



No. 19  
10 MAY 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 via the NIMA Homepage ([www.nima.mil](http://www.nima.mil)) under the Safety of Navigation link or directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nima.mil](mailto:NavNotices@nima.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nima.mil](mailto:SDPUBS@nima.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nima.mil](mailto:webmaster_nss@nima.mil).

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

**Cover Photo:** The **USS HUE CITY (CG-66)** the first United States Ship to bear this name and only ship named after a battle in the Vietnam War, is the twentieth in the **TICONDEROGA** class of Aegis guided missile cruisers and the fourteenth to be built by Ingalls Shipbuilding in Pascagoula, Mississippi. Her mission is to conduct prompt and sustained combat operations at sea in support of a carrier battle group or amphibious assault group. **HUE CITY** was designed to defend against coordinated saturation attacks involving enemy surface ships, submarines, aircraft and missiles. Additionally, **HUE CITY** is able to engage in offensive actions against the enemy through employment of long-range anti-ship missiles, land attack missiles and gunfire. Commissioned 14 September 1991, the **HUE CITY** has a displacement of 9600 tons fully loaded, is 567 feet long, has a beam of 55 feet and a draft of 34 feet. She carries a crew of 340 Sailors, 27 Chief Petty Officers and 33 Officers. The homeport of the **USS HUE CITY** is Mayport, Florida.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 19/03**

# HYDROGRAM

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

SPECIAL  
ANNOUNCEMENTS  
\_\_\_\_\_

NEW PRODUCTS  
OR SERVICES  
\_\_\_\_\_

IMPORTANT  
CHANGES

**10 May 2003**

## NEW EDITION OF SAILING DIRECTIONS

PUB. 125, SAILING DIRECTIONS (ENROUTE) WEST COAST OF SOUTH AMERICA, SEVENTH 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**

<b>★411</b>	49Ed. 3/03 NEW EDITION	19/03	<b>11317</b>	29Ed. 2/16/02 LAST NM 16/03	19/03
Relocate	Superbuoy ODAS "42041" from 27°30'N 90°30'W to (Previously published 14/03)	27°30'N 90°28'W	Change	Range light, front to Fl 2.5s 22ft (Day), Fl 2.5s 24ft (Night), Fl 2.5s 26ft (Supersedes 40/02-11317)	28°26'34"N 96°20'42"W
Delete	Superbuoy ODAS "42041" Superbuoy ODAS "42003" Superbuoy ODAS "42002"	27°13'N 90°26'W 25°24'N 85°58'W 25°53'N 93°33'W	<b>11319</b>	31Ed. 2/03 LAST NM 17/03 <b>(Side B)</b>	19/03
Add	Danger circle "Obstn" [K40] (NOS; 22, 37/02 CG8; NTM0010/2003)	32°34'N 79°28'W	Change	Light to Fl 10s 57ft 14M, Oc 4s 50ft (USCG LL)	28°25'19.2"N 96°19'05.8"W
<b>623</b>	9Ed. 8/31/96 LAST NM 47/02	19/03	<b>★11322</b>	28Ed. 3/03 NEW EDITION (NOS)	19/03
Delete	R Bn (AERO) (BA RA)	34°57'S 138°33'E	<b>★11327</b>	30Ed. 5/26/01 LAST NM 16/03	19/03
<b>709</b> (INT 709)	2Ed. 2/10/96 LAST NM 50/02	19/03	Change	Height of light "76" to 17ft (4/03 CG8)	29°36'26.3"N 94°57'05.2"W
Delete	R Bn (AERO) R Bn (AERO) (BA RA)	34°57'S 138°33'E 39°52'S 143°53'E	<b>★11330</b>	14Ed. 11/02 LAST NM 17/03	19/03
<b>1115A</b>	Ed. 10/02 LAST NM 8/03	19/03	Add	Danger circle "Obstn (Fish haven) (cov 50ft)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°53.5'N 94°41.7'W
Relocate	Buoy (mooring) "A" from 29°06.5'N 88°51.2'W to and change characteristic to Q (3/03 CG8)	29°07.0'N 88°51.5'W	Note: Platform remains	Danger circle "Obstn (Fish haven) (cov 50ft)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°52.1'N 94°41.9'W
<b>1116A</b>	Ed. 11/02 LAST NM 18/03	19/03	Note: Platform remains	Danger circle "Obstn (Fish haven) (cov 8 1/4 fms)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°53.5'N 94°41.7'W
Add	Submerged well (cov 13fms) [L20] marked by buoy R, QR (Priv)	28°58.7'N 92°31.0'W	<b>11331</b>	18Ed. 8/25/01 LAST NM 8/03 <b>(Side A)</b>	19/03
	Danger circle "Obstn (Fish haven) (cov 8 1/4 fms)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°53.5'N 94°41.7'W	Change	Height of light "8" to 17ft (See 23/02-11331)	30°01'04.8"N 93°44'51.4"W
	Note: Platform remains		<b>11332</b>	28Ed. 8/02 LAST NM 17/03	19/03
	Danger circle "Obstn (Fish haven) (cov 8 1/4 fms)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°52.1'N 94°41.9'W	Delete	Platform (4/03 CG8)	29°32'08"N 93°36'24"W
	Note: Platform remains		<b>★11340</b>	67Ed. 11/02 LAST NM 18/03	19/03
<b>1117A</b>	Ed. 4/6/02 LAST NM 8/03	19/03	Add	Submerged well (cov 13fms) [L20] marked by buoy R, QR (Priv)	28°58.7'N 92°31.0'W
Add	Danger circle "Obstn (Fish haven) (cov 8 1/4 fms)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°53.5'N 94°41.7'W	Note: Platform remains	Danger circle "Obstn (Fish haven) (cov 8 1/4 fms)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°53.5'N 94°41.7'W
	Note: Platform remains		<b>★11343</b>	36Ed. 9/15/01 LAST NM 17/03	19/03
	Danger circle "Obstn (Fish haven) (cov 8 1/4 fms)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°52.1'N 94°41.9'W	Change	Height of light "42" to 35ft (See 23/02-11343)	30°01'28.9"N 94°01'41.5"W
	Note: Platform remains			Height of light "8" to 17ft	30°01'04.8"N 93°44'51.4"W
<b>11006</b>	30Ed. 4/20/02 LAST NM 6/03	19/03	<b>★11344</b>	35Ed. 12/02 LAST NM 9/03	19/03
Relocate	Buoy (mooring) "A" from 29°06.0'N 88°51.3'W to and change characteristic to Q (3/03 CG8)	29°07.0'N 88°51.5'W	Add	Platform [L10] (4/03 CG8)	29°37'43"N 92°54'07"W
<b>11009</b>	36Ed. 10/20/01 LAST NM 12/03	19/03	<b>★11347</b>	33Ed. 7/02 LAST NM 8/03 <b>(Side B, Inset 1)</b>	19/03
Add	Obstruction "(Fish Haven) (auth min 11fms)" [K46.2] bound by dotted line joining 32°35.3'N 79°28.6'W 32°35.3'N 79°27.0'W 32°33.8'N 79°27.0'W 32°33.8'N 79°28.6'W (NOS)	32°35.3'N 79°28.6'W 32°35.3'N 79°27.0'W 32°33.8'N 79°27.0'W 32°33.8'N 79°28.6'W	Change	Period of light "103" to 2.5s (4/03 CG8)	30°07'52.1"N 93°19'52.8"W
<b>11300</b>	38Ed. 4/6/02 LAST NM 8/03	19/03	<b>★11356</b>	34Ed. 8/4/01 LAST NM 7/03	19/03
Add	Danger circle "Obstn (Fish haven) (cov 8 1/4 fms)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°53.5'N 94°41.7'W	Delete	Buoy (Note: Platform close E remains)	28°48'23"N 90°55'49"W
	Note: Platform remains		Add	Platform [L10] (4/03 CG8)	28°52'56"N 90°50'54"W
	Danger circle "Obstn (Fish haven) (cov 8 1/4 fms)" [K46.2] marked by buoy Y, Fl Y 6s (Priv)	28°52.1'N 94°41.9'W			
	Note: Platform remains				
	(4/03 CG8)				

## SECTION I

<b>11357</b>	35Ed. 6/02 LAST NM 9/03 Add Platform [L10] (4/03 CG8)	19/03 28°52'56"N 90°50'54"W	<b>11374</b>	31Ed. 8/02 LAST NM 9/03 <b>(Side A)</b> Change Visibility (range) of light to 5M (4/03 CG8)	19/03 30°15'33.7"N 88°25'40.1"W
<b>11360</b>	40Ed. 10/02 LAST NM 8/03 Relocate Buoy (mooring) "A" from 29°06.5'N 88°51.2'W to and change characteristic to Q (3/03 CG8)	19/03 29°07.0'N 88°51.5'W	<b>★11376</b>	48Ed. 12/1/01 LAST NM 7/03 Add Stranded wreck [K24] (PA) (4/03 CG8)	19/03 30°31'50"N 88°06'18"W
<b>★11361</b>	69Ed. 1/5/02 LAST NM 6/03 Relocate Buoy (mooring) "A" from 29°06'30"N 88°51'11"W to and change characteristic to Q Change Light to "6A" Fl R 6s 25ft 4M <b>(Inset Head of Passes)</b> Change Visibility (range) of light "15" to 4M (3/03 CG8)	19/03 29°07'02"N 88°51'30"W 29°14'26"N 89°17'52"W 29°08'28.4"N 89°15'00.0"W	<b>11404</b>	21Ed. 6/16/01 LAST NM 9/03 <b>(Side A)</b> Change Bn to RW Bn to GW (4/03 CG8)	19/03 29°48'57.5"N 84°39'23.0"W 29°49'32.5"N 84°39'07.3"W
<b>11362</b>	4Ed. 6/10/00 LAST NM N8/03 Relocate Buoy (mooring) "A" from 29°06.5'N 88°51.1'W to and change characteristic to Q (3/03 CG8)	N19/03 29°07.0'N 88°51.5'W	<b>★11405</b>	28Ed. 4/02 LAST NM 9/03 Change Bn to RW Bn to GW (4/03 CG8)	19/03 29°48'58"N 84°39'24"W 29°49'36"N 84°39'06"W
<b>★11363</b>	38Ed. 3/30/02 LAST NM 18/03 Change Height of light "45" to 17ft (4/03 CG8)	19/03 29°36'21"N 89°17'11"W	<b>★11478</b>	19Ed. 4/14/01 LAST NM 6/03 Change Legend to "39 FT NOV 2002" Legend to "30 FT NOV 2002" Legend to "EAST BASIN 37 1/2 FT NOV 2002 (PROJECT DEPTH 41FT)" (See 31/02, 6/03-11478) Add Tabulation of controlling depths from Subsection I-2 (NOS)	19/03 28°24'31.0"N 80°34'32.0"W 28°24'32.0"N 80°35'51.5"W 28°25'06.0"N 80°35'44.0"W
<b>★11364</b>	39Ed. 11/02 LAST NM 18/03 Change Visibility (range) of light "20A" to 6M 29°21'48"N 89°27'40"W Visibility (range) of light "21A" to 6M 29°20'24"N 89°28'55"W Visibility (range) of light "34" to 6M 29°27'22"N 89°36'32"W Period of light "MRGO" from 4s to 6s 30°00'27"N 89°55'18"W (3, 4/03 CG8)	19/03 29°21'48"N 89°27'40"W 29°20'24"N 89°28'55"W 29°27'22"N 89°36'32"W 30°00'27"N 89°55'18"W	<b>11480</b>	37Ed. 10/21/00 LAST NM 17/03 Add Obstruction "(Fish Haven) (auth min 11fms)" [K46.2] bound by dotted line joining 32°35.3'N 79°28.6'W 32°35.3'N 79°27.0'W 32°33.8'N 79°27.0'W 32°33.8'N 79°28.6'W (NOS)	19/03 28°24'30.0"N 80°34'31.0"W 28°24'32.0"N 80°35'50.0"W Legend to "EAST BASIN 37 1/2 FT NOV 2002 (PROJ DEP 41FT)" (See 6/03-11481) Add Tabulation of controlling depths from Subsection I-2 (NOS)
<b>11366</b>	7Ed. 9/02 LAST NM 8/03 Relocate Buoy (mooring) "A" from 29°06.5'N 88°51.2'W to and change characteristic to Q (3/03 CG8)	19/03 29°07.0'N 88°51.5'W	<b>11481</b>	4Ed. 8/02 LAST NM 13/03 Change Legend to "39 FT NOV 2002" Legend to "30 FT NOV 2002" Legend to "EAST BASIN 37 1/2 FT NOV 2002 (PROJ DEP 41FT)" (See 6/03-11481) Add Tabulation of controlling depths from Subsection I-2 (NOS)	19/03 28°24'30.0"N 80°34'31.0"W 28°24'32.0"N 80°35'50.0"W 28°25'06.0"N 80°35'44.0"W
<b>11367</b>	31Ed. 5/26/01 LAST NM 33/02 <b>(Side B)</b> Change Period of light "MRGO" to 6s 30°00'27.6"N 89°55'18.0"W Visibility (range) of light "102" to 3M 29°55'02.4"N 90°08'05.1"W (3/03 CG8)	19/03 30°00'27.6"N 89°55'18.0"W 29°55'02.4"N 90°08'05.1"W	<b>11496</b>	9Ed. 8/22/98 LAST NM N17/03 Add Obstruction "(Fish Haven) (auth min 11fms)" [K46.2] bound by dotted line joining 32°35.3'N 79°28.6'W 32°35.3'N 79°27.0'W 32°33.8'N 79°27.0'W 32°33.8'N 79°28.6'W (NOS)	N19/03 32°35.3'N 79°28.6'W 32°35.3'N 79°27.0'W 32°33.8'N 79°27.0'W 32°33.8'N 79°28.6'W
<b>★11368</b>	22Ed. 7/02 LAST NM 38/02 Change Light to "102" QR 25ft 3M (3/03 CG8)	19/03 29°55'02.4"N 90°08'05.1"W	<b>★11506</b>	40Ed. 1/03 LAST NM 10/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	19/03
<b>11369</b>	44Ed. 12/02 LAST NM 18/03 Change Period of light "MRGO" from 4s to 6s 30°00'28"N 89°55'18"W (3/03 CG8)	19/03 30°00'28"N 89°55'18"W	<b>11518</b>	33Ed. 1/03 LAST NM 14/03 <b>(Side A)</b> Substitute Double dashed line with land tint (bridge under construction) for double solid line and land tint between 32°48'19"N 79°55'16"W 32°48'10"N 79°54'20"W Change Legend to "46 FT FEB 2003" 32°47'33"N 79°55'18"W Add Depth 30 feet 32°45'52"N 79°53'09"W Legend "Bridge under construction (See note)" 32°48'16"N 79°54'00"W	19/03 32°47'33"N 79°55'18"W 32°45'52"N 79°53'09"W 32°48'16"N 79°54'00"W
<b>11372</b>	30Ed. 11/02 LAST NM 10/03 <b>(Side A)</b> Change Visibility (range) of light "41" to 3M 30°16'31"N 89°01'14"W (3/03 CG8)	19/03 30°16'31"N 89°01'14"W			
<b>★11373</b>	42Ed. 6/02 LAST NM 9/03 Change Visibility (range) of light to 5M 30°15'35"N 88°25'40"W Visibility (range) of light "41" to 3M 30°16'31"N 89°01'13"W (3, 4/03 CG8)	19/03 30°15'35"N 88°25'40"W 30°16'31"N 89°01'13"W			(continued on next page)

