



No. 32  
9 AUGUST 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/>**



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## 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 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, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use 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>
Russell Ralph	Seattle, WA

**Cover Photo:** The **USS KEARSARGE (LHD-3)** is the third in a series of seven *WASP* class multipurpose amphibious assault ships built by Ingalls Shipbuilding in Pascagoula, MS. **KEARSARGE** is the fourth ship to bear this name, with an historical lineage that dates back to the Civil War. Hers is one of only two names that Congress has mandated the US Navy will always have a ship named. Her principal mission is to embark, deploy, land and support a Marine landing force. The ship is specifically designed to accommodate Air Cushion Landing Craft (LCAC) for fast troop movement over the beach, and AV-8B Harrier aircraft to provide close-in air support for the assault force. **KEARSARGE** can also carry as many as 26 Navy/USMC helicopters for troop movement, air support and Search and Rescue Operations. The ship's extensive medical facilities include six fully-equipped operating rooms and a 600-bed hospital for combat support, as well as for humanitarian missions during peacetime. Commissioned 16 October 1993, the **KEARSARGE** is 844 feet in length, has a beam of 110 feet, a draft of 28 feet and can accommodate a crew of 1,009 sailors and 73 officers. During her recent deployment in support of Operation Enduring/Iraqi Freedom, the **KEARSARGE** served as the flagship for Commander, Amphibious Task Force EAST, and carried more than 1,700 Marines from the Second Marine Expeditionary Brigade to the Northern Arabian Gulf. The homeport of the **KEARSARGE** is Norfolk, Virginia.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 32/03**

# HYDROGRAM

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

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

**9 August 2003**

## **NEW EDITION OF COAST PILOT**

U.S. COAST PILOT 8, ALASKA: DIXON ENTRANCE TO CAPE SPENCER, TWENTY-FIFTH EDITION, 2003, IS READY FOR ISSUE. SEE SECTIONS II AND III.

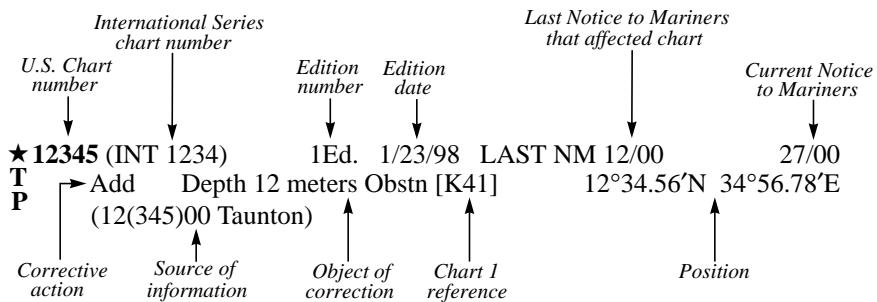
## **NEW EDITION OF SAILING DIRECTIONS**

PUB. 192, SAILING DIRECTIONS (ENROUTE) NORTH SEA, EIGHTH EDITION, 2003, IS READY FOR ISSUE. THIS EDITION IS PRODUCED BY NIMA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND 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 32/03**

<b>★50</b> (INT 50) (NOS)	6Ed. 6/03 NEW EDITION	32/03	Beacon "B" W (26/03 CG8)	27°51'50.2"N 97°02'58.3"W
<b>★500</b> (INT 810) (NOS)	8Ed. 6/03 NEW EDITION	32/03	<b>★11312</b> 3Ed. 10/20/01 LAST NM 23/03 Delete Range light, rear Note: Range light, front and range line remain (Supersedes 36/02-11312)	32/03 27°48'39.3"N 97°10'52.3"W
<b>531</b> 21Ed. 2/2/02 LAST NM 24/03 Add Depth 3½ fathoms Obstn [K41] (NOS)		32/03 59°50'N 147°57'W	Buoy "WR101" Buoy "99"	27°51'46.0"N 97°03'00.7"W 27°51'49.9"N 97°02'59.8"W
<b>1116A</b> Add Ed. 11/02 LAST NM 31/03 Dangerous wreck [K28] (PA) Note: Platform close N remains		32/03 28°41.5'N 91°30.2'W	Add Range light, rear Iso 6s 125ft (Day), Iso 6s 128ft (Night), QY 36ft 3M Note: Range bearing unchanged	27°48'39.4"N 97°10'53.3"W
	Platform [L10] Dangerous wreck [K28] (PA)	28°05.3'N 90°44.2'W 28°53.0'N 90°40.0'W	Light "WR101" QG 17ft 4M Beacon "A" W Beacon "B" W (26/03 CG8)	27°51'49.4"N 97°03'01.1"W 27°51'45.6"N 97°03'00.2"W 27°51'50.2"N 97°02'58.3"W
<b>1117A</b> Add Ed. 4/03 LAST NM 31/03 Platform [L10] (26/03 CG8)		32/03 28°29.2'N 95°42.3'W	<b>11314</b> 22Ed. 3/03 LAST NM 22/03 <b>(Side A)</b> Delete Buoy "WR101" Note: Stranded wreck remains	32/03 27°51'46"N 97°03'01"W
<b>11004</b> Add 7Ed. 10/29/94 LAST NM 30/03 Dangerous wreck [K28] (PA) (26/03 CG8)		32/03 28°41.5'N 91°30.2'W	Substitute Light "WR101" QG 17ft 4M for buoy "99" 27°51'49.4"N 97°03'01.1"W	
<b>★11300</b> Add 39Ed. 4/03 LAST NM 31/03 Platform [L10] (26/03 CG8)		32/03 28°29.2'N 95°42.3'W	Add Beacon "A" W Beacon "B" W (26/03 CG8)	27°51'45.6"N 97°03'00.2"W 27°51'50.2"N 97°02'58.3"W
<b>11301</b> Relocate 23Ed. 9/8/01 LAST NM 24/03 Range light, rear from 26°03'57"N 97°11'02"W to Note: Range bearing unchanged (26/03 CG8)		32/03 26°03'57"N 97°10'52" W	<b>★11340</b> 67Ed. 11/02 LAST NM 31/03 Add Dangerous wreck [K28] (PA) Note: Platform close N remains	32/03 28°41.5'N 91°30.2'W
			Platform [L10] Dangerous wreck [K28] (PA) (26/03 CG8)	28°05.3'N 90°44.2'W 28°53.0'N 90°40.0'W
<b>11305</b> Delete 1Ed. 10/2/99 LAST NM N7/03 Range light, rear Note: Range light, front and range line remain (Supersedes N36/02-11305)		N32/03 27°48'39.4"N 97°10'52.3"W	<b>★11347</b> 33Ed. 7/02 LAST NM 31/03 <b>(Side A)</b> Delete Range light, rear from 29°48'41.0"N 93°21'00.8"W to Note: Range bearing unchanged	32/03 29°48'39.9"N 93°21'01.6"W
	Add Range light, rear Iso 6s 125ft (Day), Iso 6s 128ft (Night), QY 36ft 3M	27°48'39.4"N 97°10'53.3"W	Range light, rear from 30°06'06.7"N 93°19'28.0"W to and change height to 60ft Note: Range bearing unchanged	30°06'09.5"N 93°19'26.0"W
	Note: Range bearing unchanged (26/03 CG8)		<b>(Side B)</b> Relocate Range light, rear from 30°06'06.7"N 93°19'26.8"W to and change height to 60ft Note: Range bearing unchanged (26/03 CG8)	30°06'09.5"N 93°19'26.0"W
<b>11308</b> Delete 22Ed. 11/02 LAST NM 25/03 <b>(Side A)</b> Range light, rear Note: Range light, front and range line remain		32/03 27°48'39"N 97°10'52" W	<b>★11348</b> 19Ed. 8/25/01 LAST NM 31/03 <b>(Side A)</b> Change Height of range light, rear to 60ft (26/03 CG8)	32/03 30°06'09.5"N 93°19'26.0"W
	Add Range light, rear Iso 6s 125ft (Day), Iso 6s 128ft (Night), QY 36ft 3M	27°48'39.4"N 97°10'53.3"W		
	Note: Range bearing unchanged (26/03 CG8)			
<b>11309</b> Delete 36Ed. 1/12/02 LAST NM 25/03 Buoy "WR101" Note: Stranded wreck remains		32/03 27°51'46"N 97°03'01"W	<b>★11357</b> 35Ed. 6/02 LAST NM 31/03 Add Dangerous wreck [K28] (PA) (26/03 CG8)	32/03 28°53'00"N 90°40'00"W
	Substitute Light "WR101" QG 17ft 4M for buoy "99" 27°51'49.4"N 97°03'01.1"W			
	Change Range light, rear to Iso 6s 125ft (Day), Iso 6s 128ft (Night), QY 36ft 3M	27°48'39"N 97°10'52" W	<b>★11358</b> 51Ed. 3/30/02 LAST NM 21/03 Add Platform [L10] (26/03 CG8)	32/03 29°03'55"N 90°10'18.1"W
	Add Beacon "A" W Beacon "B" W (26/03 CG8)	27°51'45.6"N 97°03'00.2"W 27°51'50.2"N 97°02'58.3"W		
<b>11310</b> Delete 1Ed. 9/25/99 LAST NM N23/03 Buoy "WR99" Buoy "97"		N32/03 27°51'45.9"N 97°03'00.9"W 27°51'49.5"N 97°02'59.8"W	<b>11365</b> 17Ed. 10/02 LAST NM 9/03 <b>(Side B)</b> Add Platform [L10] (26/03 CG8)	32/03 29°03'55.4"N 90°10'18.1"W
	Add Light "WR101" QG 17ft 4M Beacon "A" W	27°51'49.4"N 97°03'01.1"W 27°51'45.6"N 97°03'00.2"W		

## SECTION I

<b>11389</b>	32Ed. 10/13/01 LAST NM 7/03 Delete Legend "Range...(2002)" (Supersedes 7/03-11389) (26/03 CG8)	32/03 30°06'22"N 85°44'54"W	Depth 15 feet Depth 15 feet Legend "rky" Legend "rky" (NOS)	39°43'20"N 75°29'56"W 39°43'25"N 75°29'55"W 39°43'16"N 75°29'58"W 39°43'28"N 75°29'54"W
<b>11390</b>	22Ed. 3/30/02 LAST NM 30/03 <b>(Side A)</b> Delete Legend "Range...(2002)" (Supersedes 7/03-11390)	32/03 30°08'18"N 85°42'11"W	<b>★12316</b> 29Ed. 11/02 LAST NM 6/03 <b>(Side A)</b> Delete Depth 35 feet Add (NOS) Depth 24 feet Wk [K26]	32/03 39°19'42"N 74°25'07"W 39°19'40"N 74°25'06"W
	Change Height of range light, rear to 36ft (26/03 CG8)	30°10'09"N 85°45'26"W		
<b>★11391</b>	22Ed. 5/5/01 LAST NM 21/03 Delete Legend "Range...(2002)" (Supersedes 7/03-11391) (26/03 CG8)	32/03 30°08'23"N 85°42'09"W	<b>12318</b> 41Ed. 12/02 LAST NM 9/03 Add (NOS) Depth 24 feet Wk [K26]	32/03 39°19'40"N 74°25'06"W
<b>★11392</b>	6Ed. 2/12/00 LAST NM 21/03 Delete Range lights (2) and range line between 30°10'09.6"N 85°45'25.8"W 30°10'30.8"N 85°44'13.0"W (Supersedes 21/03-11392)	32/03 30°10'11.74"N 85°45'21.01"W	<b>12354</b> 39Ed. 12/15/01 LAST NM 23/03 Delete Racon from light (24/03 CG1)	32/03 41°03'36"N 73°06'04"W
	Add Range light, front QG 25ft	30°10'09.25"N 85°45'25.90"W	<b>12363</b> 39Ed. 7/15/00 LAST NM 27/03 Delete Racon from light (24/03 CG1)	32/03 41°03'35"N 73°06'05"W
	Range light, rear Oc G 4s 36ft	30°10'09.25"N 85°45'25.90"W		
	Range line extending in 059°54' direction from above rear light dashed for 892 yards, thence solid for 568 yards		<b>★12364</b> 34Ed. 3/03 LAST NM 27/03 <b>(Page D, Inset 7)</b> Change Legend to "15 FT FOR A MID-WIDTH OF 100 FT 2001" Legend to "14 FT FOR A MID-WIDTH OF 100 FT 2001" Legend to "12 1/2 FT MID-WIDTH OF 60 FT 2001"	32/03 41°01'00"N 73°32'13"W 41°01'33"N 73°32'14"W 41°02'08"N 73°32'34"W
	(26/03 CG8)			Legend to "12 FT MID 50 FT 2001" 41°02'00"N 73°32'12"W
<b>★11409</b>	28Ed. 5/03 NEW EDITION (NOS)	32/03		
<b>★11478</b>	20Ed. 5/03 NEW EDITION Change Legend to "WEST BASIN 28 1/2 FT APR 2003 (PROJECT DEPTH 31 FT)" 28°24'49.5"N 80°37'28.0"W Legend to "12 FT APR 2003" 28°24'33.5"N 80°37'04.0"W Legend to "15 FT APR 2003" 28°24'54.0"N 80°36'30.0"W Legend to "33 1/2 FT APR 2003 (PROJECT DEPTH 35 FT)" 28°24'52.0"N 80°36'31.5"W Legend to "MIDDLE BASIN 38 1/2 FT APR 2003 (PROJECT DEPTH 39 FT)" 28°24'43.0"N 80°36'32.0"W Legend to "31 FT APR 2003" 28°24'32.0"N 80°35'51.5"W Legend to "EAST BASIN 39 FT APR 2003 (PROJECT DEPTH 41 FT)" 28°25'06.0"N 80°35'44.0"W Legend to "37 1/2 FT APR 2003" 28°24'31.0"N 80°34'32.0"W (Previously published 28/03)	32/03 28°24'49.5"N 80°37'28.0"W 28°24'33.5"N 80°37'04.0"W 28°24'54.0"N 80°36'30.0"W 28°24'52.0"N 80°36'31.5"W 28°24'43.0"N 80°36'32.0"W 28°24'32.0"N 80°35'51.5"W 28°25'06.0"N 80°35'44.0"W 28°24'31.0"N 80°34'32.0"W (Previously published 28/03)	<b>★12369</b> 25Ed. 6/02 LAST NM 44/02 Delete Racon from light (24/03 CG1)	32/03 41°03'35.3"N 73°06'05.0"W
	Add Depth 37 feet	28°25'02.3"N 80°35'37.9"W	<b>★13244</b> 39Ed. 3/30/02 LAST NM 7/03 Relocate Buoy "GRS" from 41°26'06"N 69°43'20"W to 41°26'08"N 69°43'18"W (24/03 CG1)	32/03 41°03'36"N 73°06'05"W
	Depth 33 feet	28°24'52.7"N 80°37'41.4"W		
	Tabulation of controlling depths from Subsection I-2 (Previously published 28/03)		<b>13260</b> 38Ed. 4/27/02 LAST NM 29/03 Add Open-outlined arrow indicating flow of traffic [M10] oriented 015° 44°39.5'N 66°13.0'W Open-outlined arrow indicating flow of traffic [M10] oriented 195° 44°40.6'N 66°17.5'W (See 26/03-13260) (NTM0002/2003)	32/03 44°39.5'N 66°13.0'W 44°40.6'N 66°17.5'W
	(NOS)			
<b>12201</b>	25Ed. 7/17/99 LAST NM N24/03 Delete Legend "ALPHA" Legend "BRAVO"	N32/03 34°32.5"N 74°27.5'W 34°31.0"N 74°20.5'W	<b>13274</b> 24Ed. 5/12/01 LAST NM 16/03 <b>(Side B)</b> Delete BELL from buoy "2" (23/03 CG1)	32/03 42°40'03"N 70°35'15"W
	Brown hachured line joining	34°30.0'N 74°38.3'W 34°36.0'N 74°30.0'W 34°42.6'N 74°30.0'W 34°30.0'N 74°15.5'W	<b>13278</b> 25Ed. 12/9/00 LAST NM 9/03 Delete BELL from buoy "2" (23/03 CG1)	32/03 42°40'02" 70°35'12"W
	Brown hachured line joining	34°30.0'N 74°26.0'W 34°33.5'N 74°21.0'W 34°35.0'N 74°21.0'W	<b>★13279</b> 30Ed. 3/03 LAST NM 20/03 Delete BELL from buoy "2" (23/03 CG1)	32/03 42°40'02.6" 70°35'14.3"W
	(NTM0002/2003)			
<b>★12312</b>	52Ed. 1/03 LAST NM 24/03 Delete Depth 23 feet	32/03 39°43'14"N 75°30'00"W	<b>13302</b> 21Ed. 11/3/01 LAST NM 9/03 Delete Legend "35 FT 1992" Depth 33 feet Add Depth 36 feet Depth 31 feet Depth 37 feet (NOS)	32/03 44°26'50"N 68°53'51"W 44°26'42"N 68°53'52"W 44°26'57"N 68°53'42"W 44°26'55"N 68°53'56"W 44°26'40"N 68°53'49"W
	Substitute Depth 13 feet for 22 feet	39°43'32"N 75°29'50"W		
	Depth 13 feet for 23 feet	39°43'13"N 75°30'00"W		
	Add Depth 14 feet	39°43'32"N 75°29'58"W		

## SECTION I

**NM 32/03**

<b>★13309</b>	28Ed. 9/02 LAST NM 9/03 Delete Dashed line joining	32/03 44°27'00"N 68°53'59"W 44°27'02"N 68°53'55"W 44°26'58"N 68°53'38"W	<b>14259</b> 3Ed. 3/4/95 LAST NM 39/01 Change Visibility (range) of light to 12M (3(1220)03 Ottawa)	32/03 50°05'20"N 66°22'37"W
	Legend "35 FEET MAY 1992" Depth 33 feet Depth 33 feet	44°26'51"N 68°53'51"W 44°26'57"N 68°53'56"W 44°26'46"N 68°53'56"W		
Add	Depth 36 feet Depth 36 feet Depth 31 feet Depth 34 feet Depth 36 feet Depth 37 feet Depth 37 feet	44°26'57"N 68°53'42"W 44°26'57"N 68°53'50"W 44°26'55"N 68°53'56"W 44°26'53"N 68°53'52"W 44°26'47"N 68°53'46"W 44°26'44"N 68°53'54"W 44°26'40"N 68°53'49"W		
	Dashed line between	44°27'00"N 68°53'59"W 44°26'58"N 68°53'38"W		
(NOS)				
<b>14002</b>	57Ed. 4/15/95 LAST NM 21/02 Change Light to L Fl 6s 110ft 8M (Can LL)	32/03 46°32.0'N 63°30.4'W		
<b>14010</b>	5Ed. 12/17/94 LAST NM 26/03 Change Visibility (range) of light to 12M Visibility (range) of light to 8M (3(1220)03 Ottawa; Can LL)	32/03 50°05.3'N 66°22.6'W 46°32.0'N 63°30.4'W		
<b>14062</b>	17Ed. 5/20/95 LAST NM 14/01 Change Light to Fl G 4s 5m (Can LL)	32/03 44°15.8'N 66°20.9'W		
<b>14110</b>	42Ed. 12/31/94 LAST NM 26/01 Delete Light (3(4306)03 Ottawa)	32/03 45°31'18"N 61°14'58"W		
<b>14111</b>	7Ed. 2/18/95 LAST NM 14/03 Delete Light (3(4306)03 Ottawa)	32/03 45°31'18.3"N 61°14'58.4"W		
<b>14112</b>	5Ed. 2/11/95 LAST NM 26/01 Delete Light (3(4306)03 Ottawa)	32/03 45°31'18"N 61°14'58"W		
<b>14146</b>	2Ed. 2/4/95 LAST NM 31/01 Delete BELL from buoy (3(4023)03 Ottawa)	32/03 46°02'05"N 62°27'08"W		
<b>14151</b>	2Ed. 6/3/95 LAST NM 37/02 Delete BELL from buoy (3(4023)03 Ottawa)	32/03 46°02'05"N 62°27'08"W		
<b>14169</b>	2Ed. 2/11/95 LAST NM 18/95 Change Height of light to 7m (Can LL)	32/03 45°41'18.3"N 62°40'43.0'W		
<b>14184</b>	Ed. 2/19/99 LAST NM N40/01 Delete Range line and legend "018½° and 198½°" between Note: Range lights remain	N32/03 47°55'36.0"N 65°07'24.0"W 47°49'06.0"N 65°10'30.0"W		
Change	Height of light to 23ft Height of light to 40ft	47°49'07.9"N 65°10'35.0"W 47°49'02.1"N 65°10'39.0"W		
Add	Range line extending "025°" direction from front range light solid for 7.3 miles	47°49'07.9"N 65°10'35.0"W		
	Legend "025°-205°" along above range line	47°53'14.0"N 65°07'54.0"W		
	(3(4486)03 Ottawa)			
<b>14228</b>	11Ed. 3/11/95 LAST NM 6/03 (Panel B) Delete Position circle "Tr 307m RLts Stroboscope"	32/03 46°51'41"N 71°04'44"W (3(1317)03 Ottawa)		
<b>14259</b>	3Ed. 3/4/95 LAST NM 39/01 Change Visibility (range) of light to 12M (3(1220)03 Ottawa)			
<b>14260</b>	47Ed. 1/28/95 LAST NM 26/03 Change Visibility (range) of light to 12M (3(1220)03 Ottawa)			
<b>14263</b>	15Ed. 3/25/95 LAST NM 26/03 Change Visibility (range) of light to 12M (3(1220)03 Ottawa)			
<b>14329</b>	5Ed. 1/14/95 LAST NM 20/01 Delete Light (Plan A) Delete Light (3(4634)03 Ottawa)			
<b>14354</b>	2Ed. 3/18/95 LAST NM 42/00 Delete Buoy "EG"			
Add	Buoy "EGS" YBY, pillar, double cone topmark points together, VQ(9) 10s (3(4839)03 Ottawa)			
<b>14758</b>	Ed. 12/15/95 LAST NM N41/01 (Lower Panel) Change Light to Fl R 2.5s 9m Light to Fl G 2.5s 9m			
	(Upper Panel) Delete Dashed line between			
Substitute	Depth 5.1 meters for 5.2 meters			
	Depth 5.8 meters "(2001)" for 5.6 meters "(1993)"			
	Depth 6.4 meters "(2001)" for 5.5 meters "(1992)"			
Add	Dashed line between			
	Legend "8.2m (2001)"			
Delete	(Inset Prescott/Ogdensburg) Depth 3 meters Depth 8.1 meters			
	Dashed line between			
Substitute	Depth 5.1 meters for 5.2 meters			
	Depth 5.8 meters "(2001)" for 5.6 meters "(1993)"			
	Depth 6.4 meters "(2001)" for 5.5 meters "(1992)"			
Add	Depth 2.2 meters for 2.4 meters			
	Depth 5.5 meters for 3.7 meters			
	Depth 4.7 meters Depth 4.2 meters			
	Dashed line between			
	Depth 7.2 meters Depth 7.5 meters Legend "8.2m (2001)"			
	(3(1435)03 Ottawa)			
<b>★14926</b>	10Ed. 4/03 NEW EDITION (Page 7) Change Height of light "A" to 10ft			
	41°53'46.7"N 87°36'08.8"W			

(continued on next page)

<b>14926</b>	(Continued) <b>(Page 29)</b>			
Change	Height of light "A" to 10ft (NOS; USCG LL)	41°53'48"N 87°36'08"W		
<b>15066</b>	5Ed. 7/12/97 LAST NM 36/97 Add Depth 7.9 meters (3(4728)03 Ottawa)	32/03 53°21'02.5"N 60°21'08.9"W		
<b>16006</b>	33Ed. 12/23/00 LAST NM 6/03 Add Depth 1 fathom (NOS)	32/03 56°03.6'N 156°38.2'W		
<b>16011</b>	35Ed. 12/2/00 LAST NM 31/03 Add Depth 1 fathom (NOS)	32/03 56°03.6'N 156°38.2'W		
<b>16013</b>	28Ed. 4/14/01 LAST NM 29/03 Substitute Depth 3½ fathoms for 12 fathoms	32/03 59°46.3'N 147°56.4'W		
Add	Depth 2¾ fathoms Rk [K14.2] Depth 3½ fathoms Obstn [K41] Depth 2¼ fathoms Depth 1 fathom	59°54.7'N 148°12.0'W 59°49.6'N 147°56.9'W 59°44.7'N 147°51.6'W 56°03.6'N 156°38.2'W		
	<b>(Inset)</b> Substitute Depth 1 fathom for 28 fathoms	56°03.6'N 156°38.2'W		
Add (NOS)	Depth 2¾ fathoms Rk [K14.2]	59°54.7'N 148°12.0'W		
<b>16680</b>	10Ed. 7/10/99 LAST NM 6/03 Add Rock awash [K12] Depth 7 fathoms Rk [K14.2] (NOS)	32/03 59°56.0'N 148°15.3'W 59°55.4'N 148°14.0'W		
<b>16683</b>	9Ed. 1/29/00 LAST NM 17/03 Add Rock awash [K12] Depth 7 fathoms Rk [K14.2] Depth 2¾ fathoms Rk [K14.2] (NOS)	32/03 59°56.0'N 148°15.19'W 59°55.23'N 148°13.58'W 59°56.05'N 148°14.01'W		
<b>16700</b>	27Ed. 3/9/02 LAST NM 22/03 Delete Depth 18 fathoms	32/03 59°55.7'N 148°08.9'W		
	Substitute Depth 4¼ fathoms Rk [K14.2] for 6¼ fathoms	59°55.2'N 148°12.6'W		
	Depth 4¾ fathoms for 14 fathoms Depth 7½ fathoms for 15 fathoms	59°48.6'N 147°57.7'W 59°46.6'N 147°58.1'W		
Add	Rock awash [K12] Depth 7 fathoms Rk [K14.2] Depth 5¼ fathoms Rk [K14.2] Depth 2¾ fathoms Rk [K14.2] Depth 3½ fathoms Rk [K14.2] Depth 2¾ fathoms Rk [K14.2] Depth 3½ fathoms Obstn [K41] Depth 4½ fathoms Depth 5½ fathoms Depth 4½ fathoms Depth 4¾ fathoms Depth 6½ fathoms Depth 7¼ fathoms Depth 7½ fathoms Depth 1½ fathoms Depth 6 fathoms Depth 3½ fathoms Depth 2¼ fathoms Depth 3¾ fathoms (NOS)	59°56.0'N 148°15.3'W 59°55.4'N 148°14.0'W 59°55.5'N 148°11.9'W 59°56.1'N 148°14.0'W 59°55.7'N 148°08.4'W 59°54.7'N 148°12.3'W 59°49.6'N 147°56.9'W 59°49.9'N 147°55.6'W 59°49.3'N 147°55.7'W 59°46.6'N 147°56.9'W 59°48.2'N 147°58.3'W 59°48.0'N 147°57.6'W 59°47.6'N 147°58.3'W 59°46.9'N 147°58.0'W 59°47.0'N 147°56.7'W 59°46.3'N 147°57.0'W 59°46.3'N 147°56.4'W 59°44.7'N 147°51.6'W 59°44.3'N 147°51.8'W		
<b>★16701</b>	18Ed. 3/9/02 LAST NM 22/03 Delete Depth 9 fathoms	32/03 59°55.50'N 148°12'04"W		
	Substitute Depth 4¼ fathoms Rk [K14.2] for 6¼ fathoms	59°55.10'N 148°12'34"W		
	Depth 5¼ fathoms Rk [K14.2] for 10 fathoms	59°55.32'N 148°11.56'W		
	Depth 5 fathoms Rk [K14.2] for 15 fathoms	59°55.40'N 148°12'09"W		
	Depth 3¼ fathoms for 11 fathoms	59°49.37'N 147°55'40"W		
			Depth 4¾ fathoms for 14 fathoms 59°48.36'N 147°57'42"W	
			Depth 3½ fathoms for 11 fathoms 59°46.18'N 147°56'21"W	
			Add Rock awash [K12] Rock awash [K12] Rock awash [K12] Rock awash [K12] Rock awash [K12] Rock awash [K12] Depth 7 fathoms Rk [K14.2] Depth 3½ fathoms Rk [K14.2] Depth 4¼ fathoms Rk [K14.2] Depth 7¼ fathoms Rk [K14.2] Depth 4¼ fathoms Rk [K14.2] Depth 3 fathoms Rk [K14.2] Depth 5¼ fathoms Rk [K14.2] Depth 2¾ fathoms Rk [K14.2] Depth 3½ fathoms Obstn [K41] Depth 5¼ fathoms Depth 4½ fathoms Depth 5½ fathoms Depth 4½ fathoms Depth 4¾ fathoms Depth 6½ fathoms Depth 7½ fathoms Depth 1½ fathoms Depth 6 fathoms Depth 3½ fathoms Depth 2¼ fathoms Depth 3¾ fathoms (NOS)	
			59°50.39'N 147°55'04"W 59°56.01'N 148°15'19"W 59°56.01'N 148°10'08"W 59°55.59'N 148°10'34"W 59°57.40'N 148°12'36"W 59°55.23'N 148°13'58"W 59°55.40'N 148°08'26"W 59°56.02'N 148°09'16"W 59°55.32'N 148°11'31"W 59°55.46'N 148°11'53"W 59°55.53'N 148°10'58"W 59°55.45'N 148°11'14"W 59°56.05'N 148°14'01"W 59°54.44'N 148°12'16"W 59°49.35'N 147°56'53"W 59°51.51'N 147°53'45"W 59°49.55'N 147°55'34"W 59°49.17'N 147°55'40"W 59°46.36'N 147°56'55"W 59°48.09'N 147°58'20"W 59°48.01'N 147°57'35"W 59°47.34'N 147°58'18"W 59°46.54'N 147°57'57"W 59°46.34'N 147°58'03"W 59°46.59'N 147°56'40"W 59°46.54'N 147°57'05"W 59°46.15'N 147°57'01"W 59°44.40'N 147°51'33"W 59°44.22'N 147°51'38"W 59°44.15'N 147°51'45"W	
<b>16702</b>	10Ed. 6/13/98 LAST NM 22/03 Delete Depth 6¾ fathoms	32/03 59°57'40"N 148°12'36"W		
	Substitute Depth 4¼ fathoms Rk [K14.2] for 6¼ fathoms	59°55'10"N 148°12'34"W		
	Depth 4¼ fathoms Rk [K14.2] for 9 fathoms	59°55'46"N 148°11'53"W		
Add	Rock awash [K12] Rock awash [K12] Rock awash [K12] Rock wash [K12] Depth 7 fathoms Rk [K14.2] Depth 3½ fathoms Rk [K14.2] Depth 4¼ fathoms Rk [K14.2] Depth 5¼ fathoms Rk [K14.2] Depth 5 fathoms Rk [K14.2] Depth 7½ fathoms Rk [K14.2] Depth 4½ fathoms Rk [K14.2] Depth 4¾ fathoms Rk [K14.2] Depth 6½ fathoms Rk [K14.2] Depth 5½ fathoms Rk [K14.2] Depth 4½ fathoms Rk [K14.2] Depth 4¾ fathoms Rk [K14.2] Depth 2¾ fathoms Rk [K14.2] Depth 2¾ fathoms Rk [K14.2] (NOS)	59°56.01'N 148°15'19"W 59°56.01'N 148°10'08"W 59°55.59'N 148°10'34"W 59°57.40'N 148°12'36"W 59°55.23'N 148°13'58"W 59°55.40'N 148°08'26"W 59°56.02'N 148°09'16"W 59°55.32'N 148°11'56"W 59°55.40'N 148°12'09"W 59°55.32'N 148°11'31"W 59°55.53'N 148°10'58"W 59°55.45'N 148°11'14"W 59°56.05'N 148°14'01"W 59°54.44'N 148°12'16"W		
<b>18400</b>	43Ed. 12/02 LAST NM 30/03 Relocate Light from 48°06.6'N 122°46.0'W to	32/03 48°06.6'N 122°45.6'W		
	(NOS)			
<b>18415</b>	8Ed. 7/8/95 LAST NM 22/03 Add "Cable Area" [L30.2] bound by shore and purple dashed line joining	32/03 48°37'02"N 123°10'33"W 48°37'05"N 123°10'15"W 48°37'00"N 123°10'14"W		
	"Cable Area" [L30.2] bound by shore and purple dashed line between	48°36'53"N 123°10'29"W 48°36'56"N 123°10'09"W		
	(NOS)			
<b>18421</b>	45Ed. 12/02 LAST NM 22/03 Change Characteristic of range light, front to F RWG	32/03 49°00'07"N 123°05'27"W		
	Add "Cable Area" [L30.2] bound by shore and purple dashed line joining	48°37'02"N 123°10'33"W 48°37'05"N 123°10'15"W 48°37'00"N 123°10'14"W		

(continued on next page)

## SECTION I

NM 32/03

<b>18421</b>	(Continued)			
	"Cable Area" [L30.2] bound by shore and purple dashed line between	48°36'53"N 123°10'29"W 48°36'56"N 123°10'09"W		
	(NOS; USCG LL)			
<b>18423</b>	33Ed. 10/02 LAST NM 30/03	32/03		
Add	<b>(Page C)</b> "Cable Area" [L30.2] bound by shore and purple dashed line joining	48°37'02"N 123°10'33"W 48°37'05"N 123°10'15"W 48°37'00"N 123°10'14"W		
	"Cable Area" [L30.2] bound by shore and purple dashed line between	48°36'53"N 123°10'29"W 48°36'56"N 123°10'09"W		
Add	<b>(Page C, Inset 5)</b> "Cable Area" [L30.2] bound by shore and purple dashed line joining	48°37'02"N 123°10'33"W 48°37'05"N 123°10'15"W 48°37'00"N 123°10'14"W		
	"Cable Area" [L30.2] bound by shore and purple dashed line between	48°36'53"N 123°10'29"W 48°36'56"N 123°10'09"W		
Relocate	<b>(Page E)</b> Light (2 Fl Y 10s) from 48°06'31"N 122°45'57"W to	48°06'38"N 122°45'34"W		
	Beacon "9" from 48°05'37"N 122°43'38"W to 48°05'33"N 122°43'40"W			
Add	Light Fl (Priv)	48°06'39"N 122°45'30"W		
Relocate	<b>(Page F, Inset 9)</b> Light (2 Fl Y 10s) from 48°06'30.9"N 122°45'57.2"W to	48°06'37.7"N 122°45'34.1"W		
Add	Light Fl (Priv)	48°06'38.7"N 122°45'29.9"W		
(NOS)				
<b>★18433</b>	5Ed. 12/02 LAST NM 22/03	32/03		
Add	"Cable Area" [L30.2] bound by shore and purple dashed line joining	48°37'02.2"N 123°10'33.1"W 48°37'04.7"N 123°10'14.8"W 48°37'00.2"N 123°10'13.7"W		
	"Cable Area" [L30.2] bound by shore and purple dashed line between	48°36'52.9"N 123°10'28.7"W 48°36'55.7"N 123°10'08.9"W		
(NOS)				
<b>18440</b>	26Ed. 12/02 LAST NM 30/03	32/03		
Relocate	Light from 48°06.5"N 122°45.9"W to	48°06.6"N 122°45.6"W		
(NOS)				
<b>18441</b>	42Ed. 5/1/02 LAST NM 30/03	32/03		
Relocate	Light (2 Fl Y 10s) from 48°06'31"N 122°45'57"W to	48°06'38"N 122°45'34"W		
Add	Light Fl (Priv)	48°06'39"N 122°45'30"W		
<b>18471</b>	8Ed. 1/19/02 LAST NM 30/03	32/03		
Relocate	Beacon "9" from 48°05'35"N 122°43'37"W to 48°05'32.9"N 122°43'39.6"W			
	Beacon "6" from 48°05'12"N 122°44'01"W to 48°05'13.4"N 122°43'58.3"W			
	Light (2 Fl Y 10s) from 48°06'31"N 122°45'56"W to 48°06'37.7"N 122°45'34.1"W			
Add	Light Fl (Priv)	48°06'38.7"N 122°45'29.9"W		
(NOS)				
<b>★18725</b>	27Ed. 6/03 NEW EDITION	32/03		
Add	Wreck [K29] "Rep (2003)" (PA) (Previously published 25/03)	34°07'42"N 119°13'24"W		
(NOS)				
<b>22008</b>	35Ed. 9/6/97 LAST NM 29/03	32/03		
	Add Wreck [K29]	(6(40)03 Callao)	7°03.0'S 80°40.0'W	
<b>22012</b>	31Ed. 11/8/97 LAST NM 29/03	32/03		
	Add Wreck [K29]	(6(43)03 Callao)	18°01.5'S 70°57.5'W	
<b>22120</b>	3Ed. 9/1/01 LAST NM 29/03	32/03		
	Add Platform with light flare symbol [L10]	(6(38)03 Callao)	4°44.3'S 81°21.3'W	
<b>22121</b>	9Ed. 3/2/96 LAST NM 29/03	32/03		
	Add Platform with light flare symbol [L10]	(6(38)03 Callao)	4°44'16"S 81°21'20"W	
<b>22124</b>	2Ed. 4/6/96 LAST NM 29/03	32/03		
	Add Platform with light flare symbol [L10]	(6(38)03 Callao)	4°44'16"S 81°21'20"W	
	<b>(Plan)</b>			
	Substitute Double dashed line with legend "Ruins" for double solid line between	5°05'02.0"S 81°06'50.0'W 5°04'57.0"S 81°06'49.5'W		
	(6(38, 39)03 Callao)			
<b>22130</b>	2Ed. 6/22/96 LAST NM 29/03	32/03		
	Add Wreck [K29]	(6(40)03 Callao)	7°03.0'S 80°40.0'W	
<b>22180</b>	2Ed. 5/6/95 LAST NM 34/02	32/03		
	Add Dangerous wreck [K28]	(6(42)03 Callao)	15°22.5'S 75°11.9'W	
<b>22183</b>	3Ed. 5/18/96 LAST NM 20/02	32/03		
	Add Dangerous wreck [K28]	(6(42)03 Callao)	15°22'30"S 75°11'56"W	
<b>22361</b>	2Ed. 7/25/84 LAST NM N30/03	N32/03		
	Substitute Depth 12 meters enclosed by depth contour (20-meter) (PA) for 22 meters	(22(2393)03 Taunton)	45°16.7'S 73°26.7'W	
<b>22371</b>	5Ed. 8/9/97 LAST NM 30/03	32/03		
	Substitute Depth 9.2 meters, blue tint and enclosing depth contour (20-meter) (PA) for 12.9 meters	(22(2393)03 Taunton)	45°21.7'S 73°40.7'W	
	Depth 12.8 meters, blue tint and enclosing depth contour (20-meter) (PA) for 22 meters		45°16.7'S 73°26.7'W	
Add	Depth 25 meters (PA)	(22(2393)03 Taunton)	45°25.7'S 73°46.0'W	
<b>22373</b>	1Ed. 8/3/50 LAST NM N30/03	N32/03		
	Substitute Depth 12 meters enclosed by depth contour (20-meter) (PA) for 22 meters	(22(2393)03 Taunton)	45°16.7'S 73°26.7'W	
	Depth 9 meters enclosed by depth contour (20-meter) (PA) for 13 meters		45°21.7'S 73°40.7'W	
Add	Depth 25 meters (PA)	(22(2393)03 Taunton)	45°25.7'S 73°46.0'W	
<b>22379</b>	1Ed. 1/10/85 LAST NM N30/03	N32/03		
	Substitute Depth 9.2 meters, blue tint and enclosing depth contour (20-meter) (PA) for 12.9 meters	(22(2393)03 Taunton)	45°21'45"S 73°40'40"W	
Add	Depth 25 meters enclosed by depth contour (30-meter) centered (PA)	(22(2393)03 Taunton)	45°25'40"S 73°46'00"W	
<b>24050</b>	11Ed. 10/18/97 LAST NM 31/03	32/03		
	Add Buoy Y, pillar, Fl Y 3s	(1(48)03 Montevideo)	35°13.1'S 55°23.7'W	

