02	74392	7	16,22,25,39/02
63231	8	31,45/02	71343	3	7/03	74020	4	16,17,33,37,38,43/02; 5/03	74393	9	12,16,18,19,25,28,31,38, 41,50/02;3/03
63232	3	45/02	71348	3	18,35/02;7/03	74021	7	10,13,14,20,33,35,39, 44/02;7,10/03	74394	2	3,12,18,19,28,31,41,49, 50/02;3/03
63250	6	14*,29,40/02	71350	8	15,18,20/02;5,6,7/03	74024	7	31,44/02	74410	3	16,20,25,38/02;7/03
63271	8	19,52/02;8/03	71400	5	11/02	74027	9	43,44/02	74415	1	39/02
63290	7	19,31,32,38/02;10/03	71401	1	40,46,51/02;5/03	74030	6	10,28,51/02	74420	3	45/02
63291	9	19,33/02	71402	1	18,40,46/02;4,5,6/03	74042	1	6/02	74430	2	49/02
63320	8	30/02	71410	1	11,39/02	74053	2	10,28,51/02	74440	3	32,39/02;2/03
63321	6	30,42/02;9/03	71420	1	38,39/02;3/03	74054	2	28/02	74450	3	21,22,26,49/02;2/03
63322	2	30/02;9/03	71430	2	18,41/02	74071	4	12/02	74455	3	9,19,21,23,48/02;1,4/03
63324	1	6/02	71440	1	7,24,34,38,49,52/02	74151	9	4,10,20,24,27,36,44/02; 2/03	74460	4	21,22,26,37,40,46,49/02; 6/03
63330	9	27,39/02;4/03	71445	1	7/03	74152	11	14,36,44/02	74465	2	9/02;9/03
63337	15	27,31,39/02;4/03	71450	1	22,25/02;7/03	74153	2	4,14,36,44/02;2/03	74470	2	8/03
63400	1	39/02;8/03	71460	1	15,20,25,41/02	74162	4	10,36,46,47/02;8/03	74475	2	44/02
63410	6	39/02;8,9/03	71465	1	20/02	74171	4	33,36,47/02;3,10/03	74480	2	44/02
63413	5	39/02	71470	2	15,38/02	74172	5	2,36,47/02;7,10/03	74485	3	16,43/02
63417	2	39/02	72000	8	4,31,32,35,47,50/02;2/03	74181	8	2,11,13,23,28,33,35,37, 38,39,47/02;10/03	74491	4	6/02
63420	2	39,45/02;8/03	72007	10	6,30,36,38,47,51/02;2,5, 7/03	74182	12	3,5,11,13,23,24,25,26,28, 33,35,37,38,39,41,42,44, 51/02;6,10/03	74492	7	6,16/02
63424	2	45/02	72014	10	12,46/02;7/03	74183	11	11,38,39,42/02;4,6/03	74493	3	6,16,38,43,45/02
71005	1	7,9,34/02;2,6/03	72021	8	31,36,38,47,50,51/02;	74184	10	10,13,23,24,28,33,35,37, 38,46,48/02	74494	2	41/02;8,9/03
71006	5	8,39/02	72028	7	4,5,15,31,34/02				74510	2	14,16,17,33,35,37/02;5, 10/03
71009	3	9,39,46,48/02;1,6,7/03	72035	8	16,31/02;8/03						
71012	3	19,33,39,46/02;1/03	72040	3	11/02						
71018	10	2,5,9,10,15,33,35,37/02;	72045	2	16/02;8/03						
71027	9	7,15,19,20,22,24,25,34, 38,45,49/02;2,4,5/03	72060	8	32,50/02						
71033	31	7,15,23,37,38,49/02;3/03	72070	4	8,11,32/02;2,9/03						
71036	8	9,11,35,44/02	72075	2	8,20/02;9/03						
71040	5	27,34,42/02;7/03	72080	7	8,20,51/02;2,9/03						
71042	1	34									

# SECTION I

**NM 10/03**

## CHARTS AFFECTED BY NOTICE TO MARINERS NM 2/02 THROUGH NM 10/03

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.
74515	4	10,13,14,20,28,33,35, 39/02;4,7,10/03	76056	3	9/03	91286	10	13,20/02	93726	4	26,48/02;8/03
74517	3	10,13,18,20,21,39,41/02; 4/03	76060	7	40/02	91289	19	13,19,20/02	93730	3	6,21,39,40,42,45,47, 50/02;2,4/03
74521	3	28,41/02	76061	3	40/02;9/03	91294	8	10,14/02	93733	13	5,6,17,21,22,26,32,39, 45/02;4/03
74527	2	28/02	76070	9	4,9,12,23,35/02	91297	9	10,14/02	93734	11	6,17,22,26,32,45/02;4/03
74530	2	28,44/02	76071	9	4,23,35/02	91300	3	10,21,22/02	93736	22	5,6,8,11,16,22,26,32, 41/02;4/03
74535	2	31,42,44,48/02	76080	8	3/02;1/03	91331	3	10,21/02	93778	8	14,47/02;7/03
74545	3	28,40/02	76081	7	9,12/02	91340	3	11,19,21/02	94004	6	2,12,14,19,29,30,33,37, 44,52/02;8,9,10/03
74550	4	5/03	76083	3	1/03	91360	2	11/02	94016	2	12,23,33,35,52/02;3,9, 10/03
74555	3	10,34,43,44,48,51/02; 5/03	76090	6	2,9/02	91400	2	10/02	94028	7	7,8,9,13,14,23,25,40,42, 52/02;1,6,7,8,9/03
74560	10	14,23,28,32,40,43,46,48, 50/02;4,5/03	76110	5	23/02	91407	2	10/02	94040	13	30,37,47,51/02;6,8,10/03
74561	2	5/03	76120	6	6,22,23,25/02	92006	5	45,46/02;5/03	94042	9	47,51/02;7/03
74581	9	9,13,20,26,32,34,36,40, 41,43,45/02	76121	8	4,9/02	92010	3	19/02	94060	10	2,5,27,29,30,33,37,46, 47/02;7,8,10/03
74582	9	3,9,13,18,26,28,40/02	76140	7	2,46/02	92020	2	19/02	94061	5	2,5,19,33,35,47/02
74583	15	26,32,34,40,43,44,48/02	76141	8	4,14,19,46/02	92025	3	10,11,13,21/02	94063	4	29,33,41/02;8/03
74584	5	4,18,22,25,32,34,41,43, 45/02	76142	1	46/02	92030	4	7,10,11,19,21/02	94067	10	33/02;10/03
74590	2	10,28,51/02	76146	1	2,8/02	92033	5	45/02	94080	7	14,15,27,29,30,33,44, 48/02;10/03
74591	7	10,40/02;8/03	76147	1	2/02	92060	3	21/02	94082	8	5,13,14,25,27,30,44/02; 8/03
74595	2	28/02	76150	6	35/02	92061	3	21/02	94083	12	5,13,17,25,44/02
75000	6	47/02;6/03	76151	7	5,22/02	92110	3	13/02	94084	1	5,6,13,23,25/02
75001	3	9,23,47/02;5,6/03	76161	10	9,40/02	92115	1	13,15/02	94120	6	12,19,21,33,38,48,52/02; 9,10/03
75010	7	16,18,41,42,50/02	76167	7	29/02	92120	3	5/02	94122	7	19,30,40/02
75025	9	14,22,23,36,39/02;2,4, 8/03	76171	10	9/02	92200	3	10,19/02	94123	9	12,21,33,38,42,44,52/02; 9,10/03
75035	18	10,21,24,36,39/02;2,6/03	76180	1	2,4,6,18,22,23/02	92210	3	18*,19/02	94124	13	38,42,44/02;10/03
75051	6	13,16/02;5/03	81002	6	18/02	92214	4	3,19/02	94127	2	21,33,38/02;6,9/03
75052	2	13,16/02	81023	5	18/02	92216	3	23/02*	94146	2	2,26,27,46,50,51/02
75110	2	50/02	81048	8	14/02	92242	2	3/02	94165	4	14,20,26,50/02
75120	2	16,42/02	81054	12	14,29/02	92290	2	7,11/02	94180	9	26,32,42,44,47,50,51/02
75130	16	7,16,18,21,27,31,34,41, 50,51/02;5,7,8/03	81063	5	2/02	92293	2	7,11/02	94184	2	N51/02
75131	7	18,20,28/02	81067	5	51/02;10/03	92310	4	5,11,13/02	94187	3	32/02
75132	11	31/02	81092	3	38*,50/02	92320	4	7,10/02	94188	2	44,46,47,51/02;8/03
75134	3	7,23,27,33,35,51/02;5/03	81711	6	23/02	92380	3	7,10,11/02	94201	1	51/02
75142	5	4,8,15,21,28,36,42,50/02	82244	5	35,42,48/02	92560	4	45/02	94203	10	22,26,41,42,44,46,47, 52/02;10/03
75143	4	4,12,15,20,28,32,33,36, 38,42,50/02	82253	7	35,48,50/02	93006	2	21,39,45/02;4,8,10/03	94206	3	22,26,41,42,44,47,52/02
75144	3	20,31,33,36,42,51/02;4, 10/03	82374	9	22/02	93010	6	15,17,22,27,38,40,41/02; 2/03	94207	5	N26,N42,N44,N47, N52/02
75150	5	13,16,50/02	82580	2	19/02	93018	8	9,27/02;1/03	94208	6	N44/02
75160	6	6,22,23,24/02	82646	2	19,33/02	93020	2	15,24,38/02;4/03	94216	6	27,45/02;10/03
75170	12	38,39/02;8/03	82649	5	3,18,20,33/02	93022	4	6,18/02	94217	4	30/02;6/03
75171	22	5,8,10,12,14,17,18,22,27, 31,32,33,36,38,40,42,48, 52/02;1,6/03	82684	3	3,12,18,33,38/02;7/03	93025	5	45/02	94218	3	30,36/02;6/03
75172	5	39/02	82689	10	6,18,19,20/02	93030	6	6,18,45/02	94219	1	47/02
75173	9	8,10,12,14,17,20,25,31, 32,33,36/02;1,6/03	82694	6	38/02	93043	1	45/02	94220	4	22,26,41,42,44,47,49/02;8, 10/03
75175	9	5,16,18,31,33,38,40,45, 50/02;6/03	82697	6	38,46/02	93046	1	9,45/02;5/03	94260	5	49/02;1,6/03
75176	9	5,7,14,17,27,42,50/02	83010	6	6/03	93047	2	45,49/02	94280	5	51/02
75177	7	5,12,18,27,38,48,50, 52/02;6/03	83020	8	7/02	93048	1	35,49/02;5/03	94282	6	27,45/02;10/03
75180	2	3/02;8/03	83023	4	25,27,43/02	93101	2	N24,N34,N38/02;N2/03	94283	7	46/02;2,8/03
75185	2	22,47/02;8/03	83026	32	18,41/02;6/03	93110	2	22,24,38,40,41/02;1,2/03	94290	2	1,7/03
75190	2	11,23,47/02	83032	1	18/02	93113	2	19/02	94322	14	8/03
75191	6	3,22,25,37,38,43,47/02; 8/03	83034	1	12/02	93115	2	40,41/02	94360	6	18,32,43/02;6/03
75193	6	22,49/02;1,5,7,10/03	83039	11	9,12,41/02;6/03	93117	2	19,40,41/02	94361	13	18,32/02
75207	2	36,52/02;4/03	83385	19	20,27/02	93160	4	15*,27,34/02;1/03	94363	4	32,43/02
75208	2	14,26,50/02	83392	5	31/02	93243	6	42/02	94380	4	N5,N6/03
75213	2	36,52/02	83393	2	N31/02	93247	4	26/02	94384	3	5/03
75215	2	36,39,40,52/02;7/03	83397	6	8,18/02;1/03	93260	8	27,31/02;7/03	94420	3	5,39/02;4,8/03
75220	12	10,14,36,39,49/02;4/03	83425	6	3,20,35/02	93261	5	31/02;7/03	94421	10	15,45/02;4/03
75222	8	18,22,35,40/02	83500	1	9,12/02	93360	5	38/02	94423	12	19,45/02
75240	4	14,36,39/02;2,4/03	83560	3	9/02	93385	6	6,18/02	94427	2	N32/02
75241	6	34,36/02	83570	2	5,24/02	93404	6	6/02	94440	2	46/02
75251	5	23,33,48/02;3/03	83572	1	24/02	93420	4	18/02	95016	8	9,12,40/02
75261	6	13,17,21,23,24,33,36, 48/02;3,6/03	83574	2	5/02;7/03	93440	4	18/02	95040	8	4,40/02
75262	6	12,38/02	83580	2	12,24/02;8/03	93460	7	6/02	95060	13	4,10,14,15,16,40,43,44, 47,48,52/02;1,6/03
75263	9	17,32/02;5/03	91005	6	7,10,11,45/02	93520	13	45/02	95065	5	4,14,48/02;10/03
75264	17	16,17,19,33,34,37,41,42, 44,45/02;2/03	91008	1	12,29,44,48/02;8,10/03	93610	3	44,45/02;6/03	95066	11	4,10,13,14,15,16,18,19, 20,41,43,44,47,48,49, 50/02;1,5,6/03
75265	2	13,17,20,21,24,02;6/03	91020	5	10,19,21,22/02	93650	2	19,44/02;6/03	95067	13	18,41,44,46/02;1,5,10/03
76015	1	3,4,18,23,24,29,35,40/02	91030	3	7,10,11,21/02	93652	2	3,6/03	95068	1	41,42,45,47/02
76020	7	8,18/02	91040	1	10,11/02	93680	3	45,47/02	95070	13	8,10,13,16,18,25,27,30, 33,40,44,45,50,52/02;1,6, 7,9,10/03
76030	9	9,12,24,49/02	91080	4	11,21/02	93710	3	14,26/02;6/03			
76041	2	2/02	91096	1	21/02	93720	10	39,45,50/02;8/03			
76050	8	24,49/02	91170	2	38,41,44/02	93721	5	5,8,9,20,22,26,32,39,42, 45,50/02;4/03			
76052	8	8,12,15,21,02;4,5/03	91240	5	7,10/02	93725	6	20,45/02			
76054	5	9,49/02	91280	7	19,22/02						