## SECTION I

**NM 19/03**

<b>11518</b>	(Continued)			
	Caution note			
	“Caution			
	Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.”	32°48'29"N 79°52'43"W		
	Double dashed line with land tint (bridge) and legend “FIXED BRIDGE UNDER CONSTRUCTION (See note)” between	32°48'14"N 79°55'20"W 32°48'05"N 79°54'19"W		
	Purple tint (construction area) 434 yards wide on centerline between	32°48'16"N 79°55'17"W 32°48'08"N 79°55'21"W		
(NOS)				
<b>★11520</b>	40Ed. 6/02 LAST NM 8/03	19/03		
Add	Obstruction “(Fish Haven) (auth min 11fms)” [K46.2] bound by dotted line joining	32°35.3'N 79°28.6'W 32°35.3'N 79°27.0'W 32°33.8'N 79°27.0'W 32°33.8'N 79°28.6'W		
(NOS)				
<b>11521</b>	26Ed. 2/2/02 LAST NM 9/03	19/03		
Add	Tabulation of controlling depths from Subsection I-2			
(NOS)				
<b>11523</b>	21Ed. 2/2/02 LAST NM 9/03	19/03		
Substitute	Depth 30 feet for 34 feet	32°45'51.6"N 79°53'08.5"W		
Add	Tabulation of controlling depths from Subsection I-2			
(NOS)				
<b>★11524</b>	46Ed. 12/02 LAST NM 17/03	19/03		
Substitute	Depth 30 feet for 34 feet	32°45'51.6"N 79°53'08.5"W		
	Double dashed line with land tint (bridge under construction) for double solid line and land tint between	32°48'18.6"N 79°55'16.0"W 32°48'10.0"N 79°54'20.2"W		
Change	Legend to “46 FT FEB 2003”	32°47'32.0"N 79°55'14.0"W		
	Legend to “FIXED BRIDGE (MAIN SPAN) HOR CL 700 FT VERT CL 135 FT VERT CL 150 FT FOR CENTER 300 FT”	32°48'12.0"N 79°54'07.0"W		
Add	Legend “Bridge under construction (See note)”	32°48'18.8"N 79°54'04.0"W		
	Caution note			
	“Caution			
	Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.”	32°47'41.0"N 79°54'00.0"W		
	Double dashed line with land tint (bridge) and legend “FIXED BRIDGE UNDER CONSTRUCTION (See note)” between	32°48'18.1"N 79°55'59.9"W 32°48'17.8"N 79°55'46.4"W		
	Double dashed line with land tint (bridge) and legend “FIXED BRIDGE UNDER CONSTRUCTION (See note)” between	32°48'13.5"N 79°55'19.6"W 32°48'04.8"N 79°54'19.3"W		
	Purple tint (construction area) 334 yards wide on above double dashed line	32°48'17.2"N 79°55'53.0"W		
	Purple tint (construction area) 434 yards wide on centerline between	32°48'16.3"N 79°55'17.0"W 32°48'08.1"N 79°55'21.2"W		
	Tabulation of controlling depths from Subsection I-2			
(NOS)				
<b>12214</b>	44Ed. 2/03 LAST NM 14/03	19/03		
Delete	GONG from buoy “5”	(14/03 CG5)	38°46'35"N 75°03'34"W	
<b>★12216</b>	27Ed. 9/02 LAST NM 47/02	19/03		
Delete	GONG from buoy “5”	(14/03 CG5)	38°46'36"N 75°03'33"W	
<b>12221</b>	73Ed. 10/02 LAST NM 18/03	19/03		
Relocate	Light “14” from 37°10'08"N 76°23'33"W to 37°10'13"N 76°23'35"W	(14/03 CG5)		
<b>★12238</b>	37Ed. 9/02 LAST NM 7/03	19/03		
Relocate	Light “14” from 37°10'08"N 76°23'34"W to 37°10'13"N 76°23'35"W	(14/03 CG5)		
<b>12273</b>	53Ed. 4/13/02 LAST NM 17/03	19/03		
Add	Tabulation of controlling depths from Subsection I-2			
(NOS)				
<b>★12278</b>	72Ed. 4/20/02 LAST NM 45/02	19/03		
Add	Tabulation (2) of controlling depths from Subsection I-2			
(NOS)				
<b>★12281</b>	49Ed. 5/13/00 LAST NM 12/03	19/03		
Add	Tabulation (2) of controlling depths from Subsection I-2			
(NOS)				
<b>12282</b>	33Ed. 6/1/02 LAST NM 18/03	19/03		
Add	Tabulation of controlling depths from Subsection I-2			
(NOS)				
<b>12285</b>	35Ed. 1/03 LAST NM 14/03	19/03		
(Page E)				
Relocate	Light “IFM” from 38°49'00"N 77°02'11"W to 38°48'57"N 77°02'11"W	(14/03 CG5)		
<b>★12289</b>	48Ed. 1/03 LAST NM 10/03	19/03		
Relocate	Light “1FM” from 38°49'00"N 77°02'11"W to 38°48'57"N 77°02'11"W	(14/03 CG5)		
<b>★12300</b>	43Ed. 3/03 NEW EDITION	19/03		
Change	Light to Fl 2.5s 33ft 6M	(Previously published 17/03)	40°34.4'N 73°34.5'W	
Change	Buoy to “NB” RW, ball topmark, Mo(A) WHIS Racon (-•••)		41°22.9'N 71°23.3'W	
	Designation of buoy “BB-44018” to “44018”		41°15.5'N 69°17.5'W	
Add	Danger circle [K40] “Obstn” (PA)		41°10.1'N 71°12.9'W	
(NOS; 24, 32, 48/02 CG1)				
<b>12304</b>	42Ed. 4/27/02 LAST NM 52/02	19/03		
Delete	GONG from buoy “5”	(14/03 CG5)	38°46'38"N 75°03'34"W	
<b>★12326</b>	48Ed. 4/21/01 LAST NM 17/03	19/03		
Add	“Obstructions (see note N)” area bound by purple dashed line joining		40°24'36"N 73°53'42"W 40°24'36"N 73°49'12"W 40°21'30"N 73°49'12"W 40°21'30"N 73°53'42"W	
			(continued on next page)	

<b>12326</b>	(Continued)		59°55'52"N 149°24'29"W 59°49'59"N 149°28'09"W 59°31'41"N 149°14'41"W
Note "NOTE N Subsurface hydroacoustic arrays and fish pots located within dashed area. Arrays are 22 feet in length, secured to bottom by concrete moorings. Occasional pop-up buoys may be present as arrays are released for retrieval."			
		40°18'30"N 74°02'30"W	
(14/03 CG5)			
<b>12327</b>	96Ed. 11/02 LAST NM 18/03	19/03	
Relocate	Buoy "6" from 40°40'32"N 74°03'36"W to 40°40'30"N 74°03'32"W (See 16/03-12327)		
Add	"Obstructions (see note N)" area bound by purple dashed line joining 40°24'36"N 73°53'42"W 40°24'36"N 73°53'34"W 40°23'38"N 73°53'34"W 40°23'38"N 73°53'42"W		
	Note: Area extends beyond chart borders		
	Note "NOTE N Subsurface hydroacoustic arrays and fish pots located within dashed area. Arrays are 22 feet in length, secured to bottom by concrete moorings. Occasional pop-up buoys may be present as arrays are released for retrieval."		
	40°18'30"N 74°02'30"W		
(14/03 CG1; 14/03 CG5)			
<b>★12334</b>	65Ed. 1/03 LAST NM 16/03	19/03	
Relocate	Buoy "6" from 40°40'31.5"N 74°03'35.6"W to 40°40'30.4"N 74°03'31.8"W (See 16/03-12334)		
(14/03 CG1)			
<b>13229</b>	27Ed. 7/28/01 LAST NM 7/03 (Page G)	19/03	
Relocate	Buoy "ER" from 41°40'28"N 70°38'46"W to 41°40'29"N 70°38'43"W (14/03 CG1)		
<b>13230</b>	46Ed. 11/02 LAST NM 7/03	19/03	
Relocate	Buoy "ER" from 41°40'28"N 70°38'46"W to 41°40'29"N 70°38'43"W (14/03 CG1)		
<b>★13236</b>	29Ed. 11/6/99 LAST NM 7/03	19/03	
Relocate	Buoy "ER" from 41°40'27.9"N 70°38'45.3"W to 41°40'28.7"N 70°38'42.8"W (14/03 CG1)		
<b>13396</b>	4Ed. 12/8/01 LAST NM 9/03	19/03	
Change	Designation of buoy "1" to "3" 44°50'34.7"N 66°58'36.3"W (14/03 CG1)		
<b>★14852</b>	45Ed. 2/03 NEW EDITION (NOS)	19/03	
<b>★16682</b>	15Ed. 11/02 LAST NM 17/03	19/03	
Delete	Submarine cable joining 60°07'22"N 149°25'21"W 59°59'58"N 149°21'54"W 59°58'48"N 149°20'56"W 59°57'49"N 149°21'02"W 59°55'54"N 149°24'30"W 59°50'00"N 149°28'11"W 59°32'31"N 149°14'48"W (Cancels 17/03-16682)		
Add	Submarine cable [L30.1] joining 60°07'28"N 149°25'20"W 60°06'32"N 149°24'43"W 60°06'21"N 149°24'43"W 60°04'59"N 149°23'59"W 60°04'10"N 149°22'58"W 60°04'03"N 149°22'54"W 60°02'21"N 149°21'56"W 60°01'44"N 149°21'57"W 59°59'57"N 149°21'56"W 59°58'51"N 149°20'55"W 59°57'52"N 149°21'02"W		
	(Inset) Delete Submarine cable joining 60°07'22.2"N 149°25'20.7"W 60°06'47.8"N 149°24'37.0"W 60°06'22.9"N 149°24'41.5"W 60°05'37.3"N 149°24'18.7"W		
	Add Submarine cable [L30.1] joining 60°07'27.5"N 149°25'19.6"W 60°06'31.5"N 149°24'42.6"W 60°06'21.2"N 149°24'43.3"W 60°05'37.4"N 149°24'19.5"W (NOS)		
<b>18427</b>	21Ed. 6/1/02 LAST NM 7/03	19/03	
Change	Characteristic of buoy "4" to Fl R 4s 48°26'50.3"N 122°42'25.0"W (6/03 CG13)		
<b>★18446</b>	15Ed. 4/18/98 LAST NM 18/03	19/03	
Add	Buoy "A" W Or (Priv) Buoy "B" W Or (Priv) Buoy "C" W Or (Priv) Buoy "D" W Or (Priv) (6/03 CG13)		
<b>★18458</b>	15Ed. 3/03 NEW EDITION (NOS)	19/03	
<b>18473</b>	7Ed. 12/02 LAST NM 18/03	19/03	
Add	Buoy "A" W Or (Priv) Buoy "B" W Or (Priv) Buoy "C" W Or (Priv) Buoy "D" W Or (Priv) (6/03 CG13)		
<b>★18504</b>	65Ed. 3/03 NEW EDITION (NOS)	19/03	
<b>★18656</b>	53Ed. 3/03 NEW EDITION Relocate Light "5" from 38°03'56"N 121°50'05"W to 38°03'56"N 121°50'08"W Light "7" from 38°03'41"N 121°48'32"W to 38°03'44"N 121°48'32"W (Previously published 16/03) (NOS)	19/03	
<b>22032</b>	20Ed. 9/27/97 LAST NM 46/01 Delete "CAUTION NO 1" area in vicinity	19/03	
Change	Caution No. 1 of CAUTIONS note to "1. Reserved." (6/93)02 Valparaiso		
<b>22331</b>	2Ed. 2/29/88 LAST NM N10/03 Delete "ZONA...SUBMARINO" area in vicinity (6/92)02 Valparaiso	N19/03	
<b>22335</b>	4Ed. 7/19/97 LAST NM 30/01 Delete "SUBMARINE EXERCISE AREA" in vicinity (6/92)02 Valparaiso	19/03	
<b>22352</b>	6Ed. 2/1/97 LAST NM 12/03 Delete "SUBMARINE EXERCISE AREA" in vicinity (6/92)02 Valparaiso	19/03	
<b>22360</b>	2Ed. 11/29/97 LAST NM 30/01 Delete "SUBMARINE...NOTE" area in vicinity (6/92)02 Valparaiso	19/03	
	SUBMARINE EXERCISE AREA note 43°43.0'S 72°40.0'W (6/92)02 Valparaiso		