<b>24060</b>	2Ed. 4/5/97 LAST NM 17/03 Delete "EXPLOSIVE DUMPING AREA" centered	32/03 34°10.5'S 52°55.0'W	Buoy "BR2"	53°03.7'N 3°18.6'E
Add	"EXPLOSIVE DUMPING AREA" [N23.1] bound by purple composite-line circle, radius 3 miles, centered	34°14.0'S 52°55.1'W (17(1928)03 Taunton)	Substitute Disused submarine pipeline [L44] for submarine pipeline between	52°24.4'N 3°45.6'E 52°24.6'N 3°51.7'E
<b>24161</b>	11Ed. 6/8/96 LAST NM 28/03 Change Light to Fl(2) 5s 9m 4M (11(55)03 Rio de Janeiro)	32/03 22°48'00.6"S 43°09'27.0"W	Depth 18.3 meters Wk [K26] for 25.5 meters Wk Depth 18.5 meters Wk [K26] for 18.7 meters Depth 18.7 meters Wk [K26] for 18.9 meters Depth 17.7 meters Wk [K26] for 21 meters	52°33.4'N 3°43.3'E 52°33.7'N 4°20.4'E 52°33.9'N 4°24.6'E 52°35.5'N 4°18.4'E
<b>24162</b>	9Ed. 8/3/96 LAST NM 28/03 Change Light to Fl(2) 5s 9m 4M (11(55)03 Rio de Janeiro)	32/03 22°48'00.6"S 43°09'27.0"W	Add Foul ground symbol [K31] Foul ground symbol [K31] (PD) Foul ground symbol [K31] (PD) Foul ground symbol [K31] (40(568), 42(594, 595), 43(599), 50(687)01, 16(242)03 's-Gravenhage)	51°57.3'N 3°42.9'E 51°57.9'N 3°46.4'E 51°56.5'N 3°47.8'E 51°56.2'N 3°44.5'E
<b>24460</b>	4Ed. 11/6/93 LAST NM 29/03 <b>(Panel A)</b> Change Light to Fl 10½s 87m 28M Racon (48/03 Caracas)	32/03 12°21.3'N 70°54.1'W		
<b>25524</b>	43Ed. 6/10/95 LAST NM 26/03 Add Depth 28 meters Wk [K26] (PD) Depth 10 meters Wk [K26] (PA) (4(53, 54)02 Brest)	32/03 14°34'36"N 61°03'47"W 14°30'53"N 61°06'02"W		
<b>25526</b>	2Ed. 6/10/95 LAST NM 24/03 Add Depth 10 meters Wk [K26] (PA) (4(53)02 Brest)	32/03 14°30'53"N 61°06'02"W		
<b>25527</b>	31Ed. 12/10/94 LAST NM 24/03 Add Depth 28 meters Wk [K26] (PD) (4(54)02 Brest)	32/03 14°34'35.6"N 61°03'47.4"W		
<b>★25677</b>	20Ed. 5/03 NEW EDITION (NOS)	32/03		
<b>★25683</b>	18Ed. 5/03 NEW EDITION (NOS)	32/03		
<b>37095</b>	3Ed. 10/26/96 LAST NM 22/03 Delete Danger circle "Obstn"	32/03 49°21.8'N 0°46.1'W		
Add	Danger circle "Obstn" [K40] Danger circle "Obstn" [K40] (PD) (1(1), 7(12)02 Brest)	49°21.8'N 0°45.5'W 49°24.9'N 0°54.1'W		
<b>37106</b>	4Ed. 1/23/99 LAST NM 31/03 Add Danger circle "Obstn" [K40] (18(17)01 Brest)	32/03 50°37'51"N 1°33'13"E		
<b>37110</b>	11Ed. 4/24/99 LAST NM 31/03 Add Danger circle "Obstn" [K40] (18(17)01 Brest)	32/03 50°37.9'N 1°33.2"E		
<b>37115</b>	2Ed. 5/10/97 LAST NM 31/03 Add Danger circle "Obstn" [K40] (18(17)01 Brest)	32/03 50°37.9'N 1°33.2"E		
<b>37120</b>	2Ed. 3/22/97 LAST NM 30/03 Add Depth 21.5 meters Wk [K26] (26(20)01 Brest)	32/03 51°24.0'N 2°09.5'E		
<b>37140</b>	33Ed. 5/25/96 LAST NM 30/03 Add Depth 21.5 meters Wk [K26] (26(20)01 Brest)	32/03 51°24.0'N 2°09.5'E		
<b>37150</b>	8Ed. 12/20/97 LAST NM 27/03 Delete Buoy "BR1" (16(242)03 's-Gravenhage)	32/03 52°54'07"N 3°21'55"E		
<b>37162</b>	12Ed. 5/18/96 LAST NM 30/03 Delete Buoy "BR1"	32/03 52°54.1'N 3°21.9'E		
<b>37163</b>	19Ed. 5/9/98 LAST NM 13/02 <b>(Panel A)</b> Delete Buoy "IJm 2"	32/03 52°28'00"N 4°33'47"E		
Change	Designation of buoy "NK 3" to "NK 7"	52°28'03"N 4°35'02"E		
Add	Buoy "NK 2" R, can, Iso R 4s Buoy "NK 3" G, conical, Iso G 4s Buoy "NK 5" G, conical, L FI G 5s (50(690)01 's-Gravenhage)	52°28'00"N 4°34'00"E 52°27'56"N 4°34'20"E 52°28'00"N 4°34'41"E		
<b>37164</b>	4Ed. 1/25/97 LAST NM 30/03 <b>(Panel A)</b> Add Buoy "Slip 2", conical, FI Y 5s	32/03 52°15'11"N 4°24'17"E		
Substitute	Depth 18.5 meters Wk [K26] for 18.7 meters Depth 18.7 meters Wk [K26] for 18.9 meters Depth 17.7 meters Wk [K26] for 21 meters (41(576), 43(599)01 's-Gravenhage)	52°33'44"N 4°20'23"E 52°33'58"N 4°24'35"E 52°35'28"N 4°18'23"E		
<b>37165</b>	2Ed. 2/3/96 LAST NM 30/03 Delete Buoy "TE13" Buoy "TE16" Buoy "VL4"	32/03 53°41.0'N 6°11.0'E 53°50.2'N 6°14.1'E 53°25.9'N 4°31.8'E		
Change	Designation of buoy "VL6" to "VL4"	53°32.9'N 4°49.4'E		
Add	Buoy "TE7" G, conical, L FI G 10s (16(240, 244)03 's-Gravenhage)	53°41.8'N 6°13.8'E		
<b>37166</b>	2Ed. 7/13/96 LAST NM 30/03 Delete Buoy Buoy Buoy Buoy	32/03 53°46.7'N 4°19.9'E 52°54.1'N 3°21.9'E 53°03.7'N 3°18.6'E 53°25.9'N 4°31.8'E		
Substitute	Disused submarine pipeline [L44] for submarine pipeline between	52°24.4'N 3°45.6'E 52°24.6'N 3°51.7'E		
	Depth 18.3 meters Wk [K26] for 25.5 meters Wk Depth 17.7 meters Wk [K26] for 21 meters (42(594, 595), 43(599)01, 14(209), 16(242, 244)03 's-Gravenhage)	52°33.4'N 3°43.3'E 52°35.5'N 4°18.4'E		
<b>37221</b>	13Ed. 2/3/96 LAST NM 30/03 Delete Buoy "TE13" Buoy "TE16"	32/03 53°41.0'N 6°11.0'E 53°50.2'N 6°14.1'E		
Add	Buoy "TE7" G, conical, L FI G 10s (16(240)03 's-Gravenhage)	53°41.8'N 6°13.8'E		
<b>37223</b>	14Ed. 9/2/95 LAST NM 30/03 Delete Buoy "WFE" Buoy "TE13" Buoy "TE16"	32/03 53°46.7'N 4°19.9'E 53°41.0'N 6°11.0'E 53°50.2'N 6°14.1'E		

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<b>37223</b>	(Continued)				
	Buoy "VL4"	53°25.9'N 4°31.8'E			
Change	Designation of buoy "VL6" to "VL4"	53°32.9'N 4°49.4'E			
Add	Buoy YB, pillar, double cone topmark points downward	53°21.0'N 5°01.9'E			
	Buoy "TE7" G, conical, L Fl G 10s (42(587)01, 14(209), 16(240, 244)03 's-Gravenhage)	53°41.8'N 6°13.8'E			
<b>37241</b>	17Ed. 8/2/97 LAST NM 30/03	32/03			
Add	Foul ground symbol [K31]	51°57'20"N 3°42'51"E			
	Foul ground symbol [K31] (PD)	51°57'53"N 3°46'26"E			
	Foul ground symbol [K31] (PD)	51°56'30"N 3°47'48"E			
	Foul ground symbol [K31]	51°56'13"N 3°44'27"E			
	(40(568), 50(687)01 's-Gravenhage)				
<b>37242</b>	10Ed. 5/16/98 LAST NM 30/03 <b>(Panel A)</b>	32/03			
Delete	Light	51°58'10.8"N 4°07'42.0"E			
	Light "4"	51°56'57.6"N 4°10'07.2"E			
	Light "5"	51°56'39.0"N 4°10'45.6"E			
	Light "6"	51°56'25.2"N 4°11'26.4"E			
	Light "7"	51°56'11.4"N 4°12'09.0"E			
Change	Designation of buoy "8" to "17"	51°56'00.6"N 4°12'36.0"E			
	Designation of buoy "9" to "19"	51°55'48.6"N 4°12'57.6"E			
	Designation of buoy "10" to "21"	51°55'34.8"N 4°13'18.0"E			
	Designation of buoy "11" to "23"	51°55'21.6"N 4°13'36.0"E			
	Designation of buoy "12" to "25"	51°55'07.2"N 4°13'57.0"E			
	Designation of buoy "13" to "27"	51°54'54.6"N 4°14'17.4"E			
	Designation of light "1" to "3"	51°57'49.8"N 4°08'34.2"E			
	Designation of light "2" to "5"	51°57'36.0"N 4°08'57.0"E			
	(41(575), 43(605)01 's-Gravenhage)				
<b>37243</b>	7Ed. 5/23/98 LAST NM 30/03 <b>(Panel B)</b>	32/03			
Delete	Buoy "O 54"	51°48'17.4"N 4°38'16.2"E			
	(50(686)01 's-Gravenhage)				
<b>37244</b>	11Ed. 2/1/97 LAST NM 30/03	32/03			
Substitute	Depth 4.8 meters for 5.6 meters	51°35.0'N 3°22.5'E			
Add	Foul ground symbol [K31]	51°57.3'N 3°42.9'E			
	Foul ground symbol [K31] (PD)	51°57.9'N 3°46.4'E			
	Foul ground symbol [K31] (PD)	51°56.5'N 3°47.8'E			
	Depth 21.5 meters Wk [K26]	51°23.9'N 2°09.5"E			
	Depth 9.3 meters	51°34.5'N 3°18.7"E			
	Foul ground symbol [K31]	51°56.2'N 3°44.5"E			
	(40(568), 48(660), 50(687)01 's-Gravenhage; 26(20)01 Brest)				
<b>37246</b>	14Ed. 5/16/98 LAST NM 30/03	32/03			
Delete	Buoy "17"	51°22'48"N 3°42'54"E			
	Buoy "PvT-SPR"	51°22'29"N 3°43'14"E			
	Light from buoy "21"	51°21'39"N 3°44'51"E			
	Light	51°25'59"N 4°01'51"E			
	Light	51°25'58"N 4°01'56"E			
	Light and legend "HORN"	51°24'04"N 4°01'12"E			
	Light	51°24'03"N 4°01'17"E			
	Dashed line (ferry route) between	51°24'06"N 4°01'18"E 51°25'55"N 4°01'50"E			
Substitute	Foul ground symbol [K31] for depth 22.5 meters Wk	51°26'18"N 4°00'28"E			
	Foul ground symbol [K31] for depth 17.5 meters Wk	51°26'04"N 3°37'34"E			
Add	Buoy "PvT-SPR" BY, pillar, double cone topmark points upward, VQ [Q130.3]	51°22'50"N 3°42'56"E			
	Buoy "17" G, conical (14(204, 211, 214), 15(222)03 's-Gravenhage)	51°22'29"N 3°43'29"E 51°22'05"N 3°44'09"E			
<b>37248</b>	18Ed. 2/14/98 LAST NM 30/03	32/03			
Add	Depth 9.3 meters (48(660)01 's-Gravenhage)	51°34'31.2"N 3°18'48.6"E			
<b>37265</b>	3Ed. 3/22/97 LAST NM 17/03	32/03			
Delete	Danger circle "Obstn" (1(1)02 Brest)	49°21'46"N 0°46'04"W			
<b>37362</b>	6Ed. 7/12/97 LAST NM 22/03	32/03			
Substitute	Depth 8.7 meters Wk [K26] for foul ground symbol (7(18)02 Brest)	47°14'02"N 2°15'45"W			
<b>37363</b>	8Ed. 8/23/97 LAST NM 17/03	32/03			
Substitute	Depth 8.7 meters Wk [K26] for foul ground symbol (7(18)02 Brest)	47°14'01.8"N 2°15'44.5"W			
<b>43030</b>	24Ed. 4/5/97 LAST NM 30/03	32/03			
Add	Depth 37 meters Wk Depth 35 meters Wk Depth 41 meters Wk Depth 40 meters Wk (51-52(443-446)02 Kopenhagen)	57°36.3'N 11°06.5'E 57°36.7'N 11°04.9'E 57°31.3'N 11°10.9'E 57°31.9'N 11°08.8'E			
<b>43360</b>	21Ed. 1/4/97 LAST NM 30/03	32/03			
Add	Depth 37 meters Wk Depth 35 meters Wk Depth 41 meters Wk Depth 40 meters Wk (51-52(443-446)03 Kopenhagen)	57°36.3'N 11°06.5'E 57°36.7'N 11°04.9'E 57°31.3'N 11°10.9'E 57°31.9'N 11°08.8'E			
<b>43384</b>	1Ed. 9/14/91 LAST NM 27/03	32/03			
Add	Submarine pipeline [L40.1] joining	58°21'05"N 11°13'38"E 58°20'50"N 11°13'52"E 58°20'16"N 11°13'21"E			
	Shellfish cultivation area "Clams" [K47] bound by dashed line joining	58°23'29"N 11°23'12"E 58°23'28"N 11°23'14"E 58°24'40"N 11°24'47"E 58°24'42"N 11°24'45"E			
	<b>(Plan A)</b>				
Delete	Rock awash	58°12'18.0"N 11°29'37.0"E			
Add	Rock awash [K12]	58°12'18.9"N 11°29'38.2"E			
	<b>(Plan B)</b>				
Delete	Crane symbol	58°20'39.5"N 11°53'53.5"E			
	Crane symbol	58°20'40.0"N 11°53'54.0"E			
Relocate	Buoy from 58°20'34.9"N 11°54'17.2"E to 58°20'35.9"N 11°54'20.5"E				
	Buoy from 58°20'52.6"N 11°54'22.5"E to 58°20'52.2"N 11°54'21.1"E				
	(See 23/03-43384)				
Substitute	Depth 7 meters for 7.5 meters	58°20'45.0"N 11°53'38.5"E			
	Depth 10.3 meters for 9 meters	58°20'51.0"N 11°54'06.0"E			
Change	Shape of buoy to can (See 4/03-43384)	58°20'38.4"N 11°54'04.8"E			
Add	Blue tint area (harbor basin) bound by sea and solid line joining	58°20'38.7"N 11°53'53.8"E 58°20'51.5"N 11°53'49.2"E 58°20'52.0"N 11°53'55.8"E 58°20'39.0"N 11°54'00.0"E			
	and delete all topography within above area				
	Depth 8.2 meters	58°20'38.5"N 11°53'57.5"E			
	Depth 10 meters	58°20'48.0"N 11°53'53.8"E			
	Depth 12 meters	58°20'53.0"N 11°54'11.0"E			
	(10(129), 35(476), 48(677)02, 8(956), 26(1245)03 Norrkoping)				
<b>44036</b>	5Ed. 8/31/96 LAST NM 30/03	32/03			
Add	Depth 37 meters Wk Depth 35 meters Wk Depth 41 meters Wk Depth 40 meters Wk (51-52(443-446)03 Kopenhagen)	57°36'16"N 11°06'27"E 57°36'45"N 11°04'52"E 57°31'20"N 11°10'53"E 57°31'54"N 11°08'51"E			

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<b>44040</b>	23Ed. 7/20/96 LAST NM 30/03 Add Depth 37 meters Wk Depth 35 meters Wk Depth 41 meters Wk Depth 40 meters Wk (51-52(443-446)03 Kobenhavn)	32/03 57°36.3'N 11°06.5'E 57°36.7'N 11°04.9'E 57°31.3'N 11°10.9'E 57°31.9'N 11°08.8'E	"Seaplane Landing Area" [N13] bound by dashed line joining 54°07'05"N 12°05'38"E 54°07'36"N 12°05'38"E 54°07'36"N 12°05'24"E 54°07'05"N 12°05'24"E (25(1672)03 Hamburg)
<b>44042</b>	7Ed. 8/22/92 LAST NM 29/03 Relocate Beacon from 57°42'36.0"N 11°40'49.0"E to 57°42'33.6"N 11°40'51.0"E and add legend "Valen Stang"	32/03	
Change	Legend to "Beacons in line 028°54'" 57°35'06.0"N 11°38'06.0"E		
	Legend to "Lts in line 253°54'" 57°38'22.0"N 11°39'13.0"E		
	Legend to "Lts in line 079°36'" 57°41'06.0"N 11°51'06.0"E		
Add	Buoy Y, spar, "X" topmark Depth 8.6 meters Depth 11 meters	57°41'51.3"N 11°54'40.1"E 57°41'36.3"N 11°50'42.0"E 57°41'37.5"N 11°50'46.0"E	
	Dashed line joining	57°41'38.5"N 11°50'45.5"E 57°41'36.5"N 11°50'43.4"E 57°41'35.7"N 11°50'41.0"E 57°41'35.8"N 11°50'39.6"E 57°41'37.2"N 11°50'41.8"E	
	Legend "4.5 m"	57°43'56.8"N 11°59'42.0"E	
	Rock awash [K12] with legend "Rks" 57°41'15.0"E 11°53'27.6"E		
	Solid line (pier) [F14] between	57°41'13.2"N 11°53'45.6"E 57°41'15.6"N 11°53'39.6"E	
	Submarine pipeline (conduit) [L41.1] between	57°42'30.0"N 11°39'57.6"E 57°42'33.0"N 11°40'22.8"E	
	Submarine cable [L30.1] between	57°42'30.0"N 11°39'57.6"E 57°42'33.0"N 11°40'22.8"E	
	"Fishing Prohibited Area" [N21] bound by purple composite line joining	57°37'16.8"N 11°38'01.2"E 57°38'07.8"N 11°39'40.8"E 57°38'13.2"N 11°40'01.2"E 57°38'19.2"N 11°40'59.4"E 57°38'09.0"N 11°41'06.6"E 57°37'01.2"N 11°39'36.6"E	
	"Fishing Prohibited Area" [N21] bound by purple composite line joining	57°39'18.0"N 11°38'34.2"E 57°39'16.8"N 11°40'00.0"E 57°38'49.2"N 11°40'00.0"E 57°38'55.2"N 11°38'25.2"E	
(3(26), 42(573), 46(640), 48(691)02, 11(991), 21(1168, 1174), 26(1246)03 Norrkoping)			
<b>44047</b>	22Ed. 2/8/97 LAST NM 30/03 Delete Light	32/03 55°45.3'N 11°48.0'E	
Add	Buoy BY, spar (51-52(449, 450)03 Kobenhavn)	55°45.2'N 11°47.6'E	
<b>44050</b>	21Ed. 10/28/95 LAST NM 20/03 Relocate Buoy from 55°39'56.0"N 12°38'19.0"E to 55°39'56.9"N 12°38'21.8"E (51-52(452)03 Kobenhavn)	32/03	
<b>44061</b>	21Ed. 9/7/96 LAST NM 24/03 <b>(Plan B)</b> Add Danger Circle "Obstn" [K40] (51-52(453)03 Kobenhavn)	32/03 55°40'40"N 9°46'26"E	
<b>44076</b>	3Ed. 8/30/97 LAST NM 30/03 Change Buoy to (undesignated) Y, barrel, Fl 2s	32/03 54°07'36"N 12°05'24"E	
Add	Buoy Y, barrel, Fl 2s Buoy Y, barrel, Fl 2s Buoy Y, barrel, Fl 2s	54°07'36"N 12°05'38"E 54°07'05"N 12°05'38"E 54°07'05"N 12°05'24"E	
<b>44184</b> 9Ed. 5/11/96 LAST NM 22/03 Change Characteristic of light to Fl(3) WRG 9s 59°18'48.0"N 18°48'36.0"E Note: Sectors remain unchanged			
Add	Dangerous submerged rock [K13] 59°23'59.2"N 18°38'08.3"E Dangerous submerged rock [K13] 59°24'09.6"N 18°39'01.8"E (43(788)01, 33(599), 37(493)02 Norrkoping)		
<b>44185</b>	7Ed. 3/23/96 LAST NM 27/03 Change Characteristic of light to Fl(3) WRG 9s 59°18'48.0"N 18°48'36.0"E Note: Sectors remain unchanged (43(788)01 Norrkoping)	32/03 60°20.1'N 28°43.0'E 60°19.9'N 28°42.4'E (47(7243)01 St. Petersburg)	
<b>★51641</b>	4Ed. 8/24/96 LAST NM 48/96 <b>(Plan A)</b> Delete Stranded wreck (PA)	32/03 6°20'21.0"N 10°47'56.5"W	
Relocate	Buoy "7" from 6°20'45.0"N 10°48'32.0"W to 6°20'48.1"N 10°48'31.2"W and add legend "(PD)"	6°20'48.1"N 10°48'31.2"W	
	Buoy "9" from 6°20'38.2"N 10°48'19.8"W to 6°20'40.2"N 10°48'19.2"W and add legend "(PD)"	6°20'40.2"N 10°48'19.2"W	
Add	Stranded wreck Stranded wreck	6°20'35.1"N 10°47'45.1"W 6°20'24.6"N 10°47'57.3"W	
	Land tint to area bound by breakwater and solid line joining	6°20'48.2"N 10°48'44.7"W 6°20'49.2"N 10°48'36.5"W 6°20'45.1"N 10°48'27.0"W 6°20'40.8"N 10°48'23.7"W 6°20'38.3"N 10°48'23.3"W 6°20'36.0"N 10°48'25.9"W 6°20'37.9"N 10°48'29.0"W 6°20'35.4"N 10°48'30.4"W 6°20'32.0"N 10°48'28.7"W	
	Land tint to area bound by breakwater and solid line joining	6°20'28.4"N 10°48'25.0"W 6°20'23.7"N 10°48'15.3"W 6°20'20.4"N 10°48'11.7"W 6°20'11.0"N 10°48'06.8"W	
	and delete land tint seaward of above line		
	Land tint to area bound by shore and solid line between	6°21'25.0"N 10°47'45.0"W 6°20'14.1"N 10°47'36.9"W (NTM0019/2003)	
<b>55082</b>	9Ed. 5/11/96 LAST NM 25/03 <b>(Plan)</b> Change Characteristic of light to Fl Bu 3s	32/03 46°30'34.8"N 30°44'11.0"E (41(6333)01 St. Petersburg)	
<b>55101</b>	4Ed. 8/24/96 LAST NM 25/03 Add Light Q(6) + L Fl 15s to buoy "1" Buoy Y, pillar, "X" topmark Position circle "MAST",	32/03 46°55'35"N 31°57'35"E 46°55'37"N 31°58'08"E 46°37'53"N 31°51'31"E	
	Buoy G, pillar, cone topmark, Fl G 3s 46°56'07"N 31°59'04"E		
	Buoy R, pillar, can topmark, Fl R 3s 46°56'05"N 31°59'07"E (39(6007), 41(6337), 46(7098)01 St. Petersburg)		

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<b>55102</b>	3Ed. 8/10/96 LAST NM 25/03 Add Position circle "MAST"	32/03 46°37'53"N 31°51'31"E	Depth 11.1 meters for 12.7 meters Buoy W, can for beacon	30°02'37"N 47°57'26"E 30°05'18"N 47°56'57"E	
	Buoy YBY, pillar, double cone topmark points together, Q(9) 15s (37(5694), 41(6337)01 St. Petersburg)	46°36'35"N 31°31'47"E	Change Least depth reported in channel on line 6 of note in left upper margin of chart from "8.7m" to "5.7m" Least depth reported along center line in channel on line 6 of note in left upper margin of chart from "10.4m" to "9.2m"		
<b>55127</b>	2Ed. 4/20/96 LAST NM 27/03 Change Legend to "8.6m (2001)" Legend to "8.6m (2001)" (See 14/03-55127)	32/03 46°56'50.0"N 37°28'13.0"E 46°59'02.0"N 37°28'54.0"E	Period of buoy "30" to 10s	30°01'30"N 48°03'29"E	
	<b>(Plan)</b> Change Legend to "8.6m (2001)" (38(5860)01 St. Petersburg)	47°02'32.0"N 37°30'04.0"E	Add Legend "CAUTION NO 6" to stranded wreck	30°09'21"N 47°54'00"E	
<b>55128</b>	2Ed. 3/18/00 LAST NM 28/03 <b>(Plan)</b> Change Berth designation to "13P"	32/03 44°43'30.5"N 37°48'40.1"E	Depth 3.1 meters	30°11'52"N 47°52'57"E	
	Add Berth designation "12P" [F19] (40(6186)01 St. Petersburg)	44°43'32.1"N 37°48'34.2"E	<b>(Plan)</b> Substitute Depth 5.7 meters for 8.7 meters Depth 2.9 meters for 9.7 meters Buoy R, pillar for beacon	30°00'08.0"N 47°58'24.0"E 30°01'58.0"N 47°57'27.0"E 30°02'03.0"N 47°57'08.0"E	
			Depth 11.1 meters for 12.7 meters	30°02'37.0"N 47°57'24.0"E	
			(BA CH 1238)		
<b>55130</b>	2Ed. 2/8/97 LAST NM 19/03 Add Light L Fl 5s 11M Ra Ref (47(7267)01 St. Petersburg; BA LL)	32/03 45°41.6'N 33°02.4'E	<b>62480</b>	2Ed. 3/1/03 LAST NM 18/03 Delete Depth 56 meters Well (unsurveyed)	32/03 26°40.3'N 52°00.7'E
<b>55200</b>	2Ed. 8/17/96 LAST NM 28/03 Delete Buoy (mooring) (40(6183)01 St. Petersburg)	32/03 44°59.5'N 35°45.9"E	Substitute Platform with light flare symbol for dotted-line circle "Well"	26°37.2'N 52°04.1'E	
<b>★62095</b>	3Ed. 2/1/03 LAST NM 11/03 Add "Under construction (2001)" area with land tint bound by shore and dashed line joining	32/03 11°35'32.1"N 43°08'09.1"E 11°35'36.9"N 43°08'05.7"E 11°35'40.3"N 43°08'08.3"E 11°35'45.3"N 43°08'01.7"E 11°35'42.4"N 43°07'59.1"E 11°35'45.5"N 43°07'54.9"E 11°35'49.7"N 43°07'58.8"E 11°35'50.7"N 43°07'57.5"E 11°35'45.5"N 43°07'52.9"E 11°35'37.1"N 43°08'04.7"E 11°35'31.8"N 43°08'08.7"E	<b>62490</b>	2Ed. 3/1/03 LAST NM 21/03 Delete Depth 56 meters Well (unsurveyed)	32/03 26°40.3'N 52°00.7'E
			Substitute Platform with light flare symbol for dotted-line circle "Well"	26°37.2'N 52°04.1'E	
			(25(2650)03 Taunton)		
<b>62142</b>	10Ed. 4/22/00 LAST NM 28/02 Delete Pilot station symbol and legend "Bashayer"	32/03 19°35'00.0"N 37°20'00.0"E	<b>62520</b>	6Ed. 3/15/03 LAST NM 28/03 Delete Dotted-line circle "Well"	32/03 26°37.1'N 52°04.0"E
	Add Pilot station symbol with legend "Bashayer" [T1.2]	19°35'30.0"N 37°16'00.0"E	Substitute Platform with light flare symbol for depth 56 meters Well (unsurveyed) Platform with light flare symbol for depth 44 meters Well (unsurveyed)	26°40.3'N 52°00.7'E 26°32.1'N 51°58.3'E	
	<b>(Plan)</b> Add Pilot station symbol with legend "Bashayer" [T1.2]	19°35'30.0"N 37°16'00.0"E	Add Platform with light flare symbol	26°37.2'N 52°04.1'E	
	(25(2656)03 Taunton)		Submarine pipeline between	26°37.2'N 52°04.1'E 26°40.3'N 52°00.7'E	
			Submarine pipeline joining	26°37.2'N 52°04.1'E 26°36.5'N 52°03.5'E 26°36.2'N 52°00.7'E 26°35.5'N 52°00.1'E	
<b>62143</b>	3Ed. 4/8/00 LAST NM 28/02 Delete Pilot station symbol and legend "Bashayer"	32/03 19°35'00"N 37°20'00"E	(25(2650)03 Taunton)		
	Pilot station symbol and legend "Bashayer"	19°15'00"N 37°30'00"E	<b>62521</b>	4Ed. 3/15/03 LAST NM N28/03 Delete Dotted-line circle "Well"	N32/03 26°37.1'N 52°04.0"E
	Add Pilot station symbol with legend "Bashayer" [T1.2]	19°35'30.0"N 37°16'00"E	Substitute Platform with light flare symbol for depth 56 meters Well (unsurveyed) Platform with light flare symbol for depth 44 meters Well (unsurveyed)	26°40.3'N 52°00.7'E 26°32.1'N 51°58.3'E	
	(25(2656)03 Taunton)		Add Platform with light flare symbol	26°37.2'N 52°04.1'E	
			Submarine pipeline between	26°37.2'N 52°04.1'E 26°40.3'N 52°00.7'E	
			Submarine pipeline joining	26°37.2'N 52°04.1'E 26°36.5'N 52°03.5'E 26°36.2'N 52°00.7'E 26°35.5'N 52°00.1'E	
<b>62250</b>	4Ed. 8/7/99 LAST NM 38/02 Delete Pilot station symbol	32/03 (25(2656)03 Taunton)	(25(2650)03 Taunton)		
<b>62270</b>	4Ed. 8/7/99 LAST NM 29/03 Delete Pilot station symbol	32/03 (25(2656)03 Taunton)	<b>62530</b>	6Ed. 3/8/03 LAST NM 28/03 Delete Danger circle "Well"	32/03 26°37.1'N 52°04.0"E
<b>62437</b>	10Ed. 6/7/03 LAST NM 30/03 Substitute Depth 5.7 meters for 8.7 meters Depth 2.9 meters for 9.7 meters Buoy R, pillar for beacon	32/03 30°00'08"N 47°58'24"E 30°01'58"N 47°57'27"E 30°02'03"N 47°57'08"E	Substitute Platform with light flare symbol for depth 56 meters Well (unsurveyed)	26°40.3'N 52°00.7'E	

(continued on next page)

## SECTION I

<b>62530</b>	(Continued)			
	Platform with light flare symbol for depth 44 meters Well (unsurveyed)	26°32.1'N 51°58.3'E		Light to Iso 2s & Fl(2) 6s 23°49'08.8"S 151°15'36.4"E Legend to "Dir 113°36'" 23°47'23.0"S 151°11'11.0"E Period of buoy to 4s 23°47'14.3"S 151°10'57.1"E Period of buoy to 4s 23°47'03.7"S 151°10'42.1"E Period of buoy to 4s 23°46'57.6"S 151°10'29.5"E Period of buoy to 4s 23°47'01.6"S 151°10'23.2"E (See 27/03-74205)
Add	Platform with light flare symbol	26°37.2'N 52°04.1'E	Add	Vertical clearance [D20] "4.7" meters to bridge 23°51'27.6"S 151°18'17.4"E
	Submarine pipeline between	26°37.2'N 52°04.1'E 26°40.3'N 52°00.7'E		Light Fl R 3s 23°51'05.6"S 151°17'48.0"E (9/306)03 Wollongong)
	Submarine pipeline joining	26°37.2'N 52°04.1'E 26°36.5'N 52°03.5'E 26°36.2'N 52°00.7'E 26°35.5'N 52°00.1'E		
(25/2650)03 Taunton)				
<b>62531</b>	4Ed. 3/8/03 LAST NM N28/03	N32/03		
Delete	Danger circle "Well"	26°37.1'N 52°04.0'E	Change	Period of buoy to 4s 23°47'14.3"S 151°10'57.1"E Period of buoy to 4s 23°47'03.7"S 151°10'42.1"E Period of buoy to 4s 23°46'57.6"S 151°10'29.5"E Period of buoy to 4s 23°47'01.6"S 151°10'23.2"E Legend to "Dir 113°36'" 23°47'16.0"S 151°10'54.0"E (See 27/03-74206)
Substitute	Platform with light flare symbol for depth 56 meters Well (unsurveyed)	26°40.3'N 52°00.7'E		
	Platform with light flare symbol for depth 44 meters Well (unsurveyed)	26°32.1'N 51°58.3'E	Change	<b>(Plan C)</b> Beacon to BY, pillar, cone topmark, Q & Fl Y 2.5s 23°48'51.1"S 151°14'50.7"E
Add	Platform with light flare symbol	26°37.2'N 52°04.1'E		Legend to "Dir 113°36'" 23°48'32.0"S 151°14'05.0"E
	Submarine pipeline between	26°37.2'N 52°04.1'E 26°40.3'N 52°00.7'E	Change	<b>(Plan E)</b> Vertical clearance of bridge to "4.7" 23°51'27.6"S 151°18'17.4"E (9/306)03 Wollongong; Aus CH 244)
	Submarine pipeline joining	26°37.2'N 52°04.1'E 26°36.5'N 52°03.5'E 26°36.2'N 52°00.7'E 26°35.5'N 52°00.1'E		
(25/2650)03 Taunton)				
<b>62550</b>	3Ed. 2/22/03 LAST NM 28/03	32/03		
Delete	Dotted-line circle "Well"	26°37'06"N 52°04'00"E	Substitute	Platform "EA" with light flare symbol for depth 56 meters Well (unsurveyed) 26°40'18"N 52°00'45"E Platform "FA" with light flare symbol for depth 44 meters Well (unsurveyed) 26°32'05"N 51°58'16"E
Add	Platform "DA" with light flare symbol	26°37'09"N 52°04'05"E		
	Dotted-line circle "Manifold"	26°35'29"N 52°01'57"E	Change	Dotted-line circle "Well" 26°36'39"N 52°01'03"E
	Submarine pipeline between	26°37'09"N 52°04'05"E 26°40'18"N 52°00'45"E		
	Submarine pipeline joining	26°37'09"N 52°04'05"E 26°36'30"N 52°03'27"E 26°36'11"N 52°00'45"E 26°35'33"N 52°00'06"E		
(25/2650)03 Taunton)				
<b>74200</b>	8Ed. 8/3/96 LAST NM 8/03	32/03		
Delete	Dangerous wreck	23°41'20"S 151°23'44"E	Substitute	Depth 18.4 meters Wk [K26] for dangerous wreck 23°45'24"S 151°26'34"E
Add	Depth 14.1 meters Wk [K26]	23°41'20"S 151°23'37"E	(10/333)03 Wollongong)	
<b>74201</b>	9Ed. 1/28/95 LAST NM 27/02	32/03		
Change	Vertical clearance of bridge to "4.7"	23°51'33.0"S 151°18'15.0"E	(9/306)03 Wollongong)	
<b>74204</b>	5Ed. 8/23/97 LAST NM 8/03	32/03		
Delete	Dangerous wreck	23°41'20"S 151°23'44"E	Substitute	Depth 18.4 meters Wk [K26] for dangerous wreck 23°45'24"S 151°26'34"E
Add	Depth 14.1 meters Wk [K26]	23°41'20"S 151°23'37"E	(10/333)03 Wollongong)	
<b>74205</b>	2Ed. 11/12/94 LAST NM 27/03	32/03		
Change	Characteristic of beacon to Q & Fl Y 2.5s	23°48'51.1"S 151°14'50.7"E		
	Light to Iso 2s 16m (F by day (occas))	23°48'01.9"S 151°15'53.8"E		
<b>74206</b>	2Ed. 5/2/98 LAST NM 27/03	32/03		
Change	Period of buoy to 4s 23°47'14.3"S 151°10'57.1"E Period of buoy to 4s 23°47'03.7"S 151°10'42.1"E Period of buoy to 4s 23°46'57.6"S 151°10'29.5"E Period of buoy to 4s 23°47'01.6"S 151°10'23.2"E (See 27/03-74206)			
	<b>(Plan B)</b>			
Change	Beacon to BY, pillar, cone topmark, Q & Fl Y 2.5s 23°48'51.1"S 151°14'50.7"E			
	Legend to "Dir 113°36'" 23°48'32.0"S 151°14'05.0"E			
	<b>(Plan C)</b>			
Change	Vertical clearance of bridge to "4.7" 23°51'27.6"S 151°18'17.4"E			
	<b>(Plan E)</b>			
	(9/306)03 Wollongong; Aus CH 244)			
<b>74545</b>	3Ed. 7/19/97 LAST NM 18/03	32/03		
Relocate	Buoy from 28°45.9"S 114°32.7"E to (10/341)03 Wollongong)	28°46.2'S 114°31.7"E		
<b>74550</b>	4Ed. 6/14/97 LAST NM 5/03	32/03		
Relocate	Buoy from 28°45.9"S 114°32.7"E to (10/341)03 Wollongong)	28°46.2'S 114°31.7"E		
<b>74560</b>	10Ed. 7/18/98 LAST NM 31/03	32/03		
Relocate	Buoy from 28°45.9"S 114°32.7"E to (10/341)03 Wollongong)	28°46.2'S 114°31.7"E		
	<b>(Plan A)</b>			
Delete	Buoy (10/341)03 Wollongong)	28°45'54.0"S 114°32'43.5"E		
<b>75001</b>	3Ed. 6/13/92 LAST NM 31/03	32/03		
Delete	Buoy and legend "Numerous mooring buoys" (Supersedes 5/03-75001) (10/353)03 Wollongong)	33°52.78"S 122°01.67"E		
<b>75132</b>	11Ed. 3/19/94 LAST NM 29/03	32/03		
Delete	Dashed line joining (See 25/03-75132)	34°49'30.0"S 138°30'28.2"E 34°49'35.4"S 138°30'25.2"E 34°49'36.0"S 138°30'24.0"E		
Change	Legend "8.7m" to "9.7m"	34°49'31.2"S 138°30'27.0"E		
Add	Dashed line (maintained depth area limit) joining	34°49'29.6"S 138°30'27.2"E 34°49'30.1"S 138°30'28.5"E 34°49'36.2"S 138°30'25.2"E 34°49'35.7"S 138°30'23.9"E		
	Legend "8.7m" (11/371)03 Wollongong)	34°49'27.0"S 138°30'29.4"E		
<b>75160</b>	6Ed. 2/11/95 LAST NM 25/03	32/03		
Add	Danger circle [K1] centered Danger circle [K1] centered Restricted area bound by purple composite-line circle, radius 1 mile, centered	38°42.5'S 142°57.5"E 38°43.2'S 142°57.6"E 38°42.8'S 142°57.6"E		
	Legend "Minerva Prod Wells" (10/342)03 Wollongong)	38°42.8'S 142°55.5"E		