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 10/03

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.
95082	9	10,13,19,21,25,27,30,33, 44,46/02;1,4,7/03	96024	3	6,7,8/02	97145	1	2,15,22,43/02;8,9/03	97274	19	19,27,31,34,39,45/02;6, 9/03
95083	8	21,25,33/02;1,4/03	96028	5	6,7,8/02	97146	10	44/02*	97276	1	27,29,40/02;9/03
95084	7	15,16,18,50,52/02;8/03	96032	3	38/02	97148	9	21*,23,45/02;9/03	97277	11	10,17,27/02;1,5,6,8,9/03
95085	4	15,45,52/02;1,6/03	96039	7	16,17,30/02	97149	20	25,34,35,44,45/02;1/03	97278	11	39/02;1/03
95086	5	15,45,52/02;1,6,8/03	96041	11	16,17,30/02	97150	13	34,39,43,44/02	97279	9	27/02;9/03
95087	3	4,19,21,25,33,40,48/02;1, 8/03	96042	11	16/02/10/03	97151	16	31,35,44,45/02	97280	4	52/02
95100	12	7,8,9,10,13,14,15,16,18, 38,39,43,44,45,46,47,50, 52/02;1,4,6,7,8,9,10/03	96043	8	16/02	97152	8	37/02	97281	2	41/02
95101	8	8,13,14,15,39,44,50/02;1, 5,6,9/03	96044	10	8,29,30/02	97153	7	31/02	97283	3	45/02;9/03
95102	8	8,10,13,38,42,45,46,47, 48,50,52/02;1,4,5,8/03	96120	6	30/02	97154	2	36/02	97285	6	10,19,23,27,31,34,42/02; 7/03
95103	8	8,13,42,43,45,47,52/02;4, 6,7,10/03	96130	2	9/02	97155	14	2,20,31,35,36,37,39,40, 48/02	97286	6	10,11,21,23,25,27,31,34, 35,36,41,42/02;6,8,10/03
95120	7	6,13,17,20,21,42,43, 52/02;1,4/03	96140	5	30/02	97156	6	2,21,37/02;1/03	97287	5	11,34/02
95138	8	45,46,48,49,50,52/02; 8/03	96141	4	9/02	97157	1	35,37/02	97300	6	12/02;1/03
95140	15	7,8,10,14,15,18,22,38,40, 41,44,48,49,52/02;1,7,8, 9,10/03	96181	5	9/02	97159	6	33,39/02;7/03	97303	3	18,25,47,48/02
95141	8	7,14,45,47,50,52/02;1,6, 7,8/03	96200	5	8,9/02	97163	14	23/02	97320	6	33/02
95142	9	15*,18,19,50,52/02;8, 10/03	96240	4	8,11/02	97164	1	7/03	97340	8	27,33,38,52/02
95143	11	4,15,18,40,45,47,48,49, 50/02;1,5,6,7,8,9,10/03	96300	4	11,12/02	97165	1	7/03	97341	9	2,27,34/02
95144	9	8,10,19,38,41,46,48,50, 52/02;1,6,8,9,10/03	96320	4	12/02	97166	1	33/02	97342	14	27,38/02
95146	14	7,10,19,36,38,39,40,41, 44,46,47,48,50,52/02;1,8, 9/03	96340	4	12/02	97167	2	23,33/02	97343	12	27,38/02
95147	13	7,39,41,44,45,46,47,48, 49/02;1,5,9/03	96360	4	12/02	97180	6	8,9,11,22,31,34,39,43,45, 46,48/02;4,8/03	97360	6	20,23,27,38/02;5,7/03
95149	9	15,18,22,34,36,37,38,41, 43,48,49,52/02;8,9/03	96441	1	41/02;10/03	97181	20	8,9,11,18,22,25,31,34,46, 48/02;1,4,7,8/03	97380	7	21,39,47,52/02;1,2,8/03
95151	17	13,15,18,34,36,37,38,40, 47,50/02;1,5/03	96480	3	6,7,8,41/02	97182	13	11,18,21,23,31,34,39,46, 48/02;1,4,5,6,7,8/03	97381	7	27/02;7/03
95152	5	37,38/02;6,9/03	96500	6	6,8,41/02;10/03	97183	9	25,44/02;5,9/03	97382	2	41,45/02;4/03
95153	2	15,22,34,36,37,38,43/02	96520	7	10/03	97184	15	25,28,47/02;1,7/03	97383	16	31/02;5,7/03
95160	13	4,7,8,9,15,27,41,42,47, 52/02;1,6,8,9/03	96521	3	N19/02*	97185	2	43/02;1,7/03	97384	4	47/02
95161	16	4,27,31,40,45,48,50/02;1, 5,6,8,9/03	96540	5	10/03	97187	3	44,48/02;9/03	97385	10	31,52/02;5,6,7,9/03
95162	2	20,40,44,47/02;10/03	96560	5	10/03	97188	2	1,7/03	97387	2	4,5,7/03
95163	2	27/02;1,6,9,10/03	96580	3	10/03	97189	2	25,28,44/02;9/03	97389	1	39/02
95164	4	43,48/02;1,6,9/03	96621	5	10/03	97190	2	8,9,22,34,39,52/02;8/03	97390	5	7,31,39,40/02;2,5/03
95167	10	44/02;1,6,9/03	96640	5	6/02	97200	9	11,52/02;8/03	97391	26	31/02;6,7/03
95169	2	4,44,50,52/02	96645	1	26/02	97202	15	43,44,52/02	97392	5	21/02;1/03
95171	1	1,6,9/03	96760	4	5,7,29,35,45/02	97204	9	2,10,28,29,45,52/02;4,6, 10/03	97396	14	7,18,21,36,39,40/02;2/03
95172	1	1,9/03	96762	3	29/02	97206	2	10,12/02	97397	7	3,8,18,25,39,49/02
95173	1	15,16,17,50,52/02;1/03	96763	7	29,43,48/02;9/03	97207	3	11/02	97398	3	21,25,49/02
95174	1	17,50,52/02	96780	4	4,11/02	97218	3	10,21,41/02;6/03	97400	3	25,26/02;1/03
95176	2	16,20,31/02;8/03	96800	4	19*,41/02	97219	4	10,12,21,25,31/02;6,9/03	97410	8	11,21/02
95177	1	18,41,50/02;9/03	96820	4	6/02	97220	3	2,7,8,21,24,31,37,39,42, 43,44/02;6,8,9/03	97412	7	40/02
95180	11	9,15,17,18,27,40,42,44, 49/02;1,6,9,10/03	96883	9	7/02	97222	12	11,25,28,47/02;10/03	97420	17	8,9,21,34,39,42,47,52/02; 1,8,10/03
95185	2	20,31,40,44,49/02;10/03	96900	4	5,7/02	97223	3	8,42,44,48/02	97440	8	20,23,27,52/02;1/03
95255	2	44/02;1,7,10/03	96901	3	5,7,19,27/02;7/03	97224	6	11,18,25,27,46,47,49/02	97441	5	20,46/02
95258	3	6/03	96902	2	5,7,45/02	97225	31	2,7,8,11,21,24,37,39,42, 44,45/02;6,8,9,10/03	97460	7	40/02;5/03
95261	7	48/02;1,5,9/03	96904	2	5,27,41/02	97226	7	17/02	97461	9	4,5,21/02;5,8/03
95262	13	41,46/02;1,6,9/03	96906	2	27/02	97227	11	21,24,42,43/02;9/03	97465	9	5,21/02;1,6,8/03
95264	8	6,48/02	96939	3	4,7,9/03	97228	15	2,21,28,30,39,40,42, 43/02;5,6,9/03	97466	2	5,25,46/02;1/03
95267	5	11,17/02	96941	8	47/02	97229	12	2,7,8,18,24,27,31,36,39, 47/02;6,8,9/03	97469	10	7,26/02;1,6,8/03
95268	16	39,48/02;6,9/03	96943	15	44/02;1,9,10/03	97230	18	2,29,36,52/02;6,9/03	97471	5	N7,N31/02
95270	4	8,48/02;9,10/03	96944	6	45,52/02;6/03	97231	11	10,21,41/02;6/03	97472	8	6,7,34/02
95271	4	44,48/02;9,10/03	96945	3	43,52/02	97232	8	4,15,20,25/02	97473	7	5/02
95273	2	48/02	96947	15	6/03	97233	11	31,33,43,44,49/02;1,5,6, 9/03	97474	7	21/02
95274	3	48/02	96960	3	9/02;7/03	97234	17	29,43,47,49/02;1,6,8, 9/03	97480	7	12,21,35,52/02;3,9,10/03
95276	3	21/02*	96962	4	19,30,35/02;1,9/03	97235	10	31,33/02;1,5,9/03	97481	6	10,47,49/02;9/03
95277	1	2,17,48/02;8/03	97021	7	2,16/02	97236	20	31,47/02;9/03	97483	7	48,52/02
95278	9	7,10/03	97026	10	23/02	97239	10	31,33/02;1,5,9/03	97521	6	19,42/02
95279	2	48/02	97029	3	19/02	97241	6	10/03	800669	8	N20/02
95274	3	48/02	97040	5	43,47/02	97243	8	21,28,29,31,33,48/02;1,5, 6/03	800744	1	N22,N49/02;N5/03
95276	3	21/02*	97041	9	45,47/02;10/03	97244	5	9/03	801217	1	N5,N6,N7,N21/02:N6, N8/03
95278	9	2,17,48/02;8/03	97043	2	17,23/02	97245	11	7,17,28,36/02;1,5,9/03	801885	3	N28/02
95281	15	7,10/03	97060	8	9,46/02	97246	7	43,52/02;5/03	801959	2	N10/02
95282	7	46,52/02;4,6,9/03	97061	3	52/02	97247	15	10,17,18,41/02;1,5,7/03	802202	8	N14,N23,N31,N35/02; N1,N7/03
95300	5	2,16,45,48,52/02	97101	1	28/02	97248	10	6/03	802260	5	N20/02
95320	15	8,35,38/02	97104	4	8,10,20/02;7/03	97249	11	20,45/02;8/03	803404	2	N26/02
95341	8	8,10,11,18,19,42,47/02;1, 10/03	97105	3	8,10,20/02	97250	4	6/10/03	804037	1	N28/02
95342	16	30/02;9/03	97120	6	2,15,22,28,31,37,40,42,	97251	4	6/10/03	804059	2	N20/02
96000	5	6,8/02	97140	17	43/02;9/03	97252	12	17,18,25,29,37,39,40,42, 43/02;9/03	804567	4	N17/02
96004	14	16,17,44,45/02	97141	5	13*,19,21,40,46/02;8/03	97253	10	6/03	805647	2	N37,N51/02
96012	16	7,8,11/02	97143	11	2,21,31,43,45/02;9/03	97254	10	19,27,34,42,45,49/02;6,8, 9/03	807861	2	N27/02
96016	7	11,12/02	97144	14	44*,46/02;7,8,9/03	97255	12	19,27,34,42,45,49/02;6,8, 9/03	808528	1	N25/02
96020	4	6,7,41/02				97256	16	17,18,25,29,40,41/02;1,5, 6,8,10/03	809310	9	N13,N18,N39/02
						97257	16	17,18,25,29,40,41/02;1,5, 6,8,10/03	809679	2	N25,N50/02

## SECTION II

NM 10/03

## NIMA 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
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date					
REGION 1									
11AHA11470 (7642014010151)	Fort Lauderdale-Port Everglades  (New edition due to changes in hydrography)	10,000	<u>36</u>	<u>1/03</u>	NOS	1-94	10/03		
11XHA11506 (7642014010257)	St. Simons Sound  (New edition due to numerous Notice to Mariners corrections)	40,000	<u>40</u>	<u>1/03</u>	NOS	1-94	10/03		
11XHA11508 (7642014010264)	Altamaha Sound  (New edition due to numerous Notice to Mariners corrections)	40,000	<u>21</u>	<u>1/03</u>	NOS	1-94	10/03		
11AHA11512 (7642014010161)	Savannah River and Wassaw Sound  (New edition due to numerous Notice to Mariners corrections)	40,000	<u>59</u>	<u>1/03</u>	NOS	1-94	10/03		
12XCO12204 (7642014010356)	Currituck Beach Light to Wimble Shoals (LORAN-C)  (New edition due to numerous Notice to Mariners corrections)	80,000	<u>35</u>	<u>1/03</u>	NOS	1-94	10/03		
12BCO12211 (7642014010347)	Fenwick Island to Chincoteague Inlet (LORAN-C)  Inset: Ocean City Inlet (Inset not shown on index) (New edition due to numerous Notice to Mariners corrections)	80,000	<u>41</u>	<u>1/03</u>	NOS	1-94	10/03		
12BHA12289 (7642014010353)	Mattawoman Creek to Georgetown  Inset: Washington Harbor (Inset not shown on index) (New edition due to numerous Notice to Mariners corrections)	40,000	<u>48</u>	<u>1/03</u>	NOS	1-95	10/03		
12AHA12312 (7642014010332)	Delaware River-Wilmington to Philadelphia  (New edition due to numerous Notice to Mariners corrections)	40,000	<u>52</u>	<u>1/03</u>	NOS	1-95	10/03		
12AHA12334 (7642014010337)	New York Harbor-Upper Bay & Narrows  (New edition due to numerous Notice to Mariners corrections)	10,000	<u>65</u>	<u>1/03</u>	NOS	1-95	10/03		
13BCO13312 (7642014010433)	<u>Frenchman and Blue Hill Bays (LORAN-C)</u>  (New edition due to numerous Notice to Mariners corrections)	80,000	<u>21</u>	<u>1/03</u>	NOS	1-29,95	10/03		
14XCO14822 (7642014010573)	Niagara River and Welland Canal (LORAN-C)  (New edition due to numerous Notice to Mariners corrections)	80,000	<u>31</u>	<u>1/03</u>	NOS	1-96	10/03		
19BCO19401 (7642014011679)	<u>French Frigate Shoals</u>  (New edition due to changes in horizontal datum and territorial limits)	80,000	<u>8</u>	<u>12/02</u>	NOS	1-8,99	10/03		
19XHA19461 (7642014011707)	Pearl and Hermes Atoll  (New edition due to changes in horizontal datum and territorial limits)	40,000	<u>7</u>	<u>12/02</u>	NOS	1-99	10/03		
REGION 6									
62BHA62402 (7642014013398)	Approaches to Ad Dawhah and Umm Sa'id	50,000	<u>10</u>	<u>2/03</u>	A	6-24	10/03		

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

## SECTION II

### NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

CHS Canadian Hydrographic Service  
DS Distribution Limited  
GPO Government Printing Office  
NOS National Ocean Service  
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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.

## SECTION II

NM 10/03

### NAVIGATION PUBLICATIONS

#### SAILING DIRECTIONS CORRECTIONS

**PUB 120**      **2 Ed 2001**

Page 179—Line 3/L; insert after:

**Firing Areas**  
(NIMA)

**LAST NM 9/03**

**179**  
10/03

Page 179—Line 30/L; insert after:

**Firing Areas**

**R921** (Port Moresby)—Gunnery area enclosed by a line joining the following positions:

- a. 9°38'00"S, 146°52'00"E.
- b. 9°41'30"S, 146°55'30"E.
- c. 9°55'00"S, 146°50'00"E.
- d. 9°44'00"S, 146°38'30"E.

**R962** (Admiralty Islands)—Gunnery and weapons area enclosed by a line joining the following positions:

- a. 0°47'S, 147°00"E.
- b. 0°47'S, 147°40"E.
- c. 1°47'S, 147°40"E.
- d. 1°47'S, 147°00"E.

(Aus Annual Notice No. 9A of 2003)      **10/03**

**PUB 132**      **9 Ed 2000**

Page 9—Lines 33 to 34/L; strike out.

(11(1032)99 Taunton)      **10/03**

Page 45—Line 4/L; read:

rocks and shoals. A main light with a racon is shown from a structure, 8m

(24(123)02 Istanbul)      **10/03**

**PUB 160**      **2 Ed 2002**

Page 19—Table; replace with below:

New table from back of this Subsection.

(Aus Annual Notice No. 9 of 2003)      **10/03**

Page 20—Table; replace with below:

New table from back of this Subsection.

(Aus Annual Notice No. 9 of 2003)      **10/03**

**LAST NM 2/03**

**10/03**

**LAST NM 8/03**

**10/03**

**LAST NM 9/03**

**10/03**

#### COAST PILOT CORRECTIONS

**COAST PILOT 1**

**32 Ed 2001**

**Change No. 24**

**LAST NM 9/03**

Page 213—Paragraph 664, line 2; read:

the principal deepwater anchorage in the outer harbor. An anchor was lost in about 43°39'23"N., 70°12'49"W., caution is advised. The anchorage ...