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NM 19/03

<b>22370</b>	2Ed. 12/6/97 LAST NM 15/03 Delete Legend "SUBMARINE EXERCISE AREA" (6/92)02 Valparaiso)	19/03 43°36.8'S 73°34.0'W	<b>37141</b>	29Ed. 10/21/95 LAST NM 17/03 Add Dangerous wreck [K28] (14/1576)03 Taunton)	19/03 51°24'34"N 1°19'53"E Buoy BYB, pillar, double cone topmark bases together, VQ(3)5s [Q130.3] 51°24'34"N 1°19'56"E
<b>22395</b>	2Ed. 2/28/98 LAST NM 15/03 Add Obscured sector 080°-245° to light (6/96)02 Valparaiso)	19/03 49°14.0'S 75°29.0'W	<b>37147</b>	15Ed. 2/15/97 LAST NM 17/03 Relocate Buoy "Barrow 7" from 51°37'47"N to 51°37'29"N (14/1577)03 Taunton)	19/03 1°13'46"E 51°37'29"N 1°13'28"E
<b>22410</b>	32Ed. 7/19/97 LAST NM 46/02 Change Visibility (range) of light to 10M (6/97)02 Valparaiso)	19/03 52°46.5'S 70°25.8'W	<b>37150</b>	8Ed. 12/20/97 LAST NM 14/03 Delete Tower symbol (14/1579, 1580)03 Taunton)	19/03 52°36'16"N 1°44'08"E Change Visibility (range) of light to 21M 52°55'30"N 1°19'06"E
<b>22418</b>	2Ed. 10/25/97 LAST NM 46/02 Add Beacon R, Fl R 5s 25m 6M Beacon YBY, Q(9) 15s 12m 6M with obscured sectors 051°-177°, 007°-019° (5/78, 79)02 Valparaiso)	19/03 55°03.0'S 70°12.3'W 55°06.8'S 70°14.4'W	<b>37161</b>	14Ed. 3/15/97 LAST NM 14/03 Delete Tower symbol and legend "Tower (39)" (14/1579)03 Taunton)	19/03 52°36'16"N 1°44'08"E
<b>22420</b>	2Ed. 7/26/97 LAST NM 15/03 Delete "SUBMARINE EXERCISE AREA" in vicinity (6/93)02 Valparaiso)	19/03 52°35.0'S 75°25.0'W	<b>37166</b>	2Ed. 7/13/96 LAST NM 14/03 Change Visibility (range) of light to 21M (14/1580)03 Taunton)	19/03 52°55.5'N 1°19.1'E
<b>22429</b>	Ed. 1/1/73 LAST NM N17/03 Add Beacon R, Fl R 5s 25m 6M Beacon YBY, Q(9) 15s 12m 6M with obscured sectors 051°-177°, 007°-019° (5/78, 79)02 Valparaiso)	N19/03 55°03.0'S 70°12.3'W 55°06.8'S 70°14.4'W	<b>37170</b>	11Ed. 11/23/96 LAST NM 14/03 Change Visibility (range) of light to 21M (14/1580)03 Taunton)	19/03 52°55'30"N 1°19'06"E
<b>22430</b>	6Ed. 4/11/98 LAST NM 44/01 Add Beacon GW, can topmark, Fl G 5s 30m 4M with obscured sector 155°-345° (5/80)02 Valparaiso)	19/03 55°52.7'S 67°10.6'W	<b>42760</b>	5Ed. 8/19/95 LAST NM 8/03 Add Position circle "MAST" (51/7947)02 St. Petersburg)	19/03 69°04.0'N 33°27.9'E
<b>22440</b>	1Ed. 12/7/85 LAST NM 38/99 Change Current rate to "3.5 Ns" (15/139)02 Buenos Aires)	19/03 54°41.8'S 64°41.1'W	<b>44030</b>	7Ed. 6/14/97 LAST NM 13/03 Delete Submarine cable between (27/636)00 Norrkoping; Swd CH 5121)	19/03 63°39.3'N 20°23.5'E 63°36.9'N 20°25.2'E
<b>22481</b>	35Ed. 11/29/97 LAST NM 44/02 Change Visibility (range) of light to 10M (6/97)02 Valparaiso)	19/03 52°46.5'S 70°25.8'W	<b>44042</b>	7Ed. 8/22/92 LAST NM 17/03 Add Legend "10 m" Legend "9.5 m" Dashed line joining (25/610)00 Norrkoping)	19/03 57°42'24.0"N 11°56'32.0"E 57°42'14.0"N 11°56'36.0"E 57°42'09.5"N 11°56'42.0"E 57°42'18.0"N 11°56'34.0"E 57°42'20.0"N 11°56'37.0"E
<b>24052</b>	15Ed. 9/13/97 LAST NM 14/03 Add Radar station [S1] "Ra" (15/135)02 Buenos Aires)	19/03 34°34'44"S 58°22'13"W	<b>44120</b>	7Ed. 2/22/97 LAST NM 15/03 Add Buoy BYB, spar, double cone topmark bases together (26/621)00 Norrkoping)	19/03 55°57.1'N 15°45.9'E
<b>24053</b>	16Ed. 4/8/95 LAST NM 24/02 Add Radar station [S1] "Ra" (15/135)02 Buenos Aires)	19/03 34°34'44"S 58°22'13"W	<b>44140</b>	8Ed. 7/20/96 LAST NM 6/03 Add Dashed line "Nature Reserve (marked by buoys)" joining (21/519)00 Norrkoping)	19/03 56°30.5'N 16°11.2'E 56°28.1'N 16°12.0'E 56°27.8'N 16°09.0'E
<b>24055</b>	6Ed. 10/4/97 LAST NM 14/03 Add Radar station [S1] "Ra" to position circle "ANT" (15/135)02 Buenos Aires)	19/03 35°01.4'S 57°32.0'W	<b>44183</b>	6Ed. 4/19/97 LAST NM 10/03 Add Legend "See Note" Note "NOTE Vessels less than 12 meters in length or 4 meters in beam, shall use the eastern channel when passing the citadel-Vaxholms fastning." (27/642)00 Norrkoping)	19/03 59°24'12"N 18°21'30"E 59°24'45"N 18°16'00"E
<b>24058</b>	2Ed. 11/20/93 LAST NM 38/02 Add Radar station [S1] "Ra" (See 37/02-24058) (15/135)02 Buenos Aires)	19/03 34°11'06"S 58°15'12"W	<b>44205</b>	2Ed. 4/9/94 LAST NM 15/03 Delete Rock awash Relocate Buoy from 60°45'28.8"N 17°25'20.2"E to 60°45'29.8"N 17°25'20.4"E (continued on next page)	19/03 60°40'52.3"N 17°12'48.0"E 60°45'29.8"N 17°25'20.4"E
<b>37010</b>	23Ed. 9/7/96 LAST NM 15/03 Change Visibility (range) of light to 21M (14/1580)03 Taunton)	19/03 52°55.5'N 1°19.1'E			
<b>37122</b>	12Ed. 5/17/97 LAST NM 48/02 Add Dangerous wreck [K28] Buoy BYB, pillar, double cone topmark bases together, VQ(3)5s [Q130.3] (14/1576)03 Taunton)	19/03 51°24'34"N 1°19'53"E 51°24'34"N 1°19'56"E			

## SECTION I

<b>44205</b>	(Continued)	Buoy from 60°45'20.8"N 17°25'32.4"E to 60°45'19.6"N 17°25'31.3"E	Buoy "Orrskarsgrund" BYB, spar, double cone topmark bases together, Q(3) 10s 65°26'30"N 22°26'25"E Buoy "Dyan" YBY, pillar, double cone topmark points together, Q(9) 15s 65°24'16"N 22°20'59"E (26(616)00 Norrkoping)
Add	Depth 1.4 meters	60°41'01.8"N 17°12'43.4"E	
	Depth 2 meters	60°41'01.0"N 17°12'51.5"E	
	"Swept depth 2.5m" area bound by shore, breakwater and dashed line between 60°41'01.5"N 17°12'46.2"E 60°41'01.7"N 17°12'51.5"E		
	and delete depth contours within boat harbor		
Delete	(Plan) Rock awash	60°40'52.3"N 17°12'48.0"E	
	Rock awash	60°40'58.4"N 17°12'49.6"E	
	Depth 1.6 meters	60°40'56.0"N 17°12'50.0"E	
	Depth 1.6 meters	60°41'00.0"N 17°12'53.0"E	
Substitute	Depth 1.4 meters for 1.7 meters	60°41'01.8"N 17°12'43.4"E	
	Depth 3.6 meters for 3.8 meters	60°41'05.6"N 17°12'54.0"E	
Add	Depth 2 meters	60°41'01.0"N 17°12'51.5"E	
	"Swept depth 2.5m" area bound by shore, breakwater and dashed line between 60°41'01.5"N 17°12'46.2"E 60°41'01.7"N 17°12'51.5"E		
	and delete depth contours within boat harbor		
	(26(617), 618)00 Norrkoping)		
<b>44206</b>	1Ed. 12/27/86 LAST NM 17/03	19/03	
Delete	Buoy	61°28'08"N 17°11'43"E	
Add	Rock awash [K12]	61°41'03"N 17°21'34"E	
	Buoy BYB, spar	61°41'02"N 17°21'42"E	
	Depth 7.9 meters	61°37'21"N 17°07'36"E	
	Buoy BYB, spar, double cone topmark bases together	61°37'19"N 17°07'15"E	
	(19(458), 466), 21(509)00 Norrkoping)		
<b>44207</b>	1Ed. 11/22/86 LAST NM 17/03	19/03	
	(Inset)		
Delete	"Dols" (7) between	61°18'34.0"N 17°05'58.0"E 61°18'37.0"N 17°05'36.0"E	
Add	Legend "2.5m" to recommended track	61°18'37.0"N 17°05'48.0"E	
	(Plan A)		
Delete	Buoy	61°16'19.2"N 17°14'45.6"E	
	Buoy	61°16'16.8"N 17°14'37.8"E	
	(19(459-461)00 Norrkoping)		
<b>44221</b>	1Ed. 8/12/89 LAST NM 43/01	19/03	
	(Plan B)		
Add	Double solid line with land tint (bridge) [D22] and legend "VERT CL 18m" between	62°49'15"N 17°58'23"E 62°49'06"N 17°58'53"E	
	(27(637)00 Norrkoping)		
<b>44240</b>	8Ed. 7/19/97 LAST NM 16/03	19/03	
Delete	Submarine cable between	63°39.3'N 20°21.0'E 63°36.9'N 20°25.2'E	
	(27(636)00 Norrkoping; Swd CH 5121)		
<b>44280</b>	9Ed. 7/13/96 LAST NM 15/03	19/03	
Add	Buoy G, spar, Fl(2) G 6s	65°27.7'N 22°27.4"E	
	Buoy BYB, spar, double cone topmark bases together, Q(3) 10s	65°26.5'N 22°26.4"E	
	Buoy YBY, pillar, double cone topmark points together, Q(9) 15s	65°24.3'N 22°21.0'E	
	(26(616)00 Norrkoping)		
<b>44281</b>	2Ed. 4/6/96 LAST NM 15/03	19/03	
Delete	Buoy	65°27'43"N 22°27'26"E	
	Buoy	65°26'39"N 22°26'12"E	
	Buoy	65°24'10"N 22°21'17"E	
Add	Buoy "Larsgrundet S" G, spar, Fl(2) G 6s	65°27'43"N 22°27'23"E	