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<b>75176</b>	9Ed. 9/16/00 LAST NM 26/03 Delete Beacon (11(373)03 Wollongong)	32/03 38°05'29.0"S 144°25'35.4"E	<b>95080</b>	13Ed. 6/24/95 LAST NM 31/03 Add Buoy R, pillar, cone topmark, Fl R 6s (17(284)03 Inchon)	32/03 36°09'20"N 126°28'24"E
<b>75264</b>	17Ed. 10/3/98 LAST NM 27/03 Add Depth 1.8 meters, blue tint and enclosing depth contour (5-meter) (10(331)03 Wollongong)	32/03 33°47'57.2"S 151°18'02.9"E	<b>95146</b>	14Ed. 5/14/94 LAST NM 31/03 Delete Purple composite line between	32/03 35°07'02"N 128°40'02"E 35°06'48"N 128°40'00"E
<b>75265</b>	2Ed. 6/19/99 LAST NM 31/03 Delete Depth 18.3 meters	32/03 33°47'51"S 151°17'58"E		Purple composite line between	35°06'45"N 128°40'00"E 35°05'56"N 128°40'14"E
	Add Depth 1.8 meters, blue tint and enclosing depth contour (5-meter) (10(331)03 Wollongong)	33°47'57"S 151°18'03"E		Purple composite line joining	35°05'54"N 128°40'13"E 35°05'30"N 128°39'46"E 35°06'09"N 128°37'43"E 35°07'38"N 128°36'38"E 35°08'15"N 128°36'22"E 35°09'02"N 128°36'24"E 35°09'05"N 128°36'36"E
	Depth 12.7 meters (10(331)03 Wollongong)	33°47'37"S 151°18'01"E			
<b>*81092</b>	3Ed. 7/02 LAST NM 50/02 Add Chartlet A, depicting changes to compass rose, from Subsection I-2 Chartlet B, depicting changes to compass rose, from Subsection I-2 Chartlet C, depicting changes to compass rose, from Subsection I-2 Chartlet D, depicting changes to compass rose, from Subsection I-2	32/03 18°12'00"N 145°48'00"W 18°08'00"N 145°44'00"W 18°04'00"N 145°48'00"W 18°00'00"N 145°44'00"W		Add "Prohibited Area" [N2.2] bound by shore and purple composite line joining	35°07'07"N 128°40'02"E 35°06'46"N 128°40'02"E 35°05'51"N 128°40'23"E 35°05'31"N 128°39'47"E 35°06'11"N 128°37'42"E 35°08'11"N 128°36'20"E 35°08'56"N 128°36'37"E
	(Inset) Add Chartlet, depicting changes to compass rose, from Subsection I-2 (NOS)	20°00'00"N 145°12'00"W		Buoy "11" G, pillar, can topmark, Fl G 4s Buoy "46" R, pillar, cone topmark, Fl R 4s	35°04'57"N 128°50'10"E 35°05'21"N 128°49'27"E
				(17(269), 18(292)03 Inchon)	
<b>94080</b>	7Ed. 9/23/95 LAST NM 22/03 Add Depth 49 meters Obstn "(Fish haven)" [K46.1] Depth 25 meters Obstn "(Fish haven)" [K46.1] Depth 25 meters Obstn "(Fish haven)" [K46.1] Depth 45 meters Obstn "(Fish haven)" [K46.1]	32/03 22°07.8'N 120°24.2'E 22°14.1'N 120°18.3'E 22°13.7'N 120°11.7'E 21°55.5'N 120°32.1'E	<b>95147</b>	13Ed. 5/14/94 LAST NM 31/03 Delete Breakwater in vicinity	32/03 35°08'24.0"N 128°40'25.0"E 35°08'36.0"N 128°40'24.0"E
	Fish haven symbol [K46.1] marked by buoy Y, spherical, Fl(12) Or 60s (36/03 Tso-ying)	22°18.7'N 120°19.5'E		Purple composite line between	35°07'07.0"N 128°39'58.0"E 35°07'02.0"N 128°40'00.0"E
<b>94280</b>	5Ed. 12/16/95 LAST NM 15/03 Delete "No 1 Pilot and Quarantine Anchorage" area in vicinity	32/03 34°49'15"N 119°42'00"E		Purple composite line between	35°07'00.0"N 128°40'02.0"E 35°06'50.0"N 128°39'59.0"E
	Change Legend to "No 1 Pilot and Quarantine Anchorage" in vicinity (See 15/03-94280) (6(88)03 Tianjin)	34°48'33"N 119°47'27"E		Purple composite line between	35°06'45.0"N 128°40'00.0"E 35°05'55.0"N 128°40'17.0"E
<b>94283</b>	7Ed. 5/25/96 LAST NM 12/03 Delete Buoy "Bijia Dao" (See 20/01-94283)	32/03 36°00'44.7"N 120°15'42.0"E		Purple composite line joining	35°05'51.0"N 128°40'12.0"E 35°05'32.0"N 128°39'47.0"E 35°05'45.0"N 128°38'52.0"E 35°06'10.0"N 128°36'41.0"E 35°07'27.0"N 128°36'49.0"E 35°07'35.0"N 128°36'40.0"E 35°08'11.0"N 128°36'20.0"E 35°09'02.0"N 128°36'23.0"E 35°09'05.0"N 128°36'35.0"E
	Add Buoy "401" G, pillar, cone topmark, Fl(3) G 10s Buoy "402" R, pillar, can topmark, Fl(3) R 10s Buoy "403" G, pillar, cone topmark, Fl(2) G 6s Buoy "404" R, pillar, can topmark, Fl(2) R 6s Buoy "405" G, pillar, cone topmark, Fl G 4s Buoy "406" R, pillar, can topmark, Fl R 4s (6(86, 87)03 Tianjin)	36°00'22.7"N 120°15'20.9"E 36°00'20.6"N 120°15'28.5"E 35°59'43.8"N 120°15'04.8"E 35°59'41.9"N 120°15'12.4"E 35°59'06.3"N 120°14'46.1"E 35°59'00.9"N 120°14'55.3"E		Buoy "A" Buoy "B" (See 1/03-95147)	35°11'34.4"N 128°34'40.6"E 35°11'58.1"N 128°34'41.6"E
				Add "Prohibited Area" [N2.2] bound by shore and purple composite line joining	35°07'07.0"N 128°40'02.0"E 35°06'46.0"N 128°40'02.0"E 35°05'51.0"N 128°40'23.0"E 35°05'31.0"N 128°39'47.0"E 35°06'11.0"N 128°37'42.0"E 35°08'11.0"N 128°36'20.0"E 35°08'56.0"N 128°36'37.0"E
				Buoy "A" Y, pillar, "X" topmark, Fl Y 4s Buoy "B" Y, pillar, "X" topmark, Fl Y 4s Buoy "C" Y, pillar, "X" topmark, Fl Y 4s (17(267, 269), 20(320, 321)03 Inchon)	35°04'16.0"N 128°38'08.3"E 35°04'13.5"N 128°38'14.9"E 35°04'05.2"N 128°38'09.4"E
<b>95066</b>	11Ed. 11/21/98 LAST NM 31/03 Delete Depth 12.3 meters	32/03 37°15'18"N 126°25'15"E	<b>95149</b>	9Ed. 6/12/99 LAST NM 30/03 Delete Beacons (2) and range line between	32/03 35°04'06"N 129°04'00"E 35°03'30"N 129°03'21"E
	Add Depth 13.7 meters Depth 14.9 meters (23(378)03 Inchon)	37°15'41"N 126°25'23"E 37°15'19"N 126°25'13"E			

(continued on next page)

<b>95149</b>	(Continued)	
	Beacons (2) and range line between	
	35°03'30"N 129°04'54"E 35°02'54"N 129°04'14"E	
	Dashed line and legend "Measured Distance...311°00'" between	
	35°03'34"N 129°03'30"E 35°02'58"N 129°04'18"E	
Relocate	Buoy "1" from 35°08'30"N 129°07'48"E to and change characteristic to Fl G 5s	35°08'27"N 129°07'58"E
	Buoy "2" from 35°08'32"N 129°07'56"E to and change characteristic to Fl R 5s	35°08'35"N 129°08'07"E
	(17(261, 263)03 Inchon)	
<b>95152</b>	5Ed. 7/23/94 LAST NM 31/03	32/03
Delete	Anchor berth "K-4" and legend "(see Note)" in vicinity (See 6/03-95152)	35°02'30.2"N 128°59'02.2"E
Add	Legend "Hanjin Wharf" Legend "Korwell" (See 28/97-95152)	35°03'45.0"N 128°59'39.0"E 35°05'00.0"N 129°00'22.0"E
	(17(264)03 Inchon)	
<b>95153</b>	2Ed. 4/23/94 LAST NM 25/03	32/03
Delete	Light	35°09'13.3"N 129°07'39.8"E
Relocate	Buoy "1" from 35°08'30.1"N 129°07'48.0"E to and change characteristic to Fl G 5s	35°08'26.6"N 129°07'57.8"E
	Buoy "2" from 35°08'32.4"N 129°07'55.6"E to and change characteristic to Fl R 5s	35°08'35.1"N 129°08'06.8"E
	Buoy "3" from 35°08'45.9"N 129°07'43.6"E to and change characteristic to Fl G 5s	35°08'37.6"N 129°07'40.8"E
	Buoy "4" from 35°08'47.8"N 129°07'50.6"E to and change characteristic to Fl R 5s	35°08'46.1"N 129°07'49.8"E
	(17(261), 19(310)03 Inchon)	
<b>95172</b>	1Ed. 8/28/93 LAST NM 21/03	32/03
Add	"Fish haven" area with blue tint [K46] bound by dotted line (limiting danger line) joining	36°39'32.5"N 129°25'56.5"E 36°39'32.5"N 129°26'06.5"E 36°39'24.5"N 129°26'06.5"E 36°39'24.5"N 129°25'56.5"E
	"Fish haven" area with blue tint [K46] bound by dotted line (limiting danger line) joining	36°39'22.5"N 129°26'25.0"E 36°39'50.5"N 129°26'46.5"E 36°39'45.0"N 129°26'58.5"E 36°40'00.5"N 129°27'09.5"E 36°39'54.5"N 129°27'24.5"E 36°39'06.5"N 129°26'53.0"E
	"Fish haven" area with blue tint [K46] bound by dotted line (limiting danger line) joining	36°39'49.5"N 129°28'03.5"E 36°39'48.5"N 129°28'16.5"E 36°39'14.0"N 129°28'09.5"E 36°39'15.5"N 129°27'55.5"E
	(19(306)03 Inchon)	
<b>96763</b>	7Ed. 8/22/98 LAST NM 17/03	32/03
Add	Chartlet, depicting changes in hydrography, from Subsection I-2	42°58'50.0"N 144°22'34.0"E
	(9(292)03 Tokyo)	

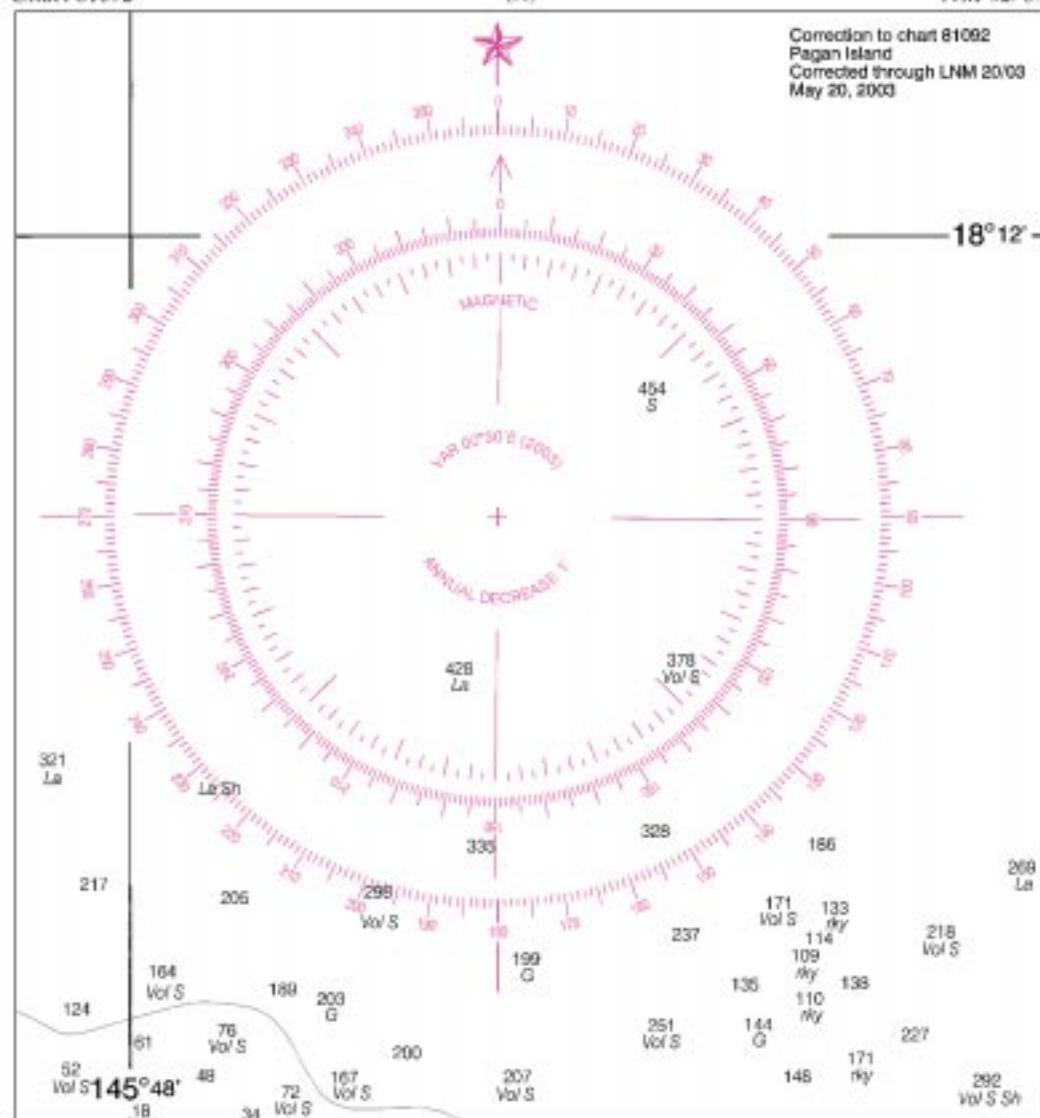
## SECTION I

NM 32/03

Chart 81092

(A)

NM 32/03



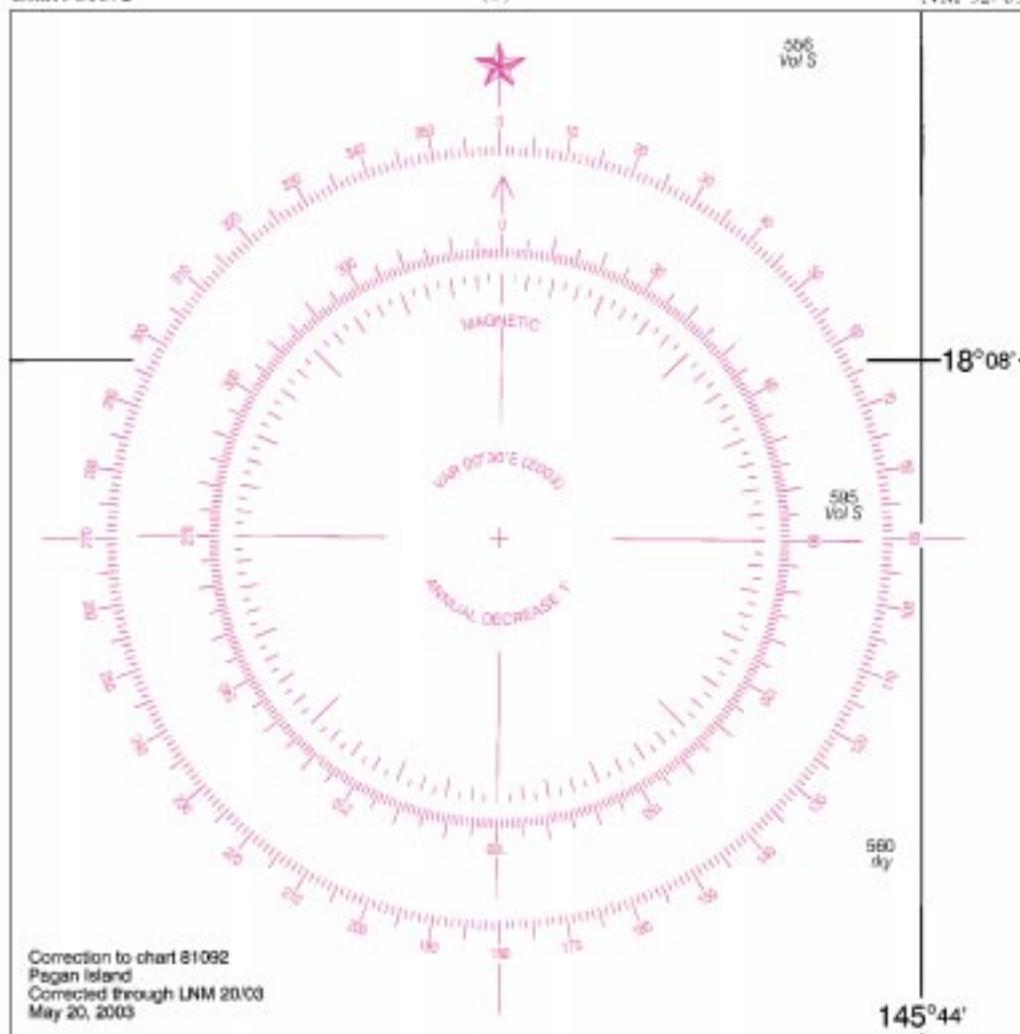
## SECTION I

NM 32/03

Chart 81092

(B)

NM 32/03



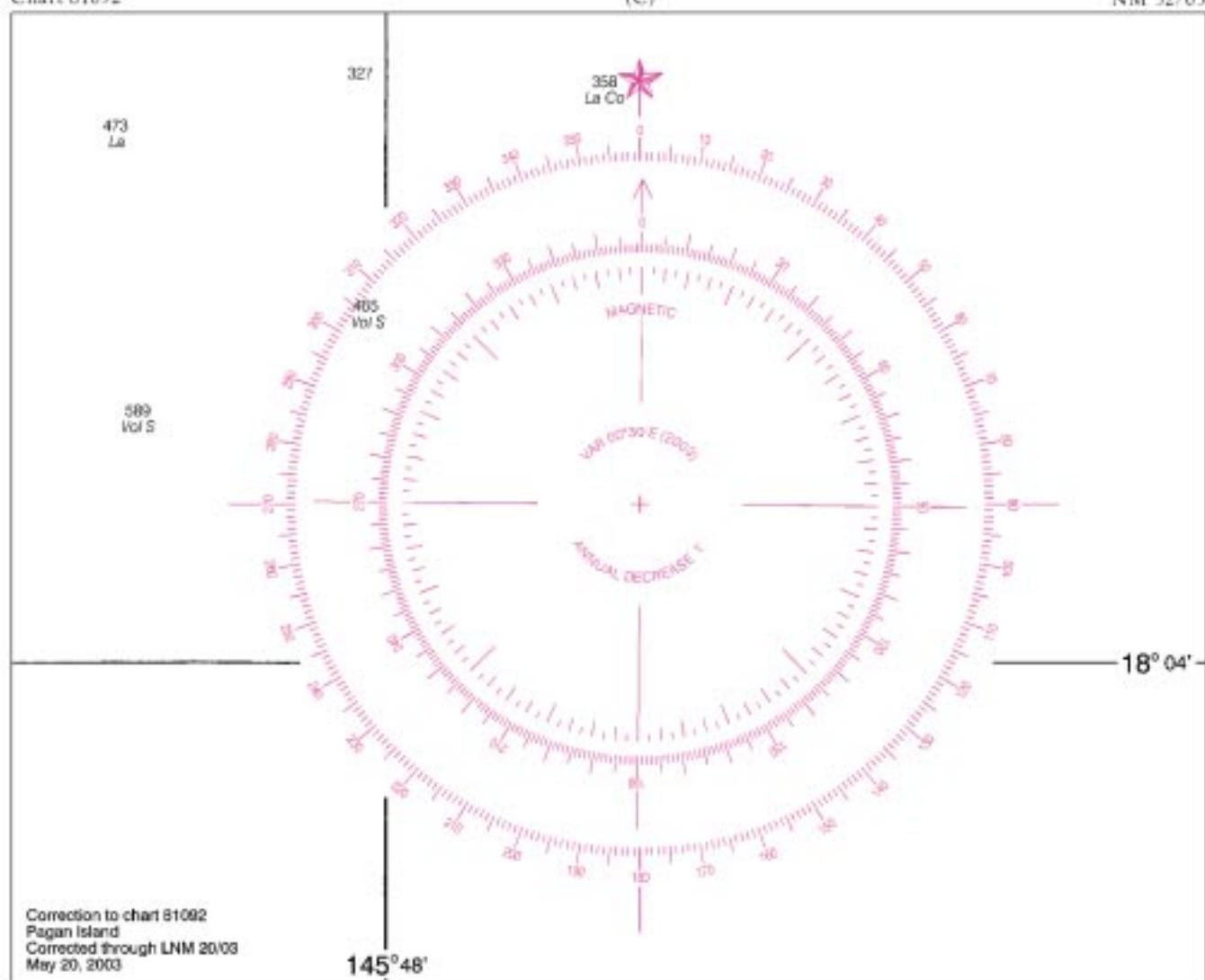
## SECTION I

NM 32/03

Chart 81092

(C)

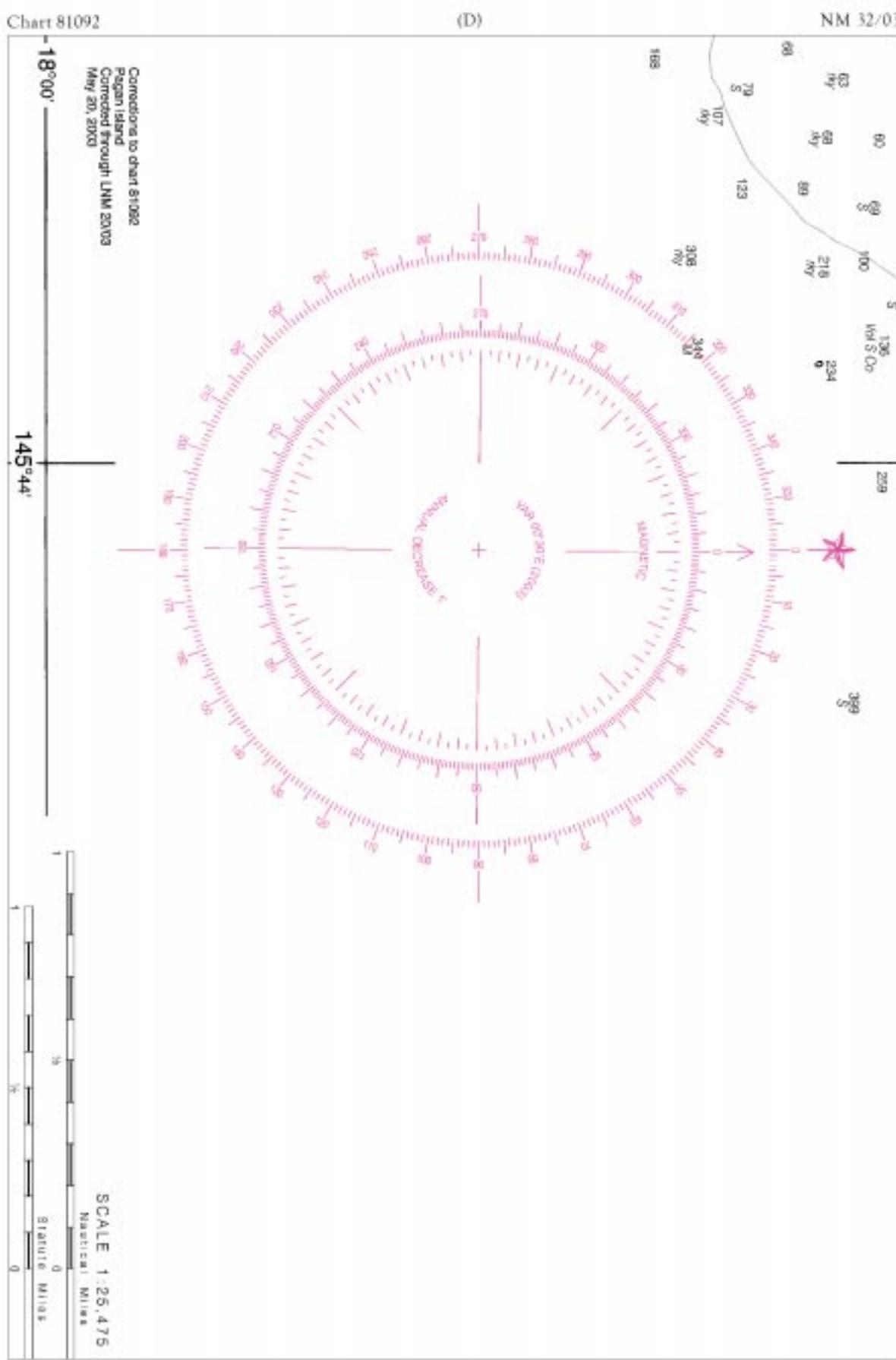
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## SECTION I

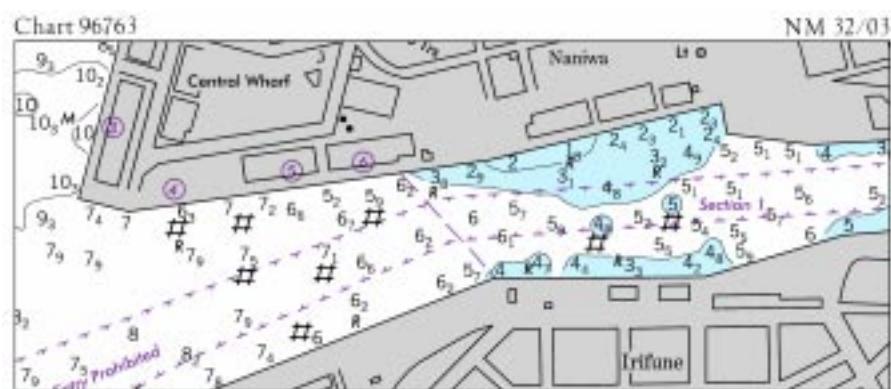
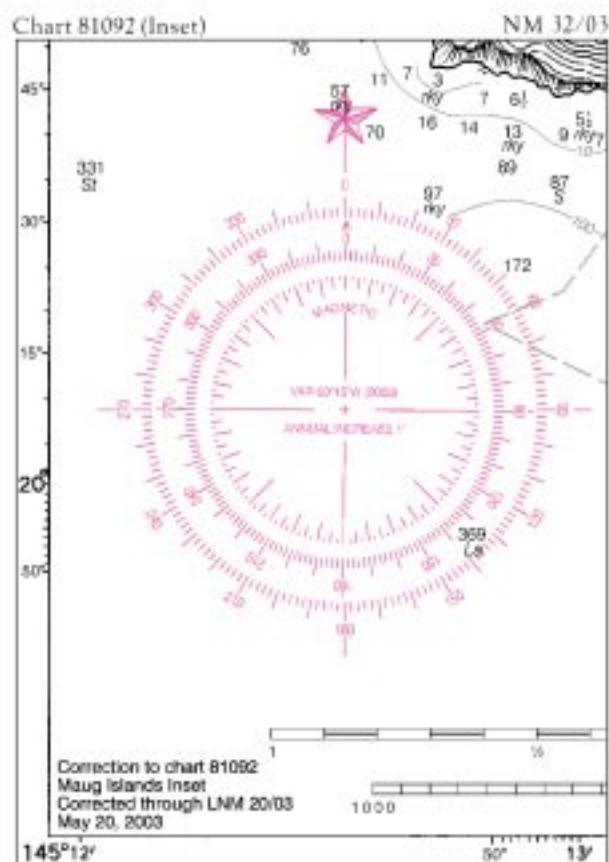
NM 32/03

Chart 81092



## SECTION I

NM 32/03



**SECTION I**

NM 32/03

Chart 11478

NM 32/03

PORT CANAVERAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2003 AND SURVEYS OF APR 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OUTER REACH	41.2	41.1	41.6	40.8	4-03	400	5.5	44
MIDDLE REACH	43.7	44.2	43.8	37.6	4-03	400	0.9	44
INNER REACH	37.8	41.6	40.9	37.8	4-03	400	0.8	40
WEST ACCESS CHANNEL (EAST PORTION)	37.8	40.6	41.0	39.1	4-03	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	30.5	34.4	35.1	34.6	4-03	400	0.3	31

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

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 20/02 THROUGH NM 32/03**

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	11314	22	17*,21,22,32/03	11370	23	31,33,40,51/02;9,21,23, 24,26,31/03	11474	10	6,17/03
20	3	18/03	11315	30	37/02*	11475	16	27,51/02;13/03			
22	1	18/03	11316	39	17*,22,26,29/03	11476	19	6/03			
50	6	32/03*	11317	29	20*,21,25,37,40,49/02; 16,19,20,21,23,26,29, 30/03	11477	20	32/03*			
70	4	7/03	11318	1	N21,N29,N46/02;N6, N24,N25/03	11479	4	N24,N27,N28,N29,N35, N50/02;N6,N23,N25, N31/03			
71	4	7/03	11319	31	17*,19,20,25,26,29,30/03	11480	38	30/03*			
101	3	48/02	11320	1	N28/02;N22,N23,N24/03	11481	4	42*,49/02;6,12,13,19, 28/03			
103	5	16/03	11321	29	22,28,39,40,41,45/02;23, 31/03	11485	33	22/03*			
108	9	32,35/02	11322	28	19*,20,23,30/03	11488	24	7,17/03			
124	10	18/03	11323	59	26*,28,33,37,39,45/02;1, 6,7,9,20,23,27,29,31/03	11489	34	8*,12,20,22,31/03			
125	7	21/03	11324	32	22*,24,25,31,33,37/02;1, 6,7,9,10,16,20,21,23,25, 29,30,31/03	11491	33	22,28,29,30,34,37,38/02; 12,30/03			
126	39	21/03	11325	35	26/03*	11493	9	N24,N39/02;N12,N20, N22,N31/03			
301	1	14,21,24/03	11326	31	7*,9,16,20,21,22,23,24, 30,31/03	11494	8	N24,N39/02;N22/03			
302	1	2/03	11327	30	21,22,24,28,37,49/02;1, 16,19,20,22,24,29,30/03	11496	9	N32,N35/02;N1,N17, N19/03			
310	20	2,14,21,24/03	11328	22	21,36,37,39,47,49/02;4,6, 16,20,21,22,30/03	11502	28	14,17,20,22/03			
400	3	23,26,31,32,33,35,45/02; 29/03	11329	34	21,24,36,37,39,47,49/02; 1,4,8,10,16,21,22,30/03	11503	39	38*,39,43/02;12,14,17, 20,22,31/03			
401	5	22,23,26,31,33,35,45/02; 14,29/03	11330	14	2*,4,6,7,8,17,19,20,21, 22,23,27,30,31/03	11504	15	12,22/03			
411	49	19*,22,23,24,25,26,29, 30,31/03	11331	18	23/02*,19,23,30/03	11505	1	26,28,31,34,40,49/02;1,4, 5,11,22/03			
500	8	32/03*	11332	28	42*,43,49,51/02;6,17,19, 20,23,25,31/03	11506	40	10*,19,22,28/03			
501	12	9*,10,18,21,22,24/03	11333	1	N28/02	11507	31	9*,12,20/03			
502	2	52/02	11340	67	2*,5,6,7,8,9,14,17,18,19, 21,22,23,24,25,26,27,29, 30,31,32/03	11508	21	10/03*			
507	2	45/02	11341	39	14*,17,21,22,23,25,31/03	11509	27	20/02;1,11,24/03			
508	2	24,45/02	11342	52	27*,29,31/03	11510	18	34/02			
513	6	38/02	11343	36	21,23,37,40,49/02;4,8,17, 19,20,23,30/03	11511	16	11/03			
520	127	20,38/02	11344	35	9*,19,22,23,26,27,29, 31/03	11512	59	10*,11,15,20,22,24/03			
524	12	47/02	11345	31	9/03*	11513	23	32,49/02;1,24/03			
526	10	47/02;6/03	11347	33	42*,43,47,49/02;4,6,7,8, 19,20,21,23,25,26,27,29, 31,32/03	11514	26	37*,40,49/02;4,5,15,22, 24/03			
530	30	22*,26,37,38,40,52/02;6, 10,18,21,22,24/03	11348	19	23/02/6,7,20,25,27,31, 32/03	11515	29	24,37,49/02			
531	21	47,52/02;21,24,32/03	11349	40	38*,42,51/02;23,26,27, 31/03	11517	17	32/02;24/03			
532	17	38/02	11351	38	20*,22,23,25,27,30,31/03	11518	33	14*,19,28/03			
540	16	51/02;16,30/03	11352	36	3*,7,8,9,20,22,24,26, 31/03	11519	12	28/03*			
541	2	6/03	11353	2	21*,24,25,26,35,38,43, 45,49/02;4,5,7,18,20,21, 26,27,31/03	11520	40	31*,39,40,44,46,51/02;4, 6,7,8,19/03			
550	7	24,45/02;6/03	11354	24	26*,31/03	11521	26	32,35/02;9,19,24,28/03			
601	4	6,8,27/03	11355	24	37*,40,51/02;22,25/03	11523	21	32,35,52/02;5,9,19,24, 28/03			
602	6	47/02;6/03	11356	34	28,29,39,40,42,45,47, 51/02;6,7,19,22,27,30/03	11524	46	8*,11,12,13,15,17,19,20, 22,28/03			
603	6	47/02;10/03	11357	35	36*,37,40,42,51/02;6,9, 19,21,23,24,25,26,27,31, 32/03	11525	6	N23,N39,N40,N44,N46, N51/02;N4,N6,N8, N24/03			
605	4	6/03	11358	51	23*,24,26,27,31,39,42, 51/02;7,21,32/03	11526	10	20/03*			
606	1	17/03	11359	11	22*,26,39/02	11527	16	37/02;20/03			
607	1	17/03	11360	40	1*,2,5,6,8,19,23,24,25, 26,27,29,30/03	11531	21	31/02*,11/03			
621	5	22/02	11361	70	21*,23,24,25,26,30,31/03	11532	20	37/02			
622	9	20,47/02;6/03	11362	4	N22,N23,N24,N28,N29, N31,N33,N36,N39,N40, N47/02;N2,N5,N6,N8, N19,N23,N24,N25,N26, N27,N29,N30/03	11534	32	17/03*			
623	9	47/02;19/03	11363	38	26*,29,35,38,40,43,49, 51/02;4,5,7,18,19,20,21, 22,24,26,27/03	11535	12	25,46/02			
624	3	22/02	11364	39	3*,4,5,8,9,18,19,21,23, 25,26,27,30/03	11536	15	40/02;4,7/03			
632	8	24,45/02	11365	17	52/02*,9,32/03	11537	34	21*,23,26/03			
702	5	7/03	11366	7	48*,51/02;5,6,7,8,19,21, 23,24,25,32/03	11539	18	39,44,51/02;6/03			
703	4	46/02;7/03	11367	31	25,33/02;19,21,23,26, 30/03	11541	33	8*,9,14,22/03			
705	3	46,52/02	11368	22	38/02*,19,21,23,30/03	11542	15	39/02			
709	2	50/02,19,25/03	11369	44	9*,18,19,21,27/03	11543	22	29,39/02;8/03			
1113A		20*,21,22,25/03	11370	18	14,25/03	11544	37	36/02*,8/03			
1114A		23,39/02;4,9,11,12,13/03	11371	34	46*,49/02;4,25/03	11545	60	45*,47/02;6,8,14,22,23, 24/03			
1115A		1*,2,5,6,8,19,23,24,25, 26,27,29,30/03	11372	35	31/02*	11547	35	22*,25,29,30,37,47/02;6, 8,14,22,23/03			
1116A		2*,5,6,7,8,9,14,17,18,19, 21,22,23,24,25,26,27,29, 30,31,32/03	11373	33	2/03*	11548	38	47/02*			
1117A		28*,30,31,32/03	11374	21	47/02*	11550	28	17/03*			
11004	7	22,26,28,31,37,39,40,42, 43,45,47,51/02;5,6,7,8,9, 14,18,21,22,23,24,25,26, 27,29,30,32/03	11375	35	17/03*	11553	28	8/03*			
11006	30	28*,36,39,40/02;2,6,19, 21,23,24,25,27,29/03	11376	14	6/03	11555	38	36/02*,7,24/03			
11009	36	23,24,32,35,44,51/02;6, 12,19/03	11377	4	14*,20/02;15,21,22,23/03	12200	47	38*,42,52/02;7,12,18/03			
11013	44	20,35,50/02;6,7,8,9,13, 16,21,22,23,24,25,31/03	11378	13	N20/02;N8,N15,N21, N22/03	12201	25	N23,N42,N52/02;N7, N12,N18,N24,N32/03			
11300	39	28*,30,31,32/03	11379	11	36*,50/02;6,13,15,21,23, 25,31/03	12204	35	10/03*			
11301	23	21,37/02;16,24,32/03	11380	16	28/02;7,15,25/03	12205	27	37*,43,52/02;18,28/03			
11302	29	34*,37/02;16,24/03	11381	14	22*,28/02;22,25/03	12206	29	31*,33,38,46/02;10, 28/03			
11305	1	N21,N26,N29,N36, N46/02;N1,N6,N7, N32/03	11382	17	24/03*	12207	20	23,50,52/02;18/03			
11307	36	28,31/02;22,24,27/03	11383	11	14*,43,49/02	12208	9	23*,28/03			
11308	22	3*,7,10,23,25,32/03	11384	16	28/02;7,25/03	12210	36	8/03*			
11309	36	21,26,28,36,46/02;1,6,7, 22,24,25,32/03	11385	36	52/02*,22/03	12211	41	10/03*			
11310	1	N21,N46/02;N22,N23, N32/03	11386	36	30*,31/03	12214	44	14*,19/03			
11311	23	21,46/02;26/03	11387	17	47*,50/02;4,12,21,23/03	12216	27	47/02*,19/03			
11312	3	21,26,28,36,46/02;1,6,7, 22,23,32/03	11388	5	24,27,35,50/02;7,9,12,21, 23,31/03	12221	73	52/02*,1,4,6,7,18,19,25, 28/03			
11313	22	31/02;22,27/03	11389	44	9*,18,19,21,27/03	12222	44	26*,28/03			
			11461	5	28/02;7,15,25/03						
			11462	24	22*,28/02;22,25/03						
			11463	17	24/03*						
			11464	16	28/02;7,25/03						
			11465	36	52/02*,22/03						
			11466	36	30*,31/03						
			11467	37	47*,50/02;4,12,21,23/03						
			11468	39	42*,43,49/02						
			11469	5	24,27,35,50/02;7,9,12,21, 23,31/03						
			11470	36	10*,12/03						
			11472	31	8*,25/03						