(53/02 CG1)      **10/03**

Page 238—Paragraph 463, line 1; read:

**Ipswich Light** (42°41'07"N., 70°45'58"W.), 30 feet above ...  
(48/02 CG1; LL/02)      **10/03**

Page 243—Paragraph 8, lines 1 to 2; read:

**Prominent features.—Eastern Point Light** (42°34'49"N., 70°39'52"W.), 57 feet above the water, is shown from a 36-foot ...  
(48/02 CG1; LL/02)      **10/03**

Page 246—Paragraph 83, line 1; read:

**Bakers Island Light** (42°32'11"N., 70°47'09"W.), 111 feet ...  
(48/02 CG1; LL/02)      **10/03**

Page 254—Paragraph 19, line 3; read:

joined to the mainland by a fill. A sewage treatment facility with numerous egg-shaped holding tanks is a conspicuous landmark on the south part of the island.  
(CL 544/02)      **10/03**

Page 254—Paragraph 25, line 8; read:

**The Graves Light** (42°21'54"N., 70°52'09"W.), 98 feet above the ...  
(48/02 CG1; LL/02)      **10/03**

Page 255—Paragraph 53; read:

**President Roads** is the area between Deer Island and Governors Island Flats, north of Long Island, and north-northeastward of Spectacle Island. North Channel, South Channel, The Narrows, Nubble Channel, and Sculpin Ledge Channel are entrances to Boston Main Channel and converge at President Roads. This is a dense traffic area for fast ferries, merchant ships, tug and barge units, and recreational boaters. Tug and barge units frequent the sewage treatment plant on Deer Island at the northeast end of President Roads. Its northern part is used as a general and quarantine anchorage for ships awaiting berth in Boston or Nantasket Roads. President Roads has depths of 30 to 60 feet with sand and mud bottom. The south part of President Roads is Boston Main Channel and the entrance into Boston Inner Harbor.  
(CL 544/02)      **10/03**

Page 256—Paragraph 67, line 3; read:

**and 110.138**, chapter 2, for limits and regulations.)

(CL 2111/02)      **10/03**

Page 258—Paragraph 100, lines 5 to 6; read:

government for these waters. Pilots for Boston, Mystic, Chelsea River, Quincy, Weymouth, Weymouth Fore River, Back River, Town River, Lynn, Saugus and Saugus River are available from Boston Pilots, Pier ...  
(CL 272/03)      **10/03**

**COAST PILOT 1 (Continued)**

Page 258—Paragraph 100, lines 9 to 11; read: 617-569-4501, 617-962-4670 (night); cable, BOSPILOTS. Internet address: www.bostonpilots.com. The pilot office and boats monitor and work VHF-FM channels 13, 16 and 20. Pilot services are generally arranged ... (CL 272/03)	10/03	This includes “time charterers” and “voyage charterers”. <i>Crewmember</i> means all persons carried on board the vessel to provide navigation and maintenance of the vessel, its machinery, systems, and arrangements essential for propulsion and safe navigation or to provide services for other persons on board.
Page 258—Paragraphs 104 to 107; strike out. (CL 273/03)	10/03	(FR 10/04/01; FR 08/19/02) 10/03
Page 260—Paragraph 161, line 3; read: filled land, is low, flat and quiet extensive. The airport control tower is conspicuous. <b>Governors Island</b> , ... (CL 544/02)	10/03	All vessels 300 gross tons and over, including tug and barge combined are required to obtain permission prior to entering, departing, and/or moving within the Regulation Navigation Area. To obtain permission, vessels shall contact the Joint Harbor Operations Center (JHOC) at least 30 minutes prior to entry or movement via channel 12, alternate 13/16 VHF-FM and relay vessel documentation number, IMO number or VIN for verification. This includes entries from offshore, James River, Chesapeake Bay or Intracoastal Waterway. Alternate JHOC phone numbers are (757) 444-5210/5209. If the JHOC cannot be reached, the Captain of the Port (COTP) Command Duty Officer may be reached at (757) 668-5555.
Page 263—Paragraph 204, line 2; read: (See <b>110.1, 110.30 (e) through (g), and 110.138 (a)(4) and</b> ... (CL 2111/02)	10/03	(02/03 CG5) 10/03
<b>COAST PILOT 3            35 Ed 2002            Change No. 24            LAST NM 3/03</b>		
Page 15—Paragraph 388, line 3 to Paragraph 389, line 3; read: bathymetric map are referred. The tidal datum of <b>Mean Lower Low Water</b> has been used as Chart Datum along the east, west and Gulf coasts, including the coasts of Alaska, Hawaii, the West Indies and other United States and United Nations islands of the Pacific. Mean Lower Low Water is defined as the arithmetic mean ... (CL 68/03; NOS/03)	10/03	Page 202—Paragraph 82, lines 4 to 8; read: harbor. In July 2002, the controlling depth was 5.5 feet in the dredged channel; thence in 1997, about 5 feet to a point 3.5 miles above the entrance. A cluster of submerged piling of a former fishhouse ... (CL 2311/02; BP 179610) 10/03
Page 66—Paragraph 1164, line 3 to Paragraph 1189; read: and handled without mark or count. <i>Certain dangerous cargo</i> includes any of the following: (a) Division 1.1 or 1.2, explosive materials, as defined in 49 CFR 173.50. (b) Division 5.1, Oxidizing materials, or Division 1.5, blasting agents, for which a permit is required under 49 CFR 176.415, or for which a permit is required as a condition of a Research and Special Programs Administration exemption. (c) Division 4.3, Spontaneously Combustible products in excess of 60 metric tons per vessel. (d) Division 6.1, Poison-Inhalation Hazard, products in bulk packagings. (e) Class 7, highway route controlled quantity radioactive material, or fissile material, controlled shipment, as defined in 49 CFR 173.403. (f) Each cargo under Table 1 of 46 CFR part 153 when carried in bulk. (g) Each cargo under Table 4 of 46 CFR part 154 when carried in bulk. (h) Butylene Oxide, Chlorine, and Phosphorous, elemental when carried in bulk. <i>Charterer</i> means the person or organization that contracts for the majority of the carrying capacity of a ship for the transportation of cargo to a stated port for a specified period.	10/03	Page 202—Paragraph 95, lines 4 to 6; read: April 2002, the controlling depths were 6 feet in the left half of the entrance channel and 1.2 feet in the right half of the entrance channel to Daybeacon 6A, thence 5.2 feet to the basin, thence 6 feet in the basin ... (48/02 CG5; CL 2043/02; BP 179413) 10/03
Page 206—Paragraph 179, line 1; read: <b>Great Wicomico River Light</b> (37°48'12"N., 76°15'59"W.), ... (02/03 CG5; LL/02)	10/03	Page 206—Paragraph 179, line 1; read: <b>Great Wicomico River Light</b> (37°48'12"N., 76°15'59"W.), ... (02/03 CG5; LL/02) 10/03
Page 215—Paragraph 103, lines 8 to 9; read: to the basin, except for shoaling to 3.2 feet on the east edge of the channel off <b>Gum Bar Point</b> , thence 6 ... (02/03 CG5; BPs 154603-04)	10/03	Page 215—Paragraph 103, lines 8 to 9; read: to the basin, except for shoaling to 3.2 feet on the east edge of the channel off <b>Gum Bar Point</b> , thence 6 ... (02/03 CG5; BPs 154603-04) 10/03
Page 215—Paragraph 125, line 1; read: <b>Maryland Point Light</b> (38°20'59"N., 77°11'51"W.), Mile ... (51/02 CG5; LL/02)	10/03	Page 215—Paragraph 125, line 1; read: <b>Maryland Point Light</b> (38°20'59"N., 77°11'51"W.), Mile ... (51/02 CG5; LL/02) 10/03
Page 268—Paragraph 28; read: Distances Between United States Ports (available on the internet only at <a href="http://chartmarker.ncd.noaa.gov/nsd/ports">http://chartmarker.ncd.noaa.gov/nsd/ports</a> .		Page 268—Paragraph 28; read: Distances Between United States Ports (available on the internet only at <a href="http://chartmarker.ncd.noaa.gov/nsd/ports">http://chartmarker.ncd.noaa.gov/nsd/ports</a> .

**COAST PILOT 3 (Continued)**

html.) (01/03 CG7)	10/03	ning at 21°16'20.1"N., 158°04'59.1"W.; thence to 21°15'52.5"N., 158°05'07.0"W.; thence to 21°15'59.7"N., 158°05'35.9"W.; thence to 21°16'27.4"N., 158°05'28.0"W.; thence to the point of beginning. (Datum NAD 83)
<b>COAST PILOT 5            30 Ed 2003            Change No. 4</b> <b>LAST NM 6/03</b>		(4) <i>Nonanchorage area B.</i> The waters extending 300 feet on either side of a line bearing 334.5° from anchorage B to the shoreline at 21°17'39.1"N., 158°06'03.2"W. (Datum NAD 83)
Page 348—Paragraph 160, lines 3 to 4; read: the first fixed highway bridge. In September 2002, the controlling depth was 7.0 feet (8.0 feet at midchannel). The highway bridge ... (CL 147/03; CO 030/00)	10/03	(5) <i>Anchorage C.</i> The waters enclosed by a line begin- ning at 21°16'46.6"N., 158°04'29.1"W.; thence to 21°16'46.6"N., 158°04'02.1"W.; thence to 21°16'32.6"N., 158°04'02.1"W.; thence to 21°16'32.6"N., 158°04'29.1"W.; thence to the point of beginning. (Datum NAD 83)
Page 353—Paragraph 249, lines 3 to 4; read: for about 2 miles to another turning basin. In July 2002, the controlling depth was 38 feet (40 feet at midchannel) in the channel and 32 to 40 feet in the basin. The ... (CL 147/03; CO 030/00)	10/03	(6) <i>Nonanchorage area C.</i> The waters extending 300 feet on either side of a line bearing 306° from anchorage C to the shoreline at 21°17'42.6"N., 158°05'57.9"W. (Datum NAD 83)
Page 357—Paragraph 316, lines 6 to 8; read: small settlement about 7 miles up the bayou. In July 2002, the controlling depth was 5.5 feet to Light 27, thence 1.0 foot (1.6 feet at midchannel) to the railroad bridge. (CL 147/03; CO 030/00)	10/03	(7) <i>Anchorage D.</i> The waters enclosed by a line begin- ning at 21°17'48.6"N., 158°07'10.1"W.; thence to 21°17'44.6"N., 158°07'06.1"W.; thence to 21°17'37.6"N., 158°07'14.1"W.; thence to 21°17'41.6"N., 158°07'18.1"W.; thence to the point of beginning. (Datum NAD 83) (FR 06/18/02)
Page 374—Paragraph 163, line 4; read: <b>Kinney Bayou.</b> In June 2002, the controlling depth was 16 feet in ... (CL 147/03; CO 030/00)	10/03	10/03
Page 378—Paragraph 268, line 3; read: June 2002, the controlling depth was 16 feet in the channel; ... (CL 147/03; CO 030/00)	10/03	Page 82—Paragraph 1412, lines 3 to 4; read: circle having a radius of 300 yards centered at 21°56' 50.7"N., 159°41'22.9"W. (Datum NAD 83). (FR 06/18/02)
<b>COAST PILOT 7            34 Ed 2002            Change No. 3</b> <b>LAST NM 3/03</b>		10/03
Page 15—Paragraph 399, line 3 to Paragraph 400, line 3; read: bathymetric map are referred. The tidal datum of <b>Mean Lower Low Water</b> has been used as Chart Datum along the east, west and Gulf coasts, including the coasts of Alaska, Hawaii, the West Indies and other United States and United Nations islands of the Pacific.		Page 91—Paragraph 1724, line 1; read: (2) The draw of the South Park ... (FR 06/18/02)
Mean Lower Low Water is defined as the arithmetic mean ... (CL 68/03)	10/03	10/03
Page 81—Paragraphs 1380 to 1401; read: <b>§110.236 Pacific Ocean Off Barbers Point, Island of Oahu, Hawaii: Offshore pipeline terminal anchorages.</b>		Page 91—Paragraph 1729, line 1; read: (4) South Park highway bridge, mile 3.8, one prolonged ... (FR 06/18/02)
(a) <i>The anchorage ground</i> —(1) <i>Anchorage A.</i> The waters within an area described as follows: A circle of 1,000 feet radius centered at 21°17'43.6"N., 158°07'36.1"W. (Datum NAD 83)		10/03
(2) <i>Nonanchorage area A.</i> The waters extending 300 feet on either side of a line bearing 059° from anchorage A to the shoreline at 21°18'10.6"N., 158°06'47.1"W. (Datum NAD 83)		Page 117—Paragraph 2585, line 10; read: (G-MWV), Room 2100, 2100 Second Street, SW., Washing- ton, ... (FR 06/18/02)
(3) <i>Anchorage B.</i> The waters enclosed by a line begin-		10/03
		Page 208—Paragraph 72, line 9; read: of San Nicholas Island. (NOS/02)
		10/03
		Page 208—Paragraph 87, lines 2 to 3; read: 195 feet above the water, is shown from a post located on the NE point of the ... (38/02 CG11; LL/02)
		10/03

**COAST PILOT 7 (Continued)**

Page 275—Paragraph 147, line 4 to Paragraph 148, line 4; read:

apart. **Blunts Reef Lighted Bell Buoy 2B** ( $40^{\circ}26'24"N.$ ,  $124^{\circ}30'19"W.$ ), is an exposed location buoy (ELB) 1.7 miles WSW of the outer rock. The currents at the buoy are described in the Tidal Current Tables.

The area as far W as Blunts Reef Lighted Buoy 2B and for about 4 miles N and S of Cape Mendocino includes dangerous rocks and covered ledges. Vessels should not attempt the passage between Blunts Reef Lighted Bell Buoy 2B and the cape under any circumstances.

(43/02 CG11; LL/02)

10/03

Page 333—Paragraph 215, line 2; read:

above the water, is shown from a 57-foot white conical tower on a white ...

(38/02 CG13; LL/02)

10/03

Page 471—Paragraph 28; read:

Distances Between United States Ports (available on the internet only at <http://chartmaker.ncd.noaa.gov/nsd/ports.html>.)

(01/03 CG7)

10/03

**COAST PILOT 7****34 Ed 2002****Change No. 4**

Page 254—Paragraph 468, line 1; read:

A lighted buoy is off **Point Stuart**, the W extremity of Angel Island.

(46/02 CG11; LL/02)

10/03

Page 254—Paragraph 470, line 6; read:

Raccoon Strait Lighted Buoy 4. A strong ebb current sets directly across the ...

(46/02 CG11; LL/02)

10/03

Page 342—Paragraph 147, lines 5 to 6; read:

for barging clay to Seattle.

(35/02 CG13; LL/02)

10/03

Page 357—Paragraph 358, line 6; read:

to 14 feet in 1997. In 2002, it was reported that lesser depths

may exist in the W side of the entrance to the marina; local knowledge is encouraged prior to entering the channel. Gasoline, diesel fuel, water, ice, about 250 ...

(CL 277/03)

10/03

Page 367—Paragraph 37, lines 7 to 8; read:

$48^{\circ}05'28"N.$   $122^{\circ}41'23"W.$  **Marrowstone Point Light** ( $48^{\circ}06'06"N.$ ,  $122^{\circ}41'16"W.$ ), 28 feet above the water, is shown from a 20-foot ...

(LL/02; 51/02 CG13)

10/03

Page 373—Paragraph 122, line 5; read:

( $47^{\circ}39'43"N.$ ,  $122^{\circ}26'09"W.$ ), 27 feet above the water, is shown ...

(35/02 CG13; LL/02)

10/03

Page 395—Paragraph 343, line 1; read:

The passage is obstructed by a shoal, marked by a light, ...

(LL/02)

10/03

Page 444—Paragraph 715, line 1; read:

A weapons training range **danger zone**, marked by lighted and un-lighted buoys, extends NNE ...

(41/02 CG14)

10/03

Page 450—Paragraph 843, lines 4 to 5; read:

bay. **Kahala Point Light** ( $22^{\circ}08.8'N.$ ,  $159^{\circ}17.7'W.$ ), 40 feet above the water, is shown from an 18-foot steel pole with a black ...

(41/02 CG14; LL/02)

10/03

**COAST PILOT 9****20 Ed 2002****Change No. 13  
LAST NM 9/03**

Page 235—Paragraph 584, lines 4 to 5; read:

In August 2002, the controlling depth in the entrance channel was 14 feet with 11.6 to 15 feet in the basin and alongside the piers.

(BP 179404)

10/03

Page 256—Paragraph 264, line 2; read:

Iliuliuk Bay and Harbor. In July 2002, the midchannel ...