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<b>44401</b>	(Continued)			
Add	Buoy YBY, pillar, double cone topmark points together, Q(9) 15s	57°04'10.1"N 24°00'35.0"E	39°02'35"N 27°56'01"W 39°01'33"N 27°52'51"W 39°00'19"N 27°52'12"W	
	Buoy BYB, pillar, double cone topmark bases together, Q(3) 10s	57°01'50.2"N 24°00'00.3"E		(23(419)98 Lisboa)
	Dashed line (range line) between	57°02'58.0"N 24°03'41.1"E 57°03'04.7"N 24°03'32.8"E		
	(6(40), 12(80)02, 1(9, 10)03 Riga)			
<b>44430</b>	2Ed. 6/22/96 LAST NM 14/03	19/03		
Add	Danger circle [K31] "Foul"	55°58.1'N 20°43.7'E		
	(2(29)03 Riga)			
<b>51061</b>	14Ed. 9/4/93 LAST NM 17/03	19/03		
Add	Submarine cable [L30.1] joining	39°03.0'N 27°57.8'W 39°02.7'N 27°57.3'W 39°02.6'N 27°56.0'W 39°01.6'N 27°52.8'W 38°59.6'N 27°51.8'W 38°58.2'N 27°52.4'W 38°53.6'N 27°56.5'W 38°53.7'N 27°59.5'W		
	Submarine cable [L30.1] joining	38°39.7'N 28°14.9'W 38°40.3'N 28°12.9'W 38°40.8'N 28°12.3'W		
	Submarine cable [L30.1] between	38°40.6'N 28°12.4'W 38°39.6'N 28°13.7'W		
	Submarine cable [L30.1] joining	38°38.3'N 28°29.2'W 38°37.7'N 28°30.8'W 38°34.9'N 28°34.4'W 38°32.4'N 28°35.2'W 38°32.3'N 28°35.9'W 38°32.3'N 28°36.8'W 38°32.6'N 28°37.2'W		
	Submarine cable [L30.1] joining	38°31.3'N 28°37.9'W 38°31.1'N 28°38.3'W 38°29.4'N 28°38.5'W 38°28.5'N 28°38.2'W 38°23.8'N 28°31.6'W 38°22.5'N 28°27.8'W 38°23.1'N 28°26.0'W 38°25.3'N 28°25.2'W 38°25.5'N 28°25.4'W		
	(23(419)98 Lisboa)			
<b>51062</b>	28Ed. 4/20/96 LAST NM 17/03	19/03		
	<b>(Plan A)</b>			
Add	Submarine cable [L30.1] joining	38°37'00"N 28°31'45"W 38°34'51"N 28°34'26"W 38°32'25"N 28°35'09"W 38°32'15"N 28°35'57"W 38°32'20"N 28°36'48"W 38°32'35"N 28°37'11"W		
	Submarine cable [L30.1] joining	38°31'29"N 28°37'32"W 38°31'18"N 28°37'54"W 38°31'18"N 28°38'03"W 38°31'06"N 28°38'16"W 38°30'56"N 28°38'31"W 38°29'21"N 28°38'32"W 38°28'31"N 28°38'13"W 38°23'48"N 28°35'00"W 38°22'32"N 28°27'46"W 38°23'04"N 28°26'03"W 38°23'50"N 28°25'40"W		
	<b>(Plan B)</b>			
Add	Submarine cable [L30.1] joining	38°32'15.6"N 28°35'59.4"W 38°32'19.9"N 28°36'48.5"W 38°32'34.5"N 28°37'10.7"W		
	Submarine cable [L30.1] joining	38°31'29.0"N 28°37'31.9"W 38°31'17.9"N 28°37'54.4"W 38°31'17.7"N 28°38'03.3"W 38°31'10.2"N 28°38'11.7"W		
	<b>(Plan C)</b>			
Add	Submarine cable [L30.1] joining	39°03'04"N 27°58'16"W 39°02'58"N 27°57'50"W 39°02'42"N 27°57'15"W		
<b>51261</b>	23Ed. 6/4/94 LAST NM 15/03	19/03		
Add	Submarine cable [L30.1] between	32°38.2'N 16°56.1'W 32°36.0'N 16°56.0'W		
	(23(419)98 Lisboa)			
<b>54090</b>	3Ed. 9/14/02 LAST NM 15/03	19/03		
Change	Light to Fl R 2½s 5m 6M	(33(11)02 Brest; FR LL)	42°17.1'N 18°50.9'E	
<b>54105</b>	3Ed. 8/31/02 LAST NM 17/03	19/03		
Change	Light to Fl(3) 20s 31m 17M	(23(13)02 Genova)	42°27.8'N 14°13.7'E	
<b>54120</b>	5Ed. 9/19/92 LAST NM 17/03	19/03		
Add	Light Fl(3) 20s 31m 17M	(23(13)02 Genova)	42°27.8'N 14°13.7'E	
<b>55046</b>	4Ed. 11/30/96 LAST NM 18/03	19/03		
Add	Platform (lighted) [L10] Fl(3) R 10s 5M	40°58'08"N 28°41'51"E		
	Buoy (mooring) [Q41] Fl(2) R 3s	40°58'02"N 28°42'01"E		
	Buoy (mooring) [Q41] Fl(2) R 3s	40°58'04"N 28°41'55"E		
	Buoy (mooring) [Q41] Fl(2) R 3s	40°58'04"N 28°41'44"E		
	Buoy (mooring) [Q41] Fl(2) R 3s	40°58'01"N 28°41'43"E		
	(28(141)02 Istanbul)			
<b>55103</b>	2Ed. 4/6/96 LAST NM 15/03	19/03		
Substitute	Depth 13.8 meters Wk for 14.2 meters Wk	44°37'21.7"N 33°30'08.7"E		
	Depth 15.6 meters Wk for 16 meters Wk	44°37'18.6"N 33°29'57.0"E		
	Depth 8.5 meters for 9.2 meters	44°36'57.7"N 33°27'56.0"E		
	Depth 7.4 meters Obstns for 7 meters Obstns	44°37'24.4"N 33°33'24.3"E		
Add	Depth 13.8 meters Rk [K14.2]	44°35'41.4"N 33°23'48.2"E		
	Depth 13 meters Rk [K14.2]	44°35'43.0"N 33°23'50.8"E		
	Depth 5.7 meters enclosed by dotted-line circle	44°35'38.8"N 33°23'56.3"E		
	Depth 6.4 meters Rk [K14.2]	44°35'39.2"N 33°23'58.4"E		
	Depth 14.8 meters Rk [K14.2]	44°35'52.1"N 33°24'19.0"E		
	Depth 4.3 meters enclosed by dotted-line circle	44°35'27.8"N 33°23'43.0"E		
	Depth 1.9 meters	44°35'57.4"N 33°25'29.2"E		
	Depth 9.1 meters Rk [K14.2]	44°36'24.0"N 33°26'05.4"E		
	Depth 10 meters Rk [K14.2]	44°36'24.9"N 33°26'05.4"E		
	Depth 6.3 meters Rk [K14.2]	44°36'39.3"N 33°27'10.9"E		
	Depth 8.9 meters Rk [K14.2]	44°36'52.2"N 33°27'32.8"E		
	Depth 4.2 meters Rk [K14.2]	44°36'55.6"N 33°29'28.2"E		
	Depth 3.5 meters Rk [K14.2]	44°36'54.8"N 33°29'14.6"E		
	Depth 4 meters enclosed by dotted-line circle	44°36'56.8"N 33°29'11.7"E		
	Depth 12.6 meters Rk [K14.2]	44°37'02.9"N 33°29'11.0"E		
	Depth 13.4 meters Rk [K14.2]	44°37'02.9"N 33°29'08.0"E		
	Depth 11.4 meters Rk [K14.2]	44°36'56.2"N 33°29'05.4"E		
	(51(8010-8013), 52(8205)02 St. Petersburg)			
<b>55104</b>	2Ed. 4/20/96 LAST NM 14/03	19/03		
Substitute	Depth 13.8 meters Wk for dangerous wreck	44°37'22"N 33°30'09"E		
	Depth 15.6 meters Wk for dangerous wreck	44°37'19"N 33°29'57"E		
	(52(8205)02 St. Petersburg)			
<b>55130</b>	2Ed. 2/8/97 LAST NM 14/03	19/03		
Add	Dangerous wreck [K28]	45°32.7'N 29°41.9"E		
	(52(8199)02 St. Petersburg)			

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<b>55131</b>	1Ed. 11/16/96 LAST NM 6/03 Add Dangerous wreck [K28] (52(8199)02 St. Petersburg)	19/03 45°32.7'N 29°41.9'E	<b>72105</b>	2Ed. 7/6/96 LAST NM 11/03 Add Beacon Y, Mo(U) Y 12M Racon (21(167)01 Jakarta)	19/03 1°01.1'S 117°21.4'E
<b>★62046</b>	3Ed. 3/29/03 NEW EDITION (NIMA)	19/03	<b>72107</b>	2Ed. 6/22/96 LAST NM 7/03 Add Beacon Y, Mo(U) Y 15s 18m 12M Racon (21(167)01 Jakarta)	19/03 1°01'09"S 117°21'23"E
<b>★62195</b>	7Ed. 3/22/03 NEW EDITION (NIMA)	19/03	<b>72234</b>	2Ed. 8/29/98 LAST NM 18/03 Change Characteristic of light to Fl G 3s Legend to "10.5m Rep (2002)" (See 41-00-72234)	19/03 7°11'45.0"S 112°44'14.0"E 7°11'50.0"S 112°42'25.0"E Legend "6.5 m Rep (2002)" (BA CH 921)
<b>★62222</b>	5Ed. 3/8/03 NEW EDITION (NIMA)	19/03	<b>74012</b>	10Ed. 5/27/95 LAST NM 8/03 Substitute Depth 1.8 meters for 2.9 meters (1(43)03 Wollongong)	19/03 13°13.1'S 129°56.3'E
<b>63240</b>	4Ed. 6/16/01 LAST NM 36/01 Add Legend "Less water reported (2001)" between 9°29.8'N 80°50.3'E 9°08.5'N 81°00.0'E  Legend "Less water reported (2001)" between 8°23.5'N 81°27.5'E 8°02.0'N 81°36.0'E  Legend "Less water reported (2001)" between 7°43.3'N 81°49.0'E 7°21.0'N 81°56.3'E (2(211)03 Taunton)	19/03	<b>74271</b>	9Ed. 9/6/97 LAST NM 46/02 Add Anchor berth "II" [N11.1] Anchor berth "PI" [N11.1] Anchor berth "CM" [N11.1] Anchor berth "WB" [N11.1] Anchor berth "SB" [N11.1]	19/03 14°24'31"S 144°52'25"E 14°06'49"S 144°30'19"E 14°10'43"S 144°26'01"E 14°08'19"S 144°15'07"E 14°09'02"S 144°13'01"E
<b>71259</b>	3Ed. 1/18/03 LAST NM 17/03 Add Beacon R, can topmark, Fl R 3s 7m 6M [Q130.1] (35(258)00 Jakarta)	19/03 1°08'18"N 104°03'37"E	Add <b>(Plan A)</b> Anchorage symbol (large vessels) [N10]  Delete <b>(Plan B)</b> Anchorage symbol (large vessels) 14°09'09"S 144°13'06"E Add Anchor berth "WB" [N11.1] Anchorage symbol (large vessels) [N10] (6(186-189)03 Wollongong)	14°06'48"S 144°30'24"E	19/03
<b>71271</b>	10Ed. 4/13/96 LAST NM 52/02 Change Light to Fl WR 10s 36m 22/15M with sectors white 145°-315°, red-145° (See 30/02-71271) (BA LL)	19/03 3°11'09"N 101°13'01"E	<b>74272</b>	7Ed. 8/23/97 LAST NM 4/03 Delete Anchorage symbol (large vessels) Add Anchor berth "MI" [N11.1] Anchor berth "NI" [N11.1]	19/03 13°10'30"S 143°34'15"E 13°29'19"S 143°43'01"E 13°10'17"S 143°34'07"E
<b>71272</b>	10Ed. 3/9/96 LAST NM 34/02 <b>(Panel A)</b> Change Light to Fl WR 10s 36m 22/15M with sectors white 145°-315°, red-145° (Supersedes 30/02-71272) (BA LL)	19/03 3°11'09.5"N 101°13'01.1"E	Add <b>(Plan A)</b> "ANCH AREA" [N12.1] bound by purple dashed line joining (6(191, 192)03 Wollongong)	13°29'18.0"S 143°42'53.4"E 13°29'11.4"S 143°43'00.0"E 13°29'20.4"S 143°43'09.6"E 13°29'27.6"S 143°43'02.4"E	19/03
<b>71275</b>	3Ed. 5/1/99 LAST NM 16/03 Change Visibility (range) of light to 13M (192)03 Taunton)	19/03 1°50'45"N 102°42'22"E	<b>74273</b>	5Ed. 8/23/97 LAST NM 7/03 Add Anchor berth "II" [N11.1] (6(186)03 Wollongong)	19/03 14°24'31"S 144°52'25"E
<b>71285</b>	3Ed. 5/8/99 LAST NM 13/03 Change Light to Fl WR 10s 36m 22/15M with sectors white 145°-315°, red-145° (See 30/02-71285) (BA LL)	19/03 3°11'09"N 101°13'01"E	<b>74420</b>	3Ed. 8/9/97 LAST NM 45/02 Delete Depth 2.9 meters Add Depth 1.8 meters Depth 4.4 meters, blue tint and enclosing depth contour (10-meter) centered (1(43)03 Wollongong)	19/03 13°13.0'S 129°56.5'E 13°14.9"S 129°56.6"E 13°13.1'S 129°56.3'E 13°14.6"S 129°56.9"E
<b>71295</b>	2Ed. 1/2/99 LAST NM 12/03 Change Light to Fl WR 10s 36m 22/15M with sectors white 145°-315°, red-145° (See 30/02-71295) (BA LL)	19/03 3°11.2'N 101°13.0'E	<b>75130</b>	16Ed. 8/26/95 LAST NM 16/03 Delete R Bn (AERO) Light Change Light to Fl 5s 48m 14M with sectors white 118°-005°, obsc-118° (21(167)01 Jakarta)	19/03 34°56.8'S 138°33.0'E 35°44.7'S 138°02.6'E 35°48.2'S 138°07.7'E 35°50.6'S 138°08.2'E
<b>72014</b>	10Ed. 9/21/96 LAST NM 7/03 Add Light Mo(U) Y 12M Racon (21(167)01 Jakarta)	19/03 1°01.1'S 117°21.4'E	(continued on next page)		
<b>72100</b>	7Ed. 11/4/95 LAST NM 7/03 Add Beacon Y, Mo(U) Y 15s 18m 12M Racon (21(167)01 Jakarta)	19/03 1°01'09"S 117°21'23"E			
<b>72103</b>	2Ed. 6/13/98 LAST NM 7/03 Add Beacon Y, Mo(U) Y 15s 18m 12M Racon (21(167)01 Jakarta)	19/03 1°01'09.0"S 117°21'23.0"E			