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 32/03

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.
12224	23	8/03*	12364	34	20*,23,25,27,32/03	13305	28	25,40,41,49/02;2,7,9/03	14803	26	5/03
12225	54	22/03*	12365	26	6,23/03	13307	10	23,28/03	14804	24	20/02*;5/03
12226	16	22,30/02;7/03	12366	27	51/02;20,27/03	13308	11	40/02	14813	21	2/03*
12228	29	43/02*	12368	26	42/02*;24,25/03	13309	28	42/02*;9,32/03	14816	23	5/03
12230	60	30/03*	12369	25	31*,44/02;32/03	13312	21	10/03*	14820	19	11/03*
12231	26	31,35,46/02;7,30/03	12370	18	39/02*	13313	19	21,25,41,49,52/02;6,9/03	14822	31	10/03*
12233	35	3*,4,5,6,14/03	12371	23	27/03*	13315	11	49/02	14823	30	1/03*
12235	29	30,31,47/02;4,6,7,17/03	12372	31	45*,47,48/02;2,5,6,23, 25/03	13316	22	28/03*	14824	25	24/02
12237	26	27,47/02;17,25/03	12373	14	2/03	13318	18	38*,41,52/02;5,6,21/03	14826	27	4/03*
12238	37	46/02*;1,4,7,19,25/03	12375	21	22/02	13321	9	20/03*	14829	5	21/02
12241	21	34,44/02;7/03	12377	14	22,25,37/02	13323	7	5/03	14830	30	31/03*
12245	62	30/03*	12378	14	2,13,23/03	13324	13	41,52/02;2/03	14832	34	52/02*
12248	39	30,33,40,50/02;4,5,6,8, 15,22,30/03	12401	7	31*,47/02;2,13/03	13325	14	2,29/03	14833	25	20,26/02
12251	23	35/02;4,6,7,15,26/03	12402	8	31*,33,47/02;13/03	13326	12	41,43/02	14835	31	39/02
12252	23	33,34/02;4,7,10,15,17, 30/03	13000		N21,N25,N48,N49/02; N21,N26,N29/03	13394	3	39/02*;9,21/03	14836	27	42/02*
12253	42	33,38,42,46,50/02;10,13, 28,30/03	13003	46	9*,12,18,23,29/03	13396	4	9,19,21/03	14837	27	26/02*;3/03
12254	43	38*,43,44/02;30/03	13006	30	39*,44,48,49,50/02;1,5,9, 17,18,P21,23,26,29/03	14002	57	21/02;32/03	14838	3	52/02*
12255	15	44/02;30/03	13009	30	42*,48,49/02;1,9,18, 23/03	14003	6	25,48,49/02;5,9,12,29/03	14842	12	23,39,40/02;2,4/03
12256	13	33,44/02;24,30/03	13200	33	25,37,48/02;7,9,18/03	14008	76	21/02	14843	22	23,39,51/02
12261	28	37*,44/02;7,18,22/03	13201	10	N25,N37,N48/02;N9, N18/03	14010	5	21,35/02;26,32/03	14844	31	4/03
12263	51	38/02*;7,18,20,24,25, 30/03	13203	12	37/02	14024	5	33,36,39/02;12,22/03	14845	26	4/03
12264	28	38/02*;7/03	13205	36	37,42,45,48/02;1,5,23/03	14040	65	40/02	14846	11	23,24,39,40/02;2/03
12266	27	30/02;20,30/03	13209	23	37/02;23/03	14043	7	21,26/03	14847	30	24,40/02
12268	10	22/02*	13211	13	21,23,47/02	14044	44	6/03	14848	56	23,24,31/02;9,17,21, 22/03
12270	32	9*,18,24,25/03	13212	35	9*,13/03	14061	27	6,9/03	14850	51	21*,23/02;7,21/03
12272	29	26*,27,36,45/02;13,16, 30/03	13213	40	14*,25/03	14062	17	32/03	14852	45	19*,21/03
12273	53	26*,31,36,45,50/02;5,15, 17,19,30/03	13214	27	34*,45,48/02;5/03	14066	19	6/03	14853	14	26/03*
12274	33	37*,50/02;5,15,17,30/03	13215	17	45,48/02;1,5/03	14067	11	6/03	14854	13	24/02;17/03
12277	31	26*,50/02;8/03	13216	1	N48/02	14083	30	33/02	14860	35	21,24/02
12278	72	26*,36,45/02;19,25, 30/03	13218	38	29,42,45,51/02;5/03	14087	58	33/02	14862	28	26/02*
12280	3	37*,43,45,46,47,50, 52/02;1,6,7,18,28/03	13221	53	29,44,51/02;2,5,7,27/03	14088	10	41/02*	14863	30	24/02
12281	49	12,19,25/03	13223	36	52/02;2/03	14089	29	41/02*	14864	26	24,37/02
12282	33	31*,44/02;7,8,18,19, 25/03	13225	27	51,52/02	14090	2	33/02	14865	16	4/03
12283	24	8,18,25/03	13227	27	39,42,45,52/02;1,7,19/03	14091	6	41/02*	14867	25	32/02
12284	15	7/03	13230	46	2*,7,19/03	14110	42	32/03	14871	2	21/02
12285	35	11*,14,19,22/03	13232	4	39,42/02	14111	7	14,32/03	14872	3	21/02
12286	29	2*,4,6/03	13233	16	10/03	14112	5	32/03	14873	2	35/02
12288	19	27/02	13236	29	45/02;1,7,19/03	14144	29	21/02	14880	30	33/02;4/03
12289	48	10*,19,22/03	13237	39	27/03*	14146	2	32/03	14881	31	28*,33/02
12300	43	19/03*	13241	15	21*,34,42/02	14151	2	37/02;32/03	14883	42	23/02
12301	21	N20*,N28,N29,N37, N39,N42,N45/02;N5, N17/03	13244	39	22*,48/02;7,32/03	14169	2	32/03	14885	20	51/02
12304	43	21*,26/03	13246	36	26,27/02;8/03	14180	38	21/02	14901	14	52/02*;5/03
12311	41	28,31,42,50,52/02;8,24, 26/03	13249	12	22/03*	14184		N32/03	14902	28	24,25,31/02;4/03
12312	52	10*,15,24,32/03	13253	18	3*,8/03	14208	28	40/02	14903	23	31/03*
12313	48	21,27,31,33,43,52/02	13260	38	28*,36,43,48,49,50/02;1, 7,9,18,P21,23,26,29, 32/03	14221	26	40,46/02	14904	25	31,32,46/02
12314	30	46*,50/02;5,25/03	13263	7	N20,N21,N25,N27,N36, N43,N48,N49/02;N1,N7, N9,N18,NP21,N23,N26, N29/03	14223	18	3,16/03	14905	29	31,35,37/02;5/03
12316	29	2*,6,32/03	13264	103	21,36,49/02;9,P21,26, 29/03	14225	17	38/02;16/03	14906	23	5/03
12317	31	26,37,50/02	13267	30	27,52/02;1,7,9/03	14226	32	40/02;6/03	14910	23	17/03*
12318	41	9*,32/03	13270	59	33,34,40,43/02;1,2,7, 12/03	14227	28	40/02;6/03	14911	20	4/03
12323	23	40/02;4/03	13272	47	28,40/02;8,25/03	14228	11	40/02;6,32/03	14912	17	31/03*
12324	30	2*,8/03	13274	24	27,45,52/02;1,2,16,32/03	14240	6	34/02;1/03	14913	18	31/03*
12326	48	27,28/02;4,8,17,19/03	13275	27	27,45,52/02;1,2,7,16/03	14242	13	34/02	14915	25	28/03*
12327	96	1*,2,8,12,13,14,16,18,19, 23,29/03	13276	21	27,52/02	14243	8	34/02	14916	10	45/02*;17/03
12331	30	8*,13,14,18/03	13278	25	1,9,3/03	14244	5	16/03	14917	23	3/03
12332	21	22,43,46/02;13,18/03	13279	30	20*,32/03	14259	3	32/03	14918	26	25/02;17/03
12333	32	46*,47/02;5,12,16,18,23, 29/03	13282	11	21/03*	14260	47	35/02;26,32/03	14919	27	24/02
12334	66	30/03*	13283	18	1,9/03	14263	15	26,32/03	14922	19	26*,51/02;9/03
12335	39	1,8,23/03	13285	10	20/03	14280	37	35/02	14924	27	28*,32/02;5/03
12337	22	20,28,31,45/02;13,18/03	13286	29	39*,40,50/02;1,9/03	14310	2	52/02;12,30/03	14926	10	32/03*
12338	9	21/03*	13288	40	20,23,29,36,43,50,51/02; 29/03	14329	5	32/03	14927	24	21*,31,32,35,37/02
12339	43	23/03	13290	34	20,36,40,43,50,51/02;7, 16,29/03	14345	2	32/03	14928	21	4/03*
12341	25	22/02*;21/03	13292	36	20*,36,40,43,50,51/02;7, 16,29/03	14354	2	30/03	14929	24	14/03*
12343	18	37/02*;7,21,27/03	13293	33	26*,29,43,51/02;14, 27/03	14378	N52/02		14930	24	45/02
12345	10	42/02*;21/03	13298	10	43,52/02	14358	N36/02		14931	24	35/02*
12347	29	25/02;27,29/03	13299	12	48/02;7,16,29/03	14360	36	26,33,36/02	14932	23	26/03*
12348	33	25/02;27,29/03	13301	20	25,33,51/02;23/03	14366	2	37,40/02	14933	24	35*,37/02
12350	57	39*,49/02;29/03	13302	21	20,25,41/02;2,7,9,32/03	14386	3	36/02	14934	27	17*,26/03
12352	29	34/02;17/03	13303	12	48/02*;7,9/03	14415	4	33/02	14937	24	52/02*;2,17/03
12354	39	22,28,33,37,45/02;2,6,7, 10,23,32/03	13303	12	43/02;27/03	14500	27	52/02*	14942	25	35/02
12358	19	46*,49/02;1,7,10/03	13308	21	20,25,41/02;2,7,9,32/03	14500	27	52/02*	14963	21	11/03*
12362	16	49/02	13308	21	20,25,41/02;2,7,9,32/03	14769	N31/02*		14966	25	14*,21/03
12363	39	28,44/02;6,23,27,32/03	13303	12	48/02*;7,9/03	14773	16	26/03	14967	22	5/03
12365	10	42/02*;21/03	13303	12	48/02*;7,9/03	14774	16	15/03	14970	25	40,46,51/02
12367	33	25/02;27,29/03	13303	12	48/02*;7,9/03	14775	N31/02*		14972	25	21/02
12368	57	39*,49/02;29/03	13303	12	48/02*;7,9/03	14776	N31/02*		14973	27	15/03*
12369	11	2*,14/03	13303	12	48/02*;7,9/03	14777	N31/02*		14974	24	32/02
12370	25	43/02;27/03	13303	12	48/02*;7,9/03	14778	24	21,22/02	14975	33	52/02*
12371	23	27/03*	13303	12	48/02*;7,9/03	14785					

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 20/02 THROUGH NM 32/03**

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.
15744		N30/02	17379	1	20/02	18412	10	20/03	18649	62	20,23,33,36,38,41/02;4,6,
15880		N41/02	17382	15	20/03*	18413	15	20,22/03	18650	51	21,26/03
15954		N47/02*	17383	1	31*,49/02;8/03	18414	9	20/03	18651	42	28*,33,38,41/02;4,21,
16003	16	13/03	17384	7	44/02	18415	8	42/02;7,22,32/03	18652	31	26/03
16004	11	13,17/03	17385	14	14/03*	18416	6	P44,48/02;22/03	18653	42	15/03*
16006	33	6,32/03	17400	16	36/02;10,12/03	18418	6	15/03	18654	42	20,23,26,27,30,33,38,41,
16011	35	38/02;8,29,31,32/03	17401	10	1/03	18419	11	47/02;12/03	18655	58	49/02;4,6,7,12,16,21,26,
16012	21	38/02	17402	10	46/02*	18420	1	22/03	18656	53	28/03
16013	28	22,29,52/02;21,29,32/03	17405	14	12,25/03	18421	45	2*,18,20,22,32/03	18657	18	26,27,30/02;4,21/03
16042	7	39/02*	17406	6	25/03	18423	33	1*,5,7,9,15,18,30,32/03	18658	29	23,26,27/02;4,21/03
16061	8	27,37,49/02;13,17/03	17409	10	39/02*	18424	5	7/03	18659	14	26,30,49/02;7,16,21/03
16300	8	52/02;3,8/03	17413	2	43,50/02;10/03	18427	21	35/02*;7,19/03	18660	2	29/03*
16305	9	8/03	17414	3	41/02	18429	9	3*,22/03	18661	27	15*,16/03
16322	7	8/03	17416	3	10,14/03	18430	7	8/02*;6,7,22/03	18662	20	30/02;7/03
16363	12	38/02*	17420	26	36,37,42,43,50/02;1,10,	18431	6	2/03*	18663	5	14/03*
16381	8	8,25/03			12,14,20/03	18432	5	14/03*	18666	1	26/02;21/03
16435	5	27/02	17422	8	52/02*	18433	5	2*,22,32/03	18680	30	6,13/03
16440	13	37/02	17426	13	37/02;1,16,20/03	18434	4	P44,48/02;6,9/03	18685	31	25/02;6,12/03
16441	7	37/02	17427	7	21/03	18440	26	3*,15,18,22,28,30,32/03	18687	13	8/03*
16442	6	37/02	17428	7	5/03	18441	42	30*,32,39/02;6,7,9,15,18,	18700	21	34,36,37/02;4,6,10,13,
16480	10	38/02	17429	2	N38/02*	18443	15	39/02;6/03			21/03
16500	9	9/03	17430	10	5/03	18444	15	39/02			
16520	21	2,31/03	17434	11	5/03	18445	29	22,28,32,33,39/02;6,7,9,			
16521	5	27/02	17436	6	20/03			10,15,18,22,25,28/03	18703	24	36,37/02;4,27/03
16528	16	9/03	17437	8	21/03				18704	12	37/02
16529	14	50/02;9/03	17438	12	50/02;10,14,15,21/03				18720	31	23,35/02;4,6,10,12,25/03
16530	6	50/02	17441	7	10,15/03				18721	11	35/02;6,10/03
16535	12	2,21,31/03	17443	12	10/03				18723	3	6/03
16549	14	4,16/03	17445	2	10,14/03				18724	1	22*,25/03
16553	3	17/03	17446		N10/03				18725	27	32/03*
16556	4	8/03*	17460		N5/03				18740	39	20,23,34,37,45,50/02;5,6,
16561	1	29/03	17465	4	6,12/03						12,25,27/03
16566	10	29/03	17470		N23/03				18741	18	N25,N45,N50/02;N12,
16568	12	39/02*	17471		N6/03						N27/03
16575	1	39/02	17472	4	5,14/03				18744	30	37/02
16576	3	42/02;6/03	17480	4	43/02;5,10/03				18746	34	20,23,34/02;5,13/03
16580	11	39/02	17482		N7,N14/03				18749	38	20,23,25,27,40/02;5,6,16,
16590	10	38/02*	17489	19	43/02						21,26,28,31/03
16592	9	16/03	17495	2	43/02				18751	42	20,25,27,40/02;5,6,16,21,
16593	11	14/03*	17503	4	43/02						26,28,31/03
16594	13	2/03	17513		N42,N43/02;N15/03				18754	16	36/02
16595	14	2/03	17515	7	6,15,16/03				18757	10	13/03
16596	12	39/02*	17517	8	6,15,16/03				18758	6	35/02*;16/03
16597	8	43/02	17518	7	P44,48/02;16,18,20/03				18760	6	N23,N34,N35,N45,
16598	9	43/02	17519	13	16/03						N50/02;N6,N25/03
16599	6	43/02	17520	2	N6,N16/03				18761	2	N20/02
16603	7	42/02;6/03	17521		N15/03				18762	15	20/02
16604	11	22/02*	17522		N15/03				18763	9	20/02
16606	11	37/02*;21/03	17523		N15/03				18765	15	25,45,50/02;12,27/03
16608	3	6/03	17524		N12,N15/03				18766	7	25,45,50/02;12,27/03
16640	24	21/03	17525		N15/03				18768	4	N25,N45,N50/02;N12,
16646	12	8/03	17526		N15/03						N27/03
16660	28	22,25,29,42/02;6,16/03	17528		N43/02;N6,N12/03				18769	2	N20/02
16662	6	22,29/02	17541	3	43/02				18772	47	21/03*
16663	6	22,25,29,42/02;6,16/03	17542	6	47/02				18773	38	20,23,25,50/02;10,12,13,
16665	7	22,25,29,42/02;6,16/03	17543	17	41/02						27/03
16680	10	6,32/03	17545	13	43,47/02				18774	10	35/02*;10,16/03
16681	10	37/02*	17546	22	42,43,47/02;24/03				18775	2	N20/02
16682	15	8*,17,19/03	17548	28	16/03				19002	9	N23,N25,N37,N51/02;
16683	9	3,6,17,32/03	17549	6	47/02;15/03						N16,N23,N29/03
16700	27	21*,49,52/02;9,16,22,	17550	4	42,43,P44,45,47,48,				19004	36	23,25,35,37,51/02;23,29,
	32/03			52/02							30/03
16701	18	21*,52/02;9,22,32/03	18000	8	45/02;6,10,21/03				19007	16	31/02;16,23,29,30/03
16702	10	38,52/02;1,9,13,22,32/03	18002	6	N45/02;N2,N6,N10,				19008	4	16,23,29/03
16705	19	49/02;16/03			N21/03				19009	4	16,23,29/03
16707	10	34,37/02;16,20/03	18003	19	22/03*				19010	17	45*,51/02;23,29/03
16708	25	37,49/02;16,20/03	18005	4	N20,N34/02;N6,N10,				19013	16	25,51/02;29,30/03
16709	22	49/02			N13,N21,N26/03				19019	9	28/03*
16712	1	16/03	18006	3	N6/03				19320	16	23,27,35,37,51/02;5,16,
16713	2	49/02	18007	31	20,26,33,34,37,38,39,40,						23/03
16741	9	46/02			47,52/02;18,22,24,26/03				19324	22	27,35/02;5,23/03
16760	10	51/02;28/03	18008	7	N20,N26,N33,N34,N37,				19327	10	23/02;23/03
16761	16	28/03			N38,N39,N40,N47,				19330	9	27/03
16762	9	26/02*			N52/02;N18,N22,N24,				19331	7	23/03
17003	4	47,52/02;24/03			N26/03				19339	1	N25,N35,N49,N51/02;
17005	10	41,45,47,52/02;24/03	18009	2	N34/02;N6,N13,N26/03						N5,N13,N30/03
17008	12	43/02	18010	20	33,34,37,38,39,40/02;6,				19340	26	25,35,49,51/02;5,13,29,
				13,26/03						30/03	
17300	30	52/02*;21/03	18020	36	20,34,37,45/02;6,10,13,				19347	17	25/02;29/03
17302	18	21*,51/02			21,26/03				19348	7	29/03
17303	9	37/02			21,25/03				19349	7	29/03
17315	23	2*,16,21,25/03	18022	33	23,34,37,45/02;6,10,13,				19350	11	27/02
17316	20	28/02*,3,25/03			21,25/03				19351	9	25/02
17320	15	13,29/03	18400	43	2*,6,16,18,22,30,32/03				19353	12	27/03
17323	10	13,22,29/03	18403	21	6,20/03				19357	22	42*,49,51/02;5,13,30/03
17325	7	29/03	18405	12	43/02;16/03				19358	20	28/02*
17327	20	5/03	18406	5	16/03						
17360	33	31/03*	18411		N16,N20/03						

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 32/03

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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.	
19359	10	12,16/03	22126	1	36/02	22471	31	44/02	24291	4	36/02	
19360	1	N37,N51/02	22130	2	44/02;14,17,29,32/03	22481	35	43,44/02;19/03	24292	4	36/02	
19361	7	30/03	22138	2	41,44,48/02;6/03	22482	16	44,50/02;23/03	24293	6	32,36/02	
19362	12	49/02	22140	2	30,34,36,44/02;25/03	22521	3	12,17/03	24294	22	36/02	
19366	36	31,49/02;5/03	22142	2	39,41,43/02;25/03	22523	3	12,17/03	24311	4	27/02	
19367	37	22,31,49/02;10/03	22143	4	26*,29/03	22529	3	12,17/03	24312	4	27/02	
19369	5	22,31,49/02;10/03	22145	2	N41/02;N25/03	22531	2	12,17/03	24320	4	27,28,34,43/02;6,17/03	
19379	1	N25,N51/02;N5,N13, N30/03	22160	2	30,34,39,41,48,52/02; 25/03	23010	4	27,38/02	24321	3	6/03	
19380	14	25,51/02;5,13,30/03	22170	3	30,39/02;6/03	23020	4	22/03	24322	6	28,34/02;6,17/03	
19381	8	25,49,51/02;26/03	22172	8	48/02*;4,6,29/03	23023	4	27/02	24350	2	31,51/02;18/03	
19382	15	26/03	22173	36	48/02*;6,17,29/03	23030	6	27,38/02;21,22/03	24355	2	51/02;25/03	
19383	17	49/02;5/03	22180	2	30,34/02;32/03	23115	3	27/02	24360	1	25/03	
19385	7	20/02*	22181	16	27,39,41/02;29/03	23121	7	30/02;17,20/03	24370	1	34/02	
19387	9	N25/02	22182	6	30,34/02;14,29/03	23122	8	23,30,33/02	24375	2	34/02	
19401	8	10/03*	22183	3	20/02;32/03	23123	3	30/02	24380	2	35/02	
19402	6	9/03*	22190	2	30/02;29/03	23124	3	N30/02;N17,N20/03	24388	2	35/02	
19421	7	8/03*	22205	2	12,18/03	23125	4	30/02;17/03	24404	8	21,26,35,44,48/02	
19441	7	28/03*	22221	20	20/02;12,31/03	23126	6	N24/02*	24405	10	26,35,36,44,48/02	
19442	5	14*,26/03	22222	1	4,12,31/03	23127	4	N24/02*	24406	30	20,26/02;2/03	
19461	7	10/03*	22225	2	12,18/03	23128	4	N24/02*	24408	21	36,44,48/02	
19483	6	11/03*	22233	29	13,18,25/03	23129	2	N24/02*	24410	2	21,44/02	
21005	5	45/02;2/03	22250	2	42/02;12,18/03	23131	7	26,31/02;12,22/03	24430	5	39/02;8,11,31/03	
21008	62	39,42,43,50/02;1,2/03	22251	11	12,28/03	23141	7	34/02;22/03	24431	14	39/02;31/03	
21011	5	2/03	22259	4	20/02;20,24/03	23142	10	8/03	24434	4	39/02	
21014	72	42,50,52/02;2,3,4/03	22263	1	26/03	23150	10	20,37,52/02	24450	3	26/03	
21017	50	23,41,50/02;4,5,6,9/03	22264	2	20,42/02;13,18,20,24, 26/03	23151	3	12/03	24452	7	26/02	
21020	42	23,41/02;5,6,7/03	22275	3	20,42/02;12,18,26/03	23152	3	37/02;12/03	24453	5	26/03	
21021	3	45/02;13/03	22281	9	12,18/03	23153	8	20,31/02;12,13/03	24454	5	5,26/03	
21023	41	34/02;7,8,9/03	22282	17	12/03	24000	39	27,29/02	24460	4	39,47/02;15,29,32/03	
21033	46	20,32/02;1,16/03	22283	3	N12/03	24004	36	29,30/02	24461	4	16/03	
21036	7	1,16/03	22284	7	N10/03	24016	53	30,39/02	24462	5	47/02;16,29/03	
21120	27	47,50,51,52/02	22290	4	20/02;18,30/03	24020	47	27/02	24463	6	24,39/02;12,15,25,26/03	
21121	18	47/02	22293	15	20/02;18,26/03	24028	6	23,48/02	24465	6	23,33,47/02	
21122	5	47/02	22294	15	12/03	24050	11	27,31,34,38,49/02;20,31, 32/03	24469	1	20,46,47/02;13/03	
21125	13	51,52/02	22305	2	18,24,30/03	24052	15	31,37,38/02;14,19,21, 30/03	24470	4	28,39,47/02	
21126	1	50/02	22311	19	8/03	24053	16	24/02;19/03	24471	8	28,47/02	
21140	1	45,50/02;12,27/03	22312	2	13,30/03	24055	6	37,49/02;14,19,21/03	24480	1	25,27,41,44,45,49/02;24, 27/03	
21141	23	48/02	22313	2	44/02;8,18/03	24057	4	31,38,49/02;20,30/03	24482	2	24,49/02;31/03	
21160	1	45/02	22314	1	44/02	24058	2	31,32,37,38/02;19,22,28, 29,30/03	24483	2	20,24,49/02	
21161	19	43,48/02	22331	2	N10,N19,N24/03	24060	2	34/02;17,32/03	24484	3	24,49/02;31/03	
21180	1	2,7/03	22335	4	19/03	24080	5	29/02;17/03	24490	3	24,31/02;25,27/03	
21182	34	39/02	22341	9	43/02;11,21,29/03	24091	6	26/02;6,21/03	24491	3	31/02;27/03	
21200	1	2/03	22342	9	21,29/03	24092	14	24,29/02;5/03	24492	20	31,46/02	
21301	13	3,12/03	22343	1	N43/02;N10,N11,N21/03	24100	5	24/02;24/03	24501	3	27/02;27/03	
21342	28	41,44/02	22344	6	N23/03*	24101	3	37,41/02	24502	6	46/02;27/03	
21384	3	23/02;6/03	22345	11	42/02;24/03	24102	3	37,41/02	24504	7	41,45,46/02	
21401	20	7/03	22347	6	N23/03*	24110	3	27,29/02	24508	3	22/03*	
21441	27	34,44/02	22351	1	N43/02;N12/03	24111	14	24,29/02;5/03	24509	2	45,50/02;15,25/03	
21478	3	9,16/03	22352	6	12,19,24/03	24112	3	27,29/02	24510	2	41,45,46,50/02	
21510	1	9,16/03	22360	2	19/03	24130	14	24,29/02;5/03	24511	2	24/03	
21521	14	29/03	22361	2	N10,N30,N32/03	24133	6	31/03	24512	3	25,29,44,46/02;24,25/03	
21563	3	45/02	22370	2	15,19,26,30/03	24140	18	32/02	24513	18	46/02	
21601	4	31/03	22371	5	30,32/03	24141	4	5/03	24517	2	46,49/02;25/03	
21602	1	28/02	22373	1	N50/02;N10,N24,N30, N32/03	24142	43	5,6/03	25001	7	15/03	
21603	9	5,31/03	22375	1	N10,N15,N26/03	24149	1	32/02	25017	5	15,25,31/03	
21605	7	31/03	22377	1	N10,N13/03	24150	27	27,29,30,32/02	25018	9	15,25,31/03	
21661	12	6/03	22379	1	N50/02;N10,N30,N32/03	24151	4	29,32/02	25040	1	23,26,35,48/02	
22004	38	20,23,30,32,34,36,39,41, 43,52/02;16,29/03	22381	43/02	2	42/02;15,19,22,26,30/03	24152	2	30/02	25480	1	20,42,46/02
22008	35	30,34,36,39,41,43,44,48, 52/02;6,14,17,29,32/03	22395	2	42/02;15,19,22,26,30/03	24153	6	30/02	25481	25	26/02	
22012	31	30,34/02;6,29,32/03	22401	4	N23*,N30/03	24156	2	22/02	25485	45	23,26/02	
22032	20	19/03	22403	1	N45/02	24159	1	27/02	25487	2	23,26/02	
22036	28	47/02	22404	15	46/02	24160	21	27,28/02	25524	43	33/02;1,5,20,24,26,32/03	
22050	4	12,26/03	22407	1	N4,N11,N18,N30/03	24161	11	27,42/02;7,28,32/03	25525	17	1,5,26/03	
22051	18	28/02	22408	1	N10,N21/03	24164	6	27/02	25526	2	33/02;24,32/03	
22052	6	28,46/02;25/03	22409	4	N45/02;N10,N17,N22/03	24170	14	5,6/03	25527	31	33/02;24,32/03	
22080	3	20,32/02	22410	32	43,44,46/02;19,23/03	24171	19	5,6/03	25528	5	21,42/02	
22082	4	13,25/03	22413	2	N45/02;N22/03	24172	4	5,6/03	25550	2	24/02;21/03	
22084	4	42/02	22417	1	N10,N25/03	24180	15	8/03	25563	50	33/02;14,18,21/03	
22090	2	30,32,43/02;4,17/03	22418	2	24,36,44,46/02;19/03	24202	6	31/03	25565	7	33/02	
22100	3	20,32/02;12/03	22420	2	4,11,15,19,30/03	24211	7	24/02	25566	27	18,30/03	
22101	19	20,32,43/02	22421	4	N43,N44,N46/02;N11, N23,N25,N26/03	24220	14	27,28/02	25567	16	21/03	
22102	19	17/03	22423	3	N11,N25,N27/03	24222	3	27/02	25570	3	31/02;16/03	
22109	3	17/03	22424	2	N27/03	24230	20	30/02	25575	4	31/02	
22111	4	32/02;17/03	22425	2	44,46/02	24233	15	36,43/02	25600	47	24/02;25,27/03	
22112	3	23,25,30,32,43/02;17/03	22427	1	N43,N44,N46,N50/02;	24240	5	30,39/02;7/03	25601	34	20/02	
22113	8	23,25,30/02;12,17/03	22428	1	N11,N23,N25,N26/03	24250	5	30,39/02;7/03	25607	4	24,39/02	
22114	5	32,42,43/02;17/03	22429	1	N24,N46/02;N10,N14, N17,N19,N27/03	24251	23	24,34,43/02;6/03	25608	21	16,26/03	
22120	3	23,30,34,36,39,41,43, 52/02;29,32/03	22430	6	19/03	24252	5	30,39,43/02;6/03	25609	5	30/02	
22121	9	23,30,34,36,44,52/02;29, 32/03	22433	3	39,47/02;11,14/03	24260	5	34/02	25613	2	30/02;25,27/03	
22124	2	34,52/02;6,29,32/03	22436	2	39/02;10,14/03	24270	3	24,27/02;17,29/03	25640	40	28/02*;15,25,31/03	
22125	1	36/02	22440	1	19/03	24271	1					