(BP 179640)

10/03

## SECTION II

NM 10/03

### WORLD PORT INDEX CORRECTIONS

**PUB 150**

**17 Ed 2000**

**LAST NM 7/03**

#### EVEN PAGE CORRECTIONS

INDEX NUMBER	PORT	COUNTRY CODE	LATITUDE	LONGITUDE	PUBLICATION	CHART	HARBOR SIZE	HARBOR TYPE	SHELTER	TIDE	SWELL	ICE	OTHER	OVERHEAD LIMITS	CHANNEL	ANCHORAGE	CARGO PIER	OIL TERMINAL	TIDE	MAX SIZE VESSEL	GOOD HOLDING GROUND	TURNING AREA	
14450	CONSTITUCION		<i>Remove from list.</i>		*																		10/03
14530	PAPUDO		<i>Remove from list.</i>		*																		10/03
14890	PUERTO DE SAN JUAN		<i>Remove from list.</i>		*																		10/03
15060	HUANCHACO		<i>Remove from list.</i>		*																		10/03
15070	PUERTO MALABRIGO	PE	0742S	07927W	125	22138	V	OR	P	N	N	N			K	03	M						10/03
	*																						
15215	LOS ORGANOS		<i>Remove from list.</i>		*																		10/03
15220	CONTRALMIRANTE VILLAR	PE	0340S	08040W	125	22004	V	OR	P	N	N	N	Y	N	N	O	05						10/03
	*																						
15275	PTO MARITIMO DE QUAYAQUIL	EC	0217S	07954W	125	22113	S	RN	E	Y	N	N	Y	N	L	J	11						10/03
	*																						
15320	BAHIA DE CARAQUEZ	EC	0035S	08025W	125	22087	V	RN	G	N	N	N	Y	N	M	H		07					10/03
	*																						
15345	BAHIA DE NAUFRAGIO	EC	0054S	08937W	125	22521	V	OR	F	N	N	N	Y	N	M		05	M	Y				10/03
	*																						

**RESTRICTED AND DANGER AREAS WITH ASSOCIATED AIRSPACE  
SOUTH AUSTRALIA**

Area	Name	Nature of Activity	Times of Use	Area limits bound by lines joining positions stated, unless otherwise indicated	Chartlet No.
YMMM/R252	Alamein	Artillery firing	NOTAM	(a) 32°40'30"S, 137°47'30"E. (b) 32°47'00"S, 137°51'00"E. (c) 32°55'00"S, 137°51'00"E. (d) 32°59'00"S, 137°47'30"E. (e) 32°59'00"S, 137°42'53"E., then along the coast to (f) 32°57'00"S, 137°39'30"E. (g) 32°55'00"S, 137°37'30"E. (h) 32°40'30"S, 137°37'50"E.	10
YMMM/R254	North East Rock	Firing	NOTAM	35°07'00"S, 136°21'43"E; then the major arc of a circle 7 NM in radius centered on 35°04'30"S, 136°29'40"E, to 35°07'00"S, 136°37'37"E.	10
YMMM/R279	Edinburgh	Military flying and firing	NOTAM	35°18'08"S, 136°52'48"E; then N along the coast of the Yorke Peninsula to 34°58'12"S, 137°46'05"E; 34°57'38"S, 138°03'31"E; then the minor arc of a circle 23 NM in radius centered on Adelaide DME (34°56'49"S, 138°31'28"E) to 35°05'02"S, 138°05'19"E; 35°35'27"S, 137°23'33"E; then W along the N coast of Kangaroo Island, to 35°43'19"S, 136°43'13"E; then the minor arc of a circle 100 NM in radius centered on Adelaide DME to 35°21'44"S, 136°33'21"E.	10
YMMM/R295	Port Wakefield	Firing	H24	<b>R295A</b> a. 34°27'06"S, 138°08'30"E. b. 34°13'30"S, 138°08'30"E. c. 34°13'30"S, 138°11'59"E., then SE along Port Wakefield Road to d. 34°19'57"S, 138°16'15"E. e. 34°25'18"S, 138°16'06"E. f. 34°27'15"S, 138°13'29"E.	10
		Firing	NOTAM	<b>R295B</b> a. 34°27'06"S, 138°08'30"E. b. 34°13'30"S, 138°08'30"E. c. 34°13'30"S, 138°11'59"E., then SE along Port Wakefield Road to d. 34°19'57"S, 138°16'15"E. e. 34°25'18"S, 138°16'06"E. f. 34°27'15"S, 138°13'29"E.	10
		Firing	NOTAM	<b>R295C</b> a. 34°25'47"S, 138°15'27"E. b. 34°29'30"S, 138°16'30"E. c. 34°29'30"S, 138°08'30"E. d. 34°27'06"S, 138°08'30"E. e. 34°27'15"S, 138°13'29"E.	10

**RESTRICTED AND DANGER AREAS WITH ASSOCIATED AIRSPACE  
SOUTH AUSTRALIA**

<b>Area</b>	<b>Name</b>	<b>Nature of Activity</b>	<b>Times of Use</b>	<b>Area limits bound by lines joining positions stated, unless otherwise indicated</b>	<b>Chartlet No.</b>
YMMM/R295	Port Wake-field	Firing	NOTAM	<b>R295D</b> a. 34°29'30"S, 138°16'30"E. b. 34°34'00"S, 138°18'00"E. c. 34°34'00"S, 138°08'30"E. d. 34°29'30"S, 138°08'30"E.	10
		Firing	NOTAM	<b>R295E</b> a. 34°24'00"S, 138°03'30"E. b. 34°13'30"S, 138°03'30"E. c. 34°13'30"S, 138°08'30"E. d. 34°24'00"S, 138°08'30"E.	10
		Firing	NOTAM	<b>R295F</b> a. 34°15'00"S, 137°54'00"E. b. 34°09'00"S, 138°00'00"E. c. 34°09'00"S, 138°05'00"E. d. 34°13'30"S, 138°11'59"E. e. 34°13'30"S, 138°03'30"E. f. 34°24'00"S, 138°03'30"E. g. 34°24'00"S, 138°08'30"E. h. 34°34'00"S, 138°08'30"E. i. 34°34'00"S, 138°06'30"E.	10

PUB 160

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7475 16190	GREAT WICOMICO RIVER LIGHT	37 48 12 N 76 15 59 W	Fl W 6s (2 R sectors)	42	W R 9 7	NR on skeleton tower.	Red from 315.5° to 062° and from 107° to 232°.
		*					10/03
	<b>James River</b>						
11895	- Channel Lighted Buoy 27 50 feet outside channel limit.		Fl G 4s		4	Green.	
		*					10/03
11903	- Channel Lighted Buoy 29 50 feet outside channel limit.		Q G		4	Green.	
		*					10/03
	<b>Great Wicomico River</b>						
16180	- Lighted Buoy 1GW	37 46 54 N 76 12 13 W	Fl G 4s		4	Green.	
		*					10/03
7475	- LIGHT	37 48 12 N 76 15 59 W	Fl W 6s (2 R sectors)	42	W R 9 7	NR on skeleton tower.	Red from 315.5° to 062° and from 107° to 232°.
							10/03
16205	MILL CREEK ENTRANCE LIGHT 2MC	37 47 36 N 76 17 41 W	Fl R 4s	15	3	TR on pile	
		*					10/03
16255	COCKRELL CREEK LIGHT 1	37 49 12 N 76 17 05 W	Fl G 4s	15	4	SG on pile.	
		*					10/03
16355	- LIGHT 4		Q R	15	3	TR on pile.	
		*					10/03
	<b>Slough Creek</b>						
16380	- Daybeacon 1S	37 53 20 N 76 14 57 W			SG on pile.		
		*					10/03
16395	- Daybeacon 4					Remove from list.	
		*					10/03
	<b>Ellyson Creek</b>						
16430	- Channel Daybeacon 1E	37 53 40 N 76 15 51 W			SG on pile.		
		*					10/03
16545	- LIGHT 2	38 03 00 N 76 19 46 W	Fl (2) R 5s	18	3	TR on pile.	
		*					10/03

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

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16585	- ENTRANCE LIGHT 5		Fl G 4s	15	4	SG on multi-pile structure.	
				*			10/03
	<b>Smith Creek</b>						
16640	- APPROACH LIGHT 2	38 05 31 N 76 24 15 W	Q R	15	5	TR on multi-pile structure.	
		*			*		10/03
16645	- LIGHT 3	38 06 01 N 76 24 15 W	Fl G 2.5s	17	3	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15.
							10/03
	<b>St. Marys River</b>						
16660	- Junction Lighted Buoy SM	38 04 30 N 76 26 00 W	Fl (2+1) R 6s		4	Red and green bands.	Replaced by nun when endangered by ice.
				*			10/03
16665	ST GEORGE CREEK JUNCTION LIGHT A	38 07 16 N 76 27 29 W	Fl (2+1) R 6s	18	4	JR on pile.	
		*					10/03
16687	ST. INIGOES CREEK LIGHT 2S1	38 09 33 N 76 25 42 W	Q R	15	3	TR on pile.	
				*			10/03
	<b>Island Creek Channel</b>						
	<i>All aids located 25 feet outside channel limit.</i>						
16695	- LIGHT 1	38 06 41 N 76 27 47 W	Fl G 4s	18	4	SG on multi-pile structure.	
		*			*		10/03
	<b>St. George Creek</b>						
16735	- LIGHT 2	38 07 22 N 76 27 56 W	Fl R 4s	15	3	TR on pile.	
		*		*			10/03
16740	- LIGHT 3	38 07 53 N 76 28 54 W	Fl G 4s	17	3	SG on pile.	
		*					10/03
16745	- LIGHT 4	38 08 04 N 76 29 19 W	Fl R 2.5s	17	3	TR on pile.	
		*					10/03
16750	- LIGHT 6	38 08 24 N 76 29 48 W	Fl R 4s	15	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*					10/03

\*18675.1 - Buoy WR 6A Red nun.

10/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
37105	- LIGHT 38		Fl R 4s	15	3	TR-TY on pile.	*

10/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
775	Hillsboro Inlet Light	26 15 33 N 80 04 51 W	Fl (2) W 20s	136	28	Octagonal pyramidal iron skeleton tower with central stair cylinder, lower third of structure white, upper two-thirds black.	Obscured from 015° to 186°.

\*

10/03

9245 - BAR LIGHT 3

*Remove from list.*

\*

10/03

\*Add Heading:  
\*Englewood Channel

\*57359.1 - Daybeacon 2

26 56 12 N  
82 21 20 W

TR on pile.

Private aid.

10/03

\*57359.2 - Daybeacon 3

SG on pile.

Private aid.

10/03

\*57359.3 - Daybeacon 4

TR on pile.

Private aid.

10/03

\*57359.4 - Daybeacon 6

TR on pile.

Private aid.

10/03

\*57359.5 - Daybeacon 8

TR on pile.

Private aid.

10/03

\*57359.6 - Daybeacon 10

TR on pile.

Private aid.

10/03

\*57359.7 - Daybeacon 12

TR on pile.

Private aid.

10/03

60525.5 - LIGHT 5  
24715.527 42 30 N  
82 36 36 W

Fl G 4s

16

4

SG on pile.

\*

10/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
328	NOAA Lighted Buoy 420TP						<i>Remove from list.</i>

\*

10/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
515	<i>Continental 104-29 Lighted Buoy</i> Marks subsea installation.						<i>Remove from list.</i>
							*
							10/03
520	<i>Continental 104-27 Lighted Buoy</i> Marks subsea installation.						<i>Remove from list.</i>
							*
							10/03
870	<i>Dixilyn 103-2 Lighted Horn Buoy</i> Marks subsea installation.						<i>Remove from list.</i>
							*
							10/03
875	<i>Dixilyn 103-1 Lighted Horn Buoy</i> Marks subsea installation.						<i>Remove from list.</i>
							*
							10/03
1320	<i>OXY USA 108-5 Lighted Horn Buoy</i> Marks subsea installation.						<i>Remove from list.</i>
							*
							10/03
2085	- LIGHT 8		<b>Fl R 2.5s</b>	15	3	TR on dolphin.	
				*			
							10/03
<b>Section Base Channel</b>							
3405	- RANGE FRONT LIGHT	30 10 12 N 85 45 21 W	<b>Q G</b>	20		KRW on skeleton tower.	Visible all around; higher intensity on rangefine.
		*		*		*	
							10/03
5295 6200	THEODORE SHIP CHANNEL LIGHT 1	30 28 39 N 88 01 08 W	<b>Q G</b>	17	3	SG on pile.	Ra ref.
		*					
							10/03
5505	SPANISH RIVER LIGHT	30 46 16 N 88 01 23 W	<b>Fl R 2.5s</b>	17	3	TR on pile.	Ra ref.
		*	*				
							10/03
5510	TWELVE MILE ISLAND LIGHT	30 47 06 N 88 00 40 W	<b>Fl R 2.5s</b>	17	3	TR on dolphin.	Ra ref.
		*	*				
							10/03
<b>Bayou Bonfouca Channel</b>							
9740	- LEADING LIGHT	30 14 59 N 89 51 58 W	<b>Iso W 6s</b>	15	6	NB on dolphin.	Visible all around; higher intensity down channel.
		*		*			
							10/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Tchefuncte River</b>							
10140	- RANGE FRONT LIGHT	30 22 43 N 90 10 10 W	Q W	17		KRW on dolphin.	Visible all around; higher intensity on rangeline.
		*		*			10/03
10680	- LIGHT 25	29 31 18 N 89 10 00 W	Fl G 6s	17	4	SG on pile.	
				*			10/03
11005	- LIGHT 102		Fl R 2.5s	17	4	TR on skeleton tower on piles.	
				*			10/03
11010	- LIGHT 103 150 feet outside channel limit.		Q G	17	4	SG on skeleton tower on piles.	
				*			10/03
11015	- LIGHT 104		Q R	17	3	TR on skeleton tower on piles.	
				*	*		10/03
11150 33140	- LIGHT 130 150 feet outside channel limit.		Fl R 2.5s	20	4	TR-TY on skeleton tower on piles.	
				*			10/03
12595	OLD GRAND BAYOU LIGHT 10		Iso R 6s	35	5	TR on skeleton tower on piles.	
				*			10/03
12725	- LIGHT 5		Iso G 6s	43	6	SG on skeleton tower on piles.	
				*			10/03
12870	- HEAD RANGE FRONT LIGHT	29 07 55 N 89 15 24 W	F W	35		KRW on skeleton tower on piles. Visible 2° each side of rangeline.	
		*		*			10/03

### MISSISSIPPI RIVER DELTA (Chart 11361)

#### Head of Passes to New Orleans

*Designations left descending bank (LDB) and right descending bank (RDB) are as seen from a vessel going downstream.  
Mileage given indicates the number of miles above Head of Passes Junction Light.*

12900	HEAD OF PASSES JUNCTION LIGHT		Fl (2+1) R 6s	50	5	JR on skeleton tower on piles.	Higher intensity beam up river. HÖRN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). Continuously from Nov. 1 to Apr. 30.
12905	HEAD OF PASSES EAST JETTY LIGHT	29 09 06 N 89 14 59 W	Iso R 6s	45	6	TR on piles.	
		*		*	*		10/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12910	CUBITS GAP RANGE FRONT LIGHT	29 10 00 N 89 15 13 W	Q G	21		KRW on skeleton tower on piles. Visible 2° each side of rangeline.	
		*		*			10/03
<b>TIMBALIER AND TERREBONNE BAYS (Chart 11357)</b>							
Lake Pelto							
17350	CALIFORNIA CANAL ENTRANCE LIGHT C	29 03 39 N 90 42 18 W	Fl W 6s	10	4	NG on piles.	Ra ref.
		*					10/03
*17540	- Buoy 28					Red nun.	
							10/03
21130	- Daybeacon 12	30 13 16 N 93 16 41 W				TR on pile.	
		*					10/03
21590	- LIGHT 37	29 44 00 N 93 52 22 W	Q G	17	5	SG on pile.	
		*					10/03
*29653	- Buoy 2					Red nun.	
							10/03
33140 11150	- LIGHT 130 150 feet outside channel limit.		Fl R 2.5s	20	4	TR-TY on skeleton tower on piles.	
				*			10/03
36280	- LIGHT 38		Fl R 4s	17	3	TR on pile.	Ra ref.
				*			10/03
36435	- LIGHT 2 90 feet outside channel limit.		Q R	17	4	TR-TY on pile.	Ra ref.
				*			10/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
213	NOAA Environmental Lighted Buoy EB 46023	32 42 12 N 120 57 25 W	Fl (4) Y 20s			Yellow disk-shaped buoy.	
		*					10/03
4520	- BREAKWATER LIGHT B					Remove from list.	
							*
4530	- BREAKWATER LIGHT D					Remove from list.	
							*
							10/03