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**NM 19/03**

<b>75130</b>	(Continued)				
	Light to Fl 10s 27m 19M, Iso R 2s 26m 10M and add sector red 105°-120° (6(200-203)03 Wollongong; BA LL; BA RA)	35°46.7'S 138°17.6'E			19/03
<b>75132</b>	11Ed. 3/19/94 LAST NM 17/03 Delete "Depths in Meters alongside wharves" table in vicinity	34°50'00.0"S 138°31'09.0"E	19/03		
Add	Submarine pipeline (sewer) [L41.1] between 34°45'47.8"S 138°30'19.6"E 34°45'43.4"S 138°30'20.6"E				
	Submarine pipeline (sewer) [L41.1] between 34°45'47.8"S 138°30'19.6"E 34°45'45.8"S 138°30'19.0"E				
	(17(468)00 Wollongong; Aus CH 137)				
<b>75134</b>	3Ed. 11/18/95 LAST NM 5/03 <b>(Plan A)</b> Delete R Bn (AERO) (BA RA)	34°56'54.0"S 138°32'48.0"E	19/03		
<b>75150</b>	5Ed. 3/8/97 LAST NM 16/03 Change Light to Fl 5s 14M with sectors white 118°-005°, obsc-118°	35°48'12"S 138°07'45"E	19/03		
	Light to Fl(3) 15s 11M	35°50'36"S 138°08'12"E			
	Light to Fl 10s 19M, Iso R 2s 10M and add sector red 105°-120° (6(201-203)03 Wollongong; BA LL)	35°46'42"S 138°17'36"E			
<b>75160</b>	6Ed. 2/11/95 LAST NM 18/03 Add Danger circle "Well" [L21.1] (4(128)03 Wollongong)	38°06.2'S 140°00.6"E	19/03		
<b>75191</b>	6Ed. 6/10/95 LAST NM 8/03 Add Depth 7.3 meters, blue tint and enclosing depth contour (10-meter) centered (1(44)03 Wollongong)	43°32'30"S 146°59'00"E	19/03		
<b>75193</b>	6Ed. 11/25/95 LAST NM 16/03 Add Buoy R, can, Fl R 3s (1(45)03 Wollongong)	42°49'58.2"S 147°19'27.6"E	19/03		
<b>75251</b>	5Ed. 8/30/97 LAST NM 3/03 Add Tower symbol [E20] with legend "(R Lt)" (17(457)00 Wollongong)	36°11'41"S 150°04'49"E	19/03		
<b>91005</b>	6Ed. 6/15/96 LAST NM 45/02 Change Visibility (range) of light to 15M (BA LL)	14°29.8'N 120°55.0"E	19/03		
<b>91020</b>	5Ed. 2/11/84 LAST NM 22/02 Change Light to AERO Al Fl WG 15M (BA LL)	14°29.8'N 120°55.0"E	19/03		
<b>91280</b>	7Ed. 1/30/99 LAST NM 22/02 Change Light to AERO Al Fl WG 15M (BA LL)	14°29.8'N 120°55.0"E	19/03		
<b>91294</b>	8Ed. 3/29/86 LAST NM 14/02 Change Light to AERO Al Fl WG 10s 37m 15M (BA LL)	14°29'49.6"N 120°55'01.0"E	19/03		
<b>91297</b>	9Ed. 3/29/86 LAST NM 14/02 <b>(Plan)</b> Change Light to AERO Al Fl WG 10s 37m 15M (BA LL)	14°29'49.6"N 120°55'01.0"E	19/03		
<b>92290</b>	2Ed. 9/25/76 LAST NM 11/02 Change Period of light to 5s (BA LL)	8°02.7'N 123°47.2"E	19/03		
<b>92296</b>	3Ed. 10/20/90 LAST NM 43/01 Change Period of light to 5s (BA LL)	8°02'38.0"N 123°47'16.0"E	19/03		
<b>93733</b>	13Ed. 6/28/97 LAST NM 4/03 Add Depth 20.4 meters Wk [K26] (3(9)03 Hong Kong)	22°13'24"N 114°16'23"E	19/03		
<b>93734</b>	11Ed. 4/19/97 LAST NM 4/03 Delete Beacon	22°14'28.0"N 114°08'54.0"E	19/03		
	Add Depth 20.4 meters Wk [K26] (1(1), 3(9)03 Hong Kong)	22°13'24.4"N 114°16'22.7"E			
<b>94033</b>	5Ed. 10/28/95 LAST NM 51/01 Add Dashed line (recommended track) [M4] with legend "South Korean Port - North Korean Port (Haeju)" joining	37°03.2'N 125°39.9"E 37°33.2'N 125°31.9"E 37°42.2'N 125°33.9"E	19/03		
	Dashed line (recommended track) [M4] with legend "North Korean Port (Haeju) - Chinese Port" joining	37°42.2'N 125°33.9"E 37°29.2'N 125°22.9"E 37°29.2'N 124°42.9"E 38°00.2'N 124°17.9"E			
	Dashed line (recommended track) [M4] with legend "South Korean Port - Chinese Port" joining	37°03.2'N 125°39.9"E 37°29.2'N 125°42.9"E 38°00.2'N 125°17.9"E			
	(8(37)03 Inchon)				
<b>94080</b>	7Ed. 9/23/95 LAST NM 10/03 Change Light to Fl 6s 16m 8M (19/03 Tso-ying)	22°58.0'N 120°09.3"E	19/03		
<b>94082</b>	8Ed. 2/26/00 LAST NM 8/03 Change Light to Fl 6s Light to Fl R 6s	22°58'01"N 120°09'20"E 22°57'52"N 120°09'20"E	19/03		
	<b>(Plan)</b> Delete Light Light	22°57'59.0"N 120°09'19.6"E 22°57'52.0"N 120°09'19.0"E			
	Add Light Fl 6s 16m 8M Light Fl R 6s 16m 8M (19/03 Tso-ying)	22°58'00.7"N 120°09'19.6"E 22°57'51.7"N 120°09'25.0"E			
<b>94160</b>	7Ed. 3/23/96 LAST NM 18/03 Add Danger circle "Obstn" [K40] (PA)	26°04.3'N 119°47.4"E 25°45.0'N 119°39.0"E	19/03		
	Danger circle "Obstn" [K40] (PA)				
<b>94164</b>	2Ed. 3/23/96 LAST NM 16/03 Add Danger circle "Obstn" [K40] (PA)	26°04'18"N 119°47'24"E	19/03		
	(4(69)03 Tianjin)				
<b>94206</b>	3Ed. 3/8/86 LAST NM 11/03 Add Dangerous wreck [K28] "Rep (2003)" (PA)	30°20'27"N 121°50'18"E 30°47'08"N 121°29'14"E	19/03		
	Buoy Y, pillar, "X" topmark, Mo(C) Y 15s	30°47'22"N 121°29'18"E			
	Buoy Y, pillar, "X" topmark, Mo(C) Y 12s	30°41'28"N 121°18'15"E			
	Beacon Y, "X" topmark, Mo(C) Y 12s 9m 3M	30°34'04"N 121°02'28"E			
	Beacon Y, "X" topmark, Mo(C) Y 12s 12m 4M				
	(37(683), 39(711), 49(906)02, 10(148)03 Tianjin)				
<b>94207</b>	5Ed. 4/6/96 LAST NM N11/03 Add Dangerous wreck [K28] "Rep (2003)" (PA)	30°20'29"N 121°50'17"E	N19/03		
	(10(148)03 Tianjin)				

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<b>95060</b>	13Ed. 8/5/95 LAST NM 17/03 Change Visibility (range) of light to 15M Visibility (range) of light to 13M	19/03 36°53.1'N 126°10.6'E 36°53.8'N 126°09.1'E	Vertical clearance of bridge to "(30)" 34°55'14"N 128°01'59"E
Add	Dashed line (recommended track) [M4] with legend "South Korean Port - North Korean Port (Haeju)" joining	37°03.2'N 125°39.9'E 37°33.2'N 125°31.9'E 37°42.2'N 125°33.9'E	Add Vertical clearance [D20] 31 meters to bridge 34°55'43"N 128°03'05"E
	Dashed line (recommended track) [M4] with legend "North Korean Port (Haeju) - Chinese Port" joining	37°42.2'N 125°33.9'E 37°29.2'N 125°22.9'E 37°29.2'N 124°42.9'E 38°00.2'N 124°17.9'E	Dangerous wreck [K28] (PA) 34°44'01"N 127°44'53"E (9(120, 122)03 Inchon)
	Dashed line (recommended track) [M4] with legend "South Korean Port - Chinese Port" joining	37°03.2'N 125°39.9'E 37°29.2'N 125°42.9'E 38°00.2'N 125°17.9'E	
	(13(1549)03 Taunton; 7(91), 8(37)03 Inchon)		
<b>95066</b>	11Ed. 11/21/98 LAST NM 17/03 Change Visibility (range) of light to 15M Visibility (range) of light to 13M	19/03 36°53'04"N 126°10'38"E 36°53'48"N 126°09'06"E	
	(13(1549)03 Taunton; 7(91)03 Inchon)		
<b>95080</b>	13Ed. 6/24/95 LAST NM 17/03 Change Light to Fl 10s 101m 17M	19/03 36°14'56"N 126°16'56"E	
	(7(92)03 Inchon)		
<b>95083</b>	8Ed. 5/28/94 LAST NM 4/03 Add Depth 12.1 meters Depth 12 meters Depth 11.6 meters Depth 11.6 meters Depth 10.3 meters Depth 9.7 meters Depth 9.5 meters Depth 6 meters Depth 5.7 meters Depth 5.5 meters	19/03 35°58'41.3"N 126°34'40.0"E 35°58'40.7"N 126°35'51.7"E 35°58'44.8"N 126°35'27.8"E 35°58'42.4"N 126°35'50.8"E 35°58'40.8"N 126°34'42.4"E 35°58'45.5"N 126°35'52.0"E 35°58'39.0"N 126°35'51.8"E 35°58'49.1"N 126°37'34.9"E 35°58'52.1"N 126°37'30.7"E 35°58'47.6"N 126°37'45.1"E	
	(7(93)03 Inchon)		
<b>95103</b>	8Ed. 5/18/96 LAST NM 12/03 Change Visibility (range) of light to 26M Light to F 17m (See 4, 10/03-95103)	19/03 33°31'17"N 126°32'44"E 33°13'58"N 126°34'03"E	
Add	Light Fl G 6s 12m 5M	33°25'40"N 126°55'11"E	
	(7(86, 88, 89)03 Inchon)		
<b>95138</b>	8Ed. 2/5/94 LAST NM 17/03 Add Buoy "A" Y, pillar, "X" topmark, Fl Y 4s 34°44'36.3"N 127°46'35.3"E Buoy "B" Y, pillar, "X" topmark, Fl Y 4s 34°44'34.3"N 127°46'44.4"E	19/03	
	Dangerous wreck [K28] (PA)	34°44'01.0"N 127°44'53.0"E	
	(7(99), 9(122)03 Inchon)		
<b>95141</b>	8Ed. 8/5/95 LAST NM 17/03 Add Dangerous wreck [K28] (PA) (9(122)03 Inchon)	19/03 34°44'01"N 127°44'53"E	
<b>95142</b>	9Ed. 12/15/01 LAST NM 10/03 <b>(Plan B)</b> Change Vertical clearance of bridge to "(20)" (See 19/02-95142)	19/03 34°55'26.8"N 128°02'29.8"E	
Add	Vertical clearance [D20] 23 meters to bridge 34°55'34.0"N 128°02'50.5"E Vertical clearance [D20] 31 meters to bridge 34°55'43.1"N 128°03'04.7"E		
	(9(120)03 Inchon)		
<b>95143</b>	11Ed. 5/15/99 LAST NM 17/03 Change Vertical clearance of bridge to "(20)"	19/03 34°55'27"N 128°02'30"E	