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 20/02 THROUGH NM 32/03**

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.
25659	9	20/03*	28197	4	45/02;18/03	35350	2	38,41/02	37087	7	38,40/02
25663	27	17,30/03	28202	22	41,44/02	35400	11	30/02	37088	9	5/03
25664	15	17,30/03	28210	2	33,35,39,41/02	35402	3	38/02	37089	12	21,28/02;4,13/03
25666	17	17/03	28220	2	35,39/02	35420	13	24,30/02	37090	8	27,32,45,51/02;1,7,9,14, 16,22/03
25667	20	15/03	28221	18	33,37,39/02;5/03	35421	14	31/02	37095	3	24,28,32/02;1,7,9,11,14, 15,16,20,22,32/03
25668	18	48/02;13/03	28223	4	35,39/02	35423	6	31/02	37101	9	27/02
25670	41	26,38,48,49/02;4,5,13, 20/03	28260	30	35,37/02	35424	3	30/02	37103	9	27,29/02
25671	18	21/03*	28263	3	35,37/02	36005	2	24,27,28,34,36,38,45, 46/02;P12,14,17,24,25, 27,31/03	37104	3	41/02
25673	15	28,42/02	28264	3	35,37/02	36010	27	20,22,24,38/02;5,15,16, 20/02/33	37106	4	32/03
25675	9	20/03*	28281	32	36/02	36015	2	24,27,36,46/02;27/03	37110	11	24,27,28,29,47/02;20,25, 31,32/03
25677	20	32/03*	28282	2	35/02	36040	16	30/02;1,15/03	37112	1	47/02
25679	10	20/03*	28300	1	23,39,50/02	36046	5	38/02	37115	2	27,28,29,33,47/02;7,25, 31,32/03
25681	16	28/03*	28302	16	31,33,39,40/02;12/03	36060	17	31,38/02;5,8,20,21/03	37119	2	43/02
25683	18	32/03*	28310	2	23,31,33,35,39/02	36061	5	46/02;20/03	37120	2	24,27,29,39,42,49,51/02; 4,6,21,23,24,25,26,27,30, 32/03
25685	9	22/03*	28320	6	33/02	36098	6	5/03	37121	11	24,27,29,31/02;25/03
25687	12	30/03*	28321	36	29/02	36102	6	13/03	37122	12	48/02;19,31/03
25700	3	15/03	28323	2	27,29/02	36103	9	13/03	37123	9	49/02;6,20/03
25720	3	33/02	28325	2	27,29/02;5/03	36104	6	13/03	37125	15	24,42,49/02;6,9,20/03
25800	3	24,36/02	28330	2	27/02	36106	17	31,38/02;5,8,20,21/03	37126	8	41/02
25841	9	24,36/02	29002	9	18,29/03	36112	12	21/02	37127	11	49/02;4,6,20/03
25848	25	5,13,15/03	29015	5	22/02;16/03	36113	25	21,46/02;11,16/03	37129	6	39,42,49/02;4,6,20,23,24, 30/03
25849	13	42/02;12/03	29107	2	29/03	36124	18	16/03	37133	4	44/02
26001	4	9/03	29121	5	32/02	36125	7	4,30/03	37134	5	38/02
26050	1	34/02;26/03	29122	5	32/02	36137	4	38/02	37136	6	38,46,50,51/02;30/03
26060	1	49/02	29127	4	29/03	36138	3	39/02;4/03	37137	6	46,48/02;30/03
26068	11	18/03	29141	3	29/03	36139	4	4/03	37139	8	23/02;1/03
26081	8	46/02;16/03	29142	3	7/03	36140	12	21,22,24,36,41/02;4,10, 27/03	37140	33	21,22,24,27,29,31,35,49, 51/02;4,6,16,24,25,30, 32/03
26083	14	29/02	35000	26	23,24,47,48/02;14/03	36141	7	4/03	37141	29	20,21,23,36,40,48,51/02; 1,4,12,17,19,24,27,31/03
26100	4	31/03	35008	18	21,45/02;4,8,10,14,21/03	36142	6	24/02	37145	23	46,50/02;4/03
26122	30	22/03*	35009	19	40,41,45/02;5,10,14/03	36143	4	34/02;5,30/03	37147	15	21,35,36,40/02;1,10,12, 16,17,19,25/03
26127	21	49/02;5/03	35011	2	48/02;1,25/03	36161	10	20,24,34,44,45,47,50/02; 4,10,18/03	37148	13	21,35,38/02;4,10,11, 27/03
26128	50	49/02;5/03	35016	17	29/02	36162	10	20,35,45,47,50/02;4, 18/03	37149	10	44/02
26129	11	26/02	35031	3	22/02	36163	13	20,31,34,35,38,44,45,47, 50/02;4,18/03	37150	8	21,22,31/02;14,19,26,27, 32/03
26142	10	24,33/02	35036	21	24,30,36/02;10,15,27/03	36164	7	34,38,44,46/02;8,15/03	37161	14	21,22,31,34,43/02;1,14, 19,24/03
26210	2	24,36/02	35040	18	21,45/02;4,8,10,14,21/03	36165	6	20,22,24,28,36,40/02;10, 27,30/03	37162	12	26/02;21,26,27,30,32/03
26218	2	31/03	35041	8	21,35/02;4/03	36167	2	24,40/02	37163	19	32/03
26219	5	31/03	35042	9	21,27,44/02;4,14/03	36173	1	40/02	37164	4	23,26,27,30,32/03
26229	11	31/03	35044	9	38/02	36180	23	20,21,22,36,40,50/02;4, 27/03	37165	2	20,21,34,36/02;10,12,13, 15,21,23,26,27,28,30,
26230	12	31/03	35047	5	35/02	36181	18	20,21,22,36,40,50/02; 4/03	37166	2	26/02;14,19,21,26,27,30, 32/03
26240	7	23/02;9/03	35060	14	22,40,41/02;10,14/03	36182	6	20,36,40/02;27/03	37170	11	38/02;14,19/03
26244	3	9/03	35080	16	22,40/02	37000	22	23,28,47,48/02;14,23/03	37175	2	5,27,30/03
26245	16	51/02;15/03	35081	15	22,27/03	37005	16	23,41,45,47/02;5,12,13, 15,23,28,29,30/03	37180	20	21,38/02;27,31/03
26259	2	51/02	35082	7	22,27/03	37010	23	23,26,41,45,47/02;10,12, 13,15,19,23,27,28,29, 30/03	37182	14	35,47,48/02;24,27,03
26260	5	24/02	35083	8	20/03	37025	26	38,51/02;1,24,25,27, 31/03	37183	9	48,51/02;10,24/03
26261	27	8/03	35084	15	50/02	37032	2	1,6,25,31/03	37184	8	48/02;5/03
26262	3	8/03	35086	5	31/02;22/03	37033	2	47/02	37200	15	28,30/03
26280	7	23/02	35088	2	50/02	37041	15	20,27,50/02	37202	2	22,27/03
26282	6	22,23/03	35099	3	41/02	37042	5	41,45/02	37205	2	39/02;22,24,30/03
26290	1	21/03**	35100	14	40,45/02;5,30/03	37043	17	20,43/02	37221	13	20,21,24,25,27,28,34, 36/02;6,10,11,12,13,14, 15,21,23,29,30,32/03
26295	1	21*,22/03	35101	6	41/02	37044	16	45/02	37222	13	27,28/02;21,22,30/03
26300	7	21/03*	35103	5	41/02	37045	11	45/02	37223	14	26,42/02;21,26,27,30, 32/03
26308	5	21*,22,23/03	35120	13	40,45,47/02;5,30/03	37046	18	21,31,43/02	37224	11	22,23,30/03
26309	26	11/03	35130	3	48,51/02;5/03	37050	9	26,42,46/02;10,12,17/03	37226	17	20,21,25,28,30,39/02;8,9, 12,14,17,21,23/03
26312	2	21/03	35135	1	5/03	37060	3	21,31,46,50/02;9,13, 18/03	37228	14	21,24,27/02;8,14,23,27, 29,30/03
26316	3	21/03	35136	2	48,51/02	37061	15	36,38/02;5/03	37229	15	8/03
26320	5	24,27,28,29,35/02;7,12, 22,23,25,31/03	35141	11	34/02	37063	21	21,28,36,50/02	37230	14	24,25,39/02;28/03
26323	4	1/03	35144	3	11/03	37075	3	21,31/02;5,18/03	37231	18	20,21,25,28,30/02;6,10, 12,14/03
26327	2	N41/02*:N17/03	35150	3	48/02	37079	5	22/02	37232	12	21,38/02;29,31/03
27005	4	6,8,9,22,23/03	35155	3	25/03	37080	3	24,27,30,33,34,38,40,42, 44,45,46,51/02;1,4,7,9, 14,15,18,20,21,22/03	37234	13	20/02;7,8,31/03
27040	5	9/03	35159	3	25/02	37081	23	20,21,28,38,43,50/02	37235	11	17/03
27041	4	50/02	35163	7	25,44/02	37082	9	28,44,50/02;11/03	37238	6	17,21,30/03
27060	2	22,23/03	35166	4	35/02	37084	9	20,22,38,40,43/02	37241	17	26/02;26,27,30,32/03
27080	4	20/02;15,22/03	35167	3	35/02	37085	8	38,40/02	37242	10	20/02;26,30,32/03
27081	6	49/02	35169	2	35/02	37086	8	38,50/02;4/03	37243	7	27,30,32/03
27082	6	49,51/02	35200	7	48,51/02;5,25/03						
27083	39	28/03	35210	3	29/02						
27084	4	13/03	35230	3	29/02						
27100	2	31/02;8,21/03	35236	2	38,50/02						
27102	11	28/03	35246	2	38,43/02						
27120	4	41,43,44/02	35247	4	50/02						
27142	5	9/03	35255	3	50/02;14/03						
27160	2	8,13/03	35256	2	14/03						
27161	4	8,13/03	35270	2	38,46/02						
27163	21	49/02;8/03	35276	3	46/02						
27183	8	1,9/03	35277	3	38,46/02						
27186	8	1,9/03	35279	3	38/02						
28004	1	20,23,45/02;8,9,22/03	35295	3	27/02						
28006	1	8/03	35298	7	27/02						
28050	3	28,34/02;26/03	35299	9	13/03						
28084	4	17/03**	35301	6	17/03						
28150	3	8/03	35302	7	17/03						
28162	29	28/02	35303	7	40/02;17/03						
28164	17	28/02	35308	5	10/03			</			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 32/03

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.
37244	11	26/02;23,26,27,28,30, 32/03	43163	3	44/02	44072	4	21/02	44360	9	20,21,34,37,41,42/02;4,9, 10,20,27,28,30,31,32/03
37246	14	21,24,27,30,32/03	43164	3	48/02;6/03	44073	2	21/02	44361	6	21,27/02;4,10,15,21,26, 27,28/03
37248	18	39/02;21,23,24,26,27,30, 32/03	43180	5	9/03	44075	4	21,29,31,42/02;13,23/03	44365	1	7,8,26,27/03
37249	18	39/02;21,23,24,26,27,30, 32/03	43182	4	47,52/02	44076	3	25/02;22,28,30,32/03	44366	1	34,41/02
37258	4	1,11,22/03	43223	4	41/02	44081	9	20,24,25,39/02;9,13/03	44367	2	20,22,25,26,29,35,37, 40/02;6/03
37261	10	28/02;1,7,11,20,22/03	43225	4	52/02	44082	11	21,24,25/02;9/03	44400	4	48/02;4,6,7,8,9,12,15,17, 19,23,24,25,27/03
37262	20	1,11/03	43240	4	50,51/02	44083	8	21/02;9,11,24,25,26/03	44401	7	10,12,19,24/03
37264	3	30/02;1,15,22/03	43242	4	52/02	44084	1	6,11,26/03	44410	4	4,6,11,12,13,14,15,23,24, 26,27/03
37265	3	24/02;1,7,17,32/03	43243	4	50,51/02	44085	2	21,25/02	44420	6	36,49/02;8,9,10,11,12,14, 17,22,25,27/03
37281	15	30/02;1,15,22/03	43248	3	9/03	44100	7	24,25,26,44/02;2,9,11,12, 13,22,31/03	44430	2	28/02;6,10,11,14,19,24, 25/03
37320	16	26,27,28,38,44/02;9,10, 11,P12,15,17,21,24/03	43265	2	44,52/02	44105	2	49/02;5,6,8,24,26,27/03	44444	6	31/02;9,12,30/03
37325	8	34,39,47/02;15,18/03	43270	2	44/02	44120	7	21,26,27,28,29,31/02;2,9, 10,15,19,20,22,23,24, 27/03	44461	10	28/02;6,10,24,25,26,28, 31/03
37326	2	34,47,51/02;15,18,21/03	43281	6	20/02*;27/03	44140	8	26,27,28,29,31,50/02;1,6, 19,21,23,24,26,31/03	44462	4	27/03
37328	2	42,44/02;11,15,21,24/03	43283	6	27/03	44160	7	46/02;1,4,5,6,11,13,14, 15,20,26,31/03	44463	9	24/03
37330	2	22,24,26,30,32,34,38,40, 46/02;9,13,14/03	43284	4	51/02	44161	2	29,50/02;1,2,6,10,21/03	44465	2	28/02;6,25/03
37342	3	32/02;2,11,15,21/03	43285	5	44/02	44162	1	50/02;1,24/03	44481	2	26,28,31/02;24,26,31/03
37343	10	45/02	43300	5	44,47,50/02	44163	1	48/02	51007	22	38/02;7,27/03
37344	11	32,34/02;21/03	43301	4	45,50/02	44164	1	46,48/02;1,11,18,22/03	51013	4	38/02;7,21/03
37360	15	27,28,30,32,34,43/02;2,9, 10,11,15,17,21,24,31/03	43302	4	44,47,50/02	44165	1	46/02;1,5,6,11,20,22, 24/03	51017	31	37/02;24/03
37362	6	31,43,48,51/02;1,2,4,17, 22,32/03	43304	2	44,47,50/02	44178	2	21/02;2,5,7,10,16,26, 27/03	51022	11	37/02
37363	8	48/02;4,17,32/03	43321	6	30,41,47/02	44179	2	10,16/03	51061	14	1,7,15,17,19,21,22/03
37367	1	38,49/02	43323	4	30/02;27/03	44180	6	20,24,29,34,45,46/02;1,2, 5,7,8,9,20,26/03	51062	28	15,17,19,22/03
37380	2	34,40,42,43,44,48,51/02; 9,10,17,21/03	43324	4	30/02;27/03	44181	5	5,10,13,20,21,27/03	51064	2	52/02;1,17/03
37400	10	28,34,38,40,41,44,46/02; 6,10,20,31/03	43345	4	1/03	44182	4	21,48,49/02;1,2,15,18, 27/03	51081	10	5,6,13,15,17,21,22/03
37401	9	28,32,44/02;4,6,13,14,16, 22,31/03	43360	21	28/02;6,10,13,17,20,21, 28,30,32/03	44183	6	48/02;1,6,8,9,10,19,20, 25,27/03	51082	7	5,7,13,15,17,21,22/03
37402	7	28,32,41,42,44,50/02;4, 13,14/03	43363	5	45/02	44184	9	21,45,49/02;2,10,13,20, 22,32/03	51100	7	1,6,7,8,9,14,27/03
37403	23	24/02;10/03	43372	4	22/02	44185	7	45,49/02;1,2,10,27,32/03	51103	10	29*,33,45/02
37420	1	34,43/02;1,7/03	43373	8	45/02;17,20/03	44186	2	21,45,46,48/02;1,2,5,8,9, 10,15,16,25,27,29/03	51104	1	29*,33,45/02
37421	8	14,21/03	43374	1	22/02	44187	2	21/02;5,6,9,13,25,27/03	51120	6	6/03
37423	5	14,21/03	43375	7	46/02;6,7,10,12,16,18, 23/03	44192	1	21,29,46,48/02;1,18, 23/03	51135	1	22/03
37445	1	48/02;1/03	43384	1	48/02;4,5,6,7,10,11,12, 13,15,16,17,18,23,25,26, 27,32/03	44193	1	26/02;1,7,15,18/03	51142	2	6,13,15,22/03
37446	2	1/03	43385	1	27,45,48/02;5,11,13,20, 23,24,26/03	44198	2	21/02;5,6,9,13,25,27/03	51143	4	6/03
37463	6	1/03	44001	2	48,49/02;1,6,7,8,9,11,13, 14,P20,23,26/03	44199	1	21,29,46,48/02;1,18, 23/03	51144	3	52/02;1,15/03
37481	7	47,48/02;6,7,14,30/03	44015	8	28,31,48,49/02;6,7,8,9, 10,11,13,14,24,26/03	44204	1	48,52/02;2,4,5,7,12,13, 27/03	51145	2	42/02;13,22/03
37501	3	46,47/02;7,8,20/03	44030	7	20,46/02;4,8,9,13,19/03	44205	2	48,52/02;2,5,7,12,15,19, 22,26,27,29,31/03	51146	3	42,52/02;5/03
37505	2	46/02;7/03	44036	5	28/02;13,16,17,20,23,28, 30,32/03	44206	1	48/02;4,5,13,16,17,19,24, 28/03	51150	1	50,51/02;1,13,15,22/03
37506	4	45,46,47,51/02;8,20/03	44037	5	16,22/03	44207	1	45,17,19,23,28/03	51154	3	50,51/02;13,15/03
38030	1	20,21/02	44040	23	28,44/02;6,10,13,16,17, 20,22,23,24,28,30,32/03	44208	5	46/02;4,5,13,16,21/03	51155	1	50,51/02;1,15,22/03
38528	4	N20/03	44041	7	48/02;1,9,10,13,16,20,23, 28/03	44221	1	19,21/03	51158	2	6/03
38580	8	18/03	44042	7	21,44,45,49/02;4,7,9,10, 11,17,19,20,25,27,28,29, 32/03	44223	1	6,13,21,24/03	51159	3	47/02
38585	4	18/03	44043	8	44/02;1,6,9,10,11,13, 16/03	44224	1	49/02;5,20,21,24/03	51160	20	48,50,51/02;1,4,5,6,7,14, 15,21,22/03
38603	2	21/02	44044	6	6,10,13,16/03	44225	8	49,50/02;4,7,13,14,15,16, 19,21,25/03	51163	4	4/03
38610	1	20/02	44045	6	22/03	44243	2	25/02;5/03	51164	18	38,45,46,50/02;2,4,8/03
41000	2	15/03	44046	10	22,24/03	44260	2	48,52/02;2,5,7,12,15,19, 22,26,27,29,31/03	51165	8	25,45,50/02;2,4,8,10,14, 16/03
41060	3	34/02	44047	5	16/03	44261	3	N25,N45/02	51166	3	N25,N45/02
42003		N23/03**	44048	1	21,22,23,24,28,30,32/03	44262	6	45,50/02;2,4,8,10,16/03	51167	6	45,50/02;2,4,8,10,16/03
42004	1	N23/03*	44049	1	28/03	44263	2	45,46,50/02;2,4,8/03	51168	2	45,46,50/02;2,4,8/03
42160	3	7/03	44050	7	21,25/02;29,30/03	44264	5	13,16/03	51180	5	13,16/03
42560	5	31/03	44051	1	44,48,50/02;1,11,14,22, 25,26,27/03	44265	1	14/03	51200	4	14/03
42600	5	14,30/03	44052	1	21,25/02;29,30/03	44266	8	33/02;18/03	51220	8	33/02;18/03
42620	5	14/03	44053	8	44/02;1,6,9,10,11,13, 16/03	44267	6	51/02;16/03	51222	6	51/02;16/03
42740	3	34,41/02;6,25,31/03	44054	6	6,10,13,16/03	44268	2	17,18/03	51223	2	17,18/03
42742	3	6,8,30/03	44055	6	22/03	44269	3	27/02	51225	3	27/02
42760	5	8,19,24,25/03	44056	10	22,24/03	44270	2	33/02	51240	2	33/02
42762	3	N25,N30/03	44057	5	21,25/02;29,30/03	44271	4	37,50/02;16,18,28/03	51260	4	37,50/02;16,18,28/03
43000	4	9/03	44058	21	21/02;24,32/03	44272	3	56,13,15,19/03	51261	23	56,13,15,19/03
43015	12	9/03	44059	21	20,27,39/02;31/03	44273	3	49/02;13,17/03	51263	23	49/02;13,17/03
43030	24	25,28/02;2,9,10,11,12,13, 15,17,22,27,28,30,32/03	44060	11	5,12,18,22,25,27,31/03	44282	1	27/02	51300	4	27/02
43058	3	20/03	44061	9	44,46,50/02;8,14,22,24,	44283	2	30/02;8,21/03	51341	23	48/02;6,16/03
43059	3	44/02;20/03	44062	21	20,31,32/03	44284	2	41/02;6/03	51342	3	1/03
43060	4	44/02;27/03	44063	1	44,48,50/02;1,11,14,22, 25,26,27/03	44285	1	2,15/03	51344	2	5,7,16,18/03
43079	2	41/02	44064	19	22,28/03	44286	1	2,27/03	51380	5	47/02
43082	5	41/02	44065	7	20,25,30,42/02;16,17/03	44287	5	20,29,41,42/02;7/03	51500	6	20/03
43101	3	46/02	44066	10	20,27,39/02;31/03	44310	5	20,29,41,42/02;7/03	51540	3	22/03
43102	4	46/02	44067	22	21,25,29/02;16,17,28/03	44313	1	27,41,47/02	51559	3	41/02
43104	4	46/02	44068	11	20,24,26,44/02;10,11, 13/03	44319	2	21,41,42/02;4,6,9,10, P20,26,27,28/03	51600	12	20/03
43106	6	44/02	44069	19	22,28/03	44320	4	23,29/02;6,8,9,15,P20,	51620	10	20/03
43127	5	20/03	44070	7	28/03	44321	6	22,23,29,32,40/02;6,8/03	51621	9	20/03
43140	4	41,48,52/02;12/03	44071	4	29/03	44322	11	20,21,37,40/02;6,8,9,15, 17,P20,26/03	51641	4	32/03
43141	5										

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 32/03**

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.
52048	3	8/03	53130	1	27,42,47/02;10,13,18/03	54280	10	20/02;5,15,22/03	55100	8	29,36,37/02;6,28,29/03
52051	1	43/02	53133	3	41,46/02;16/03	54281	6	20/02	55101	4	7,25,32/03
52052	1	43/02	53135	2	20,51/02;7/03	54282	1	51/02	55102	3	24/02;4,5,15,25,32/03
52054	1	14/03	53141	5	20,24,34,51,52/02	54283	5	20,52/02	55103	2	24,29,48/02;1,4,5,7,15, 19,20,25,26,27,31/03
52055	1	14/03	53147	3	36,39,42,51/02;6,7,10,13, 17,20/03	54284	1	51/02;15/03	55104	2	48/02;4,5,7,14,19,31/03
52060	16	43,50,51/02;7,12,P20,26, 29/03	53149	2	31/02	54288	5	1/03	55105	7	29,36,41,42/02;14,15, 29/03
52061	2	45,48,51/02;7,12,20,P20, 26/03	53160	14	20,51/02;3,6/03	54289	8	1/03	55110	2	23,24,29,37/02;6,29/03
52062	7	7,12,23,29/03	53161	8	51/02;3,8,13,18/03	54300	12	31/02	55120	3	36/02;6,14,28/03
52066	3	50/02;14,16/03	53162	7	50/02*;15/03	54302	1	31/02;21/03	55127	2	10,14,24,27,32/03
52080	14	50,51/02;4,7,10,11,12,14, 20,P20,26/03	53164	9	20,37,51/02	54318	3	1,14/03	55128	2	26,33,36,38/02;1,4,5,8, 14,26,27,28,32/03
52082	3	45,46,48/02;11,12,20, P20,26/03	53165	13	39/02;8/03	54320	4	20,48/02;1,24,25/03			
52083	2	45,46,51/02;1,16/03	53180	10	33,34,43,51/02;1,3,6,7, 13,15,18,20,21,29/03	54321	2	25/03			
52084	2	45/02;4,10,11,12,14, 18/03	53181	4	34/02;1,13,21/03	54322	7	20/02;1/03	55129	7	33,36,37/02;6,15,27/03
52085	3	50,51/02;4,11,16/03	53182	4	36/02;15,16/03	54327	4	20,31/02	55130	2	27,45/02;5,14,19,32/03
52086	2	45,50,51/02;1,4,9,11, 14/03	53183	13	35/02;20/03	54329	4	5/03	55131	1	27,36,45/02;6,19,25/03
52087	1	51/02	53184	5	32,35/02;1,6,13,18,20/03	54332	3	25/03	55133	3	5,14/03
52088	2	45/02;4,10,11,12,14,18, P20,26/03	53200	6	33,36,43/02;5,6,7,15,16, 20,30/03	54333	3	5/03	55139	5	41/02
52089	1	46,51/02;16/03	53201	6	51/02;18,21/03	54335	3	24/03	55140	2	1,5,14,29/03
52120	12	32,51/02;6,11,16,18/03	53202	6	15,17/03	54337	3	31/02	55150	2	24,28,29,37/02;15/03
52121	8	45,46/02;1,6,8,11,16, 23/03	53203	11	5/03	54339	8	31/02;12/03	55160	2	24,28,29,42/02;29/03
52122	14	45/02;11,14/03	53204	10	44/02;5/03	54340	8	48,51/02;3,4,24/03	55161	1	29/02;17/03
52124	1	51/02	53205	3	5,26/03	54341	4	23/03	55170	2	29,31,36,41/02
52125	1	45,46/02;8,11,16,18/03	53206	6	5,25/03	54343	10	48/02;4,5,11,12,13/03	55175	1	24,28/02
52140	6	48,50/02;3,12,18,29/03	53220	6	36,43,51/02;5,16/03	54344	6	48/02;24/03	55180	2	33/02;1,15,29/03
52141	5	48/02	53223	5	29/02	54346	8	11,12,13/03	55190	6	6,20,27/03
52142	2	12,18,23,29/03	53226	3	3*,17,18/03	54347	4	51/02	55200	2	27/02;8,10,20,25,26,27, 28,32/03
52143	8	18/03	53227	12	52/02;1,13/03	54350	4	51/02			
52144	5	50/02;3,7,8,10,14,16,18, 21,23/03	53242	2	1/03	54351	7	52/02;26/03	56031	1	1,2,17,21/03
52161	14	6,11,14/03	53244	7	22,42/02;21/03	54352	3	52/02;1,3/03	56041	4	21/03
52164	2	14/03	53263	1	37/02;17/03	54360	12	20,52/02;20,21/03	56042	6	22/02
52170	3	14,16/03	53264	5	17/03	54362	3	52/02	56043	6	22/02
52172	2	40/02;1/03	53265	6	35,41,46,52/02;15,16/03	54363	3	20/02;21/03	56044	3	22,38/02
52180	14	21,24,42,43,51/02;1,8,10, 13,15,16/03	53266	4	1,8,13,17/03	54364	2	52/02	56063	9	27/03*
52200	8	7,17/03	53268	4	22,42/02;7/03	54365	6	36/02;11,21/03	56064	1	21/02;16/03
52220	7	27/03	53269	5	17/03	54366	4	20/02;20,21/03	56065	3	33,38/02;16/03
52221	7	27/03	53279	3	7,15/03	54372	2	20/02	56067	3	48/02*;20/03
52223	4	27/03	53281	4	31,40,52/02;15,18/03	54380	6	26,42/02;3,16,18,28/03	56081	19	41/02
52240	9	27/03	53282	8	40/02	54382	9	26/02;16,28/03	56082	16	29/03
53011	2	51/02	53283	4	33,52/02	54386	10	42/02;16,18/03	56083	2	31/02
53031	1	21,22,27,28,30,39,48/02; 5,12,14,24,31/03	53284	4	33,40/02;7,21,24/03	54387	7	23,42/02;16,18,30/03	56100	13	41,49,50/02;1/03
53058	2	4/03	53285	4	35/02;7,15/03	54389	8	43,52/02	56101	6	33/02;1/03
53060	14	21,22,27,28,30,32,51/02; 4,5,9,10,12,14,31/03	53287	6	20,27,35,42/02;1,5,7,8, 10,15,22/03	54400	8	20,32,43/02;3,16,22, 30/03	56103	6	30/02;1/03
53061	10	28,30,44,47/02;12,16, 17/03	53290	1	35/02	54402	4	52/02	56104	3	22/03*
53062	13	1,14,16/03	53301	4	27/02;22/03	54403	4	22,43,52/02;24,30/03	56120	12	1/03
53063	8	28,44,47/02;4/03	53302	4	51/02	54407	4	32,43/02;3,7,16,30/03	56195	3	22/02*
53064	6	33/02;10,20/03	53303	6	49,51/02	54409	2	23,32/02;7,8,12/03	57029	9	12/03
53065	2	33/02	53306	2	21,39/02;31/03	54413	3	31/02	57035	10	10,12,23/03
53066	2	33/02;20/03	53311	3	39/02	54417	1	30/03*	57063	5	40,41/02
53081	8	21,30/02;4,5,11,16/03	53400	3	37/02;6,10,20/03	54418	4	32,43/02;3,7,16,30/03	57064	3	41/02
53082	13	40/02	53401	7	35/02;4,8,16,17,24/03	54419	2	3/03	57101	18	41/02
53083	8	9,10,21,22/03	53403	2	29/02;17/03	54421	6	28,47/02	57103	2	16/03
53084	6	24,51/02;14,16/03	53405	3	46/02*;8,13,17,19/03	54423	5	48/02*;17/03	57120	13	43/02
53085	6	24,51/02;14,16/03	53406	5	37/02;16/03	54430	1	26,28,37,43/02	57140	10	43/02
53086	8	20,46,48/02;17/03	53407	11	52/02	54440	4	30,41/02;17/03	57141	14	43/02
53087	9	48/02;17/03	53408	3	1,13/03	54441	4	22,43,52/02;24,30/03	57142	6	43/02
53088	7	33/02	53409	3	10/03	54446	5	17/03	57160	10	43/02
53089	4	21,22,23/03	53410	2	40/02;15,24/03	54462	5	17/03	57161	4	31/02
53090	1	41/02	53411	7	10,20,21/03	54464	5	17/03	57162	7	43/02
53093	2	20/02	53415	1	3/03	54480	8	22,30,36,41/02;2,17, 21/03	57164	2	43/02
53100	16	21,24,28,33,39,42,51/02; 6,10,13,18,20,21,24, 31/03	53416	12	21,22,27,38,41/02;15,17,30/03	54481	8	22,30,36,42/02	57165	1	43/02
53101	7	33/02;8,13,16,24/03	53417	7	41,43,50/02;5,30/03	55001	4	29,36,37,42/02;14,15,28, 29/03	57170	1	43/02
53104	2	20,35,42/02;20,24/03	534195	2	5/03	55040	4	23,27,28,31,32,39,41/02;	57200	6	11/03
53105	20	37/02;8/03	54200	4	21/02;5,8/03	55041	7	22,32/02;21/03	57220	4	11/03
53106	6	20,24/02;21/03	54201	6	21/02;8/03	55042	1	21,27,28,42/02;17/03	57241	12	31/03
53107	16	35/02;6/03	54222	4	21,43/02;20/03	55043	2	21,23,27,28,37,39,42/02	57260	3	23/03
53110	1	29,40/02;10,15,17/03	54223	2	21/02;8/03	55044	5	22,23,41,43/02;16/03	57261	2	23/03
53111	3	31,44/02*	54224	2	21/02;8/03	55045	2	21,23,41/02	57262	4	23/03
53120	14	20,21,27,28,39,42/02;5,6, 7,13,17,31/03	54225	2	21/02	55046	4	21,22,23,26,27,30,31,37, 38,39,41,48/02;18,19/03	57381	12	52/02;15,16,23/03
53122	3	20,29,40/02;7,8,16/03	54226	2	50/02	55047	8	22,23,26,27,27/02	57400	4	12/03
53123	3	7,29/03	54227	5	50/02	55048	12	23,27,32,36,37,39,41,	57408	12	24/03
53125	2	24,65,1/02;13/03	54229	4	50/02*;2,15/03	55049	6	22,27,30,41,43/02	57420	3	12/03
53101	7	33/02;8,13,16,24/03	54180	6	41,43,50/02;5,30/03	55050	7	20,36,37/02;28/03	57460	4	10,12,29/03
53104	2	20,35,42/02;20,24/03	54195	2	5/03	55051	7	23,27,32,36,37,39,41,	57471	3	12,15/03
53105	20	37/02;8/03	54200	4	21/02;5,8/03	55052	48/02;20/03	57472	2	12/03	
53106	6	20,24/02;21/03	54201	6	21/02;8/03	55053	5	28/03	57480	8	12,15,23,27/03
53107	16	35/02;6/03	54222	4	21,43/02;20/03	55054	6	22,27,30,41,43/02	57482	12	24/03
53110	1	29,40/02;10,15,17/03	54223	2	21/02;8/03	55055	6	22,27,30,37,39,41,	57483	11	24/03
53111	3	31,44/02*	54224	2	21/02;8/03	55056	1	28/03	57484	19	15,23,24,27/03
53120	14	20,21,27,28,39,42/02;5,6, 7,13,17,31/03	54225	2	50/02	55057	5	28/03	57488	6	24/03
53122	3	20,29,40/02;7,8,16/03	54226	5	50/02	55058	9	5,25,32/03	61000	20	10,15,23,27,31/03
53123	3	7,29/03	54227	2	13/03	55059	7	39/02	61018	4	24/02
53125	2	24,65,1/02;13/03	54229	4	50/02*;2,15/03	55060	9	5,31/03	61020	2	28/02;27/03
53126	3	7,29/03	54266	2	13/03	55061	7	39/02	61036	8	27/02;7/03
53127	2	24,65,1/02;13/03	54279	4	50/02*;2,15/03	55062	9	10,31/03	61040	6	10,31/03

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 32/03

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.
61050	4	10,15,31/03	62350	3	10/03	63091	4	26,27,32,39,48,52/02; 9/03	71262	7	6/03
61051	7	15,24/03	62355	6	8,29/03	63100	2	44/02;30/03	71265	3	46*,49/02;7,13,15,16, 20/03
61060	5	12,27/03	62360	5	38/02;12/03	63101	15	15,30/03	71271	10	23,25,30,34,52/02;19/03
61061	9	10,12,15,24/03	62361	2	N38/02;N12/03	63102	19	26/02;15,30/03	71272	10	23,30,34/02;19/03
61070	4	9/03	62366	3	38,40/02;2/03	63103	17	26,29/02;15,16/03	71275	3	23,35/02;2,6,16,19/03
61071	9	18/03	62393	7	34,37,50/02	63110	4	40/02;16/03	71281	7	51/02
61080	4	9/03	62394	10	34,37,50/02	63111	9	25,48/02;9/03	71285	3	23,25,30,34,52/02;13, 19/03
61090	5	12,27/03	62395	3	25/03*	63120	2	44,48,52/02;8/03	71295	2	25,26,30,34,39,40,52/02; 12,19/03
61091	5	12,18,24,27/03	62400	17	23,24,33/02;4,9,31/03	63121	5	48/02;5,8/03			
61092	13	18,27/03	62401	9	6,10/03	63150	1	25,31/02			
61100	4	10,12/03	62402	10	10/03*	63200	5	52/02;30/03	71305	2	31,34,36/02;2,13,23/03
61110	3	28/02;25/03	62404	3	6/03	63201	9	40/02;30/03	71311	4	7/03
61111	12	25,27/03	62406	2	24,33/02;28/03	63205	2	30/03	71313	8	45/02
61120	4	28/02	62408	7	10/03	63210	3	45,52/02;16,30/03	71314	5	6,10/03
61130	3	28/02	62409	6	7/03	63220	5	26,45,52/02	71315	2	27,31,34/02
61140	5	27/02	62411	1	52/02	63230	6	45/02	71320	1	35/02;5,14/03
61141	6	38/02	62413	12	28/03*	63231	8	31,45/02	71325	8	5/03
61142	6	38/02;7/03	62417	1	52/02	63232	3	45/02	71330	13	35/02;5/03
61170	5	27/02	62419	6	33/02;8/03	63233	15	31/02	71331	11	5,7,8/03
61180	4	20,27/02	62420	5	33,37,39/02;8/03	63240	4	19/03	71333	2	6,7/03
61190	4	39,41/02	62429	9	27,39,43/02	63250	6	29,40/02;11/03	71335	2	8/03
61200	7	21/02	62431	8	26*,27,37/02	63271	8	52/02;8/03	71340	11	22,40,46/02;2,4,5,6,7/03
61204	5	13/03	62432	16	13*,30/03	63290	7	31,32,38/02;10,22/03	71343	3	7/03
61300	2	7/03	62433	12	30,31,34,45/02;1/03	63291	9	33/02;16/03	71348	3	35/02;7,23/03
61310	2	33/02;7/03	62434	9	40,46,52/02;8,12,17,18,	63310	5	11/03	71349	2	23/03
61311	5	33/02			21,23/03	63320	8	30/02	71350	8	20/02;5,6,7,14/03
61312	3	33/02	62437	10	30*,32/03	63321	6	30,42/02;9/03	71400	5	14,23/03
61331	4	7/03	62439	4	1/03	63322	2	30/02;9/03	71401	1	40,46,51/02;5/03
61400	2	27/02;7/03	62440	8	16/03*	63330	9	27,39/02;4/03	71402	1	40,46/02;4,5,6/03
61410	2	7/03	62441	10	36/02	63337	15	27,31,39/02;4/03	71410	1	39/02;12,23/03
61430	2	7/03	62442	6	24/03	63370	1	20/03	71420	1	38,39/02;3,12,14,23/03
61433	1	7/03	62448	2	23/02	63400	1	39/02;8,11/03	71430	3	11*,20,23/03
61434	2	7/03	62451	7	21,23/02	63410	6	39/02;8,9/03	71440	2	11*,23/03
61450	2	27/02	62453	4	16/03*	63413	5	39/02	71445	1	7/03
61472	1	20/02	62455	7	27,39,43/02	63417	2	39/02	71450	1	22,25/02;7/03
61540	2	20/02	62456	1	27/02	63420	2	39,45/02;8/03	71455	2	11*,23/03
61560	2	7/03	62457	6	11/03*	63424	2	45/02	71460	1	20,25,41/02;23/03
61562	2	6/03	62459	2	6/03	71005	1	34/02;2,6,12,13,16,23/03	71465	1	20/02
61581	5	28/03	62460	4	24,31,33/02;10/03	71006	5	39/02;23/03	71470	2	38/02;14/03
61582	4	28/03	62464	2	31,49,50/02;4/03	71009	3	39,46,48/02;1,6,7/03	72000	8	31,32,35,47,50/02;2,20, 21,23,24,27/03
61591	4	28/03	62480	2	16*,18,32/03	71012	3	33,39,46/02;1/03	72007	10	30,36,38,47,51/02;2,5,7, 11,27/03
61610	7	28,29/02	62490	2	16*,17,18,21,32/03	71015	4	23/03	72014	10	46/02;7,19/03
61611	11	28/02	62498	4	23,25,27,31/02;4,9,31/03	71018	10	33,35,37/02;7,12,13,15, 21,25,26,27/03	72021	8	31,36,38,47,50,51/02;7, 20,23,27/03
61612	4	28/02	62499	4	25,27,31,49,50/02;4,9,	71027	9	20,22,24,25,34,38,45, 49/02;2,4,5,14,18,23/03	72028	7	31,34/02;22/03
61650	3	12/03			31/03	71033	31	23,37,38,49/02;3,12,14, 15,23/03	72035	8	31/02;8,21,27/03
62000	20	46/02	62510	3	11*,12/03	71036	8	35,44/02;12,14,23,26/03	72045	2	8,27/03
62001	5	11*,28/03	62512	3	N11*,N12/03	71040	5	27,34,42/02;7/03	72050	4	23/03
62024	13	38,40/02;29/03	62515	2	26,45/02	71042	1	34/02	72060	8	32,50/02
62028	15	10/03	62520	6	20*,28,32/03	71043	2	25/02*	72070	4	32/02;2,9/03
62032	16	11*,17,21/03	62521	4	N20*,N28,N32/03	71044	1	27/02	72075	2	20/02;9/03
62033	3	N11*,N17,N21/03	62530	6	20*,28,32/03	71045	2	23/03	72080	7	20,51/02;2,9,9/03
62046	3	19/03*	62531	4	N20*,N28,N32/03	71058	2	23,36/02	72085	3	15/03*
62050	6	44/02	62540	6	21,23,25,26,29,31,32,34,	71059	1	23,36/02	72094	2	29,38/02;7/03
62092	7	41/02			40,45,48,50/02;8,12,17,	71061	15	23,36/02	72100	7	29/02;7,19/03
62093	7	41,49/02			17,18,21,30/03	71066	1	39/02;6,7,10,24/03	72103	2	29/02;4,6,7,19/03
62095	3	11*,32/03	62541	3	N21,N23,N25,N26,N29,	71081	3	21/03	72105	2	36,38/02;7,11,19/03
62100	6	P23,26/03			N31,N32,N34,N40,N45,	71091	4	1,2/03	72107	2	27,29/02;7,19/03
62110	9	P23,26/03			N48,N50,N52/02;N8,N12,N17,	71140	6	33,39,46/02;1/03	72109	3	42,44/02
62140	1	34,40/02			N18,N21,N18,N21,	71150	1	23,36/02	72130	4	46/02
62142	10	24,28/02;32/03	62550	3	16*,28,32/03	71183	13	32/02	72131	3	11/03
62143	3	24,28/02;32/03	62560	4	16*,18/03	71185	24	7,13,15/03	72161	10	10/03
62144	3	24/02	62570	4	21,23,25,26,31,32,33,34,	71186	2	7/03	72181	2	36/02;7,11/03
62170	2	38/02			36,40,45,48/02;8,12,17,	71210	18	44/02;3,23,27/03	72190	2	30/02;10/03
62171	4	38,47/02			17,30/03	71211	4	38/02	72201	8	8/03
62191	15	11*,15,28/03			71212	1	38/02	72211	6	43/02;5,8/03	
62194	8	31,36/02;4/03	63000	13	27,28,48/02	71230	11	23,38/02;6/03	72223	8	27/03
62195	7	19/03*	63005	18	25,31/02;16/03	71241	10	6,12,16,20/03	72231	8	31/02;21/03
62220	9	21/03*	63010	14	26,29,31,52/02	71243	5	15/03*	72236	1	9,12/03
62222	5	19/03*	63015	11	31,38,40,52/02;9/03	71247	18	20,21/02;5,6,8,14,17,21, 22/03	73000	9	26,40,52/02;10,20,21/03
62225	3	37/02;17/03	63020	15	27,31/02;4,9,11/03	71248	2	N51/02*,N10/03	73002	4	24,30/02;5,11/03
62241	10	9/03	63040	2	46/02	71249	2	35/02	73004	4	26/02;10/03
62242	11	47/02;9/03	63050	2	46/02	71251	11	20,35,40,42/02;1,15,21/03	73006	2	26/02
62250	4	34,38/02;32/03	63054	3	31/02	71253	10	21,35,40,42/02;5,6,7,13,	73008	8	11,13,23/03
62270	4	37,41/02;29,32/03	63055	2	29/02				73012	6	11/03*
62271	5	37,41/02;10/03	63060	7	25,28,32/02	71255	6	28/03*	73014	10	48,52/02
62285	2	26/02	63062	7	28,29/02;7,16,18/03	71257	2	21,23,28/02;5,6,7,12,13,	73016	4	44/02
62290	3	26,37,41/02;10,21,P23,	63063	9	27,29/02;20/03				73020	9	25/02;9,21,22/03
62292	2	24/02	63067	3	20,27,28,29/02;16/03	71258	2	20,21,28,35/02;5,6,7,13,	73024	3	39/02
62295	3	21,P23,26/03	63070	3	20,27,28,29/02;16/03				73030	4	20/02;22/03
62302	2	4/03	63074	5	26,27,28,31,48/02	71259	3	15*,17,19/03	73032	4	25/02;9,22/03
62310	2	27/02;29/03	63078	8	25,31/02;15,30/03	71261	8	35/02;2,16/03	73041	2	5/03
62313	4	27/02							73191	3	7/03
62320	2	38,40/02									
62340	3	38/02									
62343	3	8/03	</								