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## **SECTION II**

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4540	- BREAKWATER LIGHT F						Remove from list.
						*	10/03
16385	Partridge Bank Buoy 1	48 15 32 N 122 50 12 W				Green can.	
		*					10/03
16395	<i>Point Partridge Lighted Bell Buoy 5</i>	48 13 15 N FI G 4s 122 47 00 W			5	Green.	
		*			*		10/03
<b>Strait of Juan De Fuca</b>							
16460	Protection Island Southwest Spit Buoy 1	48 06 52 N 122 57 54 W				Green can.	
		*					10/03
16465	McCurdy Point Buoy 4	48 08 42 N 122 50 40 W				Red nun.	
		*					10/03
16510	<i>Puget Sound Traffic Lane Separation Lighted Buoy SC</i>	48 01 51 N FI Y 4s 122 38 10 W			4	Yellow.	
		*					10/03
16525	<i>Double Bluff Lighted Buoy 1</i>	47 57 58 N FI G 4s 122 33 16 W			4	Green.	
		*					10/03
16530	<i>Puget Sound Traffic Lane Separation Lighted Buoy SD</i>	47 57 52 N FI Y 4s 122 34 47 W			6	Yellow.	
		*					10/03
16840	Smith Cove Buoy 1	47 37 42 N 122 23 05 W				Green can.	
		*					10/03
17085	<i>Puget Sound Traffic Lane Separation Lighted Buoy TC</i>	47 19 29 N FI Y 4s 122 27 23 W FI Y 2.5s			6	Yellow.	High intensity flash tube FI Y 2.5s.
		*					*
17350	<i>Nisqually Flats Lighted Buoy 1</i>	47 06 43 N FI G 2.5s 122 41 54 W			5	Green.	
		*					10/03
17360	<i>Nisqually Flats Lighted Buoy 3</i>	47 07 20 N FI G 4s 122 45 06 W			5	Green.	
		*					10/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17745	PORT GAMBLE LIGHT 1	47 51 44 N 122 34 37 W	F I G 4s	15	4	SG on dolphin.	
				*			10/03
*17956	Manzanita Bay Regulatory Buoy A	47 40 29 N 122 33 59 W				White with orange markings.	Private aid.
							10/03
*17957	Manzanita Bay Regulatory Buoy B	47 40 12 N 122 34 05 W				White with orange markings.	Private aid.
							10/03
*17958	Manzanita Bay Regulatory Buoy C	47 40 12 N 122 34 00 W				White with orange markings.	Private aid.
							10/03
*17959	Manzanita Bay Regulatory Buoy D	47 39 55 N 122 34 06 W				White with orange markings.	Private aid.
							10/03
18205	- Lighted Buoy 11	47 38 37 N 122 20 01 W	F I G 6s		4	Green.	
			*		*		10/03
18295	Kenmore Channel Lighted Buoy 2	47 45 08 N 122 15 47 W	F I R 2.5s		3	Red.	
			*				10/03
18300	Kenmore Channel Lighted Buoy 4	47 45 14 N 122 15 40 W	F I R 4s		3	Red.	
			*				10/03
18865	- Buoy 20	48 25 12 N 122 30 02 W				Red nun.	
			*				10/03
19025	- Lighted Gong Buoy 5	48 33 32 N 122 34 28 W	F I G 4s		4	Green.	
			*				10/03
19077	- Buoy 3	48 30 35 N 122 33 07 W				Green can.	
			*				10/03
19095	- Buoy 8	48 29 37 N 122 32 38 W				Red nun.	
			*				10/03
19100	- Buoy 12	48 29 06 N 122 32 14 W				Red nun.	
			*				10/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19140	- Buoy 28	48 27 50 N 122 31 11 W				Red nun.	
		*					10/03
19150	- Buoy 29	48 27 51 N 122 31 07 W				Green can.	
		*					10/03
19190	- Buoy 8	48 36 16 N 122 37 48 W				Red nun.	
		*					10/03
19256	I. and J. Waterway Buoy 2	48 45 02 N 122 29 57 W				Red nun.	
		*					10/03
19285	- <i>Rocks Junction Lighted Buoy</i> Marks south edge of rocks.	48 40 25 N 122 35 28 W	Fl (2+1) R 6s		5	Red and green bands.	
		*					10/03
19475	<i>Lydia Shoal Lighted Gong Buoy 13</i>	48 35 58 N 122 46 45 W	Q G		4	Green.	
		*			*		10/03
19505	<i>Sinclair Island Lighted Bell Buoy 4</i>	48 38 17 N 122 40 05 W	Fl R 2.5s		5	Red.	
		*			*		10/03
19775	<i>Danger Shoal Lighted Horn Buoy</i> Southwest of shoal.	48 38 18 N 123 10 57 W	Fl (2+1) G 6s		5	Green and red bands.	HORN: 1 blast ev 30s (3s bl).
		*			*		10/03
30885	- <i>Channel Lighted Buoy 3</i>	15 13 36 N 145 42 15 E	Fl G 2.5s		4	Green.	
		*					10/03

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## SECTION II

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*2609 - Isla Martinez. Rocas G 1322.1	Isla Martinez. Rocas Centinela.	54° 54.7' S 68° 18.1' W	Fl.(2)G. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	20 6	2	White metal pillar, green top; 10. Visible 336°-241°.	
5868 -Point Danger, Captain Cook K 2845	Point Danger, Captain Cook Memorial.	28° 09.9' S 153° 33.0' E	Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	146 44	11	White concrete tower in four columns; 67. Floodlit.	Visible 170°-330°.
*	*	*	*	*	*		10/03
5869 -N. breakwater, head. K 2846.2	N. breakwater, head.	28° 10.1' S 153° 33.3' E	Oc.G. period 3s	30 9	8		
5869.1 -S. breakwater, head. K 2846.4	S. breakwater, head.	28° 10.2' S 153° 33.3' E	Q.R.	30 9	8		
9349.3 -Rear, 260 meters 160° from K 1685.59 common front.		*		*			10/03
9349.6 -Rear, 235 meters 136° from K 1685.61 common front.				*			Remove from list. 10/03
11272 -McCoy Cove. G 5836.2	McCoy Cove.	53° 02.1' N 131° 39.2' W	F.W.R.G.	15 5	6	Square skeleton tower. G. 082°-090°, W.-092°, R.-101°. White sector indicates preferred channel.	
11316 -Cape St. James. G 5826	Cape St. James.	51° 56.2' N 131° 00.9' W	Fl.W. period 5s	315 96	16	Mast.	
11412 Refuge Island Boat Harbor. G 5847.8	Refuge Island Boat Harbor.	54° 07.0' N 132° 19.0' W	Dir.F.W.R.G.	16 5	7	Square skeleton tower. R. 206°-213°, W.-216°, G.-223°. White sector indicates preferred channel.	
11676 -Roberson Point. G 5803.4	Roberson Point.	54° 19.4' N 130° 24.5' W	F.W.R.G.	9 3	7	Square skeleton tower, orange daymark, black stripe. R. 110°30'-114°, W.-118°, G.-124°. White sector marks the channel.	
11692 -North Rachael Island. G 5806	North Rachael Island.	54° 12.8' N 130° 33.4' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	32 10	6	White round tower.	
		*	*	*	*		10/03

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## SECTION II

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11700 <i>G 5772.5</i>	Greentop Islet.	54° 10.7' N 130° 24.6' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	43 13	7	White round tower.	
				*			10/03
	CHATHAM SOUND:						
11704 <i>G 5772</i>	-Holland Rock.	54° 10.4' N 130° 21.6' W	Fl.(3)W. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	6	Square skeleton tower.	
				*			10/03
11740 <i>G 5758.4</i>	Havelock Rock.	54° 06.0' N 130° 29.0' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	15 5	6	White round tower.	
				*	*		10/03
11744 <i>G 5758</i>	-Useless Point, Edye Passage.	54° 02.4' N 130° 33.7' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	19 6	6	White round tower.	
				*			10/03
11752 <i>G 5768</i>	-Genn Island.	54° 05.9' N 130° 17.5' W	Fl.R. period 6s fl. 0.5s, ec. 5.5s	30 9		White round tower, red band at top.	
			*		*		10/03
11756 <i>G 5763</i>	De Horsey Island.	54° 07.9' N 130° 07.3' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	19 6	6	Skeleton tower, white daymark.	
				*			10/03
11760 <i>G 5773</i>	Inverness Passage.	54° 11.9' N 130° 15.7' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	12 4	6	Square skeleton tower.	
				*	*		10/03
11774 <i>G 5761.4</i>	North Hanmer Island.	54° 03.8' N 130° 14.6' W	Q.W.	19 6	5	Square skeleton tower.	
				*	*		10/03
	GRENVILLE CHANNEL:						
11780 <i>G 5746</i>	-Walson Rock.	53° 55.4' N 130° 10.3' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	12 4	6	White round tower.	
				*	*		10/03
11784 <i>G 5745</i>	-Pitt Point.	53° 53.0' N 130° 06.6' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	14 4	6	Square skeleton tower.	
				*			10/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3144 <i>F 7137.2</i>	-Kurube Ko, N. breakwater.	36° 53.4' N 137° 24.9' E	F.F.I.G. period 5s	43 13	F. 3 Fl 7	White cylindrical concrete tower; 33.	
		*		*	*		10/03
7524 <i>F 5815.5</i>	Naruyama Shima.	34° 17.3' N 134° 57.7' E	Q.(3)W. period 10s	62 19	10	E. CARDINAL BYB, beacon, topmark; 56.	
		*		*	*		10/03
9804 <i>F 5340.6</i>	Oseto No. "3" Range, front.	33° 55.0' N 130° 56.4' E	F.Y.	85 26	13	White cylindrical concrete tower, triangular topmark; 61.	
		*	*		*		10/03
9808 <i>F 5340.61</i>	-Rear, 340 meters 059° from front.	33° 55.0' N 130° 56.5' E	F.Y.	138 42	13	White cylindrical concrete tower, triangular daymark; 42.	
		*			*		10/03
9824 <i>F 5340.31</i>	-Rear, 140 meters 112° from front.	33° 53.9' N 130° 55.3' E	F.Y.	98 30	13	White cylindrical concrete tower, triangular daymark; 92.	
		*			*		10/03
12324 <i>F 5272.4</i>	-Breakwater.	33° 40.9' N 130° 14.1' E	Fl.(2)R. period 7s	39 12	7	White cylindrical concrete structure; 28.	
		*			*		*
							10/03
SHEN AO OIL HARBOR:							
13664 <i>F 4692.4</i>	-Shen-ao, bay, SE. side.	25° 07.6' N 121° 49.7' E	Oc.G. period 11s	43 13	3		
		*	*				10/03
*13854 <i>F 4659.415</i>	Mai-liao Kang, S. breakwater.	23° 46.8' N 120° 09.7' E	Fl.R. period 3s	79 24	13	Red octagonal tower; 75.	
RACON							
			N(-)				
							10/03
16467 <i>F 4448.4</i>	-E. breakwater, head.	37° 32.4' N 129° 07.2' E	Fl.R. period 4s	46 14	7	Red square metal tower; 23.	
		*			*		10/03
16844 <i>F 4340.6</i>	-N. breakwater, head.	34° 53.6' N 128° 43.2' E	Fl.R. period 4s	39 12	6	Red round concrete structure; 36.	
				*	*	*	10/03
*16958	Napjakyeo.	34° 39.3' N 128° 20.5' E	Fl.(2)W. period 5s	43 13	8	ISOLATED DANGER BRB, beacon; 46.	
							10/03
*16961	Heukcho.	34° 36.4' N 128° 15.6' E	Fl.(2)W. period 5s	46 14	8	ISOLATED DANGER BRB, beacon; 46.	
							10/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*17467	Seogwipo Oehang, breakwater.	33° 14.0' N 126° 34.0' E	F.I.R. period 4s	56 17	7	Red round concrete tower; 49.	10/03
18824 F 3768	JIUDUAN LIGHTSHIP.	31° 07.5' N 121° 55.7' E	Fl.(2)W. period 10s	33 10	7	Red hull, name on sides. Bell. Radar reflector.	
RACON		K(- - -)	*				10/03
*25434 K 1517.2	-S.	5° 09.6' S 119° 15.8' E	Q.(6)+L.FI.W. period 15s	26 8	10	S. CARDINAL YB, beacon, topmark.	10/03
26412 K 3470	Daru Island.					Remove from list.	
*27024 F 0960	-Sand Spit.	16° 59.3' N 82° 19.7' E	Fl.W. period 15s	30 9		*	10/03
27026 F 0962.5	-W. Jetty.	16° 58.8' N 82° 17.3' E	Fl.R.G. period 5s				10/03
30788 E 6138.6	South Mazarkiff.	16° 34.0' N 42° 22.0' E	Fl.(3)W. period 12s		10	Red daymark.	10/03
*			*				10/03

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Add Heading: *-Malecon de San Felipe:							
*3958	-Mole levante, head.	36° 32.7' N 6° 16.8' W	Fl.(4)G. period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	39 12	3	STARBOARD (A) G, beacon.	10/03
7032 E 0791	Les Issambres, S. breakwater, head.	43° 20.4' N 6° 41.1' E	Fl.(2)W.G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	26 8	W. 11 G. 8	Green column, white base; 16. W. 289°-349°, G.-289°.	
*		*	*			*	10/03

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7036 E 0791.4	-W. jetty, head.	43° 20.4' N 6° 41.1' E	Fl.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	7 2	4	Red structure; 3.	
	*						10/03

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
192 B 2126	Vaderobod.	58° 32.5' N 11° 01.9' E	L.FI.W.R.G. period 8s	105 32	W. 10 R. 7 G. 6	Red tower; 62.	R. 145°30'-190°, R. (unintensified)-229°, G.-331°, W.-145°30'.
	RACON		C(- - -) period 30s			18	
	*	*	*		*	*	*
*1042 C 0564.5	-Kottstycket.	57° 38.4' N 11° 36.8' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	30 9	4	White concrete tower, red stripe; Radar reflector. 21.	
							10/03
1296 C 0671	Fladen.	57° 12.9' N 11° 49.7' E	L.FI.W. period 8s	78 24	9	Black tower, red top, gray base; 84.	
			FI.Y. period 3s				Security light.
	RACON		N(- -) period 30s			15	
	*	*	*		*	*	*
7240 C 7564	Lagerholmen.	55° 57.9' N 14° 28.3' E	Fl.W.R.G. period 5s fl. 1s, ec. 4s	56 17	W. 9 R. 6 G. 5	White concrete tower; 56.	R. 000°-035°, G.-056°, W.- 085°, R.-114°, G.-144°, W.- 148°, R.-192°, G.-196°, W.- 198°, R.-270°, G.-289°, W.- 000°.
		*			*		*
7872 C 7358.4	-Huvudet.	56° 40.0' N 16° 23.1' E	Fl.(3)W.R.G. period 4s	19 6	W. 9 R. 7 G. 6	Red tower, black band; 23. Floodlit.	W. 203°-206°, R.-227°, W. (unintensified)-317°30', G.- 007°, W.-023°, R.-056°, G.- 100°, R.-194°, G.-203°.
		*	*		*		10/03
7876 C 7358	-Osvallsgrundet, channel, W. side.	56° 40.3' N 16° 23.4' E	Fl.W.R.G. period 3s	19 6	W. 10 R. 7 G. 6	Red tower, black band; 23. Floodlit.	W. 203°-209°, R.-215°, W. (unintensified)-301°30', R.- 338°, G.-015°30', W.-024°, R.-127°, G.-203°.
		*			*		10/03
7880 C 7352	-Krongrundet.	56° 41.4' N 16° 24.3' E	Oc.(2)W.R.G. period 8s	34 10	W. 15 W. 10 R. 12 G. 10	White tower, green and back band, gray conical base; 38. Floodlit.	W. 023°-031°, R.-058°, G.-104°, W.-184°, R.-214°, G.-222°30', W.-226°30', R.-284°, G.-023°. Shown 24 hours Nov. 1 to Mar. 31.
		*	*		*		10/03