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NM 19/03

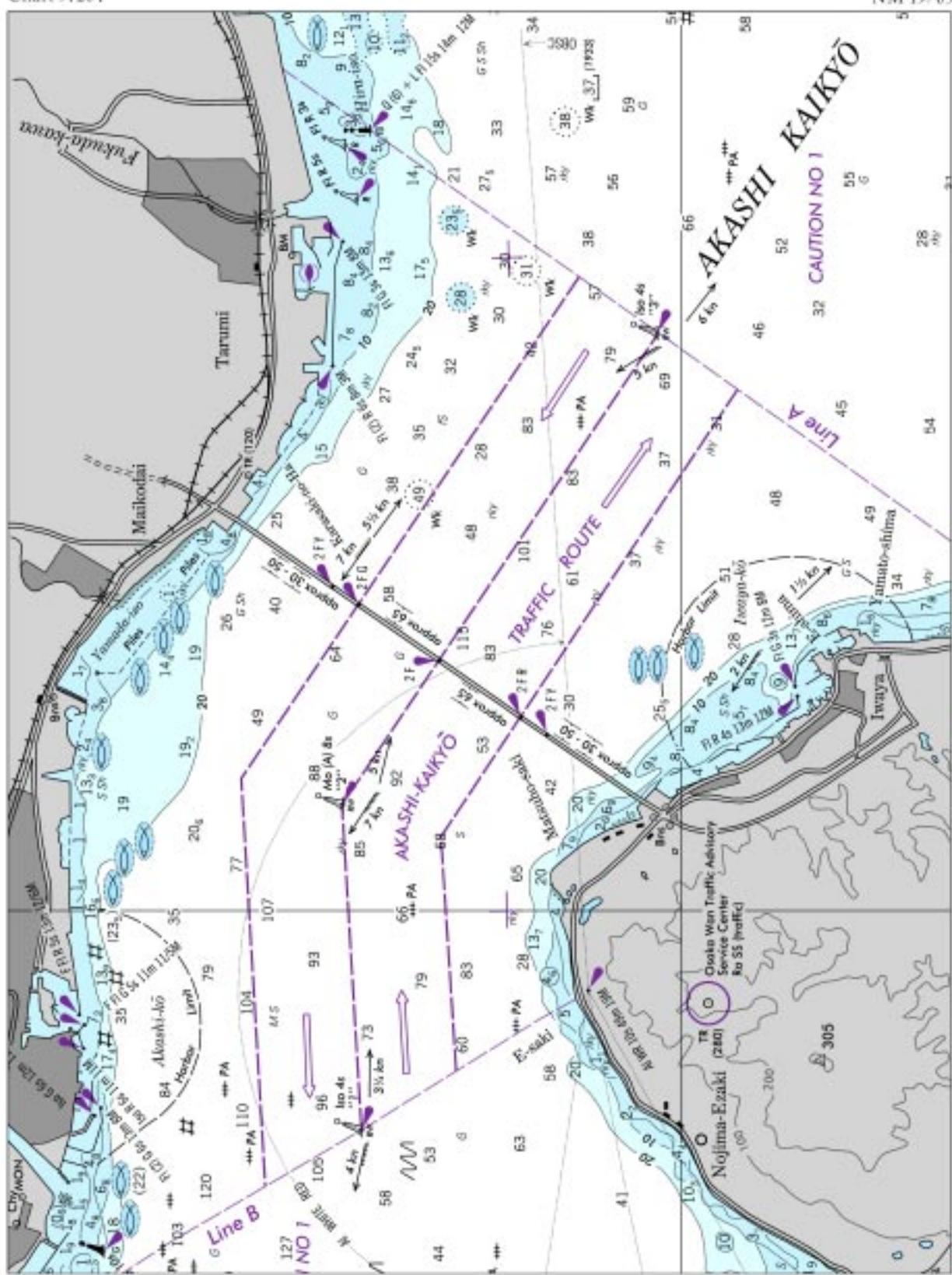
<b>95160</b>	13Ed. 8/19/95 LAST NM 17/03	19/03	Double solid line with land tint (breakwater) [F4.1] between 33°21'28"N 129°44'02"E 33°21'30"N 129°43'59"E (12(403)03 Tokyo; Jpn CH W1270)
Add	Submarine pipeline [L40.1] with legend "Gas" joining 35°24.5"N 129°21.7"E 35°24.2"N 129°23.9"E 35°22.4"N 129°25.6"E 35°22.4"N 129°30.3"E 35°24.4"N 129°32.8"E 35°25.8"N 130°00.0"E 35°25.8"N 130°00.0"E		
	Platform with light flare symbol [L10] 35°25.8"N 130°00.0"E (9(119)03 Inchon)		
<b>95161</b>	16Ed. 9/8/01 LAST NM 17/03	19/03	
Relocate	Buoy "15" from 35°30'36.0"N 129°23'28.7"E to 35°30'34.5"N 129°23'22.7"E Buoy "16" from 35°30'39.5"N 129°23'36.7"E to 35°30'35.5"N 129°23'34.7"E Buoy "17" from 35°30'48.2"N 129°23'29.3"E to 35°30'50.0"N 129°23'20.7"E Buoy "18" from 35°30'46.6"N 129°23'36.9"E to 35°30'53.0"N 129°23'32.2"E Buoy "21" from 35°31'05.0"N 129°23'16.0"E to 35°30'58.0"N 129°23'14.7"E		
Add	Submarine pipeline [L40.1] with legend "Gas" joining 35°24'33.8"N 129°21'43.4"E 35°24'11.0"N 129°23'58.1"E 35°22'23.1"N 129°25'36.9"E 35°22'22.0"N 129°28'40.0"E (7(84), 9(119)03 Inchon)		
<b>95162</b>	2Ed. 2/12/94 LAST NM 14/03	19/03	
Delete	Double solid line and land tint between 37°32'01.0"N 129°07'08.0"E 37°32'23.3"N 129°07'12.1"E (See 10/03-95162)		
Add	Double solid line with land tint (breakwater extension) between 37°32'31.0"N 129°07'08.0"E 37°32'23.3"N 129°07'12.1"E (26(334)02 Inchon)		
<b>95282</b>	7Ed. 7/14/90 LAST NM 9/03	19/03	
Delete	Buoy 35°30'23.4"N 135°23'06.8"E Buoy 35°30'40.4"N 135°23'16.8"E Buoy 35°30'22.4"N 135°23'09.8"E Buoy 35°30'40.4"N 135°23'18.8"E (10(391)99 Tokyo)		
<b>97204</b>	9Ed. 2/12/94 LAST NM 10/03	19/03	
Add	Chartlet, depicting changes in hydrography and topography, from Subsection I-2 34°36'50.0"N 135°01'21.0"E (Jpn CH W131)		
<b>97221</b>	20Ed. 1/17/98 LAST NM 18/03	19/03	
Add	Chartlet, depicting changes in hydrography and topography, from Subsection I-2 34°36'50"N 135°01'21"E (Jpn CH W131)		
<b>97225</b>	31Ed. 1/21/95 LAST NM 18/03	19/03	
Add	Chartlet, depicting changes in hydrography and topography, from Subsection I-2 34°36'38"N 135°01'30"E (Jpn CH W131)		
<b>97384</b>	4Ed. 6/14/97 LAST NM 47/02	19/03	
Change	Visibility (range) of light to 5M 32°11'09.5"N 130°00'24.0"E (12(419)03 Tokyo; Jpn CH W1241)		
<b>97410</b>	8Ed. 5/26/90 LAST NM 17/03	19/03	
Add	Double solid line with land tint (breakwater) [F4.1] between 33°21'22"N 129°43'38"E 33°21'37"N 129°43'55"E		
	Land tint to area bound by shore and solid line joining 33°21'13"N 129°43'50"E 33°21'18"N 129°43'50"E 33°21'28"N 129°44'02"E 33°21'20"N 129°44'11"E 33°21'19"N 129°44'11"E		

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Chart 97204

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## SECTION I

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Chart 97221

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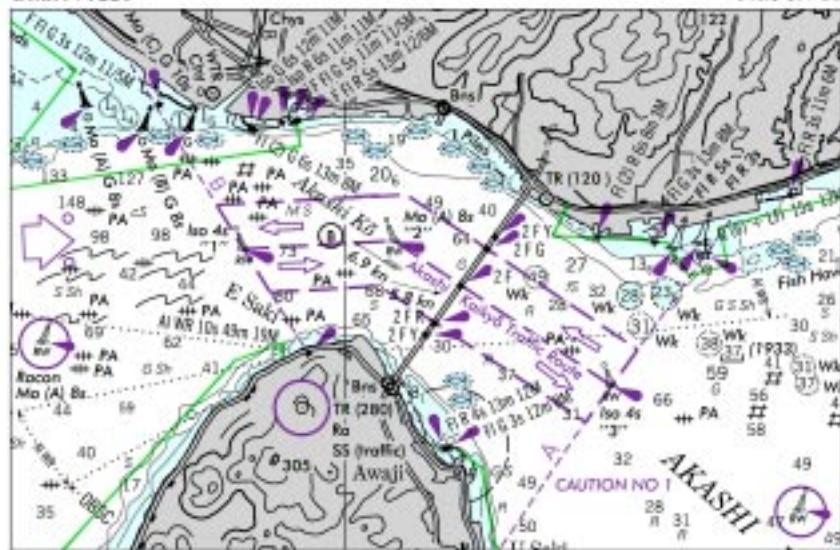
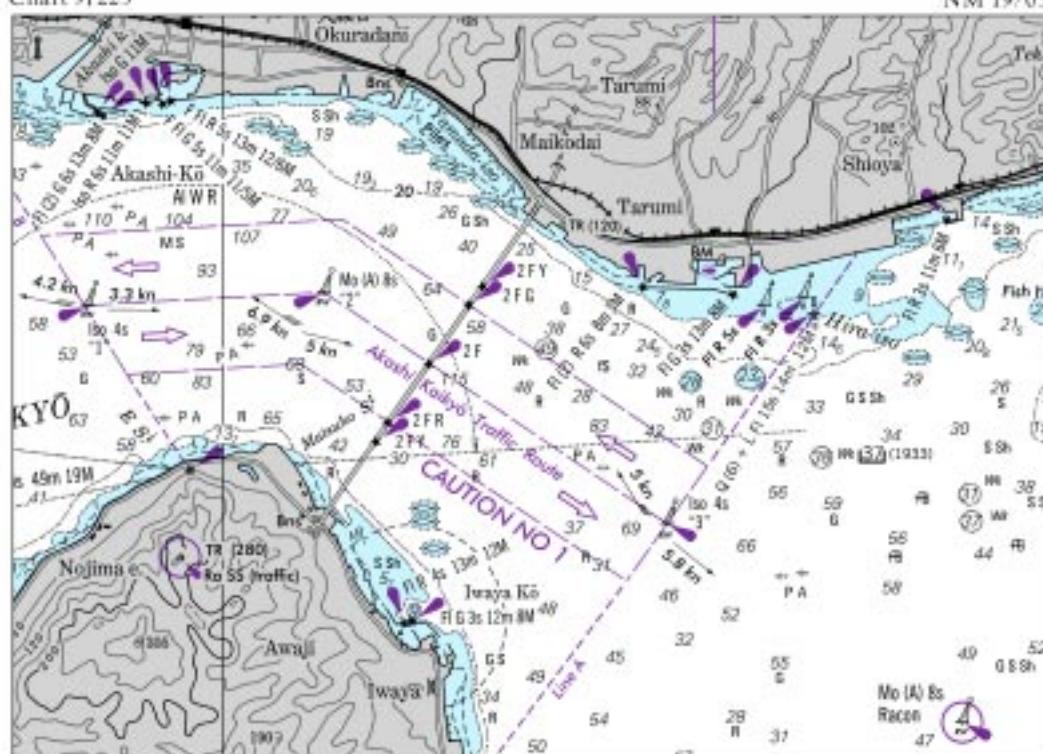


Chart 97225

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**SECTION I**

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Chart 11478

NM 19/03

PORT CANAVERAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2003 AND SURVEYS OF NOV 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
OUTER REACH	40.8	42.0	41.7	41.2	11-02	400 5.5 44
MIDDLE REACH	43.3	44.1	43.6	43.5	11-02	400 0.9 44
INNER REACH	37.9	40.8	40.8	38.0	4-02;11-02	400 0.8 40
WEST ACCESS CHANNEL (EAST PORTION)	38.3	40.2	40.6	38.6	8-02	400 0.3 39
WEST ACCESS CHANNEL (WEST PORTION)	30.1	34.0	34.8	34.1	8-02	400 0.3 31

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

Chart 11481

NM 19/03

PORT CANAVERAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2003 AND SURVEYS OF NOV 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
OUTER REACH	40.8	42.0	41.7	41.2	11-02	400 5.5 44
MIDDLE REACH	43.3	44.1	43.6	43.5	11-02	400 0.9 44
INNER REACH	37.9	40.8	40.8	38.0	4-02;11-02	400 0.8 40
WEST ACCESS CHANNEL (EAST PORTION)	38.3	40.2	40.6	38.6	8-02	400 0.3 39
WEST ACCESS CHANNEL (WEST PORTION)	30.1	34.0	34.8	34.1	8-02	400 0.3 31