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 20/02 THROUGH NM 32/03**

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.
73271	7	21/02;13/03	74270	3	26,31,38,02;7/03	75142	5	21,28,36,42,50/02	82374	9	22/02
73552	4	25,34,45/02;1,7,9,10/03	74271	9	28,38,46/02;19,26,27,29, 30/03	75143	4	20,28,32,33,36,38,42, 50/02	82377	2	22/02
73570	7	34,45/02;1,10/03	74272	7	26,32/02;4,19,29,30/03	75144	3	20,31,33,36,42,51/02;4,	82646	2	33/02
73580	4	52/02	74273	5	31,38,41,43/02;7,19, 27/03	75145	5	10,18,25,30/03	82649	5	20,33/02
73581	4	52/02;3/03	74281	7	3,30/03	75150	5	50/02;16,19,26/03	82683	4	33/02;17/03
73590	6	31,47,52/02	74283	2	46,49/02;27/03	75160	6	22,23,24/02;17,18,19,25, 32/03	82684	3	33,38/02;7/03
73601	3	24,26,31,34,35,47/02	74285	2	31,34,35,45/02;1,9,16/03	75170	12	38,39/02;8,25/03	82689	3	38/02;17/03
73610	4	26,31/02	74286	2	22,24/02;29/03	75171	22	22,27,31,32,33,36,38,40, 42,48,52/02;1,6,16,26/03	82690	10	20/02
73631	4	36,46/02;1,17/03	74287	2	27,34,38,52/02;9/03	75172	5	39/02	82694	6	38/02;17/03
73640	5	23,36/02;16/03	74289	5	26/02;9/03	75173	9	20,25,31,32,33,36/02;1,6, 26/03	82697	6	38,46/02
74000	6	24,36,47/02;2,7,18/03	74290	11	25,34,39,45,46,48,49, 51/02;1,7,9,10,16,27, 31/03	75175	9	31,33,38,40,45,50/02;6, 18/03	83010	6	6/03
74002	2	25,27,28,35,47/02;31/03	74292	8	27,34,38/02;9,27/03	75176	9	27,42,50/02;25,26,32/03	83020	8	24/03
74003	5	22,25,28,47/02;7,10, 21/03	74293	7	25,34,45,48/02;9,16/03	75177	7	27,38,48,50,52/02;6, 26/03	83021	1	25,27,43/02
74004	2	35,37,39,47/02;9,30/03	74294	3	25,34,45/02	75178	2	8,25/03	83023	4	25,27,43/02
74005	2	31,34,35,46,47,51/02;4,7, 9,16,27,30/03	74295	3	22,02;4,9,27,29/03	75185	2	22,47/02;8/03	83025	1	12/03
74006	2	26,31/02	74296	4	27,34,38,49/02;9,27/03	75190	2	23,47/02;25/03	83026	32	41/02;6/03
74007	1	36/02	74320	3	35/02;8,18/03	75191	6	22,25,37,38,43,47/02;8, 19/03	83039	11	41/02;6/03
74008	6	51/02	74340	3	27/02;16/03	75193	6	22,49/02;1,5,7,10,16, 19/03	83251	2	2,12/03
74009	10	20,22,25,38,49/02;8,9, 21/03	74350	4	25/02;16/03	75197	7	27,38,48,50,52/02;6, 26/03	83252	8	2,12/03
74012	10	20,22,26,37,40,49/02;6,8, 19,20,27/03	74376	5	43/02;9,16/03	75198	2	8,25/03	83253	2	12/03
74015	10	20,40/02;21,31/03	74380	4	22,32/02;8,9,26/03	75207	2	36,52/02;4,16/03	83382	9	20,25,27/02
74016	3	27/03	74391	3	26/03	75208	2	26,50/02;30/03	83383	2	20,25,27/02
74017	4	37,45/02;18,31/03	74392	7	22,25,29/02;25/03	75213	2	36,52/02	83385	19	20,27/02
74018	6	44/02	74393	9	25,28,31,38,41,50/02; 3/03	75215	2	36,39,40,52/02;7/03	83392	5	31/02
74020	4	33,37,38,43/02;5,18, 31/03	74394	2	28,31,41,49,50/02;3/03	75220	12	36,39,49/02;4,20,26/03	83393	2	N31/02
74021	7	20,33,35,39,44/02;7,10, 26,31/03	74410	3	20,25,38/02;7/03	75222	8	22,35,40/02	83397	6	1/03
74024	7	31,44/02	74415	1	39/02	75240	4	36,39/02;2,4,27/03	83425	6	20,35/02
74027	9	43,44/02	74420	3	45/02;19,27,30/03	75241	6	34,36/02;26/03	83484	10	23/03
74030	6	28,51/02	74430	2	49/02	75251	5	23,33,48/02;3,19/03	83570	2	24/02
74053	2	28,51/02	74440	3	32,39/02;2/03	75256	6	21,23,24,33,36,38,40/02;3,6, 26,31/03	83572	1	24/02
74054	2	28/02	74450	3	21,22,26,49/02;2/03	75262	6	38/02;16/03	83574	2	7/03
74151	9	20,24,27,36,44/02;2,20, 29/03	74455	3	21,23,48/02;1,4/03	75263	9	32/02;5,26,31/03	83580	2	24/02;8/03
74152	11	36,44/02;27,30/03	74460	4	21,22,26,37,40,46,49/02; 6,20/03	75264	17	33,34,37,41,42,44,45/02; 2,27,32/03	91008	1	29,44,48/02;8,10,12/03
74153	2	36,44/02;2,27/03	74470	2	8/03	75265	2	20,21,24/02;6,20,31, 32/03	91010	6	29,48/02;10,12/03
74162	4	36,46,47/02;8/03	74475	2	44/02	76015	1	23,24,29,35,40/02;28/03	91020	5	21,22/02;19/03
74171	4	33,36,47/02;3,10,18, 20/03	74480	2	44/02	76030	9	24,49/02	91025	8	21,22/02
74172	5	36,47/02;7,10,18/03	74485	3	43/02	76050	8	24,49/02;18,28/03	91030	3	21/02
74181	8	23,28,33,35,37,38,39, 47/02;10/03	74493	2	41/02;8,9,16/03	76052	8	21/02;4,5,28/03	91080	4	21/02
74182	12	23,24,25,26,28,33,35,37, 38,39,41,42,44,51/02;6, 10,17,25/03	74510	2	33,35,37/02;5,10,17, 18/03	76054	5	49/02	91096	1	21/02
74183	11	38,39,42/02;4,6,17,25/03	74515	4	20,28,33,35,39/02;4,7,10, 31/03	76056	3	9/03	91170	2	38,41,44/02
74184	10	23,24,28,33,35,37,38,46, 48/02;17/03	74517	3	20,21,39,41/02;4,31/03	76061	3	40/02;9/03	91280	7	22/02;19/03
74186	7	34/02;4,10,17,21,27, 30/03	74521	3	28,41/02	76070	9	23,35/02;28/03	91286	10	20/02
74190	7	22,23,26,35,36,37,46/02; 1,16,31/03	74527	2	28/02	76071	9	23,35/02;28/03	91289	19	20/02
74191	2	22,24,26,35,46,48/02;1,7, 9,29/03	74530	2	28,44/02	76080	8	1,18/03	91294	8	19/03
74192	3	24,26,28,35,46/02;1/03	74535	2	31,42,44,48/02	76081	7	28/03	91297	9	19/03
74200	8	21,27,28,37,46/02;1,8, 32/03	74545	3	28,40/02;18,32/03	76083	3	1/03	91300	3	21,22/02
74201	9	27/02;32/03	74550	4	5,32/03	76110	5	23/02	91311	3	21/02
74202	3	21,24/02;1,7,27/03	74555	3	34,43,44,48,51/02;5/03	76120	6	22,23,25/02	91340	3	21/02
74204	5	21,24,27,37/02;1,7,8, 32/03	74560	10	23,28,32,40,43,46,48, 50/02;4,5,18,31,32/03	76140	7	46/02	92006	5	45,46/02;5/03
74205	2	24,25/02;27,32/03	74561	2	5/03	76142	1	46/02	92025	3	21/02
74206	2	24,34/02;27,32/03	74581	9	20,26,32,34,36,40,41,43, 45/02;27,31/03	76144	1	28/03	92030	4	21/02
74210	7	25/02;7,17/03	74582	9	26,28,40/02;17,20,27, 31/03	76146	1	28/03	92033	5	45/02
74221	2	35,51/02;30/03	74583	15	26,32,34,40,43,44,48/02;	76147	1	28/03	92060	3	21/02
74229	2	22,23,33,37,43,47/02;18, 26/03	75000	6	47/02;6,31/03	76150	6	35/02	92061	3	21/02
74230	7	28,39,42/02;5,7,03	75001	3	23,47/02;5,6,31,32/03	76151	7	22/02	92116	3	23/02*
74231	7	23,35/02;3,21/03	75010	7	41,42,50/02	76160	10	40/02	92216	3	23/02*
74232	9	5,7,21/03	75025	9	22,23,36,39/02;2,4,8,25, 27/03	76161	1	40/02	92290	2	19/03
74234	1	8,17/03	75035	18	21,24,36,39/02;2,6,26, 27/03	76162	1	18,28/03	92296	3	19/03
74240	8	34,39,42/02;4,5,7,8,9/03	75051	6	5/03	76170	7	29/02;28/03	92450	3	21/02
74251	8	23,25,26,31,32,34,37,42, 44,46,51/02;6,9,17,21/03	75110	2	50/02	81048	8	28/03	92470	3	21/02
74252	9	47/02;5,7,9/03	75110	2	42/02	81054	13	14*,27,28/03	92560	4	45/02
74253	6	23,25,27,32,47/02;8,9,16, 20,21,30/03	75130	16	21,27,31,34,41,50,51/02;	81067	5	51/02;10,12,16,25/03	93006	2	21,39,45/02;4,8,10/03
74261	9	25,41,49/02;4,10,30/03	75131	7	20,28/02;17/03	81076	9	51/02;10,12,16,27/03	93010	6	22,27,38,40,41/02;2,13, 14,18,24/03
74265	2	25,31,38,41,43,47,49/02; 7,9,16,21,30/03	75132	11	31/02;17,19,25,29,32/03	81092	3	38*,50/02;32/03	93018	8	27/02;1,14,18,24/03
74266	2	25,31,38,41,43,47,49/02;	75134	3	23,27,33,51/02;5,19, 29/03	81711	6	23/02;31/03	93020	2	24,38/02;4,13/03
74267	1	8,17/03				81715	4	23/02;31/03	93025	5	45/02
74268	8	34,39,42/02;4,5,7,8,9/03				82005	5	17/03	93030	6	45/02
74269	8	23,25,26,31,32,34,37,42, 44,46,51/02;6,9,17,21/03				82010	6	17/03	93032	3	45/02;24/03
74270	9	47/02;5,7,9/03				82015	13	22/02	93043	1	45/02
74271	6	23,25,27,32,47/02;8,9,16, 20,21,30/03				82020	7	22/02	93046	1	45/02;5/03
74272	7	20,28/02;17/03				82210	2	17/03	93047	2	45,49/02;24/03
74273	7	20,28/02;17/03				82210	2	42,48/02	93048	1	35,49/02;5,14/03
74274	1	8,17/03				82220	2	17/03	93049	1	45/02;4/03
74275	8	34,39,42/02;4,5,7,8,9/03				82220	2	17/0			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 32/03

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.
93245	6	16,24/03	94260	5	49/02;1,6,11,31/03	95153	2	22,34,36,37,38,43/02;19,25,32/03	96943	15	44/02;1,9,10,12,20,22,23/03
93247	4	26/02	94280	5	51/02;15,32/03	95160	13	27,41,42,47,52/02;1,6,8,9,11,17,19,21,24,25,27/03	96944	6	45,52/02;6,13,20/03
93260	8	27,31/02;7,18/03	94281	6	6/03	95161	16	27,31,40,45,48,50/02;1,5,6,8,9,10,17,19,23,25,27,30/03	96945	3	43,52/02;20,22,23/03
93261	5	31/02;7/03	94282	9	46/02;8/03	95162	2	20,40,44,47/02;10,14,19,30/03	96947	15	6,12,13/03
93280	4	18/03	94283	7	46/02;2,8,12,32/03	95163	2	27/02;1,6,9,10,13,14,17,21/03	96948	8	21,22/03
93360	5	38/02	94290	2	1,7,31/03	95164	4	43,48/02;1,6,9,27/03	96949	21	45/02;22/03
93520	13	45/02;15/03	94322	14	8/03	95167	10	44/02;1,6,9,11,14,17,21/03	96960	3	7/03
93610	3	44,45/02;6/03	94360	6	32,43/02;6,13/03	95169	2	44,50,52/02;11,16,23/03	96962	4	30,35/02;1,9,22/03
93650	2	44/02;6,24,28/03	94361	13	32/02;13,15/03	95170	11	27,40,42,44,49/02;1,6,9,10,21,23/03	97000	3	17/03
93652	2	3,6,24/03	94363	4	32,43/02;16,18,29/03	95171	1	1,6,9,21/03	97026	10	23/02
93680	3	45,47/02;24/03	94380	4	N5,N6,N18/03	95172	1	1,9,21,32/03	97040	5	43,47/02
93690	2	44/02;6/03	94384	3	5/03	95173	1	50,52/02;1,28/03	97041	9	45,47/02;10,12,22/03
93698	3	45/02;28/03	94420	3	39/02;4,8,11,13,14,23/03	95174	1	50,52/02;12,27/03	97042	7	14,20/03
93710	3	26/02;6,15/03	94421	10	45/02;4/03	95176	2	20,31/02;8,11,30/03	97043	2	23/02;14,20/03
93720	10	39,45,50/02;8,15,17,20,24,28/03	94423	12	45/02;11/03	95177	1	41,50/02;9/03	97060	8	46/02;12,14,22,26/03
93721	5	20,22,26,32,39,42,45,50/02;4,5,11,17,20,23,25/03	94427	2	N32/02	95178	11	27,40,42,44,49/02;1,6,9,10,21,23/03	97061	3	52/02
93725	6	20,45/02;24/03	94440	2	46/02;18/03	95179	1	1,9,21,32/03	97062	12	27,44/02;6,10,22,26/03
93726	4	26,48/02;8,12,17/03	95016	8	40/02	95180	11	10,21,23/03	97064	2	6,14/03
93730	3	21,39,40,42,45,47,50/02;2,4,17,24,28,31/03	95040	8	40/02;11/03	95181	2	20,31,40,44,49/02;10/03	97080	5	16,22,26/03
93733	13	21,22,26,32,39,45/02;4,19,20,25/03	95041	7	23/03	95182	13	40,43,44,47,48,52/02;1,6,11,14,17,19,21,23,29,31/03	97082	5	24,46/02;16/03
93734	11	22,26,32,45/02;4,19,20,25/03	95060	13	40,43,44,47,48,52/02;1,6,11,14,17,19,21,23,29,31/03	95183	11	27,40,42,44,49/02;1,6,9,10,21,23/03	97083	3	24/02;29/03
93736	22	22,26,32,41/02;4,20,25/03	95065	5	48/02;10,31/03	95184	2	20,31,40,44,49/02;10/03	97100	4	20,28,42,47/02;16,17,26/03
93778	8	47/02;7/03	95066	11	20,41,43,44,47,48,49,50/02;1,6,17,19,21,23,25,27,31/03	95185	6	23/03	97101	1	28/02;21,25,26/03
94004	6	29,30,33,37,44,52/02;8,9,10,12,17,18/03	95080	13	25,27,30,33,40,44,45,50,52/02;1,6,7,9,10,14,17,19,21,24,25,27,28,30,31,32/03	95186	1	41,42,45,47/02;12,14,17,25,28/03	97104	4	20/02;7/03
94016	2	23,33,35,52/02;3,9,10,14,17,21/03	95086	5	45,52/02;1,6,8,11,12,23,27,31/03	95187	9	21,25,27,30,33,44,46/02;1,4,7,11,17,25,27,28,30/03	97105	3	20/02
94028	7	23,25,40,42,52/02;1,6,7,8,9,11,14,17,21,24,27,31/03	95087	9	21,25,27,30,33,44,46/02;1,4,7,11,17,25,27,28,30/03	95188	4	23,26/03	97108	3	21,25,26/03
94033	5	19,21,23,29/03	95088	8	21,25,33/02;1,4,19,28/03	95189	4	44,48/02;9,10,12,13,20,26/03	97120	6	22,28,31,37,40,42,43/02;9,14,16,17,25/03
94040	13	30,37,47,51/02;6,8,10,17,18,28,31/03	95089	7	50,52/02;8,12,17/03	95190	17	22,33,37,39,43,45/02;7,9,14,16,25/03			
94042	9	47,51/02;7,18,24/03	95090	4	45,52/02;1,6,11,12,27/03	95191	5	21,40,46/02;8,13,20/03			
94060	10	27,29,30,33,37,44,47/02;7,8,10,12,14,15,18,24,31/03	95091	5	45,52/02;1,6,8,11,12,23,27,31/03	95192	11	21,31,43,45/02;9,13,20,25,26/03			
94061	5	33,35,47/02;23/03	95092	9	21,25,33,40,48/02;1,8,30,31/03	95193	14	44*,46/02;7,8,9,13,20/03			
94063	4	29,33,41/02;8,18/03	95100	12	38,39,43,44,45,46,47,50,52/02;1,4,6,7,8,9,10,17,23,25,27,28,31/03	95194	1	22,43/02;8,9,25/03			
94067	10	33/02;10,11/03	95101	8	39,44,50/02;1,5,6,9,14,17,28,31/03	95195	10	44/02*;15/03			
94080	7	27,29,30,33,44,48/02;10,19,22,32/03	95102	8	38,42,45,46,47,48,49,50/02;1,4,5,8,13,14,17,23,25,27/03	95196	9	21*,23,45/02;9,27/03			
94082	8	25,27,30,44/02;8,19,22/03	95103	8	42,43,45,47,52/02;4,6,7,10,12,19,27,28,31/03	95197	20	25,34,35,44,45/02;1,16,25/03			
94083	12	25,44/02	95104	8	38,42,45,46,47,48,49,50/02;1,4,5,8,13,14,17,23,25,27/03	95198	13	34,39,43,44/02;20,27/03			
94084	1	23,25/02	95105	8	42,43,45,47,52/02;4,6,7,10,12,19,27,28,31/03	95199	16	31,35,44,45/02;12,13,14,16,20,25/03			
94120	6	21,33,38,48,52/02;9,10,17,18,21/03	95106	12	38,39,43,44,45,46,47,50,52/02;1,4,6,7,8,9,10,17,23,25,27,28,31/03	95200	8	37/02;20/03			
94122	7	30,40/02	95107	3	21,25,33,40,48/02;1,8,30,31/03	95201	7	31/02;16,20/03			
94123	9	21,33,38,42,44,52/02;9,10,15,17,18,28/03	95108	8	42,43,45,47,52/02;1,4,14,21,26/03	95202	2	36/02			
94124	13	38,42,44/02;10,15,17,25,28/03	95109	8	42,43,45,47,52/02;4,6,7,10,12,19,27,28,31/03	95203	14	20,31,35,36,37,39,40,48/02;12,13,18,20,28/03			
94127	2	21,33,38/02;6,9,13,16,18/03	95110	15	22,38,40,41,44,48,49,50/02;1,5,7,8,9,10,17,21,24,25,27,29,31/03	95204	6	21,37/02;1,14/03			
94160	7	26,27,33,38,44,46,47,50,51,52/02;9,10,12,16,17,18,19,28/03	95111	8	45,47,50,52/02;1,6,7,8,12,13,23,25,29/03	95205	1	35,37/02			
94164	2	26,27,46,50,51/02;12,16,19/03	95112	7	20,21,42,43,52/02;1,4,14,21,26/03	95206	4	25/03			
94165	4	20,26,50/02;18,24/03	95113	8	45,47,50,52/02;1,6,7,8,9,10,11,12,13,16,17,18,19/03	95207	6	33,39/02;7,14,16/03			
94180	9	26,32,42,44,47,50,51/02;23,28/03	95114	9	38,41,46,48,50,52/02;1,6,7,8,9,10,11,12,13,16,17,19,23,24,25,27,28,30/03	95208	14	23/02;14/03			
94184	2	N51/02	95115	9	38,41,46,48,50,52/02;1,6,7,8,9,10,11,12,13,16,21,22,23,24,25,27,28,30/03	95209	1	7,14,16/03			
94187	3	32/02;14,23/03	95116	9	38,41,46,48,50,52/02;1,6,7,8,9,10,11,12,13,16,21,22,23,24,25,27,28,30/03	95210	1	7,16/03			
94188	2	44,46,47,51/02;8,28/03	95117	11	40,45,47,48,49,50,52/02;1,5,6,7,8,9,10,11,12,13,16,21,22,23,24,25,27,28,30/03	95211	1	33/02;21/03			
94201	1	51/02;24,28/03	95118	9	45,47,50,52/02;1,6,7,8,9,10,11,12,13,16,21,22,23,24,25,27,28,30/03	95212	2	23,33/02;21/03			
94203	10	22,26,41,42,44,46,47,52/02;10,11,24/03	95119	14	36,38,39,40,41,44,46,47,48,49,50,52/02;1,8,9,16,21,23,24,25,27,28,30/03	95213	9	22,23,31,34,39,46,48/02;1,4,5,6,7,8,12,14,17,18,20,21,22,23,27,28/03			
94206	3	22,26,41,42,44,47,52/02;11,19/03	95120	13	39,41,44,45,46,47,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,21,22,23,24,25,27,28,30/03	95214	9	25,44/02;5,9,14,16,18,22,26/03			
94207	5	N26,N42,N44,N47,N52/02;N11,N19/03	95121	13	39,41,44,45,46,47,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,21,22,23,24,25,27,28,30/03	95215	7	18,28/03			
94208	6	N44/02	95122	13	22,34,36,37,38,41,43,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,21,22,23,24,25,27,28,30/03	95216	15	43,44,52/02;20,25/03			
94216	6	27,45/02;10,17/03	95123	9	22,34,36,37,38,41,43,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,21,22,23,24,25,27,28,30/03	95217	9	28,29,45,52/02;4,6,10,19,20,25/03			
94217	4	30/02;6/03	95124	14	36,38,39,40,41,44,46,47,48,49,50,52/02;1,8,9,16,21,23,24,25,27,28,30/03	95218	3	21,23,31,34,39,46,48/02;1,4,5,6,7,8,12,14,17,18,20,22,23,27,28/03			
94218	3	30,36/02;6,18/03	95125	17	34,36,37,38,40,47,50/02;1,5,19,23,28,29,30/03	95219	3	21,23,31/02;6,9,13,20,23,25/03			
94219	1	47/02	95126	5	37,38/02;6,9,19,28,30,31,32/03	95220	9	52/02;8,16,17,22,25,26,29/03			
94220	4	22,26,41,42,44,47,49/02;8,10,11,17,18/03	95127	8	47/02	95221	7	18,28/03			

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 20/02 THROUGH NM 32/03**

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.
97220	3	21,24,31,37,39,42,43, 44/02;6,8,9,17,18,23, 29/03	97390	5	31,39,40/02;2,5,12,16/03
97221	20	21,24,31,37,39,42,44,45, 49,52/02;6,8,9,10,13,17, 18,19,20,22,23,25,26, 29/03	97391	26	31/02;6,7,12,16/03
97222	12	25,28,47/02;10,22,29/03	97392	5	21/02;1,21,23,26/03
97223	3	42,44,48/02;16,17,22, 23/03	97396	14	21,36,39,40/02;2,16,17, 23/03
97224	6	25,27,46,47,49/02	97397	7	25,39,49/02;16,26/03
97225	31	21,24,37,39,42,44,45/02; 6,8,9,10,17,18,19,23, 25/03	97400	3	25,26/02;1,12,17,21/03
97226	7	18/03	97410	8	21/02;17,19/03
97227	11	21,24,42,43/02;9,18, 30/03	97412	7	40/02
97228	15	21,28,30,39,40,42,43/02; 5,6,9,15,17,18,20,21,22, 27,29/03	97420	17	21,34,39,42,47,52/02;1,8, 10/03
97229	12	24,27,31,36,39,47/02;6,8, 9,18,28/03	97421	13	20,35,36/02;1,10,13,20, 26/03
97230	18	29,36,52/02;6,9,28/03	97423	2	20,35,36/02;1,13,20, 26/03
97231	11	21,41/02;6,23/03	97425	6	34,39,47,52/02;1,6,8, 10/03
97232	8	20,25/02;22,25/03	97440	8	20,23,27,52/02;1,16,19, 27/03
97233	11	31,33,43,44,49/02;1,5,6, 9,15,16,23/03	97441	5	20,46/02
97234	17	29,43,47,49/02;1,6,8,9, 16/03	97443	6	15,19,25/03
97236	20	31,47/02;9,16,23/03	97460	7	40/02;5,19,21/03
97239	10	31,33/02;1,5,9,16,23/03	97461	9	21/02;5,8,19,21,22,23, 26/03
97241	6	10/03	97465	9	21/02;1,6,8,19,20,22/03
97243	8	21,28,29,31,33,48/02;1,5, 6,21,27/03	97466	2	25,46/02;1,23,27/03
97244	5	9/03	97469	10	26/02;1,6,8,19,20,22/03
97245	11	28,36/02;1,5,9,29/03	97471	5	N31/02;N22/03
97246	7	43,52/02;5/03	97472	8	34/02
97251	4	6,10,17/03	97474	7	21/02;22/03
97261	15	41/02;1,5,7,18,21,26/03	97480	7	21,35,52/02;3,9,10,17,18, 21/03
97262	10	21,29,34/02;1,5,6,7,15, 21,26/03	97481	6	47,49/02;9,18,20/03
97263	10	5,7,9,15,18,21/03	97483	7	48,52/02;20/03
97266	5	37,41/02;1,5,6,7,14,15, 18,26/03	97521	6	42/02;16,18,20/03
97267	16	25,29,40,41/02;1,5,6,8, 10,13,18,26,27/03	97564	3	16/03
97268	10	6/03	800669	8	N20/02
97269	11	20,45/02;8,13,18,27/03	800744	1	N22,N49/02;N5,N12, N13,N16/03
97270	6	36,44/02;1,5/03	801217	1	N21/02;N6,N8,N19,N20, N22/03
97271	12	25,29,37,39/02;6,10,12, 26/03	801885	3	N28/02
97272	11	52/02;6,10,12,14,23/03	801902	9	N25,N31/03
97273	10	27,34,42,45,49/02;6,8,9, 13,14,15,18/03	802202	8	N23,N31,N35/02;N1, N7/03
97274	19	27,31,34,39,45/02;6,9,15, 17,18,23/03	802260	5	N20/02
97276	1	27,29,40/02;9/03	803404	2	N26/02
97277	11	27/02;1,5,6,8,9,14/03	804037	1	N28/02
97278	9	39/02;1,20/03	804059	2	N20/02
97279	9	27/02;9,27/03	804567	4	N31/03
97280	4	52/02	805118	3	N12/03
97281	2	41/02	805647	2	N37,N51/02;N30/03
97283	3	45/02;9/03	806927	8	N25,N30/03
97285	6	23,27,31,34,42/02;7,13, 17/03	807370	5	N17,N25,N30,N31/03
97286	6	21,23,25,27,31,34,35,36, 41,42/02;6,8,10,13,17/03	807861	2	N27/02;N22/03
97287	5	34/02;20/03	808365	2	N14/03
97300	6	1,13,25,26/03	808528	1	N25/02
97303	3	25,47,48/02	809055	7	N16/03
97320	6	33/02;14,25/03	809310	9	N39/02
97340	8	27,33,38,52/02;16,17,18, 22/03	809679	2	N25,N50/02;N12,N27/03
97341	9	27,34/02;16,21/03			
97342	14	27,38/02;17,18,22,27/03			
97343	12	27,38/02;17,25/03			
97360	6	20,23,27,38/02;5,7,13,18, 27/03			
97380	7	21,39,47,52/02;1,2,8,16, 23/03			
97381	7	27/02;7,13,27/03			
97382	2	41,45/02;4/03			
97383	16	31/02;5,7,13/03			
97384	4	47/02;19/03			
97385	10	31,52/02;5,6,7,9/03			
97387	2	4,5,7/03			
97389	1	39/02			

## SECTION II

NM 32/03

## 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									
11BCO11409 (7642014010195)	Anclote Keys to Crystal River (LORAN-C)	80,000	<u>28</u>	<u>5/03</u>	NOS	1-94	32/03		
11AHA11478 (7642014010149)	Port Canaveral	10,000	<u>20</u>	<u>5/03</u>	NOS	1-94	32/03		
	Inset: Canaveral Barge Canal Extension	40,000							
14XHA14926 (7642014010698)	SMALL-CHART BOOK CHART Chicago and South Shore of Lake Michigan (book of 30 charts)	Various	<u>10</u>	<u>4/03</u>	NOS	1-96	32/03		
18AHA18725 (7642014011532)	<u>Port Hueneme to Santa Barbara</u>	<u>50,000</u>	<u>27</u>	<u>6/03</u>	NOS	1-86,89, 99	32/03		
	<u>Insets: Santa Barbara</u>	<u>12,500</u>							
	<u>Channel Islands Harbor and Port Hueneme</u>	<u>12,500</u>							
	<u>Ventura</u>	<u>25,000</u>							
REGION 2									
25ACO25677 (7642014012014)	<u>South Coast of Puerto Rico</u>	100,000	<u>20</u>	<u>5/03</u>	NOS	2-40,63	32/03		
	Inset: Las Mareas	20,000							
25AHA25683 (7642014012039)	Bahia de Ponce and Approaches	20,000	<u>18</u>	<u>5/03</u>	NOS	2-63	32/03		
MISCELLANEOUS CHARTS AND PUBLICATIONS									
WOPGN50 (INT 50) (7642014009466)	<u>North Pacific Ocean (Eastern Part)</u>	10,000,000	<u>6</u>	<u>6/03</u>	NOS	10-4,40	32/03		
	<u>Bering Sea Continuation</u>	10,000,000							
WOPGN500 (INT 810) (7642014009467)	<u>West Coast of North America-Dixon Entrance to Unimak Pass (LORAN-C)</u>	3,500,000	<u>8</u>	<u>6/03</u>	NOS	10-4,40	32/03		
CDPUBSD192 (7644014665953)	<u>North Sea (Enroute), 2003</u>					<u>GPO</u>	10-19, 38	32/03	
NOSPBCP8 (7642014008451)	<u>No. 8 Dixon Entrance to Cape Spencer, 2003</u>					NOS	10-25	32/03	

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

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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



**PUB 172 (Continued)**

Ain Sukhna. Three more basins are planned to be added to the harbor.

**Depths—Limitations.**—The harbor is reached from the E through a channel dredged to a depth of 18m and marked by lighted buoys. Two lighted breakwaters extend from the shore as the harbor is reached. The W edge of the channel and turning basin has been dredged to 17m. Two quays, each 750m long with an alongside depth of 17m, lie inside the harbor and can handle vessels up to 170,000 dwt.

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

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

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

(BA NP 63) 32/03

Page 43—Line 19/R; insert after:

A commercial wharf is located in the NW part of the harbor. Berth 1 is located at the NE end of the wharf and has an alongside depth of 14m. The berth can accommodate vessels up to 290m in length. Berth 2 is located SW of Berth 1, has an alongside depth of 10m, and can accommodate vessels up to 290m in length. Berth 3 is an L-shaped pier which is located SW of Berth 2 and can accommodate vessels up to 221m in length, with a maximum draft of 9.45m.

(BA NP 63) 32/03

Page 53—Line 20/L; insert after:

Pilots can be reached on VHF channel 14 and vessels are advised to maintain a listening watch to enable them to receive any instructions from port control.

(BA NP 63) 32/03

Page 73—Line 15/R; read:

The jetties can accommodate vessels up to 26,000 dwt, with a length of 210m and a draft of 10.3m.

(BA NP 63) 32/03

Page 74—Line 21/L; insert after:

**Caution.**—The Aseb Bay area is inadequately surveyed and uncharted shoals may exist.

(BA NP 63) 32/03

Page 82—Line 7/R; read:

Port Control, call sign "Yamit Elat," may be contacted on VHF channels 12, 13, 14, and 16. Vessels must report 24 hours in advance and vessels bound for anchorage must contact Port Control to obtain an anchor position. All vessels shall contact the Israeli Navy on VHF channel 16 when 25 miles from the coast.

(BA NP 63) 32/03

Page 83—Line 24/L; read:

B, can accommodate vessels up to 40,000 dwt, with a  
(BA NP 63) 32/03

Page 83—Line 47/R; insert after:

Due to sudden changes in weather, vessels should obtain permission from the harbormaster prior to immobilizing engines.

(BA NP 63) 32/03

Page 88—Line 51/L; read:

comprised of Berth No. 1 thru Berth No. 7, with a dredged depth of 14m

(BA NP 64) 32/03

Page 88—Line 55/L; read:

The Bulk Terminal, Berth No. 21 and Berth No. 22, with a total

(BA NP 64) 32/03

Page 88—Line 10/R; insert after:

Chemical Berth No. 40, completed in 2000, stands close W of Berth No. 41. The berth comprises of six breasting dolphins and four mooring dolphins. The new facility can accommodate vessels between 5,000 and 50,000 dwt, with a maximum draft of 12.15m.

(BA NP 64) 32/03

Page 88—Line 17/R; read:

1. Berth No. 61, 440m in length, with an alongside depth of 28m, can

(BA NP 64) 32/03

Page 88—Line 20/R; read:

2. Berth No. 62, 470m in length, with an alongside depth of 32m, can

(BA NP 64) 32/03

Page 88—Line 23/R; read:

3. Berth No. 63, 490m in length, with an alongside depth of 27.4m, can

(BA NP 64) 32/03

Page 88—Line 26/R; read:

4. Berth No. 64, 400m in length, extending SE from Berth No. 63, has a

(BA NP 64) 32/03

Page 92—Line 4/L; read:

Ro-ro terminals are situated at Berth No. 7, Berth No. 8, Berth No. 15 to Berth No. 20, and Berth No. 57, with alongside depths between 8 and 13.5m, as best seen on the chart.

(BA NP 64) 32/03

## SECTION II

NM 32/03

### PUB 172 (Continued)

Page 94—Line 5/R; insert after:

Uncharted reefs may exist inside the 100m curve. Vessels are advised to use caution when transiting this area.

(BA NP 64) 32/03

Page 107—Line 8/L; insert after:

Jizan Oil Terminal consists of two SPMs, SPM-1 and SPM-2, moored about 4 miles SW of the main harbor entrance. Both berths can handle vessels between 10,000 and 49,000 dwt, 220m in length, with a maximum draft of 16.3m.

(BA NP 64) 32/03

Page 107—Line 30/L; insert after:

**Directions.**—The northern approach route is the only entrance to the Port of Jizan. The route leads for about 90 miles from position 10 miles WSW of Jizan North Lighted Buoy (16°57'N., 41°17'E.). The approach channel is well marked by lighted buoys. Range lights, in line bearing 096.3°, lead through the breakwaters and into the port.

(BA NP 64) 32/03

Page 120—Line 38/R; insert after:

A forked channel lies 1 mile inside the outer entrance. The channel continues WNW towards Little Aden Oil Terminal or NNE towards the Inner Harbor and the Aden Peninsula. Range lights, in line bearing 300°, lead towards Aden Oil Terminal.

(BA NP 64) 32/03

Page 192—Line 27/L; insert after:

W of the town of Bandar Abbas, and is the main base for the Iranian Navy. The port is protected by a breakwater.

(BA NP 63) 32/03

Page 192—Line 20/R; insert after:

The port office requires 48 hour notice prior to arrival.