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## SECTION II

**NM 10/03**

### PUBLICATIONS AFFECTED BY NOTICE TO MARINERS THROUGH NM 10/03

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

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
<b>NIMA HYDRO CATALOG CATP2V01U</b>			SDPUB155	2001	31*,48/01;10,45, 46/02	COMDTM165027	2002	16*,17,18,19,20,21, 22,23,25,27,29,30, 32,33,34,36,37,40, 43,45,46,47,48,50, 51,52/02;1,4,6/03
Region 1	2002	1*,2,3,4,7,8,9,10/03	SDPUB157	2000	20*,27,29,33,34,35, 38,41,44,48/01;1,3, 4,6,7,11,12,13,21, 23,32,47/01;2,5,9, 13,14,20,22,27, 38/02			
Region 2	2002	1*,8/03	SDPUB158	2000	50/00*,5,10,12,13, 15,17,20,24/01; 46/02			
Region 3	2002	1/03*	SDPUB159	2002	42*,48/02	<b>FLEET GUIDES</b>		
Region 4	2002	1/03*	SDPUB160	2002	47*,48,49,52/02;6,8, 10/03	FGPUB940ATL	2001	N47/01*
Region 5	2002	1*,3,5,8/03	SDPUB161	2002	23*,24,44,47,48/02; 5/03	FGPUB941PAC	2001	N22/01*
Region 6	2002	1*,10/03	SDPUB162	2001	51/01*,5/03	<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
Region 7	2002	1/03*	SDPUB163	2002	18*,20,21,26,46, 51/02	NOSPBCATALOG1	2000	20/00*
Region 8	2002	1/03*	SDPUB164	2000	30/00*,31,35,36/01; 8/03	NOSPBCATALOG2	2000	34/00*
Region 9	2002	1/03*	SDPUB165	2001	40*,47,48,52/01;5,9, 14,16,41/02	NOSPBCATALOG3	2000	28/00*
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9/03	SDPUB166	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1/03	NOSPBCATALOG4	2000	34/00*
<b>NIMA LIST OF LIGHTS</b>			SDPUB167	2001	50*,51/02;3/03	<b>ALMANACS</b>		
LLPUB110	2003	7*,8,9/03	SDPUB168	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02	AIRALMANAC301	2003	44/02*
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02;1, 2,3,4,5,6,7,8,9,10/03	SDPUB169	2001	41*,43,45,51/01,8, 11,12,13,14,16,17, 21,27,37,41,49/02	NAUTALMANAC03	2003	44/02*
LLPUB112	2003	4*,5,6,7,8,9,10/03	SDPUB170	2002	32*,33,42,47,48, 50/02;6/03	<b>COAST PILOT</b>		
LLPUB113	2002	45*,47,48,50,51, 52/02;1,2,3,4,5,6,7, 8,10/03	SDPUB171	2001	38*,39/02	NOSPBCP1	32	37*,39,41,47,51/01; 1,5,7,13,18,33,37, 39,42,45,49,51/02;3, 9,10/03
LLPUB114	2002	13*,15,16,17,19,20, 21,22,23,24,31,32, 34,35,36,38,39,40, 41,43,45,46,47,48, 49,51/02;1,4,5,6/03	SDPUB172	2001	8*,10,12,41/02	NOSPBCP2	31	44*,47,51,52/01;5,7, 12,13,18,23,33,37, 39,42,45,48,51/02;3, 6/03
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02;1/03	SDPUB173	2000	27/01*,13,15,16/02	NOSPBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02;3, 10/03
LLPUB116	2002	18*,20,21,22,24,25, 26,27,29,31,34,37, 41,42,44,45,46,47, 48,49,50,52/02;1,2, 4,5,6,7,8,9,10/03	SDPUB174	2000	50*,51,52/02;3/03	NOSPBCP4	34	49*,51/02
<b>SAILING DIRECTIONS</b>			SDPUB175	2001	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02	NOSPBCP5	30	2*,6,10/03
CDPUBSD131	2002	9/03*	SDPUB176	2001	41*,43,45,51/01,8, 11,12,13,14,16,17, 21,27,37,41,49/02	NOSPBCP6	32	19*,20,21,33,39,45, 47,49,51/02;3,6/03
CDPUBSD146	2002	4/03*	SDPUB177	2002	32*,33,42,47,48, 50/02;6/03	NOSPBCP7	34	1*,3,10/03
CDPUBSD194	2002	6*,8/03	SDPUB178	2002	38*,39/02	NOSPBCP8	24	3*,5,16,17,19,23,33, 37,40,47,50,51/02; 9/03
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, 10/03	SDPUB179	2000	8*,10,12,41/02	NOSPBCP9	20	12*,20,23,33,37,45, 50,51/02;3,6,9,10/03
SDPUB123	2001	45*,47,48,50,51/01; 17,18,19/02	SDPUB180	2001	27/01*,13,15,16/02	<b>RADIO NAVIGATIONAL AIDS</b>		
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02	SDPUB181	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02;9/03	RAPUB117	2002	50/02*
SDPUB125	2000	6*,9,10,20,21,40/00; 36,37,45,46/01;14, 17,33,35,38,40/02	SDPUB182	2000	14*,16,17,18,24,26, 31,36,38,39,46/00;4, 14,17,21,22,23,25, 26,28,30,31,32/01;	<b>AMERICAN PRACTICAL NAVIGATOR</b>		
SDPUB126	2002	39*,41,42,43,44,45, 48/02	SDPUB183	2001	11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02;2,4,5,6,7, 8/03	NVPUB9	2002	36/02*
SDPUB127	2000	37*,38/00;18,33,40, 44,45,48,49,52/01;1, 11,13,17,18,27,33, 34,37,41,47,49, 51/02;5/03	SDPUB184	2000	27*,38,39/02	<b>INTERNATIONAL CODE OF SIGNALS</b>		
SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	SDPUB185	2002	12,3/03	NVPUB102	1999	46/99*;52/01
SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9/03	SDPUB186	2002	38*,39,42/02	<b>WORLD PORT INDEX</b>		
SDPUB141	2001	21*,38/01	<b>USCG LIGHT LIST VOLUMES I - VII</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, 10/03
SDPUB142	2000	49/00*,3,31,35/01; 1,15,43/02	COMDTM165021	2002	30*,31,32,33,34,35, 36,37,39,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02;1,2, 4,5,6,7,8,9/03	<b>DISTANCES BETWEEN PORTS</b>		
SDPUB143	2000	8*,10,19,29/00;16, 26/01;1,25/02;9/03	COMDTM165022	2002	16*,17,18,19,20,21, 22,23,25,26,27,28, 29,30,31,32,33,34, 35,36,37,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02;1,2, 4,5,6,7,8,9/03	NVPUB151	2001	4/02*
SDPUB145	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,35,52/01;14, 27/02	COMDTM165023	2002	16*,17,18,19,20,21, 22,23,25,26,27,28, 29,30,31,32,33,34, 35,36,37,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02;1,2, 3,4,5,6,7,9,10/03	<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
SDPUB147	2001	35/01*,21,22,23, 24/02	COMDTM165024	2002	16*,17,18,19,20,21, 22,23,25,26,27,28, 29,30,31,32,33,34, 35,36,37,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02;1,2,3,4, 5,6,7,8,9,10/03	CDPUBNV1310	2001	51/01*
SDPUB148	2001	48/01*,23,24/02	COMDTM165025	2002	16/02*	<b>SIGHT REDUCTION TABLES (MARINE)</b>		
SDPUB153	2000	6/01*,28,30,41,44, 46,47,48,52/02;1,3, 4,8/03	COMDTM165026	2002	35*,36,40,41,42,43, 44,45,46,47,48,49, 50,51,52/02;1,2,3,4,5, 6,7,8,9,10/03	SRPUB229V1	1970	11/71*
SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3/03			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*	

## SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 10/03**

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

NIMA Reference No.	Ed.	Notice to Mariners No.		
<b>CHART NO. 1</b> WOBZC1	1997	18/98*		
<b>CHART NO. 4</b> WOBZC4	1988	N20/89*		
<b>ATLAS OF PILOT CHARTS</b> NVPUB107                    1998 30/99* NVPUB109                    2001 49/02*				
<b>USCG NAVIGATION RULES</b> COMDTM166722D            1999 44/99*,52/00				
<b>NOS TIDE TABLES</b> NOSPBTTCWPACIN3        2003 N4/03* NOSPBTTECSTNSA3        2003 N4/03* NOSPBTTEURAFR3        2003 N4/03* NOSPBTWCSTNSA3        2003 N4/03*				
<b>TIDAL CURRENT TABLES</b> NOSPBTCTATCSTN3        2003 N4/03* NOSPBTCTPACAS3        2003 N4/03*				

## SECTION III

NM 10/03

### 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 201200Z February 2003:

2001 series	219(GEN)	365(14)	2003 series	71(GEN)	77(13)
393(GEN)	346(GEN)	468(GEN)	27(11)	74(11,12,26)	78(GEN)
2002 series	351(11)	487(11)	52(11)	75(11,26)	

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02.

#### NAVAREA IV WARNINGS issued from 121200Z to 201200Z February 2003.

74/03(11,12,26). NORTH ATLANTIC.

1. DERELICT 417 FOOT M/V WHITE SEAL, WHITE HULL,  
ADRIFT WITHIN 200 MILES OF 31-30N 070-50W.  
REPORTS TO RCC NORFOLK, TELEX: 127775,  
PHONE: 757 398 6231, FAX: 757 398 6390.
2. CANCEL THIS MSG 21 FEB.

(140605Z FEB 2003)

75/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
  - A. 0500Z TO 0459Z COMMENCING DAILY 17 THRU 23 FEB IN AREA  
BOUND BY 30-45.0N 080-32.0W, 30-45.0N 079-40.0W,  
30-37.5N 079-40.0W, 30-34.0N 080-33.0W.
  - B. 0500Z TO 0459Z COMMENCING DAILY 17 THRU 21 FEB IN AREA  
BETWEEN 29-20.0N 29-10.0N AND 079-50.0W 079-40.0W.
  - C. 1300Z TO 0459Z COMMENCING DAILY 18 AND 19 FEB IN AREA  
BETWEEN 29-40.0N 29-50.0N AND 080-30.0W 080-40.0W.
  - D. 200030Z TO 200330Z FEB IN AREA BOUND BY  
30-35.0N 081-21.0W, 30-35.0N 081-00.0W,  
30-00.0N 081-02.0W, 30-00.0N 081-15.0W.
2. CANCEL THIS MSG 240559Z FEB.

(141840Z FEB 2003)

76/03. CANCELED.

77/03(13). NORTH ATLANTIC. MASSACHUSETTS.

1. LORAN-C STATION NANTUCKET, RATES 5930-X AND 9960-X,  
UNUSABLE 211300Z TO 211700Z FEB.
2. CANCEL THIS MSG 211800Z FEB.

(170910Z FEB 2003)

78/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 171000Z FEB 2003. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 27(11), 52(11), 71(GEN), 74(11,12,26),  
75(11,26), 77(13).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF  
12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL NAVAREA IV 73/03.

(171010Z FEB 2003)



## SECTION III

### HYDROLANTS

Messages in force 201200Z February 2003:

2000 series	383(53)	2883(54)	139(53)	298(GEN)	376(24)
1569(36)	946(53)	2003 series	150(54)	309(24)	377(24)
2937(38)	1065(53)	16(54)	154(54)	317(37)	378(24)
3762(43)	1485(24)	35(37)	180(23,57)	339(GEN)	379(24)
4265(44)	1895(23)	41(37)	181(57)	340(53)	380(38)
2001 series	2027(GEN)	42(57)	196(52)	350(55)	381(56)
611(44)	2203(51)	65(53)	228(52,53)	356(37)	382(24,25)
1798(37)	2354(53)	67(37)	229(53)	357(52)	383(57)
2659(GEN)	2554(35)	71(53,54)	234(37)	362(23,29)	384(24)
2700(37)	2673(GEN)	76(54)	239(53)	366(52,53)	385(54)
2864(53)	2682(51)	92(52)	262(54)	368(54)	388(23)
3161(44)	2808(24)	111(52)	271(GEN)	369(51)	389(23)
2002 series	2848(37)	121(55)	273(54)	372(GEN)	390(22)
245(GEN)	2869(52)	123(52)	274(53)	373(52,53,56)	391(24)
246(GEN)	2882(54)	132(51)	282(55)	375(24)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.

### **HYDROLANT WARNINGS issued from 121200Z to 201200Z February 2003.**

339/03(GEN). MOROCCO.

THE AUTHORITIES OF MOROCCO ADVISE THAT SINGLE-HULL OIL TANKERS,  
MORE THAN 15 YEARS OLD, CARRYING HEAVY FUEL, TAR, ASPHALTIC BITUMEN  
OR HEAVY CRUDE OIL ENTERING INTO THE ECONOMIC EXCLUSIVE ZONE,  
ARE SUBJECT TO PREVIOUS NOTIFICATION AND ARE STRICTLY CONTROLLED.

(121210Z FEB 2003)

340/03(53). ISOLA SALINA.

CHART 53181 (4TH ED).

CAPO FARO LIGHT 38-34.8N 014-52.2E UNLIT.

(121723Z FEB 2003)

341/03 thru 349/03. CANCELED.

350/03(55). BLACK SEA. GUNNERY. MISSILES.

1. HAZARDOUS OPERATIONS 0700Z TO 1530Z DAILY 17 THRU 21 FEB  
IN AREA BOUND BY 44-43.8N 032-52.2E, 44-34.8N 032-37.4E,  
44-39.0N 032-11.5E, 44-48.4N 032-08.2E,  
45-00.2N 032-14.2E, 44-52.2N 032-41.6E.
2. CANCEL THIS MSG 211630Z FEB.

(131400Z FEB 2003)

351/03 thru 355/03. CANCELED.

356/03(37). DOVER STRAIT.

CHART 37120 (2ND ED).

SANDETTIE EAST BUOY 51-15N 002-03E UNLIT.

(140950Z FEB 2003)

357/03(52). SICILIA-NORTHWEST COAST.

CHART 52180 (14TH ED).

1. PUNTA SOTTILE LIGHT 37-56.0N 012-16.4E UNLIT.
2. CANCEL HYDROLANT 2870/02(56) AND 2877/02(GEN).

(141520Z FEB 2003)

358/03 thru 361/03. CANCELED.

362/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTS ON 15 FEB IN:

- A. A-38C, SEVEN MILES BY 11 MILES IN 60-30S 050-24W.
- B. A-43B, 14 MILES BY 35 MILES IN 54-24S 039-12W.
- C. A-43C, 24 MILES BY 41 MILES IN 58-42S 038-06W.
- D. A-43G, NINE MILES BY 51 MILES IN 53-00S 037-24W.
- E. A-43I, TWO MILES BY 12 MILES IN 56-42S 033-42W.
- F. A-46, FOUR MILES BY 11 MILES IN 46-24S 059-30W.
- G. A-47, NINE MILES BY 14 MILES IN 57-24S 048-42W.
- H. B-09A, 15 MILES BY 22 MILES IN 52-30S 032-24W.

2. CANCEL THIS MSG 23 FEB.

(160610Z FEB 2003)

363/03 thru 365/03. CANCELED.

NM 10/03

### SECTION III

366/03(52,53). SARDEGNA-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 2259Z DAILY 20 AND 21 FEB  
IN AREA BOUND BY 38-55-10N 008-42-30E,  
38-50-00N 008-50-00E, 38-40-00N 008-50-00E,  
38-40-00N 008-39-00E, 38-40-00N 008-24-30E,  
38-50-30N 008-25-00E, 38-56-10N 008-26-40E,  
39-00-00N 008-29-00E, 39-00-00N 008-32-00E,  
38-57-30N 008-35-10E.
2. CANCEL THIS MSG 212359Z FEB.

(161140Z FEB 2003)

367/03. CANCELED.

368/03(54). EASTERN MEDITERRANEAN SEA.

M/V TOR 1, EIGHT PERSONS ON BOARD, SINKING IN 35-45N 018-12E.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO MRCC ROME,  
PHONE: 3906 5908 4527, FAX: 3906 5908 4793  
OR MRCC MALTA, PHONE: 356 2180 9279.

(162345Z FEB 2003)

369/03(51). NORTH ATLANTIC. MAURITANIA.

MAN OVERBOARD FROM F/V JOHANNA MARIA IN 19-56.6N 017-25.2W  
AT 170040Z FEB. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO MRCC FALMOUTH, TELEX: 5145560,  
PHONE: 4413 2631 7575 FAX: 4413 2631 8342.