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

## SECTION I

NM 19/03

Chart 11506

NM 19/03

BRUNSWICK HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE INSIDE CHANNEL	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL (ST SIMON RANGE)	32.0	33.5	A29.0		02-03	500 7.7 32
PLANTATION CREEK RANGE	36.0	39.0	39.5		02-03	400 1.8 32
JEKYLL ISLAND RANGE	29.0	34.0	33.0		02-03	400 1.9 30
CEDAR HAMMOCK RANGE	30.5	31.5	30.0		02-03	400 1.4 30
BRUNSWICK PT CUT RANGE	27.5	29.5	28.0		02-03	400 2.4 30
EAST RIVER LOWER REACH	B28.0	29.0	27.0		02-03	400 1.1 30
UPPER REACH	26.0	27.0	26.0		02-03	350 1.0 27
EAST RIVER TURNING BASIN	25.0	25.0	25.0		02-03	750 0.2 30
TURTLE RIVER LOWER RANGE	34.0	31.0	30.0		02-03	300 1.7 30
BLYTHE ISLAND RANGE	31.0	26.5	26.0		02-03	300 1.5 30
TURTLE RIVER UPPER RANGE	28.0	27.5	26.0		02-03	300 1.7 30
SOUTH BRUNSWICK RIVER	31.5	32.0	30.5		02-03	400 1.3 30

A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.  
B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 28.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 31.0 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.  
NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11521

NM 19/03

CHARLESTON HARBOR ENTRANCE						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2000 AND SURVEYS TO FEB 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)
FORT SUMTER RANGE	44.9	47.5	47.4	45.6	5-02	1000 14.8 47
MOUNT PLEASANT RANGE	46.0	46.5	45.9	47.2	2-03	1000-600 1.6 45

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

Chart 11523

NM 19/03

CHARLESTON HARBOR ENTRANCE						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2000 AND SURVEYS TO FEB 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)
FORT SUMTER RANGE	44.9	47.5	47.4	45.6	5-02	1000 14.8 47
MOUNT PLEASANT RANGE	46.0	46.5	45.9	47.2	2-03	1000-600 1.6 45
REBELLION REACH	46.6	47.4	46.9	47.2	2-03	600 1.4 45

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

## SECTION I

Chart 11524

NM 19/03

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- REPORT OF NOV 2000 AND SURVEYS TO MAR 2003								
NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS			
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	44.9	47.5	47.4	45.6	5-02	1000	14.8	47
MOUNT PLEASANT RANGE	46.0	46.5	45.9	47.2	2-03	1000-600	1.6	45
REBELLION REACH	46.6	47.4	46.9	47.2	2-03	600	1.4	45
SHUTES-FOLLY REACH	47.6	47.3	47.3	47.8	2,3-03	600-800	1.3	45
HORSE REACH	47.5	48.3	48.2	44.6	5,11-02	800	0.5	45
CUSTOMHOUSE REACH	34.9	48.3	48.1	46.2	5-02;2,3-03	1385	0.2	45
SOUTH CHANNEL	24.4	24.8	24.5	A24.3	10-96	600-1000	3.1	45
HOG ISLAND REACH	46.1	47.1	43.6	39.2	11-02;2,3-03	600-1300	1.5	45
DRUM ISLAND REACH	44.6	47.6	48.2	44.1	1-03	600-1300	0.7	45
TOWN CREEK LOWER REACH	34.4	38.3	38.2	35.8	2,3-03	400-450	1.1	45
TURNING BASIN	36.5	34.3	34.2	33.4	5-02	250	0.25	35
TOWN CREEK UPPER REACH	35.2	40.2	40.9	40.5	11-01;1-02	250	1.0	16
MYERS BEND	42.0	47.2	47.8	48.1	11-01;1-03	600-900	0.4	45
DANIEL ISLAND REACH	47.0	47.3	45.9	39.5	1-03	880-980	1.2	45
DANIEL ISLAND BEND	48.0	48.4	48.8	48.0	1-03	700-780	0.4	45
CLOUTER CREEK REACH	40.3	42.6	42.8	40.5	1-03	600	0.9	45
NAVY YARD REACH	39.8	42.3	40.9	36.0	1-03	600-700	1.1	45
NORTH CHARLESTON REACH	36.0	42.4	42.6	43.1	1-03	500-600	1.0	45
FILBIN CREEK REACH	39.8	41.3	43.2	43.5	10-02;1-03	500	0.6	45
PORT TERMINAL REACH	36.7	42.6	41.8	41.4	10-02	600	0.7	45
ORDNANCE REACH	37.8	35.8	36.3	36.9	10-02	600	0.3	45
ORDNANCE REACH TURNING BASIN	44.6	43.9	43.1	43.0	10-02	800	0.26	45
WANDO RIVER								
LOWER REACH	44.3	45.6	46.2	38.4	5-02;1-03	1500-400	1.3	45
UPPER REACH	B41.5	B43.0	B47.2	B44.7	1-03	400-850	0.74	45
TURNING BASIN	40.6	38.1	43.3	43.3	1-03	550	0.3	45
SHIPYARD CREEK								
MAIN CHANNEL	26.2	27.4	29.0	27.2	8,10-00	1200-300	1.0	30
LOWER TURNING BASIN	37.9	38.9	40.0	40.8	8,10-00	700	0.2	38
UPPER TURNING BASIN	22.0	23.4	23.7	24.7	8,10-00	600	0.15	30
COOPER RIVER								
RANGE A	38.7	37.4	38.3	38.9	7,8-98;12-99	400-1350	1.02	35
RANGE B	20.5	25.2	36.4	37.0	12-99	VARIABLES	0.74	35
RANGE C	20.6	26.1	38.3	36.1	7,8-98;12-99;1-00	VARIABLES	0.76	35
RANGE D	30.2	37.4	37.8	37.1	2-00	VARIABLES	0.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIABLES	0.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIABLES	0.29	35

A. ALONG CHANNEL EDGE.  
B. FROM BOUY 8 TO END OF REACH SHOALING OCCURS WITH MIN DEPTH OF 31 FT  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12273

NM 19/03

BALTIMORE HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2002								
NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS			
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CRAIGHILL ENTRANCE	47.5	50.7	50.4	49.2	2-02	700	3.09	50
CRAIGHILL CHANNEL	48.6	49.9	50.1	49.0	3-02	700	2.80	50
CRAIGHILL ANGLE	50.2	49.8	50.5	50.3	10,11-01;1-02	700-1870	1.55	50
CRAIGHILL CHANNEL UPPER RANGE	49.9	51.5	50.8	49.3	4-02	700	2.11	50
CUTOFF ANGLE	47.9	49.6	49.3	47.5	5-02	700-1740	0.86	50
BREWERTON CHANNEL	48.2	50.8	50.5	48.7	6-00;1-01	700	3.06	50
EASTERN EXTENSION	34.9	34.6	32.3	31.9	5-02	600	5.02	35
SWAN POINT CHANNEL	33.5	35.9	35.8	34.3	4-01;8-02	600	1.65	35
TOLCHESTER CHANNEL	A32.9	35.0	35.8	34.8	6-02	600	6.47	35

A. EXCEPT FOR SHOALING TO 30.1 FT AT 39° 12' 35.0" N 76° 15' 17.5" W  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

## SECTION I

NM 19/03

Chart 12278

NM 19/03

CURTIS BAY AND CREEK CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2000						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH (FEET)
CURTIS BAY CHANNEL	48.7	49.9	48.2	11-00	400-1275	1.96 50
CURTIS CREEK						
LOWER REACH	34.4	35.6	35.3	11-00	200	0.54 35
MIDDLE REACH	19.3	20.7	17.6	8-99;7,8,11-00	200-380	1.09 22
UPPER REACH	18.4	17.0	13.5	8-99;8-00	200-100	0.55 22

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

Chart 12278

NM 19/03

BALTIMORE HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET)
CRAIGHILL ENTRANCE	47.5	50.7	50.4	49.2	2-02	700 3.09 50
CRAIGHILL CHANNEL	48.6	49.9	50.1	49.0	3-02	700 2.80 50
CRAIGHILL ANGLE	50.2	49.8	50.5	50.3	10,11-01;1-02	700-1870 1.55 50
CRAIGHILL CHANNEL UPPER RANGE	49.9	51.5	50.8	49.3	4-02	700 2.11 50
CUTOFF ANGLE	47.9	49.6	49.3	47.5	5-02	700-1740 0.86 50
BREWERTON CHANNEL	48.2	50.8	50.5	48.7	6-00;1-01	700 3.06 50
BREWERTON ANGLE	A47.5	50.1	49.4	48.4	10-00;1-2-01	700-1480 0.79 50
FORT MCHENRY CHANNEL	48.4	49.0	47.9	46.3	10-00;8-02	700 3.77 50
CURTIS BAY CHANNEL	48.7	49.9	49.9	48.2	11-00	400-1275 1.96 50
BREWERTON CHANNEL EASTERN EXTENSION	34.9	34.6	32.3	31.9	5-02	600 5.02 35
SWAN POINT CHANNEL	33.5	35.9	35.8	34.3	4-01;8-02	600 1.65 35
TOLCHESTER CHANNEL	B32.9	35.0	35.8	34.8	6-02	600 6.47 35

A. EXCEPT FOR SHOALING TO 34.4 FT AT 39° 12' 16.5" N 76° 31' 00.1" W

B. EXCEPT FOR SHOALING TO 30.1 FT AT 39° 12' 35.0" N 76° 15' 17.5" W

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

Chart 12281

NM 19/03

CURTIS BAY AND CREEK CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2000						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH (FEET)
CURTIS BAY CHANNEL	48.7	49.9	48.2	11-00	400-1275	1.96 50
CURTIS CREEK						
LOWER REACH	34.4	35.6	35.3	11-00	200	0.54 35
MIDDLE REACH	19.3	20.7	17.6	8-99;7,8,11-00	200-380	1.09 22
UPPER REACH	18.4	17.0	13.5	8-99;8-00	200-100	0.55 22

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

**SECTION I**

NM 19/03

Chart 12281

NM 19/03

BALTIMORE HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (MLLW FEET)
BREWERTON CHANNEL	48.2	50.8	50.5	48.7	6-00, 1-01	700 3.06 50
BREWERTON ANGLE	A47.5	50.1	49.4	48.4	10-00, 1,2-01	700-1460 0.79 50
FORT MCHENRY CHANNEL	48.4	49.0	47.9	46.3	10-00, 8-02	700 3.77 50
FERRY BAR CHANNEL						
EAST SECTION	33.2	35.0	36.0	36.4	8-02	600 1.23 42
CURTIS BAY CHANNEL	48.7	49.9	49.9	48.2	11-00	400-1275 1.96 50
NORTHWEST HARBOR						
EAST CHANNEL	42.9	45.8	45.4	44.1	12-00, 8-02	600 0.99 49
EAST CHANNEL TURNING BASIN	45.0	48.0	47.8	45.6	12-00	600-950 0.16 49
WEST CHANNEL	39.0	40.3	40.1	37.2	11,12-00	600 0.57 40
WEST CHANNEL TURNING BASIN	38.2	38.0	37.1	37.0	11-00	600-1068 0.26 40

A. EXCEPT FOR SHOALING TO 34.4 FT AT 39° 12' 16.5" N 76° 31' 00.1" W  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12282

NM 19/03

BALTIMORE HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (MLLW FEET)
CRAIGHILL ENTRANCE	47.5	50.7	50.4	49.2	2-02	700 3.09 50
CRAIGHILL CHANNEL	48.6	49.9	50.1	49.0	3-02	700 2.80 50