(BA NP 63) 32/03

### PUB 173 7 Ed 2002

### LAST NM 27/03

Page 103—Lines 42 to 44/L; read:

mile from the S end of Agatti Island. Agatti Lighthouse, a white frame tower 30m high, is situated near the NE end of the island.

(BA NP 38) 32/03

Page 103—Lines 25 to 26/R; read:

Islands resides on the island. Kavaratti Island Light, a round white concrete tower with black bands and a racon, is situated on the SE point of the island.

(BA NP 38) 32/03

Page 103—Line 34/R; insert after:

Two jetties are situated on the N part of the NW side of the island.

(BA NP 38) 32/03

Page 104—Line 12/L; insert after:

A bungalow and a mosque, 3m high, are reported to stand nearby.

(BA NP 38) 32/03

Page 104—Line 34/L; read:

peni Island. Anchorage has been reported 0.7 mile N of Cheriany Island, in 9m, sand and coral.

(BA NP 38) 32/03

Page 104—Lines 55 to 57/L; read:

It was reported that a racon was established on the light and a conspicuous red and white pylon stood close S of it.

(BA NP 38) 32/03

Page 110—Lines 46 to 48/R; read:

**Pilotage.**—Pilotage is compulsory for all vessels over 100 grt and is available daily from 0630 to 2200 Saturday through Thursday, and from 0630 to 0900 and 1430 to 2100 on Friday.

Vessels must report their ETA 48 hours, 24 hours and 3 hours in advance.

The ETA message should contain:

1. Vessel's name.
2. Master's name and nationality.
3. Agent's name.
4. Owner's name.
5. Last and next port of call.
6. Type of vessel.
7. Port of registry and number.
8. DWT, gt, and nrt.
9. LOA and maximum draft.
10. Call sign.
11. Details of dangerous cargo for discharging or in transit.
12. ETA at Male.
13. Cargo for the Maldives or in transit.
14. Air draft.

The ETA must be confirmed or amended not less than 3 hours before arrival.

Pilots board in position 4°10'N, 73°32'E.

Vessels sailing from Male should request a pilot from the agent 3 hours prior to sailing.

(BA NP 286(4)) 32/03

Page 110—Lines 49 to 53/R; read:

**Regulations.**—Approval is required from harbor control for any work that could immobilize a vessel for 2 hours or more.

Vessels must get written approval from the Port Authority for any hot work to be done in port.

All trade must be made through Male. Surrounding atolls cannot trade with foreign vessels due to customs regulations.

(BA NP 286(4)) 32/03

## SECTION II

NM 32/03

### PUB 173 (Continued)

Page 122—Line 13/L; insert after:

<b>Nagapattinam Home Page</b>
http://www.indiport.com/minorports/nagapatti.htm

(NIMA) 32/03

**PUB 175      7 Ed 2001      LAST NM 29/03**

Page 94—Lines 21 to 29/R; read:

**Anchorage.**—Anchorage can be obtained in the Western Anchorage, located 3.8 miles N of Nelson Rocks, and the Petroleum and Explosives Anchorage, located 2 miles NW of Cape Legenre. Both areas have depths of 29 to 38m, coarse sand and shell bottoms. These areas are best viewed on the chart.

A supply vessel and small craft anchorage is located just W of the LNG Wharf at Woodside Petroleum and has a depth of 8m, mud and sand. Anchoring is strictly prohibited between these anchorages and N of the pilot boarding area due to the presence of underwater pipelines.

(11(399)03 Wollongong) 32/03

**PUB 192      8 Ed 2003      NEW EDITION**  
(NIMA) 32/03

**PUB 195      7 Ed 2002      LAST NM 21/03**

Page 114—Lines 50 to 53/R; read:

This route is authorized for vessels with drafts up to 11.1m. However, vessels larger than 45,000 dwt and all tankers are limited to a maximum draft of 11.1m.

(BA NM 18/03) 32/03

Page 115—Line 15/L; read:  
authorized for vessels with drafts up to 8.7m.  
(BA NM 18/03) 32/03

### COAST PILOT CORRECTIONS

**COAST PILOT 1      33 Ed 2003      Change No. 6      LAST NM 29/03**

Page 175—Paragraph 57, lines 11 to 12; read:  
where depths of 5 to 7.5 feet were available in July-August 2002. The ruins of a footbridge, which formerly connected ...  
(BP 179636) 32/03

Page 246—Paragraph 414, lines 5 to 6; read:  
about 7.7 to 10 feet in the middle and 4.4 to 6.1 feet along the east and west shores with lesser depths along the north shore. **Northeast Passage**, with a depth of about 19 ...  
(BP 179761) 32/03

Page 351—Paragraph 98, line 4; read:  
regulations.) A submerged pipeline extends from Cat Cove to just south of Folger Point. Mariners are advised to exercise extreme caution when transiting or anchoring in this area.  
(CL 1117/03; BP 180814) 32/03

Page 381—Paragraph 10, line 9; read:  
January 1999-August 2001, the controlling depths were 6.0  
... (CL 44/03; BP 179682) 32/03

**COAST PILOT 1      33 Ed 2003      Change No. 7**

Page 382—Paragraph 22, lines 4 to 9; read:  
the harbor. In November 2002-February 2003, the controlling depth was 6.4 feet (10.0 feet at midchannel) and then 10 feet in the basin with lesser depths along the southeast limit. Another dredged anchorage basin north of the entrance channel, just inside the jetties, had depths of 7.3 to 10.0 feet with shoaling along the northwest and northeast limits. Depths of  
... (CL 524/03; BP 180124; NOS 13269) 32/03

**COAST PILOT 2      32 Ed 2003      Change No. 12      LAST NM 30/03**

Page 265—Paragraph 238, lines 6 to 7; read:  
July 2002, the controlling depth was 8.4 feet from the entrance to a point just southwest of Little Narragansett Bay ...  
(CL 2305/02; BPs 179602-06;  
03/03 CG1; NOS 13214) 32/03

Page 265—Paragraph 238, lines 12 to 14; read:  
eastward of Little Narragansett Bay Entrance Lighted Buoy 5 to Little Narragansett Bay Entrance Buoy 9 with a controlling depth of 5.7 feet, thence 7.1 feet to the entrance ...  
(BPs 179602-06; CL 2305/02;  
03/03 CG1; NOS 13214) 32/03

**COAST PILOT 2      32 Ed 2003      Change No. 13**

Page 189—Paragraph 166, line 3; read:  
**Nantucket (Great Point) Light** (41°23'25"N., 70°02'54"W.), 71 feet ...  
(48/02 CG1; LL/02) 32/03

Page 302—Paragraph 354, lines 3 to 4; read:  
**Stratford Shoal (Middle Ground) Light** (41°03'35"N., 73°06'05"W.), 60 feet above the water and shown from a ...  
(49/02 CG1; LL/02) 32/03

Page 322—Paragraph 180, lines 6 to 14; read:  
August 2002, the controlling depths were 10 feet at mid-channel to the first fixed bridge about 0.8 mile above the entrance, thence 6.1 feet at midchannel to the basin, thence 8.5 feet in the basin, thence in 1993, 3 feet at midchannel to just below the head of navigation about 30 yards below the second fixed bridge (Mill Street fixed bridge). The channel is marked to a point ...  
(CL 313/03; BPs 179858-63) 32/03

Page 337—Paragraph 399, lines 2 to 3; read:  
to East River, is marked by a light. **Throgs Neck Light**

**COAST PILOT 2 (Continued)**

(40°48'16"N., 73°47'26"W.), 60 ... (CL 882/03; 48/02 CG1; LL/02)	32/03	tronic repairs is available. (CL 889/02)	32/03
Page 339—Paragraph 427, lines 7 to 10; read: The river is being filled in above 172 <sup>nd</sup> Street. In July 2002, the controlling depth was 3.2 feet (4.8 feet at midchannel) to the Brucker Blvd. Bridge, thence 0.7 feet (1.9 feet at mid-channel) to East 172 <sup>nd</sup> Street. The ... (CL 271/03; BPs 179794-802)	32/03	Page 386—Paragraph 49, lines 4 to 6; read: have berths, electricity, gasoline, diesel fuel, water, ice, wet and dry storage, pump-out station, and marine supplies. A 50-ton lift is available for making hull, engine, and electronic repairs. In February 2002, depths of 6 feet were ... (CL 889/02)	32/03
Page 354—Paragraph 138; strike out. (NOS 12352)	32/03	Page 386—Paragraph 62, lines 2 to 5; read: highway bridge, at <b>Mile 55.1</b> , has berths, electricity, gasoline, diesel fuel, water, ice, pump-out station, marine supplies, wet and dry storage, and an 18-ton lift; hull, engine and electrical repairs can be made. In 2002, the reported depth alongside was 6 feet. (CL 890/02)	32/03
<b>COAST PILOT 4</b> <b>34 Ed 2002</b> <b>Change No. 31</b> <b>LAST NM 27/03</b>		Page 386—Paragraph 69, line 3; read: clearance of 14 feet at the center. A marina, south of the bridge, on the east side of the waterway has gasoline, diesel fuel, dry storage, water, ice, marine supplies and a 20-ton lift. Hull, engine and electronic repairs can be made. (CL 891/02)	32/03
Page 356—Paragraph 11, line 1; read: <b>Seattle:</b> Director, Marine Operations Center (Pacific), National Ocean ... (CL 1200/03)	32/03	Page 386—Paragraph 70, lines 3 to 11; read: clearance of 9 feet. Near the E end of the bridge are several small-craft facilities. Berths with electricity, gasoline, water, ice, and storage are available. A boatyard has an 80-ton marine lift. Hull, engine, and electronic repairs can be made. (CL 1840/02; CL 191/02; CL 1017/03)	32/03
<b>COAST PILOT 5</b> <b>30 Ed 2003</b> <b>Change No. 30</b> <b>LAST NM 30/03</b>		Page 386—Paragraph 72, lines 2 to 7; read: Sarasota Bay. A marina is near the S end of Siesta Key just N of Midnight Pass. Gasoline, diesel fuel, water, ice, wet and dry storage, and a 10-ton lift are available. Hull, engine and electronic repairs can be made. In 2001, the reported controlling depth to the marina was 5 feet. (CL 2066/01)	32/03
Page 231—Paragraph 92, lines 6 to 10; read: small craft inside the pier head. In May 2003, 10 feet was reported in the approach channel with 8 feet alongside the berths. Gasoline, diesel fuel, electricity, water, ice and a pump-out station are available. Hull, engine, and electronic repairs can be made. (CL 1017/03)	32/03	Page 420—Paragraph 384, lines 6 to 7; read: 0.8 mile ENE from <b>Punta Conejo</b> , the W entrance point. <b>Cayo Jalovita</b> and <b>Cayo Jalova</b> are ... (24/03 CG7; LL/03)	32/03
Page 232—Paragraph 99, lines 3 to 6; read: reported controlling depth of 5 feet in May 2003. Water, storage, a launching ramp, and a 40-ton lift are available. Hull and engine repairs can be made. (CL 1017/03)	32/03	<b>COAST PILOT 6</b> <b>33 Ed 2003</b> <b>Change No. 7</b> <b>LAST NM 29/03</b>	
Page 232—Paragraph 100, lines 7 to 12; read: diesel fuel, berths with electricity, water, ice, marine supplies, pump-out station, and wet storage. A restaurant is on the end of the pier. The marina monitors VHF-FM channel 16. The entrance channel to the marina, marked by private daybeacons, had a reported depth of 8 feet in 2003. Pilings of a former pier extend 250 yards from shore W of the Palmetto pier. A marina, 0.4 mile E of the U.S. Route 301 highway bridge and on the N side of the river has berths, electricity, gasoline, diesel fuel, pump-out station, water, ice, and marine supplies available. (CL 1017/03)	32/03	Page 273—Paragraph 90, line 2; read: with a clearance of 10 feet, crosses Trenton Channel 2.2 ... (CL 2225/02)	32/03
Page 385—Paragraph 43, line 4; read: storage are available. A 70-ton lift for hull, engine and elec-		Page 392—Paragraph 537, line 12; read: Harbor. A seasonal lighted buoy marks the outer end of the shoal. <b>Hyde Park</b> ... (13/03 CG9; LL/03)	32/03

<b>COAST PILOT 7</b>	<b>34 Ed 2002</b>	<b>Change No. 23</b>		
		<b>LAST NM 30/03</b>		
Page 383—Paragraph 214, lines 11 to 13; read: shipped by barge.			Page 67—Paragraphs 465 to 467; read: (c) [Suspended] (FR 5/22/03)	32/03
The National Oceanic and Atmospheric Administration's <b>Marine Operations Center, Pacific</b> , operates two piers on the E side of the lake which serve as the shipbase for the National Ocean Service's Pacific fleet. The N side of the N pier has a 510-foot berth with ... (CL 1200/03)			Page 67—Table, item 8; read: (8) [Suspended] (FR 5/22/03)	32/03
Page 383—Paragraph 215, line 1; read: A drydock company adjacent to the Marine Operations Center, Pacific, ... (CL 1200/03)			Page 350—Paragraph 127, line 2; read: feet above the water, is shown from a skeleton tower with a ... (29/97 CG17; LL/03)	32/03
Page 414—Paragraph 124, lines 3 to 5; read: vicinity. <b>Pepeekeo Point Light</b> (19°50'50"N., 155° 04'58"W.), 147 feet above the water, is shown from a 75-foot steel pole with a white and black dayboard on the N side of the entrance to Hilo Bay. During the ... (24/03 CG14; LL/03)			<b>COAST PILOT 9</b>	<b>21 Ed 2003</b>
				<b>Change No. 2</b>
Page 427—Paragraph 346, line 1; read: <b>Lahaina Light</b> (20°52'20"N., 156°40'43"W.), 44 feet above ... (22/03 CG14; LL/03)			Page 92—Paragraph 1032, line 4; read: chapter.	
Page 442—Paragraph 662, line 4; read: Kaneilio Point and the opposing ... (24/03 CG14; LL/03)				
Page 471—Paragraph 11, line 1; read: <b>Seattle</b> : Director, Marine Operations Center (Pacific), National Ocean ... (CL 1200/03)			<b>§165.1709 Security Zones: Liquefied Natural Gas Tanker Transits and Operations at Phillips Petroleum LNG Pier, Cook Inlet, AK.</b>	
<b>COAST PILOT 8</b>	<b>25 Ed 2003</b>	<b>NEW EDITION</b>		
(NOS)				
			(a) <i>Location.</i> The following areas are established as security zones during the specified conditions:	
<b>COAST PILOT 9</b>	<b>21 Ed 2003</b>	<b>Change No. 1</b>	(1) All navigable waters within a 1000-yard radius of the Liquefied Natural Gas (LNG) tankers during their inbound and outbound transits through Cook Inlet, Alaska between the Phillips Petroleum LNG Pier, 60°40'43"N. and 151°24'10"W., and the Homer Pilot Station at 59°34'52"N. and 151°25'44"W. On the inbound transit, this security zone remains in effect until the tanker is alongside the Phillips Petroleum LNG Pier, 60°40'43"N. and 151°24'10"W.	
		<b>LAST NM 30/03</b>	(2) All navigable waters within a 1000-yard radius of the Liquefied Natural Gas Tankers while they are moored at Phillips Petroleum LNG Pier, 60°40'43"N. and 151°24'10"W.	
Page 63—Paragraphs 401 to 402; read: (d) [Suspended] (e) [Suspended] (FR 5/22/03)			(b) <i>Special Regulations.</i> (1) For the purpose of this section, the general regulations contained in 33 CFR 165.33 apply to all but the following vessels in the areas described in paragraph (a):	
			(i) Vessels scheduled to moor and offload or load cargo at other Nikiski marine terminals that have provided the Coast Guard with an Advance Notice of Arrival.	
Page 65—Paragraph 452, lines 8 to 12; read: of Canada by fax at 315-764-3235 or at 315-764-3200. (FR 5/22/03)			(ii) Commercial fishing vessels, including drift net and set net vessels, fishing from the waters within the zone, if	
Page 65—Paragraph 453, line 4 to Paragraph 454; read: Captain of the Port (COTP). (d) [Suspended] (FR 5/22/03)			(A) The owner of the vessel has previously requested approval from the Captain of the Port representative, Marine Safety Detachment Kenai, Alaska, to fish in the security zone and	
			(B) Has provided the Captain of the Port representative, Marine Safety Detachment Kenai, Alaska current information about the vessel, including:	
			(1) The name and/or the official number, if documented, or state number, if numbered by a state issuing authority;	
			(2) A brief description of the vessel, including length, color, and type of vessel;	

**COAST PILOT 9 (Continued)**

(3) The name, Social Security number, current address, and telephone number of the vessel's master, operator or person in charge; and

(4) Upon request, information on the vessel's crew.

(C) A vessel owner or operator is required to submit the information one time, but shall provide the Captain of the Port representative updated information when any part of it changes.

(D) The Captain of the Port must approve a vessel's request prior to being allowed into the security zone at the Phillips Petroleum LNG Pier.

(E) The vessel is operated in compliance with any specific orders issued to the vessel by the Captain of the Port or other regulations controlling the operation of vessels within the security zone that may be in effect.

(2) All persons and vessels shall comply with the instructions of the Captain of the Port representative or the designated on-scene patrol personnel. These personnel are comprised of commissioned, warrant, and petty officers of the Coast Guard. Upon being hailed by a U.S. Coast Guard vessel by siren, radio, flashing light, or other means, the operator of a vessel shall proceed as directed.

(3) The Marine Safety Detachment Kenai, Alaska will notify the maritime community of these security zones by publishing a Local Notice to Mariners and via a bimonthly marine Broadcast Notice to Mariners.

(FR 3/25/03; FR 7/1/02) 32/03

Page 500—Paragraph 46, line 5 to Paragraph 49; read:

2288, Mobile, AL 36602, Attn: Map Sales, LM-SR; telephone, 251-441-5631.

Flood Control and Navigation Maps of the Mississippi River, Cairo, IL to the Gulf of Mexico: Published by Mississippi River Commission and for sale by U.S. Army Engineer District Vicksburg, 4155 Clay Street, Vicksburg, MS 39183-3435, Attn: Map Sales; telephone: 601-631-5042.

Upper Mississippi River Navigation Charts (Mississippi River, Cairo, IL to Minneapolis, MN): Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.

Charts of the Illinois Waterway, from Mississippi River at Grafton, IL to Lake Michigan at Chicago and Calumet Harbors: Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone 309-794-5338.

(CE/03) 32/03

Page 504—Paragraphs 234 to 237; read:

**KDG-58**, Annette: 4125 kHz, 0700 and 1540;

**KCB-53**, Barrow: 4125 kHz, 0630 and 1900; April 1 through September only;

**KDG-91**, Yakutat: 4125 kHz, 0515 and 1930;

**KCI-98**, King Salmon: 4125 kHz, 0930 and 1630;

**KCI-95**, Cold Bay: 4125 kHz, 1030 and 2030;

(CL 885/03) 32/03

Page 504—Paragraph 243; read:

WXJ-79, Cordova (60°33'N., 145°45'W.) 162.40 MHz.

(CL 885/03)

32/03

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*6	<i>University of Maine Jordan Lighted Buoy M</i>	43 29 24 N 67 52 55 W	Fl Y 4s		4	Yellow.	Private aid.  32/03
*589	<i>Woods Hole Oceanographic CBLAST Research Tower</i>	41 19 30 N 70 33 36 W	Fl Y 4s	68	4	Steel tripod with mast	Private aid. HORN .  32/03
2243	<i>Jordin Basin WHOI Research Lighted Buoy E</i>						Remove from list.  *
*2296	<i>Great Duck Island Light Station Mooring Buoy</i>					White nun with blue stripe.	Marked CG.  32/03
9315	<b>IPSWICH LIGHT</b>	42 41 07 N 70 45 58 W	Oc W 4s	30	5	NR on skeleton tower.	*
29195	- <i>Lighted Buoy 18</i>		Fl R 4s		3	Red.	*
29205	<i>Captree Boat Basin Entrance Lighted Buoy CB</i>		Fl (2+1) G 6s		3	Green and red bands.	Replaced by can when endangered by ice.  *
29245	- <i>Lighted Buoy 8</i>		Fl R 2.5s		4	Red.	Replaced by nun from Nov. 1 to Apr. 1.  *
29405	- <i>Lighted Buoy 10</i>	40 41 12 N 73 13 54 W	Fl R 2.5s		3	Red.	Replaced by nun from Nov. 15 to Apr. 1.  *
		*			*		32/03
<b>North Channel</b>							
29449	- <i>Lighted Buoy 1</i>	40 41 58 N 73 14 14 W	Fl G 2.5s		3	Green.	Replaced by can from Nov. 15 to Apr. 1.  *
29455	- <i>Lighted Buoy 4</i>	40 41 28 N 73 11 42 W	Fl R 4s		3	Red.	Replaced by nun from Nov. 15 to Apr. 1.  *
29670	<i>Bay Shore Lighted Buoy 2</i>	40 42 31 N 73 14 13 W	Fl R 2.5s		3	Red.	Replaced by nun from Nov. 15 to Apr. 1.  *
30165	- <i>Lighted Buoy 11</i>	40 44 08 N 72 52 32 W	Q G		3	Green.	Replaced by can from Nov. 1 to Apr. 15.  *
							32/03

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Denotes a new entry when preceding the station number.

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
30293	- Lighted Buoy 12	40 46 28 N 72 47 47 W	Q R		3	Red.	Replaced by nun from Nov. 1 to Apr. 15. 32/03
		*			*		
30385	- Lighted Buoy 34	40 47 59 N 72 40 12 W	Q R		3	Red.	Replaced by nun from Nov. 1 to Apr. 15. 32/03
		*			*		

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*4346	Upper Delaware River Pipeline Outfall Buoy					White with orange bands.	Private aid. 32/03
8290	- Anchorage Buoy B	39 14 59 N 76 33 15 W				Yellow can.	 32/03
		*					
8300	Anchorage Buoy C					Yellow can.	 32/03
		*					
8356	SWAN POINT SOUTH RANGE REAR PASSING LIGHT		Fl W 2.5s	25	5	On same structure as Swan Point South Range Rear Light.	 32/03
			*		*		

**\*Add Note:**

#### BALTIMORE HARBOR (Chart 12281)

##### Dundalk Terminal East Channel

\*Buoys located 75 feet outside channel limit.

21000	- RANGE FRONT LIGHT	39 14 24 N 76 31 54 W	Q G	42		KRW on pile.	Private aid. 32/03
21010	- Buoy 2DE					Red nun.	 32/03
		*					
21020	- Buoy 3					Green can.	 32/03
		*					
21027	- Lighted Buoy 5		Fl G 4s	4		Green.	 32/03
		*					

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21030	- Buoy 7	39 14 22 N 76 32 10 W				Green can.	
		*	*				32/03
21035	- Buoy 6					Red nun.	
		*					32/03
<b>Seagirt Marine Terminal East Channel</b>							
<i>Buoys located 75 feet outside channel limit.</i>							
21045	- Lighted Buoy 2SE	39 14 19 N 76 32 37 W	Fl R 4s		3	Red.	
		*					32/03
21050	-Lighted Buoy 3		Fl G 4s		4	Green.	
		*	*		*	*	32/03
21055	- Lighted Buoy 5		Q G		4	Green.	
		*					32/03
21060	- Buoy 6					Red nun.	
		*				*	32/03
21065	- Lighted Buoy 7	39 15 06 N 76 32 46 W	Fl G 4s		3	Green.	
		*	*	*			32/03
21070	- Colgate Creek Entrance Buoy 1C					Green can.	
		*				*	32/03
21095	- Junction Buoy SM					Remove from list.	
						*	32/03
21100	- Lighted Buoy 11					Remove from list.	
						*	32/03
<b>Locust Point East Channel</b>							
21225	- Buoy 1LE	39 15 23 N 76 35 29 W				Green can.	
		*					32/03
*21233	-Buoy 4					Red nun.	
							32/03
21235	- Buoy 5					Green can.	
		*					32/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Pamlico Sound</b>							
32135	GIBBS SHOAL LIGHT GBS		Fl W 4s	15	6	NB on pile.	
			*		*		32/03
*39303	- Buoy 72B					Red nun with yellow triangle.	
							32/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>TAMPA BAY AND ST. JOSEPH SOUND (Chart 11412)</b>							
1370	Egmont Key Light	27 36 03 N 82 45 38 W	Fl W 15s Oc (4) W 30s	85	24 85	White tower.	Emergency light of reduced intensity, Oc 4s, when main light is extinguished.
		*					32/03

### ST. LUCIE INLET TO FORT MYERS AND LAKE OKEECHOBEE (Chart 11428)

#### Okeechobee Waterway

#### St. Lucie River

50635	- Lighted Buoy 2	27 10 00 N 80 10 55 W	Fl R 4s	3	Red nun.		
		*					32/03

\*50645.5 - Buoy 5A Green can.

32/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5655	- Daybeacon 7					Remove from list.	
						*	32/03
5660	- Daybeacon 9					Remove from list.	
						*	32/03
5665	- Daybeacon 10					Remove from list.	
						*	32/03
5670	- Daybeacon 12					Remove from list.	
						*	32/03
7330	- CUTOFF LIGHT 6		Fl R 4s	25	3	TR on skeleton tower.	Ra ref.
					*		32/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>*Delete Heading and Note: *New Orleans Harbor</b>							
<i>*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.</i>							
13620 33175	NAVAL ACTIVITY LIGHTS (2) RDB mile 93.0.						Remove from list.
							*
							32/03
<b>*Add Heading: *New Orleans Harbor</b>							
13625 33180	GOVERNOR NICHOLLS LIGHT 94 LDB mile 94.3.	29 57 36 N 90 03 24 W	Fl R 4s			6 On skeleton tower. On same structure as Governor Nicholls Harbor Traffic Control Light.	Not operated when traffic control lights are in operation.
							32/03
*15356	Fort Livingston Danger Daybeacon A	29 16 20 N 89 56 37 W		10		NW on pile worded DANGER ROCKS.	Private aid.
							32/03
*15356.1	FORT LIVINGSTON DANGER LIGHT B	29 16 19 N 89 56 38 W		10		NW on pile worded DANGER ROCKS.	Private aid.
							32/03
*15356.2	FORT LIVINGSTON DANGER LIGHT C	29 16 19 N 89 56 42 W	Fl W 2.5s	10		NW on pile worded DANGER ROCKS.	Private aid.
							32/03
*15356.3	Fort Livingston Danger Daybeacon D	29 16 22 N 89 56 47 W		10		NW on piles worded DANGER ROCKS.	Private aid.
							32/03
*15356.4	Fort Livingston Danger Daybeacon E	29 16 23 N 89 56 47 W	Iso W 6s	10		NW on pile worded DANGER ROCKS.	Private aid.
							32/03
17205	- RANGE A REAR LIGHT 2,336 yards, 340° from front light.			55		KRW on tower.	
					*	*	
							32/03
18270	- Buoy 20						Remove from list.
							*
							32/03
*18282	- Buoy 22 190 yards outside channel limit.					Red nun.	
							32/03
21810	- RANGE G FRONT LIGHT	29 49 34 N 93 57 44 W	Q G	36		KRW on skeleton tower on piles.	For upbound traffic. Visible 2° each side of rangeline.
					*		
							32/03
21865 34045	- RANGE H FRONT LIGHT	29 52 06 N 93 55 49 W	Q R	39		KRW-I on skeleton tower on concrete block.	For upbound traffic. Visible 2° each side of rangeline.
					*		
							32/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21915 33995	- RANGE K FRONT LIGHT	29 56 05 N 93 52 05 W	Q W	30		KRW-I on skeleton tower on piles.	Visible 2° each side of rangeline.  *
							32/03
21920 34000	- RANGE K REAR LIGHT 535 yards, 200° from front light.		Iso W 6s	53		KRW on skeleton tower.	Visible 2° each side of rangeline.  *
							32/03
21925 33965	- UPPER RANGE M FRONT LIGHT	29 58 17 N 93 51 10 W	Q W	30		KRW-I on skeleton tower.	For upbound traffic. Visible 2° each side of rangeline.  *
						*	32/03
22425	- RANGE T FRONT LIGHT	30 00 27 N 93 58 42 W	F G	40		On skeleton tower on block.	Lighted throughout 24 hours.  *
							32/03
22430	- RANGE T REAR LIGHT 310 yards, 287.9° from front light.		F G	71		On skeleton tower on block.	Lighted throughout 24 hours.  *
							32/03
22440	- RANGE U REAR LIGHT 560 yards, 287.9° from front light.		F G	45		KRW on skeleton tower.	Visible 2° each side of rangeline.  *
						*	32/03
25625	- LIGHT 7	28 55 42 N 95 17 29 W	Q G	17	5	SG on skeleton tower on block.	
				*			32/03
26073	- LIGHT 26		Fl R 4s	17	3	TR on pile.	Ra ref.  *
							32/03
<b>*Delete Headings:</b>							
*New Orleans - Port Arthur							
*Via Mississippi River and Harvey Canal							
33175 13620	NAVAL ACTIVITY LIGHTS (2) RDB mile 93.0.						Remove from list.  *
							32/03
<b>*Add Headings:</b>							
*New Orleans - Port Arthur							
*Via Mississippi River and Harvey Canal							
33180 13625	GOVERNOR NICHOLLS LIGHT 94 LDB mile 94.3.	29 57 36 N 90 03 24 W	Fl R 4s	6	Skeleton tower. On same structure as Governor Nicholls Harbor Traffic Control Light.	Not operated when traffic control lights are in operation.	
							32/03
33965 21925	- UPPER RANGE M FRONT LIGHT	29 58 17 N 93 51 10 W	Q W	30		KRW-I on skeleton tower.	For upbound traffic. Visible 2° each side of rangeline.  *
						*	32/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
33995 21915	- RANGE K FRONT LIGHT	29 56 05 N 93 52 05 W	Q W	30		KRW-I on skeleton tower on piles.	Visible 2° each side of rangeline. 32/03
		*					
34000 21920	- RANGE K REAR LIGHT 535 yards, 200° from front light.		Iso W 6s	53		KRW on skeleton tower.	Visible 2° each side of rangeline. 32/03
			*				
34045 21865	- RANGE H FRONT LIGHT	29 52 06 N 93 55 49 W	Q R	39		KRW-I on skeleton tower.	For upbound traffic. Visible 2° each side of rangeline. 32/03
		*			*		
35155	- INNER RANGE A FRONT LIGHT	29 11 01 N 95 08 25 W	Q W	25		KRW on skeleton tower on pile.	Visible all around; higher intensity on rangeline. 32/03
		*					
35190	- OUTER RANGE FRONT LIGHT	29 10 27 N 95 08 07 W	Q W	25		KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline. 32/03
		*					
37510	- LIGHT 55 90 feet outside channel limit.		Fl G 2.5s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38300	- LIGHT 65		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38325	- LIGHT 73		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38350	- LIGHT 81		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38375	- LIGHT 89		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38400	- LIGHT 97		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38425	- LIGHT 105		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38450	- LIGHT 113		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Corpus Christi - Baffin Bay</b>							
Lights 50 feet outside channel limit.							
38510	- LIGHT 121		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
					*		32/03
38735	- LIGHT 193		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
					*		32/03
38850	- LIGHT 223	27 16 45 N 97 24 35 W	Fl G 4s	17	4	SG-SY on pile.	Ra ref.
		*			*		32/03
39030	- LIGHT 19		Fl G 4s	17	4	SG-SY on pile.	
					*		32/03
39080	- LIGHT 35		Fl G 4s	17	4	SG-SY on pile.	
					*		32/03
39130	- LIGHT 51		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
					*		32/03
39220	- LIGHT 2 50 feet outside channel limit.		Fl R 6s	17	4	TR-TY on pile.	Ra ref.
					*		32/03
39650	- LIGHT 127		Q G	17	4	SG on pile.	Ra ref.
					*		32/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
181.5	Santa Monica Bay UCLA Research Buoy "MUCLA"	33 56 20 N 118 42 30 W	Fl Y 4s			Yellow buoy with tripod.	Private aid.
		*					32/03
8285	- LIGHT 2	40 44 54 N 124 13 30 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*	*			*	32/03
8345	- LIGHT 13	40 43 35 N 124 13 19 W	Fl G 2.5s		3	Green.	
		*	*				32/03
11770	- LIGHT 4	45 38 30 N 121 55 57 W	Fl R 4s		3	TR on pile.	
		*			*		32/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9840	RECORS POINT DOCK LOWER LIGHT	42 45 32 N 82 28 21 W	Fl G 4s	30 9	On white post. 24	Private aid.	
		*			*		32/03
9850	RECORS POINT DOCK UPPER LIGHT		Iso G 4s	30 9	On white post. 24	Private aid.	
		*			*		32/03
10373	- LIGHT	43 45 37 N 83 16 22 W	Fl W 10s	65 20	Square white tower with red roofed cupola. 38	Private aid.	
		*			*		32/03
20413	- ENTRANCE SOUTH PIER LIGHT 1	42 29 34 N 87 48 07 W	Fl G 2.5s	21 6	SG on pole.	Private aid.	
		*					32/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2402	Grand Bruit Harbor, on Eastern Point.						Remove from list.
						*	32/03
3196 <i>H 1990</i>	Ile de Corossal.	50° 05.3' N 66° 22.6' W	Fl.I.W. period 2.4s fl. 0.4s, ec. 2s		12	Skeleton tower; 60.	Operates at night only.
			*	*	*	*	32/03
6914 <i>H 1782</i>	Riviere-au-Renard Wharf.	48° 59.9' N 64° 22.9' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	19	Square skeleton tower; 15.	
			*	*	*	*	32/03
6916 <i>H 1780</i>	Riviere-au-Renard Range, front.	48° 59.7' N 64° 23.2' W	F.R.	33 10	16	Square skeleton tower, fluorescent orange daymark, black stripe; 25.	Visible on range line only.
			*	*	*	*	32/03
6920 <i>H 1780.1</i>	-Rear, 73 meters 216°15' from front.	48° 59.7' N 64° 23.2' W	F.R.	34 10	16	Square skeleton tower, fluorescent orange daymark, black stripe; 30.	Visible on range line only.
			*	*	*	*	32/03
7928 <i>H 1110</i>	-Inner Range, front.	46° 34.4' N 63° 42.8' W	Q.R.	25 8		Square skeleton tower, white daymark, red stripe; 22.	Visible on range line only. Seasonal.
			*				32/03
7932 <i>H 1110.1</i>	--Rear, 76 meters 037°27' from front.	46° 34.5' N 63° 42.7' W	Iso.R. period 4s	31 10		Square skeleton tower, white daymark, red stripe; 22.	Visible on range line only. Seasonal.
			*	*	*		32/03
7944 <i>H 1124</i>	-Port Hill wharf.	46° 35.6' N 63° 52.0' W	Fl.W. period 4s fl. 1s, ec. 3s	15 4	7	Square skeleton tower; 14.	Seasonal.
			*	*	*		32/03
7948 <i>H 1129</i>	Cape Tryon.	46° 32.0' N 63° 30.4' W	L.Fl.W. period 6s fl. 2s, ec. 4s	110 33	8	White square tower; 41.	Emergency light.
			*	*			32/03
7960 <i>H 1130.1</i>	-Rear, 305 meters 209°16' from front.	46° 30.6' N 63° 29.3' W	Iso.R. period 4s	43 13		White square tower, red stripe.	Seasonal.
			*			*	32/03
7996 <i>H 1150</i>	Cape Stanhope (Covehead Harbor).	46° 25.8' N 63° 08.6' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	36 11	7	Red and white square tower; 27.	Seasonal. <b>Horn:</b> 1 bl. ev. 30s. (bl. 3s, si. 27s). Horn points 005°. Emergency light. Private light.
			*			*	32/03

**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 PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8616 <i>H 1248</i>	-Pictou Bar.	45° 41.2' N 62° 39.8' W	L.FI.W. period 5.5s fl. 2s, ec. 3.5s	45 14	13	White octagonal tower, red and white stripes, red upper portion; 37.	Emergency light.
	-Range, front.		Q.R.	25 8	*	*	32/03
8617 <i>H 1248.1</i>	--Rear, 3206 meters 249°42' from front.	45° 40.6' N 62° 42.1' W	Iso.R. period 4s	94 29	14	Square skeleton tower, white daymark, red stripe; 42.	
	*				*	*	32/03
8620 <i>H 1256</i>	-Harbor Range, front.	45° 41.3' N 62° 40.7' W	F.W.	23 7	12	White square tower, red stripe, red upper portion; 22.	Visible on range line only.
	*			*	*	*	32/03
8624 <i>H 1256.1</i>	--Rear, 142 meters 261°55' from front.	45° 41.3' N 62° 40.8' W	F.W.	55 17	12	White square tower, red stripefluorescent red upper portion; 36.	Visible on range line only.
	*			*	*	*	32/03
8825 <i>H 1176.4</i>	-Pleasant Bay, NE. of breakwater.	46° 50.0' N 60° 47.8' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	23 7	8	Mast; 13.	Seasonal.
		*			*	*	*
10868 <i>H 3880</i>	-Westport.	44° 15.8' N 66° 20.9' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	17 5	2	Gray skeleton mast; 12.	
		*		*	*	*	32/03
16852 <i>J 6270</i>	Monjes del Sur.	12° 21.3' N 70° 54.1' W	Fl.W. period 10.6s fl. 0.6s, ec. 10s	285 87	28	White round concrete tower, red bands; 42.	
RACON		V(• • -)			10		
				*	*	*	32/03
-Rio de Janeiro:							
18435 <i>G 0391</i>	-Ilha Rasa de Dentro.	22° 48.0' S 43° 09.4' W	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	30 9	4	Black column, red bands; 10.	
				*	*		32/03

### 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
9169.5	-Fairway buoy.	28° 46.2' S 114° 31.7' E	L.FI.W. period 10s			SAFE WATER RW, pillar, topmark.	
	-RACON		G(- - -)		*		32/03

**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 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
10400 K 2978.1	-Rear, 1.56 miles 312°04' from front.	23° 48.0' S 151° 15.9' E	Iso.W. period 2s	52 16	White cylindrical tower; 7.	F.W. by day (occas).	*
10445 K 2989.9	-Targinie Channel Range, front.	23° 48.9' S 151° 14.8' E	Q.W.  F.I.Y. period 2.5s		Black and yellow beacon, triangular topmark.	Targinie Channel marked by synchronized beacons "T1" to "T6".	*
10445.5 K 2989.91	-Rear, 0.8 mile 113°36' from front.	23° 49.1' S 151° 15.6' E	Iso.W. period 2s  FI.(2)W. period 6s		Orange rectangular daymark, yellow stripe.	Black and yellow beacon.	32/03
			*	*			32/03

## 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
16726	Minrakdong, E. breakwater. F 4374.82						Remove from list.