(170210Z FEB 2003)

370/03 and 371/03. CANCELED.

372/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 171200Z FEB 2003. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 41(37), 42(57), 65(53), 67(37), 71(53,54), 76(54),  
92(52), 111(52), 121(55), 123(52), 132(51), 139(53), 150(54),  
154(54), 180(23,57), 181(57), 196(52), 203(52), 228(52,53),  
229(53), 234(37), 239(53), 262(54), 271(GEN), 273(54), 274(53),  
282(55), 298(GEN), 309(24), 317(37), 333(51), 339(GEN),  
340(53), 341(24), 344(35), 347(24), 350(55), 354(24), 356(37),  
357(52), 359(24), 362(23,29), 363(24), 364(24), 365(24),  
366(52,53), 368(54), 369(51), 370(24), 371(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF  
12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL HYDROLANT 2804/02, 2831/02, 33/03, 325/03, 335/03, 342/03.

(171210Z FEB 2003)

373/03(52,53,56). EASTERN MEDITERRANEAN SEA.

1. DERELICT VESSEL ADRIFT VICINITY 33-51.0N 012-04.2E  
AT 171100Z FEB.
2. CANCEL THIS MSG 24 FEB.

(171240Z FEB 2003)

374/03. CANCELED.

375/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 FEB BY  
M/V RAMFORM VIKING TOWING TEN 4600 METER  
LONG CABLES IN AREA BOUND BY  
00-48N 046-01W, 01-03N 046-14W,  
01-22N 045-52W, 01-08N 045-39W.  
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 21 FEB.

(181040Z FEB 2003)

376/03(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 FEB BY M/V BULLDOG  
TOWING 15 METER LONG CABLE IN AREA BOUND BY  
11-03.7S 036-55.8W, 11-06.4S 036-51.9W,  
11-08.3S 036-54.7W, 11-06.3S 036-57.6W.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 21 FEB.

(181050Z FEB 2003)

### SECTION III

NM 10/03

377/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 202300Z FEB BY M/V CGG HARMATTAN TOWING SIX 6000 METER LONG CABLES IN AREA BOUND BY 02-32.7S 038-55.5W, 02-49.5S 039-03.7W, 03-04.0S 038-37.5W, 02-46.0S 038-28.6W. FOUR MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 359/03.
3. CANCEL THIS MSG 210001Z FEB.

(181110Z FEB 2003)

378/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 210159Z FEB BY M/V VERITAS VIKING I TOWING SIX 5400 METER LONG CABLES IN AREA BETWEEN 26-00.0S 26-30.0S AND 043-52.3W 044-15.0W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 210259Z FEB.

(181120Z FEB 2003)

379/03(24). BRAZIL-SOUTH COAST.

1. OCEANOGRAPHIC OPERATIONS 19 THRU 28 FEB BY M/V ANTARES IN AREA BOUND BY 32-11S 051-31W, 33-45S 048-29W, 31-09S 046-30W, 29-30S 049-39W. THREE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 347/03 AND 371/03.
3. CANCEL THIS MSG 01 MAR.

(181125Z FEB 2003)

380/03(38). NORTH ATLANTIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 200001Z TO 202359Z FEB WITHIN 100 MILES OF 68-50N 015-56W.
2. CANCEL HYDROLANT 203/03(52).
3. CANCEL THIS MSG 210059Z FEB.

(181310Z FEB 2003)

381/03(56). EASTERN MEDITERRANEAN SEA. EGYPT.

1. GEOPHYSICAL SURVEY IN PROGRESS UNTIL 31 MAR BY M/V FLYING ENTERPRISE IN AREA BOUND BY 32-02N 030-19E, 32-00N 030-20E, 31-53N 030-30E, 31-54N 030-32E, 32-03N 030-33E, 32-05N 030-32E.
2. CANCEL THIS MSG 01 APR.

(181522Z FEB 2003)

382/03(24,25). BARBADOS TO BRAZIL.

- 36 FOOT S/V VIRGO, WHITE HULL, TWO PERSONS ON BOARD, OVERDUE BARBADOS TO RECIFE. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC GRIS NEZ, TELEX: 33 321877855, PHONE: 33 321872187, FAX: 33 321877855.

(181943Z FEB 2003)

383/03(57). AFRICA-WEST COAST.

- TUG MT BELLO SUNK IN 00-17S 009-02E AT 140300Z FEB. TWO PERSONS MISSING. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO UKMRCC.

(182036Z FEB 2003)

384/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 210200Z FEB BY M/V CGG ALIZE TOWING EIGHT 740 METER LONG CABLES IN AREA BETWEEN 20-40S 19-20S AND 039-30W 038-50W. FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 210300Z FEB.

(190520Z FEB 2003)

385/03(54). EASTERN MEDITERRANEAN SEA.

1. DERELICT M/V KARIN CAT ADRIFT IN 35-12N 019-43E AT 191030Z FEB.
2. CANCEL HYDROLANT 374/03.
3. CANCEL THIS MSG 26 FEB.

(191600Z FEB 2003)

386/03 and 387/03. CANCELED.

388/03(23). URUGUAY. NAVTEX.

- NAVTEX STATION LA PALOMA OFF AIR.

(200219Z FEB 2003)

SECTION III

389/03(23). SOUTH ATLANTIC.  
1. F/V CEIBE DEUSADRIFT IN 46-09S 063-44W.  
2. CANCEL THIS MSG 27 FEB.

(200221Z FEB 2003)

390/03(22). ARGENTINA. TIERRA DEL FUEGO.  
CHART 22036 (28TH ED).  
1. CABO SAN DIEGO LIGHT 54-39.2S 065-07.2W UNLIT.  
2. CANCEL HYDROLANT 2484/02 AND 387/03.

(200740Z FEB 2003)

391/03(24). BRAZIL-EAST COAST.  
1. SEISMIC SURVEY IN PROGRESS UNTIL 22 FEB BY  
M/V RAMFORM EXPLORER TOWING EIGHT 6500 METER  
LONG CABLES IN AREA BETWEEN 14-10.0S 14-51.0S  
AND 038-41.8W 038-50.0W. FIVE MILE BERTH REQUESTED.  
2. CANCEL THIS MSG 23 FEB.

(200920Z FEB 2003)

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

Messages in force 201200Z February 2003:

2001 series 298(GEN)	2002 series 178(GEN)	260(GEN) 339(GEN)	2003 series 21(19)	36(GEN) 41(18)	44(GEN) 45(17,18)
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The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02.

**NAVAREA XII WARNINGS issued from 121200Z to 201200Z February 2003.**

41/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:  
 A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL  
 B. 33-52N 119-06W. TO THE SHORELINE.  
 C. 33-29N 119-07W. N. 34-24N 120-30W.  
 D. 33-29N 118-37W. O. 34-08N 120-26W.  
 E. 33-20N 118-37W. P. 34-08N 119-40W.  
 F. 32-11N 120-16W. Q. 34-00N 119-40W.  
 G. 31-54N 121-35W. R. 34-06N 119-13W.  
 H. 35-09N 123-39W. S. 34-06N 119-11W.  
 I. 35-29N 123-00W. T. 34-07N 119-10W.  
 J. 35-04N 122-43W. U. 34-07N 119-07W.  
 K. 35-57N 121-32W. V. 34-04N 119-04W.  
 L. 34-59N 120-42W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 32/03.

(131010Z FEB 2003)

42/03 and 43/03. CANCELED.

44/03(18).

1. NAVAREA XII MESSAGES IN FORCE 171000Z FEB 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 21(19), 36(GEN), 41(18), 42(16,17).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL NAVAREA XII 40/03, 43/03.

(171020Z FEB 2003)

45/03(17,18). NORTH PACIFIC. WASHINGTON.

1. LORAN-C STATION GEORGE, RATES 5990-Y AND 9940-W, OFF AIR 241500Z TO 250100Z FEB, ALTERNATE 251500Z TO 260100Z FEB.
2. CANCEL THIS MSG 260200Z FEB.

(192145Z FEB 2003)



## SECTION III

### HYDROPACS

Messages in force 201200Z February 2003:

2000 series	1661(GEN)	41(62)	161(94,95)	234(83)	291(81)
597(73)	1765(71)	57(93)	162(94,95)	237(81)	292(GEN)
1557(94)	1843(22)	59(83)	163(71)	242(63)	293(63)
2001 series	1893(74)	70(71,93)	164(81,83)	250(81)	294(63)
1556(71)	2057(71,93)	72(96)	167(95)	251(81)	296(62)
1636(96)	2111(62)	73(62)	170(81)	253(62)	297(94)
1647(GEN)	2191(22)	74(63)	171(71,93)	259(63)	298(63)
1976(62)	2199(63)	79(81)	177(71)	261(63)	299(63)
2062(61)	2277(GEN)	84(61)	181(95)	262(63)	301(75)
2002 series	2330(62)	86(81)	182(95)	268(62)	302(22)
146(62)	2339(63)	97(81)	185(19)	269(63)	303(81)
196(61)	2402(22)	100(29)	197(71)	270(22)	304(93)
205(GEN)	2421(75)	109(29)	200(71,93)	272(62)	305(62)
206(GEN)	2432(22)	110(76)	207(62)	274(63)	306(22)
207(93)	2437(72)	111(97)	210(83)	276(63)	307(74)
352(73)	2465(63)	124(62)	213(61)	277(63)	308(63)
403(72,73)	2003 series	129(63)	215(GEN)	279(63)	
637(75)	3(63)	133(93)	221(81)	280(81)	
828(62)	29(81)	151(63)	223(GEN)	281(97)	
1078(72)	37(81)	159(94,95)	225(63)	283(23,29)	
1315(62)	38(81)	160(95)	232(93)	284(81)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.

#### **HYDROPAC WARNINGS issued from 121200Z to 201200Z February 2003.**

259/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 15 THRU 21 FEB  
WITHIN SIX MILES OF 14-01.0N 074-19.6E.
2. CANCEL THIS MSG 211230Z FEB.

(121350Z FEB 2003)

260/03. CANCELED.

261/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0430Z TO 1330Z DAILY 15 THRU 21 FEB  
IN AREA BOUND BY 13-56.0N 071-11.0E, 12-09.0N 073-58.0E,  
12-09.0N 072-12.0E, 13-07.0N 071-53.0E.
2. CANCEL THIS MSG 211430Z FEB.

(121435Z FEB 2003)

262/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0200Z TO 1400Z DAILY 15 THRU 22 FEB  
IN AREA BOUND BY 13-35.0N 070-11.0E, 14-18.0N 070-28.0E,  
14-38.0N 069-52.0E, 14-07.0N 069-25.0E.
2. CANCEL THIS MSG 221500Z FEB.

(121500Z FEB 2003)

263/03 thru 267/03. CANCELED.

268/03(62). PERSIAN GULF. KUWAIT.

- CHART 62570 (4TH ED).
1. TABS BUOY, FL Y, RA REF, ESTABLISHED IN 29-06.7N 048-44.8E.
  2. CANCEL HYDROPAC 115/03.

(131020Z FEB 2003)

269/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 15 THRU 21 FEB  
IN AREA BOUND BY 15-31N 069-38E, 16-13N 068-30E,  
16-45N 069-30E, 16-10N 070-08E.
2. CANCEL HYDROPAC 264/03(74).
3. CANCEL THIS MSG 211630Z FEB.

(131210Z FEB 2003)

270/03(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1200Z TO 2100Z DAILY  
16 THRU 21 FEB IN AREA BETWEEN  
36-11S 36-36S AND 073-38W 073-14W.
2. CANCEL THIS MSG 212200Z FEB.

(131500Z FEB 2003)

## SECTION III

271/03. CANCELED.

272/03(62). RED SEA.

1. CABLE LAYING OPERATIONS IN PROGRESS UNTIL 23 FEB  
BY CABLESHIP ILE DE SEIN ALONG TRACKLINE JOINING  
19-36N 037-14E, 19-36N 037-15E, 19-36N 037-16E,  
19-36N 037-19E, 19-37N 037-21E, 19-41N 037-27E,  
19-43N 037-31E, 19-45N 037-34E, 19-51N 037-39E,  
19-56N 037-41E, 20-08N 037-50E, 20-21N 037-59E,  
20-23N 038-02E, 20-34N 038-10E, 20-44N 038-24E,  
20-45N 038-26E, 20-49N 038-29E, 20-56N 038-32E,  
21-00N 038-37E, 21-10N 038-44E, 21-17N 038-48E,  
21-25N 038-54E, 21-29N 039-00E, 21-30N 039-04E,  
21-31N 039-06E, 21-31N 039-07E, 21-31N 039-08E.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 126/03(61), AID RESTORED.
3. CANCEL THIS MSG 24 FEB.

(140820Z FEB 2003)

273/03. CANCELED.

274/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0530Z TO 1430Z DAILY 16 THRU 20 FEB  
IN AREA BOUND BY 14-10N 073-00E, 15-26N 071-50E,  
15-42N 071-55E, 15-10N 073-00E.
2. CANCEL HYDROPAC 247/03(62).
3. CANCEL THIS MSG 201530Z FEB.

(141020Z FEB 2003)

275/03. CANCELED.

276/03(63). INDIA-SOUTHWEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1300Z TO 1530Z DAILY 19, 20, 26  
AND 27 FEB WITHIN 75 MILES OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 271630Z FEB.

(141120Z FEB 2003)

277/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0830Z TO 1730Z DAILY 17 THRU 22 FEB  
IN AREA BOUND BY 17-27N 066-38E, 17-43N 067-58E,  
17-15N 068-50E, 16-38N 067-50E.
2. CANCEL HYDROPAC 140/03 AND 194/03(62,63).
3. CANCEL THIS MSG 221830Z FEB.

(141325Z FEB 2003)

278/03. CANCELED.

279/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY 16 THRU 21 FEB  
IN AREA BOUND BY 19-32N 068-48E, 19-23N 067-55E,  
18-45N 069-20E, 18-52N 070-00E.
2. CANCEL HYDROPAC 256/03.
3. CANCEL HYDROPAC 278/03(74), AID RESTORED.
4. CANCEL THIS MSG 211330Z FEB.

(150850Z FEB 2003)

280/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 17-26N 159-45E  
AT 151302Z FEB. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JAPAN COAST GUARD.

(151515Z FEB 2003)

281/03(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 38-56N 157-51E  
AT 151309Z FEB. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JAPAN COAST GUARD.

(151615Z FEB 2003)

282/03. CANCELED.

### SECTION III

NM 10/03

283/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 15 FEB IN:
  - A. A-38A, 22 MILES BY 48 MILES IN 63-06S 053-12W.
  - B. A-38B, 22 MILES BY 25 MILES IN 63-24S 051-42W.
  - C. A-38C, SEVEN MILES BY 11 MILES IN 60-30S 050-24W.
  - D. A-38D, TWO MILES BY TEN MILES IN 63-42S 053-18W.
  - E. A-43A, 14 MILES BY 35 MILES IN 67-30S 058-42W.
  - F. A-43F, 22 MILES BY 44 MILES IN 66-30S 059-42W.
  - G. A-48, NINE MILES BY TEN MILES IN 64-06S 054-06W.
  - H. A-49, ONE MILE BY TEN MILES IN 63-06S 052-00W.
  - I. A-50, ONE MILE BY TEN MILES IN 63-30S 053-06W.
  - J. A-51, TWO MILES BY 14 MILES IN 67-18S 060-30W.
2. CANCEL THIS MSG 23 FEB.

(160620Z FEB 2003)

284/03(81). NORTH PACIFIC. CAROLINE ISLANDS.

1. 19 FOOT VESSEL, FOUR PERSONS ON BOARD, OVERDUE WENO, TRUK TO NAMA ISLAND. VESSEL REPORTED WITHIN 100 MILES OF 06-46N 148-33E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM, TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.
2. CANCEL HYDROPAC 257/03.

(160840Z FEB 2003)

285/03 thru 290/03. CANCELED.

291/03(81). NORTH PACIFIC. ORDNANCE.