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
17964 - -Mole T-head, SE. end. <i>E 5100</i>		46° 30.6' N 30° 44.3' E	Fl.Bu. period 5s	33 10	1	White round metal column; 26.	
*							32/03

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
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**\*Delete Heading:  
\*KRUININGEN FERRY HARBOR:**

9332 -W. mole, head.  
B 0290

*Remove from list.*

32/03

9336 -E. mole, head.  
B 0292

*Remove from list.*

32/03

**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 PUB 114, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>*Delete Heading:</b>							
<b>*PERKPOLDER HARBOR:</b>							
9340	-W. mole. <i>B 0294</i>						<i>Remove from list.</i>
						*	32/03
9344	-E. mole. <i>B 0295</i>						<i>Remove from list.</i>
						*	32/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1048	-E. Range, front. <i>C 0566</i>	57° 38.0' N 11° 36.7' E	Oc.R. period 4s	31 9	14	White tower; 33.	Visible 176°-276°.
						*	32/03
1052	--Rear, 390 meters 253°54' from front. <i>C 0566.1</i>	57° 37.9' N 11° 36.3' E	Oc.R. period 4s	62 19	14	Red house, black gable, white band on side facing alignment.	Visible 186°-286°. Synchronized with front.
	*	*				*	32/03
1140	--Rear, 1.2 km., 079°36' from front. <i>C 0584.1</i>	57° 41.5' N 11° 55.3' E	Q.R.	253 77	11	Mast.	Shown by day from Nov. 1 to Mar. 31.
	*	*					32/03
9376	-Yxhammarskubben. <i>C 6495</i>	59° 18.8' N 18° 48.6' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 4.9s	26 8	W. 6 R. 4 G. 3	Red hut, white base; 26. Floodlit.	W. 095°-166°30', R.-283°, G.- 292°, W.-298°, R.-022°, obsc.- 095°.
	*	*					32/03

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Denotes a new entry when preceding the station number.

## SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 32/03

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> Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32/03	SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22,23,24,25,26, 31,32/03	<b>USCG LIGHT LIST VOLUMES I - VII</b> COMDTM165021	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32/03
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30, 32/03	SDPUB141	2001	21*,38/01	COMDTM165022	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32/03
Region 3	2002	1/03*	SDPUB142	2000	49/00*;3,31,35/01; 1,15,43/02	COMDTM165023	2003	17*,18,19,20,21,23, 24,25,26,28,29,31, 32/03
Region 4	2002	1*,23/03	SDPUB143	2000	8*,10,19,29/00;16, 26/01;1,25/02;9/03	COMDTM165024	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32/03
Region 5	2002	1*,3,5,8,22,27,30/03	SDPUB145	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,52/01;14, 27/02	COMDTM165025	2002	16/02*
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28,30/03	SDPUB147	2001	35/01*;21,22,23, 24/02	COMDTM165026	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32/03
Region 7	2002	1*,11,15,28/03	SDPUB148	2001	48/01*;23,24/02; 22/03	COMDTM165027	2003	18*,20,21,22,23,24, 26,27,28,30,31, 32/03
Region 8	2002	1*,14/03	SDPUB153	2000	6/01*;28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15,22,25, 32/03	<b>FLEET GUIDES</b> FGPUB940ATL	2001	N47/01*
Region 9	2002	1/03*	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30/03	FGPUB941PAC	2001	N22/01*
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32/03	SDPUB155	2001	31*,48/01;10,45, 46/02	<b>NOS MISCELLANEOUS PUBLICATIONS</b> NOSPBCATALOG1	2000	20/00*
LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21,23, 24,25,26,27,28,29, 31,32/03	SDPUB159	2002	42*,48/02	NOSPBCATALOG2	2000	34/00*
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, 12,15,16,17,18,19, 20,21,22,23,24,25, 28,29,30,31,32/03	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19,21,22,23, 30/03	NOSPBCATALOG3	2000	28/00*
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32/03	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	NOSPBCATALOG4	2000	34/00*
LLPUB113	2002	45*,47,48,50,51, 52/02;1,2,3,4,5,6,7, 8,10,11,12,13,14,15, 16,17,18,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32/03	SDPUB162	2001	51/01*;5,12/03	<b>ALMANACS</b> AIRALMANAC401	2004	29/03*
LLPUB114	2003	17*,19,21,22,23,24, 27,31,32/03	SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31/03	NAUTALMANAC04	2004	29/03*
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02;1,15,19,20, 26/03	SDPUB164	2000	30/00*;31,35,36/01; 8,28/03	<b>COAST PILOT</b> NOSPBCP1	33	27*,28,29,32/03
LLPUB116	2003	24*,26,27,28,29,30, 31,32/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26/03	NOSPBCP2	32	17*,18,21,22,26,28, 30,32/03
<b>SAILING DIRECTIONS</b>			SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22,23, 25,26,27,28,29,31, 32/03	NOSPBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02;3,10, 12,13,14,18,20, 27/03
CDPUBSD125	2003	19/03*	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27,32/03	NOSPBCP4	34	49*,51/02;12,14,18, 20,21,22,27,32/03
CDPUBSD131	2002	9/03*	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02; 30/03	NOSPBCP5	30	2*,6,10,12,14,18,20, 27,30,32/03
CDPUBSD146	2002	4/03*	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02;	NOSPBCP6	33	23*,27,29,32/03
CDPUBSD157	2003	17/03*	SDPUB180	2002	26,27,29,32/03	NOSPBCP7	34	1*,3,10,18,20,21,22, 27,30,32/03
CDPUBSD158	2003	24/03*	SDPUB181	2002	32*,33,42,47,48, 50/02;6,13,14,17,21, 24/03	NOSPBCP8	25	32/03*
CDPUBSD192	2003	32/03*	SDPUB182	2001	38*,39/02	NOSPBCP9	21	30*,32/03
CDPUBSD194	2002	6*,8,15,17,30/03	SDPUB183	2001	8*,10,12,41/02; 17/03	<b>RADIO NAVIGATIONAL AIDS</b> RAPUB117	2002	50/02*;13/03
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, 10,11,12,14,17,20, 21,23,29,30,31/03	SDPUB183	2001	27/01*;13,15,16/02; 18/03	<b>AMERICAN PRACTICAL NAVIGATOR</b> NVPUB9	2002	36/02*;14/03
SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02;24,25, 27,28,32/03	SDPUB191	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;2,9,12,15,18, 22/03	<b>INTERNATIONAL CODE OF SIGNALS</b> CDPUBNV102	2003	20/03*
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02;24,25,27,28, 29,30,32/03	SDPUB193	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23,29/03	<b>WORLD PORT INDEX</b> NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03
SDPUB126	2002	39*,41,42,43,44,45, 48/02;24,26,27,28, 30,32/03	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32/03	<b>DISTANCES BETWEEN PORTS</b> NVPUB151	2001	4/02*
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	SDPUB200	2002	38*,39,42/02;22, 27/03	<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b> CDPUBNV1310	2001	51/01*
SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03						

## SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 32/03**

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

NIMA Reference No.	Ed.	Notice to Mariners No.		
<b>SIGHT REDUCTION TABLES (MARINE)</b>				
SRPUB229V1	1970	11/71*		
SRPUB229V2	1970	11/71*		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
<b>SIGHT REDUCTION TABLES (AIR)</b>				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
<b>CHART NO. 1</b>				
WOBZC1	1997	18/98*		
<b>CHART NO. 4</b>				
WOBZC4	1988	N23/91*		
<b>ATLAS OF PILOT CHARTS</b>				
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 32/03

#### 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 241200Z July 2003:

2001 series	468(GEN)	261(GEN)	286(11)	298(11)
393(GEN)	2003 series	262(11)	294(GEN)	299(GEN)
2002 series	108(26,27)	270(11)	295(12,13)	300(14)
219(GEN)	236(11)	280(24)	297(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. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

#### NAVAREA IV WARNINGS issued from 171200Z to 241200Z July 2003.

297/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

- A. 0400Z TO 0359Z COMMENCING DAILY  
21 THRU 27 JUL IN AREA BOUND BY  
30-45N 080-54W, 30-45N 080-11W,  
30-36N 080-11W, 30-34N 080-33W.
- B. 0400Z TO 0359Z COMMENCING DAILY  
21 THRU 27 JUL IN AREA BETWEEN  
29-10N 29-20N AND 079-40W 079-50W.
- C. 1300Z TO 0600Z COMMENCING DAILY  
17, 18 AND 22 THRU 25 JUL IN AREA BETWEEN  
30-00N 29-50N AND 081-00W 080-50W.
- D. 1200Z TO 1400Z DAILY 26 AND 27 JUL  
IN AREA BETWEEN  
30-50N 31-10N AND 080-30W 080-40W.
- E. 271900Z TO 272130Z JUL IN AREA BETWEEN  
30-20N 30-30N AND 080-00W 080-20W.

2. CANCEL THIS MSG 280459Z JUL.

(181650Z JUL 2003)

298/03(11). GULF OF MEXICO.

- 1. SURVEY OPERATIONS 210001Z JUL TO 010001Z AUG  
BY M/V NORTHERN ACCESS TOWING 8700 METER  
LONG CABLE IN AREA BETWEEN  
27-55N 28-15N AND 089-40W 094-30W.  
SIX MILE BERTH REQUESTED.
- 2. CANCEL THIS MSG 010101Z AUG.

(190910Z JUL 2003)

299/03(11).

- 1. NAVAREA IV MESSAGES IN FORCE 191000Z JUL 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 236(11), 261(GEN), 262(11), 270(11), 280(24), 285(11,26), 286(11), 291(GEN), 294(GEN), 295(12,13), 297(11,26), 298(11).
- 2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
- 3. CANCEL NAVAREA IV 287/03.

(191010Z JUL 2003)

300/03(14). NORTH ATLANTIC. ICE.

- 1. RADAR TARGET REPORTED IN 46-02.0N 047-57.0W AT 221010Z JUL.
- 2. CANCEL THIS MSG 29 JUL.

(222004Z JUL 2003)

## SECTION III

### HYDROLANTS

Messages in force 241200Z July 2003:

2000 series	2682(51)	867(37)	1238(37)	1349(36,37)	1406(51)
2937(38)	2848(37)	903(36)	1239(GEN)	1354(57)	1407(43)
3762(43)	2869(52)	925(53)	1242(24)	1355(52)	1409(51)
4265(44)	2882(54)	948(57)	1243(54)	1361(51,52)	1410(24)
2001 series	2883(54)	1048(57)	1244(53)	1373(52,53)	1411(24)
611(44)	2003 series	1088(57)	1245(36)	1374(52,53)	1413(53)
2659(GEN)	41(37)	1117(37)	1255(44)	1379(24)	1414(36)
2700(37)	67(37)	1161(51,52)	1265(52)	1382(55)	1415(14)
3161(44)	76(54)	1182(53)	1291(37)	1385(24)	1417(GEN)
2002 series	317(37)	1186(43)	1293(35)	1389(36)	1418(53)
245(GEN)	390(22)	1192(35,43)	1298(37)	1391(24)	1419(52,53)
246(GEN)	544(55)	1193(37)	1301(37)	1393(GEN)	1420(24)
383(53)	604(26,27)	1201(57)	1303(54)	1394(53)	1421(24)
2203(51)	675(37)	1212(38)	1318(56)	1395(55)	1422(53)
2354(53)	738(35)	1213(35)	1332(43)	1396(38)	
2673(GEN)	754(37)	1232(51,52)	1342(55)	1402(37)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.  
Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

#### HYDROLANT WARNINGS issued from 171200Z to 241200Z July 2003.

1373/03(52,53). STRAIT OF SICILY.

1. SURVEY OPERATIONS 17 JUL UNTIL  
FURTHER NOTICE BY M/V URANIA:

A. IN AREA BOUND BY

37-19.3N 013-24.7E, 36-07.5N 012-48.4E,  
36-10.3N 013-42.6E, 36-15.6N 014-21.5E,  
36-01.1N 015-02.8E, 36-36.8N 015-07.1E,  
36-41.3N 014-47.1E, 36-45.9N 014-27.2E,  
36-58.8N 014-19.5E.

B. ALONG TRACKLINE JOINING

36-10.0N 014-00.0E, 35-40.0N 013-10.0E,  
37-00.0N 013-40.0E, 36-20.0N 013-00.0E,  
36-50.0N 012-10.0E, 36-50.0N 012-30.0E,  
37-50.0N 011-10.0E, 38-10.0N 010-20.0E,  
38-25.0N 013-40.0E.

C. ALONG TRACKLINE JOINING

37-30.8N 012-57.7E, 37-24.4N 012-53.4E,  
37-17.5N 012-48.2E, 37-07.1N 012-40.5E,  
36-56.7N 012-32.8E.

D. ALONG TRACKLINE JOINING

37-09.0N 015-21.0E, 37-09.0N 015-44.0E,  
36-17.0N 014-19.0E, 36-23.0N 014-26.0E,  
36-35.0N 014-35.0E, 37-01.0N 014-11.0E,  
36-53.0N 014-06.0E, 36-43.0N 013-58.0E,  
36-29.0N 013-50.0E, 36-28.0N 013-20.0E,  
37-29.0N 012-21.0E, 37-37.0N 012-29.0E,  
37-43.0N 012-11.0E, 38-11.0N 013-29.0E,  
38-08.0N 013-25.0E.

WIDE BERTH REQUESTED.

2. CANCEL HYDROLANT 1316/03.

(171310Z JUL 2003)

1374/03(52,53). STRAIT OF SICILY.

CHART 52180 (14TH ED).

SCAURI LIGHT 36-46.1N 011-57.5E UNLIT.

(171338Z JUL 2003)

1375/03 thru 1378/03. CANCELED.

1379/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 250300Z JUL  
BY M/V BULLDOG TOWING 15 METER LONG CABLE  
IN AREA BOUND BY

04-40.1S 037-00.2W, 04-35.5S 037-20.2W,  
04-40.8S 037-13.2W, 04-45.4S 037-16.3W.

ONE MILE BERTH REQUESTED.

2. CANCEL THIS MSG 250400Z JUL.

(180750Z JUL 2003)

1380/03 and 1381/03. CANCELED.

## SECTION III

1382/03(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0200Z TO 1600Z DAILY  
22 THRU 25 JUL IN AREA BOUND BY  
45-06.2N 036-54.3E, 45-02.0N 037-07.1E,  
44-47.8N 037-05.4E, 44-24.4N 037-12.8E,  
44-16.4N 037-13.1E, 44-15.0N 036-52.4E,  
44-16.4N 036-32.0E, 44-24.4N 036-32.6E,  
44-47.8N 036-39.6E, 45-02.2N 036-37.8E,  
45-06.2N 036-50.6E.
2. CANCEL THIS MSG 251700Z JUL.

(181323Z JUL 2003)

1383/03 and 1384/03. CANCELED.

1385/03(24). BRAZIL-EAST COAST.

1. FIVE PERSONS REMAIN MISSING FROM F/V LALU  
IN 17-13.9S 038-59.2W AT 170100Z JUL.  
VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL HYDROLANT 1377/03.

(181717Z JUL 2003)

1386/03 thru 1388/03. CANCELED.

1389/03(36). IRISH SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY CABLESHIP WAVE SENTINEL VICINITY 53-49N 004-36W.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1352/03.

(190117Z JUL 2003)

1390/03. CANCELED.

1391/03(24). BRAZIL-NORTHEAST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 241300Z TO 242000Z JUL  
IN AREA BOUND BY  
05-54.0S 035-11.0W, 05-56.0S 035-11.0W,  
06-03.6S 034-57.2W, 05-47.0S 034-56.3W.
2. CANCEL HYDROLANT 1096/03 AND 1337/03.
3. CANCEL THIS MSG 242100Z JUL.

(190610Z JUL 2003)

1392/03. CANCELED.

1393/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 191200Z JUL 2003. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 1117(37), 1161(51,52), 1182(53), 1186(43),  
1192(35,43), 1193(37), 1201(57), 1212(38), 1213(35),  
1232(51,52), 1238(37), 1239(GEN), 1242(24), 1243(54),  
1244(53), 1245(36), 1253(55), 1255(44), 1265(52), 1291(37),  
1292(53), 1293(35), 1298(37), 1301(37), 1303(54), 1318(56),  
1332(43), 1335(56), 1342(55), 1349(36,37), 1350(GEN),  
1354(57), 1355(52), 1357(53), 1358(52), 1360(55), 1361(51,52),  
1372(53), 1373(52,53), 1374(52,53), 1376(35), 1378(35,38),  
1379(24), 1381(36), 1382(55), 1385(24), 1386(37), 1387(57),  
1388(35), 1389(36), 1391(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE  
AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.  
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS  
ARE SUMMARIZED IN NM 13/03.
3. CANCEL HYDROLANT 490/03, 563/03, 1343/03, 1392/03.

(191210Z JUL 2003)

1394/03(53). TYRRHENIAN SEA.

1. OCEANOGRAPHIC SURVEY 21 THRU 24 JUL  
BY M/V ARETUSA IN AREA BOUND BY  
38-48-37N 015-08-09E, 38-44-27N 015-16-36E,  
38-38-21N 015-11-01E, 38-42-50N 015-02-18E.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1292/03.
3. CANCEL THIS MSG 25 JUL.

(191250Z JUL 2003)

### SECTION III

NM 32/03

1395/03(55). BLACK SEA.

SEISMIC SURVEY 20 JUL UNTIL FURTHER NOTICE  
BY M/V RAMFORM CHALLENGER TOWING FIVE MILE  
LONG CABLE IN AREA BOUND BY  
41-49.1N 040-54.6E, 41-35.6N 041-16.6E,  
41-32.8N 041-26.9E, 41-22.4N 041-15.1E,  
41-16.8N 040-56.2E, 41-30.0N 040-34.3E.

(191310Z JUL 2003)

1396/03(38). NORTH ATLANTIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 240001Z TO 252359Z JUL  
WITHIN 130 MILES OF 62-50N 031-49W.  
2. CANCEL THIS MSG 260059Z JUL.

(191625Z JUL 2003)

1397/03 thru 1401/03. CANCELED.

1402/03(37). NORTH ATLANTIC.

1. DERELICT 15 METER S/V, WHITE HULL, ADRIFT  
VICINITY 46-50N 007-41W AT 201500Z JUL.  
2. CANCEL THIS MSG 27 JUL.

(201915Z JUL 2003)

1403/03 thru 1405/03. CANCELED.

1406/03(51). MOROCCO.

CHART 51013 (4TH ED).  
NAVIGATION PROHIBITED UNTIL FURTHER NOTICE  
IN AREA BOUND BY 33-33.27N 007-45.00W,  
33-36.30N 007-45.00W, 33-40.08N 007-37.00W,  
33-36.06N 007-37.00W.

(220055Z JUL 2003)

1407/03(43). NORTH SEA. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATION IN PROGRESS  
UNTIL FURTHER NOTICE IN 61-04.1N 001-25.4E.  
2. CANCEL HYDROLANT 1405/03.

(220126Z JUL 2003)

1408/03. CANCELED.

1409/03(51). NORTH ATLANTIC.

1. SEVEN METER LONG OBJECT ADRIFT IN 40-16.4N 017-10.4W.  
2. CANCEL THIS MSG 29 JUL.

(220540Z JUL 2003)

1410/03(24). URUGUAY. GUNNERY.

1. GUNNERY EXERCISES 241000Z TO 241600Z JUL IN  
AREA BETWEEN 35-00S 35-12S AND 053-48W 054-00W.  
2. CANCEL THIS MSG 241700Z JUL.

(220550Z JUL 2003)

1411/03(24). BRAZIL-SOUTHEAST COAST.

1. OCEANOGRAPHIC OPERATIONS 25 JUL BY  
M/V ANTARES IN 22-30S 039-00W.  
ONE MILE BERTH REQUESTED.  
2. CANCEL HYDROLANT 1398/03.  
3. CANCEL THIS MSG 26 JUL.

(220555Z JUL 2003)

1412/03. CANCELED.

1413/03(53). SARDEGNA-EAST COAST.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 28 JUL  
BY M/V VIRGINIA ONORATO IN AREA BETWEEN  
39-58.0N 40-01.5N AND 009-44.0E 009-44.5E.  
500 METER BERTH REQUESTED.  
2. CANCEL THIS MSG 29 JUL.

(221050Z JUL 2003)

1414/03(36). WALES-WEST COAST.

CHART 36040 (16TH ED).  
SOUTH BISHOP LIGHT 51-51.1N 005-24.6W UNRELIABLE.

(221310Z JUL 2003)

SECTION III

1415/03(14). NORTH ATLANTIC. ICE.

1. RADAR TARGET REPORTED IN 46-02.0N 047-57.0W AT 221010Z JUL.
2. CANCEL THIS MSG 29 JUL.

(222214Z JUL 2003)

1416/03. CANCELED.

1417/03(GEN).

1. THE WORLDWIDE NAVIGATION WARNING SERVICE AT NIMA HAS CHANGED ITS SIPERNET E-MAIL ADDRESS FROM NAVSAFETY@SE.NIMA.SMIL.MIL TO NAVSAFETY@NSCN.NIMA.SMIL.MIL. FOR URGENT SERVICE, CONTACT NIMA NAVSAFETY, DSN: 287 3149, COMM: 1 800 362 6289 OR 301 227 3149, E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO NIMA NAVSAFETY BETHESDA MD.
2. CANCEL THIS MSG 30 JUL.

(231420Z JUL 2003)

1418/03(53). STRAIT OF SICILY. GUNNERY.

1. GUNNERY EXERCISES 251200Z TO 251600Z JUL IN AREA BOUND BY 36-06N 013-50E, 36-30N 013-50E, 36-50N 013-00E, 36-20N 013-00E.
2. CANCEL THIS MSG 251700Z JUL.

(231810Z JUL 2003)

1419/03(52,53). EASTERN MEDITERRANEAN SEA.

1. DERELICT 30 FOOT VESSEL, GREY HULL, ADRIIFT VICINITY 35-20N 012-40E. REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL THIS MSG 30 JUL.

(231955Z JUL 2003)

1420/03(24). BRAZIL-EAST COAST.

1. DERELICT M/V GOYEN ADRIIFT VICINITY 21-11S 035-01W.
2. CANCEL THIS MSG 30 JUL.

(232107Z JUL 2003)

1421/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 250300Z JUL BY M/V THALES VENTURER TOWING 15 METER LONG CABLE IN AREA BOUND BY 23-14.2S 043-33.1W, 23-28.0S 042-46.4W, 23-49.3S 042-57.3W, 23-28.6S 043-38.5W. TEN MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1798/01(37), WRECK REMOVED.
3. CANCEL HYDROLANT 1386/03(37), OPERATIONS COMPLETED.
4. CANCEL THIS MSG 250400Z JUL.

(240520Z JUL 2003)

1422/03(53). SARDEGNA-WEST COAST.

CHART 53110 (1ST ED). OCEANOGRAPHIC BUOY 39-59.10N 007-34.20E REMOVED. OCEANOGRAPHIC BUOY, FL (2) Y 20 SEC, ESTABLISHED IN 39-53.75N 007-33.43W.

(240940Z JUL 2003)

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

Messages in force 241200Z July 2003:

2001 series 298(GEN)	2002 series 178(GEN)	339(GEN) 2003 series	166(19) 169(GEN)	182(GEN) 185(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. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

**NAVAREA XII WARNINGS issued from 171200Z to 241200Z July 2003.**

182/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 191000Z JUL 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 166(19), 169(GEN), 181(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL NAVAREA XII 178/03.

(191020Z JUL 2003)

183/03 and 184/03. CANCELED.

185/03(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 181/03.

(241010Z JUL 2003)

## SECTION III

### HYDROPACS

Messages in force 241200Z July 2003:

2001 series	100(29)	787(73)	1041(71)	1135(96)	1240(63)
1647(GEN)	167(95)	801(72)	1047(76,83)	1141(63)	1246(63)
1976(62)	197(71)	880(63)	1057(81)	1147(81)	1247(63)
2002 series	207(62)	895(62)	1063(91)	1150(63)	1248(63)
146(62)	445(96)	909(94,97)	1069(74)	1167(83)	1249(94)
205(GEN)	495(62)	932(62)	1091(61)	1171(62)	1252(GEN)
206(GEN)	496(62)	940(71)	1094(95)	1174(83)	1258(81)
207(93)	506(62)	960(63)	1095(94,95)	1175(83)	1260(63)
352(73)	515(73)	985(97)	1096(95)	1183(61)	1265(22)
403(72,73)	525(73,74)	992(62)	1097(94,95)	1187(61)	1266(73)
637(75)	570(62)	993(62)	1098(94,95)	1197(61,62)	1267(73)
828(62)	638(62)	998(71)	1099(94,95)	1198(92)	1268(83)
1765(71)	647(74)	1004(62)	1101(GEN)	1213(73)	1269(93)
2191(22)	649(71,93)	1007(76)	1105(61)	1220(62)	1270(62)
2199(63)	667(62)	1010(63)	1106(61)	1222(62)	1271(GEN)
2277(GEN)	743(62)	1018(97)	1110(61)	1226(83)	1272(81)
2330(62)	744(29)	1024(97)	1119(71)	1227(74)	1273(63)
2339(63)	760(63)	1027(81)	1124(96)	1228(63)	
2402(22)	761(63)	1031(62)	1133(71)	1230(97)	
2003 series	777(62)	1036(81)	1134(71)	1235(81)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.  
Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

#### **HYDROPAC WARNINGS issued from 171200Z to 241200Z July 2003.**

1243/03 thru 1245/03. CANCELED.

1246/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY 22 THRU 24 JUL  
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 241330Z JUL.

(180820Z JUL 2003)

1247/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 22 AND 25 JUL  
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 JUL.

(181344Z JUL 2003)

1248/03(63). INDIA-WEST COAST.

CHART 63102 (19TH ED).

NAVIGATION PROHIBITED UNTIL FURTHER NOTICE  
IN AREA BETWEEN 18-50.5N 18-53.5N  
AND 072-39.0E 072-43.5E.

(181427Z JUL 2003)

1249/03(94). FORMOSA STRAIT.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 24-12.9N 119-24.2E.  
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.

(181504Z JUL 2003)

1250/03 and 1251/03. CANCELED.

1252/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 191200Z JUL 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 985(97), 992(62), 993(62), 998(71), 1004(62),  
1007(76), 1010(63), 1018(97), 1024(97), 1027(81), 1031(62),  
1036(81), 1041(71), 1047(76,83), 1057(81), 1063(91), 1069(74),  
1091(61), 1094(95), 1095(94,95), 1096(95), 1097(94,95),  
1098(94,95), 1099(94,95), 1101(GEN), 1105(61), 1106(61),  
1110(61), 1119(71), 1124(96), 1133(71), 1134(71), 1135(96),  
1141(63), 1146(62), 1147(81), 1150(63), 1167(83), 1171(62),  
1174(83), 1175(83), 1183(61), 1187(61), 1188(81), 1191(63),  
1197(61,62), 1198(92), 1201(63), 1212(62), 1213(73), 1219(75),

## SECTION III

- 1220(62), 1222(62), 1226(83), 1227(74), 1228(63), 1230(97),  
 1231(81), 1235(81), 1239(74), 1240(63), 1242(62), 1244(81),  
 1245(83), 1246(63), 1247(63), 1248(63), 1249(94), 1251(74).  
 2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE  
 AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.  
 WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS  
 ARE SUMMARIZED IN NM 13/03.  
 3. CANCEL HYDROPAC 819/03, 952/03, 956/03, 959/03, 962/03,  
 968/03, 973/03, 982/03, 1208/03.

(191220Z JUL 2003)

1253/03 thru 1257/03. CANCELED.

1258/03(81). NORTH PACIFIC.  
 MAN OVERBOARD FROM F/V KIFUKU MARU VICINITY 18-05N 150-43E  
 BETWEEN 210310Z AND 210555Z JUL. VESSELS IN VICINITY  
 REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO JAPAN COAST GUARD.

(210820Z JUL 2003)

1259/03. CANCELED.

1260/03(63). INDIA-WEST COAST. ROCKETS.  
 1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY  
 23 AND 24 JUL WITHIN 75 MILES OF  
 08-31.9N 076-52.1E.  
 2. CANCEL THIS MSG 241700Z JUL.

(211400Z JUL 2003)

1261/03 thru 1264/03. CANCELED.

1265/03(22). CHILE. RADIO SERVICES.  
 DSC STATION TALCAHUANO 36-42S 073-06W OFF AIR.

(222231Z JUL 2003)

1266/03(73). PAPUA NEW GUINEA-SOUTHEAST COAST.  
 CHART 73601 (3RD ED).  
 LUNN ISLAND LIGHT 10-47.3S 152-00.4E UNLIT.

(230009Z JUL 2003)

1267/03(73). PAPUA NEW GUINEA-SOUTHEAST COAST.  
 CHART 73631 (4TH ED).  
 1. BOMATU POINT LIGHT 08-23.8S 151-07.2E UNLIT.  
 2. CANCEL HYDROPAC 514/03.

(230510Z JUL 2003)

1268/03(83). SOUTH PACIFIC. GUNNERY.  
 1. GUNNERY EXERCISES 232230Z TO 240300Z,  
 241900Z TO 250300Z, 251900Z TO 260300Z AND  
 261900Z TO 262230Z JUL IN AREA BOUND BY  
 17-13S 149-56W, 17-10S 149-35W,  
 16-42S 149-35W, 16-50S 149-54W.  
 2. CANCEL THIS MSG 262330Z JUL.

(230740Z JUL 2003)

1269/03(93). SOUTH CHINA SEA.  
 1. DERELICT VESSEL WAHANA ASIAADRIFT IN  
 10-52.4N 109-37.6E AT 230330Z JUL. REPORTS  
 TO SINGAPORE PORT OPERATION CONTROL CENTER.  
 2. CANCEL THIS MSG 30 JUL.

(230820Z JUL 2003)

1270/03(62). PERSIAN GULF. ORDNANCE.  
 1. UNDERWATER ORDNANCE DETONATIONS 270001Z JUL  
 TO 052359Z AUG WITHIN TWO MILES OF:  
 A. 28-00.4N 049-26.4E.  
 B. 28-00.0N 049-27.1E.  
 C. 29-33.9N 049-30.8E.  
 D. 28-16.0N 049-57.2E.  
 E. 29-37.0N 049-28.0E.  
 F. 29-31.0N 049-33.0E.  
 2. CANCEL THIS MSG 060059Z AUG.

(230950Z JUL 2003)

### **SECTION III**

**NM 32/03**

1271/03(GEN).

1. THE WORLDWIDE NAVIGATION WARNING SERVICE AT  
NIMA HAS CHANGED ITS SIPERNET E-MAIL ADDRESS FROM  
NAVSafety@SE.NIMA.SMIL.MIL TO NAVSafety@NSCN.NIMA.SMIL.MIL.  
FOR URGENT SERVICE, CONTACT NIMA NAVSAFETY, DSN: 287 3149,  
COMM: 1 800 362 6289 OR 301 227 3149, E-MAIL: NAVSafety@NIMA.MIL  
OR MSG TO NIMA NAVSAFETY BETHESDA MD.
2. CANCEL THIS MSG 30 JUL.

(231425Z JUL 2003)

1272/03(81). NORTH PACIFIC. MISSILES.

1. HAZARDOUS OPERATIONS 2200Z TO 1200Z COMMENCING  
DAILY 28 THRU 31 JUL IN AREA BOUND BY  
13-00N 144-10E, 13-00N 144-40E,  
10-00N 145-00E, 09-30N 145-00E,  
09-35N 144-00E, 10-00N 143-10E,  
11-00N 143-00E, 12-15N 143-00E.
2. CANCEL THIS MSG 011300Z AUG.

(240610Z JUL 2003)

1273/03(63). BAY OF BENGAL.

M/V JUBILEE SINKING AND CREW ABANDONING SHIP IN 17-55.75N 091-33.50E  
AT 240350Z JUL. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC PORT BLAIR,  
INMARSAT-C: 4419 08010, PHONE: 319 223 2681, FAX: 319 223 5612.

(240720Z JUL 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 24 July 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

#### **SPECIAL WARNINGS**

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

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the 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 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 24 July 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

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

U.S. Coast Pilot 8, Alaska: Dixon Entrance to Cape Spencer, Twenty-Fifth Edition, 2003, is ready for issue and may be obtained from:

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

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

The 2003 Edition cancels the preceding 2002 Edition.

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

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

**NEW EDITION OF SAILING DIRECTIONS**

Pub. 192, Sailing Directions (Enroute) North Sea, Eighth Edition, 2003, is ready for issue. This publication has been corrected to 23 March 2003, including Notice to Mariners No. 12 of 2003.

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

NIMA nautical publications as produced in digital format are more robust, expansive and customer friendly than the printed versions. Customers can expect access to data links between publication data sets, video streams, links to other websites, timely up-to-date information and current state of the art graphics, photos and commercial imagery.

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

Customers requiring paper versions of NIMA products may purchase them through the U.S. Government Printing Office (GPO) Superintendent of Documents. The NIMA point of contact for this effort is Mr. Adam Veracka (301)227-3173.

## 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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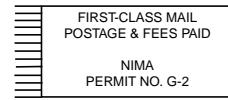
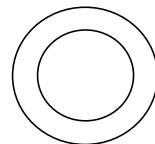
www.nature.com/scientificreports/

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

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

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

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

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

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

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

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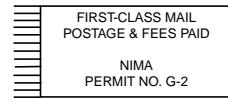
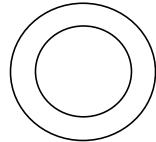
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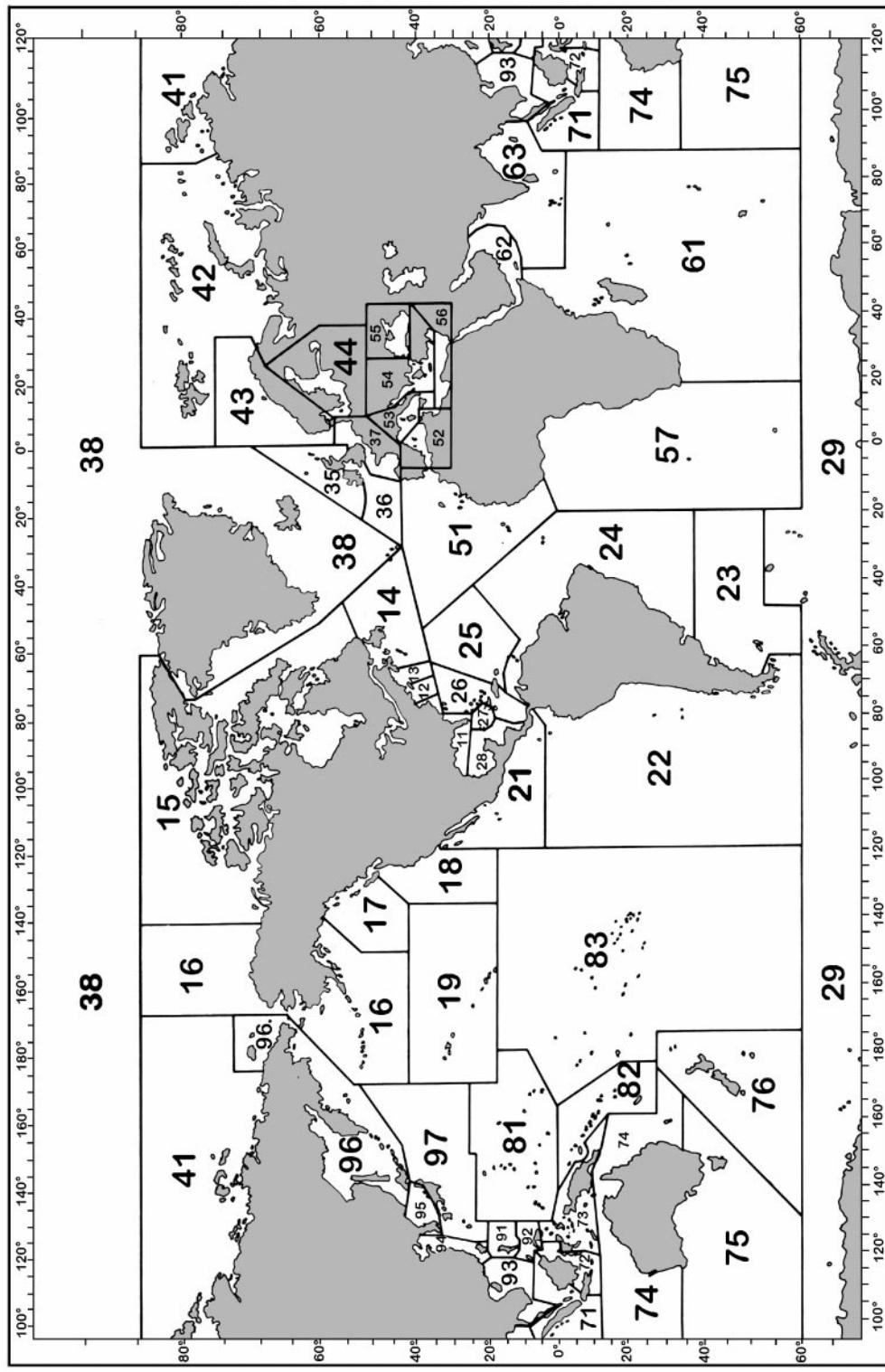
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**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL IMAGERY AND MAPPING AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**



## GEOGRAPHIC LOCATOR



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

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

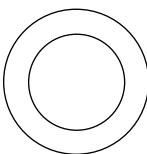
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

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**IMPORTANT  
NAVIGATIONAL INFORMATION  
TIME-DATED**



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**