1. BOMBING EXERCISES 182000Z TO 240800Z FEB WITHIN TEN MILES OF:
  - A. 15-00N 147-00E.
  - B. 14-30N 146-30E.
2. CANCEL HYDROPAC 287/03(75), VESSEL ASSISTED.
3. CANCEL THIS MSG 240900Z FEB.

(170950Z FEB 2003)

292/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 171200Z FEB 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 29(81), 37(81), 38(81), 41(62), 57(93), 59(83), 70(71,93), 72(96), 73(62), 74(63), 79(81), 84(61), 86(81), 97(81), 100(29), 109(29), 110(76), 111(97), 124(62), 129(63), 133(93), 151(63), 159(94,95), 160(95), 161(94,95), 162(94,95), 163(71), 164(81,83), 167(95), 170(81), 171(71,93), 177(71), 181(95), 182(95), 185(19), 197(71), 200(71,93), 207(62), 210(83), 213(61), 215(GEN), 221(81), 223(GEN), 225(63), 232(93), 234(83), 237(81), 240(63), 242(63), 250(81), 251(81), 253(62), 259(63), 261(63), 262(63), 268(62), 269(63), 270(22), 272(62), 274(63), 275(63), 276(63), 277(63), 279(63), 280(81), 281(97), 283(23,29), 284(81), 289(74), 291(81).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL HYDROPAC 7/03, 13/03, 17/03, 18/03, 19/03, 20/03, 248/03.

(171220Z FEB 2003)

293/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 21 AND 25 FEB IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E, 09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 251630Z FEB.

(171250Z FEB 2003)

294/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0130Z TO 1630Z DAILY 20 AND 21 FEB WITHIN 60 MILES OF 15-50.5N 080-29.5E.
2. CANCEL THIS MSG 211730Z FEB.

(171310Z FEB 2003)

295/03. CANCELED.

296/03(62). ARABIAN SEA. OMAN

DISTRESS SIGNAL RECEIVED FROM M/V AL ADNAN, 19 PERSONS ON BOARD, VICINITY MASIRAH (20-20N 058-50E). VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(181020Z FEB 2003)

## SECTION III

297/03(94). PHILIPPINE SEA. GUNNERY.

1. GUNNERY EXERCISES 200600Z TO 200830Z AND  
201030Z TO 201300Z FEB IN AREA BOUND BY  
23-43N 122-05E, 23-00N 122-05E,  
23-20N 122-38E, 23-43N 122-38E.
2. CANCEL THIS MSG 201400Z FEB.

(181140Z FEB 2003)

298/03(63). INDIA-EAST COAST.

1. SEISMIC SURVEY 20 FEB THRU 30 APR BY  
M/V RAMFORM VANGUARD IN AREA BOUND BY  
15-00N 080-23E, 15-00N 081-15E,  
14-30N 081-15E, 14-30N 082-00E,  
15-29N 082-00E, 15-25N 081-20E,  
15-08N 080-50E, 15-21N 080-41E,  
15-20N 080-40E, 15-13N 080-31E.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROFAC 2298/02.
3. CANCEL THIS MSG 01 MAY.

(181150Z FEB 2003)

299/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 200230Z TO 200530Z AND  
201230Z TO 201430Z FEB IN AREA BOUND BY  
17-42.2N 083-18.6E, 17-42.1N 083-29.9E,  
17-36.7N 083-28.5E, 17-32.7N 083-24.3E.
2. CANCEL THIS MSG 201530Z FEB.

(181210Z FEB 2003)

300/03. CANCELED.

301/03(75). AUSTRALIA-SOUTHEAST COAST.

CHART 75130 (16TH ED).  
CAPE WILLOUGHBY LIGHT 35-50.6S 138-08.0E  
CHANGED TO: FL (3) W 15 SEC 11 MILES.

(181240Z FEB 2003)

302/03(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1200Z TO 2100Z DAILY 22 THRU 27 FEB  
IN AREA BETWEEN 36-11S 36-36S AND 073-38W 073-14W.
2. CANCEL THIS MSG 272200Z FEB.

(182309Z FEB 2003)

303/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED IN 18-42.8N 177-54.0E AT 190032Z FEB.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST  
IF POSSIBLE. REPORTS TO RCC HONOLULU, TELEX: 392401,  
PHONE: 808 541 2500, FAX: 808 541 2123.

(190225Z FEB 2003)

304/03(93). SOUTH CHINA SEA.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 15-54.8N 115-55.3E  
AT 190521Z FEB. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO PAC RCC,  
TELEX: 392401, PHONE: 808 531 1112, FAX: 808 541 2123.

(190800Z FEB 2003)

305/03(62). GULF OF SUEZ.

1. SEISMIC SURVEY IN PROGRESS UNTIL 15 MAR BY  
M/V GEO PACIFIC TOWING 6 SEVEN MILE LONG CABLES  
IN AREA BOUND BY 29-37N 032-23E,  
29-42N 032-31E, 29-33N 032-41E,  
29-21N 032-48E, 29-18N 032-44E.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 MAR.

(191030Z FEB 2003)

306/03(22). CHILE.

1. FIVE MILE LONG FISHING NETS ADRIFT IN:  
A. 21-55S 070-34W.  
B. 21-50S 070-34W.
2. CANCEL THIS MSG 26 FEB.

(192237Z FEB 2003)

## **SECTION III**

**NM 10/03**

307/03(74). AUSTRALIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY  
M/V VERITAS SEARCHER TOWING 2.5 MILE LONG CABLE  
IN AREA BETWEEN 26-30S 27-30S AND 111-30E 113-00E.
2. CANCEL HYDROGRAPHIC 289/03.

(200241Z FEB 2003)

308/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY 24 THRU 26 FEB  
IN AREA BOUND BY 19-14.6N 084-53.7E, 19-10.5N 085-01.0E,  
19-01.7N 084-56.8E, 19-05.1N 084-48.4E, 19-12.6N 084-51.6E.
2. CANCEL THIS MSG 261330Z FEB.

(201110Z FEB 2003)

### **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 NIMA 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 1/03 for those in-force as of 19 December 2002, 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 20 February 2003: 00-7, 01-1, 01-5, 01-7, 02-2, 02-5, 02-7 and 03-1.

### **SPECIAL WARNINGS**

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

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA 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 1/03 for those in-force as of 19 December 2002.

SPECIAL WARNINGS in force 20 February 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119 and 120.



**MARINE INFORMATION****ARCTIC MARITIME SAFETY INFORMATION (AMSI)**

The Arctic Maritime Safety Information (AMSI) database for the Arctic Ocean and other high-latitude waters is now established.

The purpose of this database is for reporting and sharing information about maritime hazards to both surface ships and submarines (military and commercial) in the international waters of the Arctic Ocean and adjacent northern seas.

This information is applicable to any person who physically collects data from, or works in the Arctic Ocean.

**BACKGROUND:** The Maritime Safety Information Division of the (United States) National Imagery and Mapping Agency (NIMA) provides maritime safety information to mariners worldwide.

The various types of information provided by the Maritime Safety Information Division alert mariners to military operations, major navigational aid failures and changes, large drifting navigational hazards, cable laying, scientific and survey operations, search and rescue activities, and any other event or situation deemed a serious hazard to navigation. This information is distributed to mariners worldwide by several different methods.

At the present time, there is no centralized system for collecting or distributing maritime safety information in the Arctic Ocean. The northern limits for existing reports on maritime safety information around the world are:

- At 67°N just north of the Bering Strait;
- At 67°N across the Davis Strait between Greenland and Canada; and
- At 71°N across the Norwegian and East Greenland Seas from the Norwegian North Cape to the Greenland Coast.

The region north of these limits will be covered by the new Arctic Maritime Safety Information database.

There is now growing evidence that the ice cover in the Arctic Ocean and northern seas is decreasing, both in mass and in extent. Such changes in the Arctic environment logically inspire concepts for commercial maritime exploitation of the area, and concurrently motivate increased research in the ocean. Because greater use of the Arctic is being realized by many elements of society - commercial, military and scientific - it is appropriate that the Arctic Ocean be as respected as the other temperate oceans and navigated with concern for the presence of maritime hazards.

**APPLICABILITY:** This announcement is intended for those who deploy structures in the Arctic Ocean, conduct Arctic Ocean based activities, or deploy scientific remote sensing systems in the Arctic Ocean – similar to activities and objects that are now considered hazards and are reported as such in the temperate oceans. Similarly, those mariners who use the high-latitude waters (military and civilian) should become familiar with the new database to enable them to obtain maritime hazard information previously unavailable.

The hazards considered appropriate for reporting include, but are not limited to: rock dredges, grab samplers, piston corers, Niskin bottle rosettes, sediment traps, current meters, geophysical operations, any bottom moored buoy or bottom mounted structure, and unmanned or autonomous underwater vehicles (UUV/AUV). Objects suspended through the ice to a depth of 30 meters or greater should also be reported.

**PROCEDURE:** At present, for the Arctic Ocean, there is no internationally defined navigation safety area, no area control authority, nor any broad-area-capable radio broadcast by which maritime warnings, hazards to navigation, or Notices to Mariners (NtM's) can be collected and distributed to vessels at sea. The database described here is intended to fill this void with a simple internet-based system predicated on timely reporting and posting of hazards. Mariners anticipating their voyage to the Arctic should consult the NIMA web site (<http://pollux.nss.nima.mil>) in advance to obtain a list of all submitted hazards. Concurrent with the posting of hazards, NIMA has established the Arctic Maritime Safety Information (AMSI) database.

The NIMA Maritime Safety Division will:

1. Manage a database of information that will support the safety of vessels of all nations at sea in the international waters of Arctic Ocean and adjacent seas outside (north) of all current maritime safety information systems.
2. Prepare and make available a form for reporting all maritime hazards in the Arctic Region. This form is available on the website and in Section III of the weekly Notice to Mariners.
3. Maintain a "Arctic Maritime Safety Information" query page on the NIMA Maritime Safety Information Division Web site (<http://pollux.nss.nima.mil>) under the "Broadcast Messages" menu item. All maritime hazards and warnings reported to NIMA in the international waters of the Arctic Ocean and adjacent seas will be posted to this query page.

Procedures to report a maritime hazard in the Arctic:

Individuals or organizations creating, placing or observing a maritime hazard in the Arctic area defined above are requested to do the following (Refer to AMSI Reporting Sheet in the back of this Notice to Mariners):

### SECTION III

1. Document the hazard.
  - a. Include the reporting individual/organization (with point of contact), voice telephone number and/or email address.
  - b. Describe the hazard – What is it? (e.g. dredge, buoy, current meter); How much of the water column is occupied? (e.g. “bottom to surface”, “surface to 500m”).
  - c. Where is the hazard located? Use Mercator coordinates. If drifting or moving in or outside of pack ice, provide insertion location. Provide set and drift and/or removal location, if known.
  - d. Date of insertion in the water.
  - e. Date of removal and/or cancellation of the hazard.
  - f. Indicate if the position of the hazard will be remotely monitored.
2. Submit report to NIMA by email at [nawsafety@nima.mil](mailto:nawsafety@nima.mil), by telephone to the watch desk at 1-301-227-3147 or 1-800-362-6289, or by telefax at 1-301-227-3731.
3. Individuals and organizations monitoring drifting hazards in the water for indefinite periods or longer than three weeks should provide a weekly updated position and current point of contact as in step 1 above.
4. Individuals and organizations with existing hazards now implanted in the Arctic Ocean are requested to submit Arctic Maritime Safety Information Report Sheets to ensure that the database is up-to-date.



## 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 NIMA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NIMA's 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, NIMA 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 NIMA's Bathymetric Data Base. 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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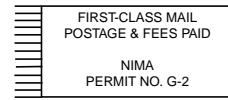
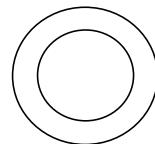
Digitized by srujanika@gmail.com

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL IMAGERY AND MAPPING 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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Digitized by srujanika@gmail.com

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

Verified by Navigator: Yes No

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

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

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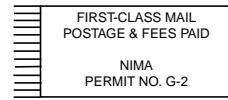
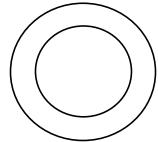
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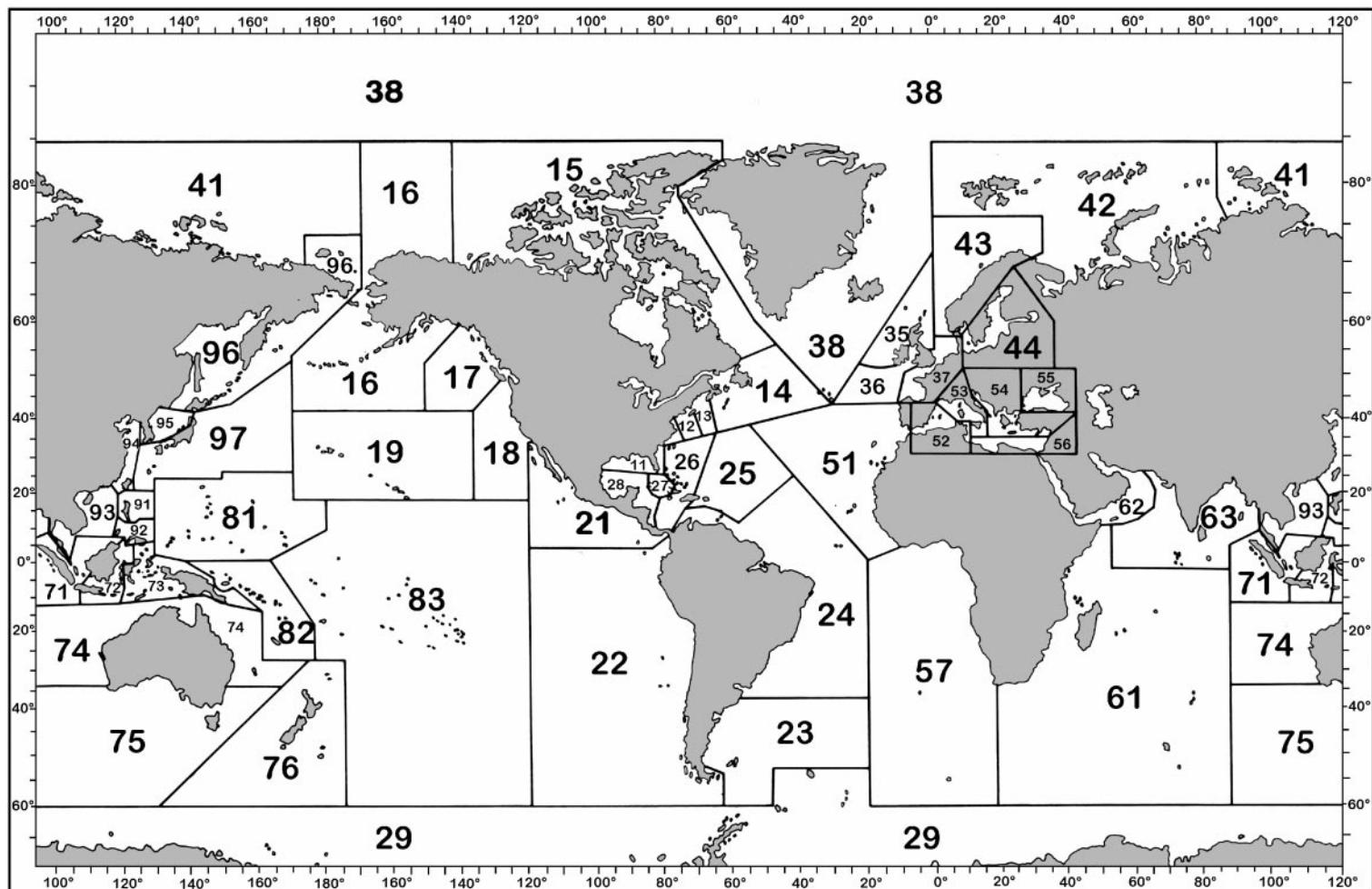
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## GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA 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 Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

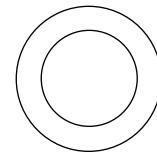
AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

ATTN: JNAH  
8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

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# IMPORTANT NAVIGATIONAL INFORMATION TIME—DATED



NOTICE TO  
MARINERS

PLEASE EXPEDITE DELIVERY