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

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 19/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	45/02	11312	3	21,26,28,36,46/02;1,6, 7/03	11377	4	26*,40,50/02;2/03	11498	16	19/02*
20	3	18/03	11313	22	31/02	11378	32	11*,12,18/03	11502	28	14,17/03
22	1	18/03	11314	22	17/03*	11382	39	46/02*,9/03	11503	39	38*,39,43/02;12,14, 17/03
50	5	17/02	11315	30	37/02*	11383	49	19*,22,27,30,32/02;9, 18/03	11504	15	12/03
52	1	18/02	11316	39	17/03*	11384	32	18,22,30,32/02;9/03	11505	1	16,18,26,28,31,34,40, 49/02;1,4,5,11/03
53	2	17/02	11317	29	20*,21,25,37,40,49/02; 16,19/03	11385	25	23/02*	11506	40	10*,19/03
70	4	7/03	11318	1	N21,N29,N46/02;N6/03	11388	16	17/02	11507	31	9*,12/03
71	4	7/03	11319	31	17*,19/03	11390	22	23*,27,33,34,37/02;7/03	11508	21	10/03*
72	4	7/03	11320	1	N28/02	11391	22	18,23,33,34/02;7/03	11509	27	20/02;1,11/03
101	3	48/02	11321	29	22,28,39,40,41,45/02	11392	6	34/02	11510	18	34/02
103	5	16/03	11322	28	19/03*	11393	20	18/02	11511	16	11/03
108	9	32,35/02	11323	59	26*,28,33,37,39,45/02;1, 6,7,9/03	11400	34	23,39/02;4,9,11,12,13/03	11512	59	10*,11,15/03
124	10	18/03	11324	32	22*,24,25,31,33,37/02;1, 6,7,9,10,16/03	11401	29	23/02	11513	23	18,32,49/02;1/03
301	1	14/03	11325	34	19*,21,24,35,37,49/02;4, 6,8,16/03	11404	21	15,23,50/02;9,19/03	11514	26	37*,40,49/02;4,5,15/03
302	1	2/03	11326	31	7*,9,16/03	11405	28	31/02*,9,19/03	11516	29	18,24,37,49/02
310	20	2,14/03	11327	30	16,21,22,24,28,37,49/02;	11406	11	9/03	11517	17	32/02
400	3	23,26,31,32,33,35,45/02	11328	22	21,36,37,39,47,49/02;4,6, 16/03	11407	18	15/02*	11518	33	14*,19/03
401	5	22,23,26,31,33,35,45/02; 14/03	11329	34	19*,21,24,35,37,49/02;4, 6,8,16/03	11408	28	3/03*	11520	40	31*,39,40,44,46,51/02;4, 6,7,8,19/03
411	49	19/03*	11330	14	2*,4,6,7,8,17,19/03	11409	27	4,11/03	11521	26	15*,17,32,35/02;9,19/03
501	12	9*,10,18/03	11331	18	17,23/02;8,19/03	11411	14	43*,45/02;7/03	11523	21	15*,17,32,35,52/02;5,9, 19/03
502	2	52/02	11332	28	42*,43,49,51/02;6,17, 19/03	11412	41	42*,45/02;1,6,7,11,12,13, 14/03	11524	46	8*,11,12,13,15,17,19/03
507	2	45/02	11333	1	N28/02	11415	5	42*,45/02;1,2,7,14/03	11525	6	N17,N19,N23,N39,N40, N44,N46,N51/02;N4,N6, N8/03
508	2	15,24,45/02	11334	34	21,24,36,37,39,47,49/02;	11416	5	42,48/02;1,2,6,11,12, 14/03	11527	16	37/02
513	6	17,38/02	11335	30	14,8,10,16/03	11420	26	20,39,42/02;4,7,8,15/03	11528	21	31/02*,11/03
520	127	20,38/02	11336	14	2*,4,6,7,8,17,19/03	11423	7	N20,N24,N39,N42/02; N4,N8,N15/03	11531	20	15*,37/02
521	11	17/02	11337	18	17,23/02;8,19/03	11424	18	14/03	11532	32	17/03*
522	87	18/02	11338	28	42*,43,49,51/02;6,17, 19/03	11425	34	46*,49/02;4/03	11533	12	25,46/02
523	8	17/02	11339	1	N28/02	11426	35	31/02*	11536	15	19*,40/02;4,7/03
524	12	18,47/02	11340	67	2*,5,6,7,8,9,14,17,18, 19/03	11427	33	2/03*	11537	33	17,20,23,31,32,33,39,40, 42,44,50/02;4,5,7,10,13, 18/03
525	3	18/02	11341	39	14*,17/03	11428	32	52/02*,6/03	11539	18	39,44,51/02;6/03
526	10	18,47/02;6/03	11342	51	17,21,23,24,30,37,43, 49/02;4,8,17/03	11429	21	47/02*	11541	33	8*,9,14/03
530	30	22*,26,37,38,40,52/02;6, 10,18/03	11343	36	17,21,23,37,40,49/02;4,8, 17,19/03	11430	25	17/03*	11542	15	39/02
531	21	18*,47,52/02	11344	35	9*,19/03	11431	12	31/02*	11543	22	18,29,39/02;8/03
532	17	17,38/02	11345	31	9/03*	11434	24	21/02*,15/03	11544	37	36/02*,8/03
540	16	51/02;16/03	11346	33	42*,43,47,49/02;4,6,7,8, 19/03	11435	13	N20/02;N8,N15/03	11545	60	45*,47/02;6,8,14/03
541	2	6/03	11347	38	38/02*	11438	11	7,8/03	11547	35	22*,25,29,30,37,47/02;6, 8,14/03
601	4	6,8/03	11348	19	23/02;6,7/03	11439	25	15/02*,6,7,15/03	11548	38	47/02*
602	6	47/02;6/03	11349	40	38*,42,51/02	11441	39	36/02;6,7,15/03	11550	28	17/03*
603	6	47/02;10/03	11350	24	15/02*	11442	33	6,7,15/03	11553	28	8/03*
604	5	18/02	11351	37	15,16,19,22,27,28,30,33, 36,37,38,40,47,51/02;5,6,	11443	30	36/02;7,15/03	11555	38	36/02*,7/03
605	4	6/03	11352	36	3*,7,8,9/03	11444	16	7/03	12200	47	38*,42,52/02;7,12,18/03
606	1	17/03	11353	2	21*,24,25,26,35,38,43, 45,49/02;4,5,7,18/03	11450	8	26*,28/02;15/03	12201	25	N15,N17,N19,N23,N42, N52/02;N7,N12,N18/03
607	1	17/03	11354	23	15,16,19,22,27,28,33,37, 38,40,47,51/02;7,8/03	11451	30	22*,28/02;7,9/03	12204	35	10/03*
621	5	22/02	11355	24	37*,40,51/02	11452	21	31/02*	12205	27	37*,43,52/02;18/03
622	9	20,47/02;6/03	11356	34	28,29,39,40,42,45,47, 51/02;6,7,19/03	11453	16	7/03	12206	29	31*,33,38,46/02;10/03
623	9	47/02;19/03	11357	35	36*,37,40,42,51/02;6,9, 19/03	11454	36	38/02*	12207	20	23,30,52/02;18/03
624	3	22/02	11358	51	23*,24,26,27,31,39,42, 51/02;7/03	11455	16	7/03	12208	8	18,23,30,52/02;18/03
632	8	15,24,45/02	11359	11	22*,26,39/02	11456	36	52/02*	12210	36	8/03*
702	5	7/03	11360	40	1*,2,5,6,8,19/03	11457	35	15,24,26,27,28,29,30,35, 50/02;7,9,12/03	12211	41	10/03*
703	4	46/02;7/03	11361	69	16,17,19,22,24,25,26,27, 31,34,36,45,51/02;6, 19/03	11458	37	47*,50/02;4,12/03	12214	44	14*,19/03
705	3	46,52/02	11362	4	N16,N17,N18,N22,N23, N24,N28,N29,N31,N33, N36,N39,N40,N47/02;	11459	3	50/02;7,9,12/03	12216	27	47/02*,19/03
709	2	50/02;19/03	11363	38	26*,29,35,38,40,43,49, 51/02;4,5,7,18,19/03	11460	38	36*,50/02;6,13,15/03	12217	73	52/02*,1,4,6,7,18,19/03
800	4	17/02	11364	39	3*,4,5,8,9,18,19/03	11461	5	28/02;7,15/03	12222	43	14*,18/03
803	1	17/02	11365	17	52/02*,9/03	11462	24	22*,28/02	12224	23	8/03*
1113A		20,39,42/02;4,7,8,15/03	11366	7	48*,51/02;5,6,7,8,19/03	11463	16	7/03	12225	53	28*,30,31,47/02;4,6,7, 17/03
1114A		23,39/02;4,9,11,12,13/03	11367	31	16,17,25,33/02;19/03	11464	28	28/02;7/03	12226	16	22,30/02;7/03
1115A		1*,2,5,6,8,19/03	11368	22	38/02*,19/03	11465	36	52/02*	12228	29	43/02*
1116A		2*,5,6,7,8,9,14,17,18, 19/03	11369	44	9*,18,19/03	11466	35	15,24,26,27,28,29,30,35, 50/02;7,9,12/03	12230	59	52/02*,1,7,14/03
1117A		28*,30,31,37,39,40,41, 42,45,51/02;1,6,7,8, 19/03	11370	23	17,31,33,40,51/02;9/03	11467	37	47*,50/02;4,12/03	12231	26	31,35,46/02;7/03
11004	7	15,16,18,22,26,28,31,37, 39,40,42,43,45,47,51/02; 5,6,7,8,9,14,18/03	11371	35	7/03	11468	24	7,17/03	12233	35	3*,4,5,6,14/03
11006	30	28*,36,39,40/02;2,6, 19/03	11372	30	2*,7,8,10,19/03	11469	34	8*,12/03	12235	29	30,31,47/02;4,6,7,17/03
11009	36	19,23,24,32,35,44,51/02; 6,12,19/03	11373	42	31*,33,37,40,41,42,45, 49/02;7,9,19/03	11470	36	10*,12/03	12237	26	27,47/02;17/03
11013	44	18*,20,35,50/02;6,7,8,9, 13,16/03	11374	31	45*,49,50/02;1,2,7,8,9, 19/03	11471	4	N15,N24,N27,N28,N29, N35,N50/02;N6/03	12238	37	46/02*,1,4,7,17,19/03
11300	38	26*,28,30,31,37,39,40, 41,42,45,51/02;1,6,7,8, 19/03	11375	35	1*,2,5,7,9,03	11472	37	32,35/02;1,17,19/03	12241	21	16,34,44/02;7/03
11301	23	21,37/02;16/03	11376	48	15,16,21,22,23,25,27,29, 31,40,43,50/02;2,7,19/03	11473	32	15,34/02;13/03	12245	61	14*,15,18/03
11302	29	34*,37/02;16/03	11377	31	28/02*,19/03	11474	21	15,16/02	12248	39	18*,30,33,40,50/02;4,5,6, 8,15/03
11305	1	N21,N26,N29,N36, N46/02;N1,N6,N7/03	11378	35	18,22,28,29,30,34,37, 38/02;12/03	11475	30	16,27,51/02;13/03	12251	23	35/02;4,6,7,15/03
11307	36	28,31/02	11379	31	45*,49,50/02;1,2,7,8,9, 19/03	11476	16	10/02/13/03	12252	23	33,34/02;4,7,10,15,17/03
11308	22	3*,7,10/03	11380	36	21,26,28,36,46/02;1,6, 7/03	11477	4	N15,N24,N27,N28,N29, N35,N50/02;N6/03	12253	42	33,38,42,46,50/02;10, 13/03
11309	36	21,26,28,36,46/02;1,6, 7/03	11381	35	1*,2,5,7,9,03	11478	24	7,17/03	12254	43	38*,43,44/02
11310	1	N21,N46/02	11382	35	15,16,21,22,23,25,27,29, 31,40,43,50/02;2,7,19/03	11479	8	N24,N39/02	12		

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 19/03

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.
12264	28	38/02*/7/03	13212	35	9*,13/03	14090	2	33/02	14872	3	21/02
12266	27	30/02	13213	40	14/03*	14091	6	41/02*	14873	2	35/02
12268	10	22/02*	13214	27	34*,45,45,48/02;5/03	14111	7	14/03	14880	30	33/02;4/03
12270	32	9*,18/03	13215	17	45,48/02;1,5/03	14144	29	21/02	14881	31	28*,33/02
12272	29	26*,27,36,45/02;13,16/03	13216	1	N48/02	14151	2	37/02	14883	42	17,23/02
12273	53	26*,31,36,45,50/02;5,15,17,19/03	13218	38	29,42,45,51/02;5/03	14180	38	21/02	14885	20	51/02
12274	33	37*,50/02;5,15,17/03	13221	53	15,29,44,51/02;2,5,7/03	14203	12	19/02	14901	14	52/02*,5/03
12277	31	26*,50/02;8/03	13223	36	15,52/02;2/03	14204	21	19/02	14902	28	24,25,31/02;4/03
12278	72	26*,36,45/02;19/03	13224	36	44/02;5/03	14206	20	19/02	14903	22	23,32/02
12280	3	37*,43,45,46,47,50,52/02;1,6,7,18/03	13226	5	44/02;6,7/03	14208	28	40/02	14904	25	17,31,32,46/02
12281	49	15/02;12,19/03	13227	13	7/03	14221	26	40,46/02	14905	29	31,35,37/02;5/03
12282	33	31*,44/02;7,8,18,19/03	13228	11	51,52/02	14222	16	46/02	14906	23	5/03
12283	24	8,18/03	13229	27	17,39,42,45,52/02;1,7,19/03	14223	18	3,16/03	14907	25	17/02
12284	15	7/03	13230	46	2*,7,19/03	14225	17	38/02;16/03	14910	23	17/03*
12285	35	11*,14,19/03	13232	4	39,42/02	14226	32	40/02;6/03	14911	20	4/03
12286	29	2*,4,6/03	13233	16	17/02;10/03	14227	28	40/02;6/03	14916	10	45/02*,17/03
12288	19	27/02	13235	5	17/02	14228	11	40/02;6/03	14917	23	17/02;3/03
12289	48	10*,19/03	13236	29	45/02;1,7,19/03	14240	6	16,34/02;1/03	14918	26	25/02;17/03
12300	43	19/03*	13237	38	17,42,48/02;7,10/03	14242	13	34/02	14919	27	24/02
12301	21	N20*,N28,N29,N37,N39,N42,N45/02;N5,N17/03	13241	15	21*,34,42/02	14243	8	19,34/02	14922	19	26*,51/02;9/03
12304	42	28*,42,52/02;19/03	13244	39	22*,48/02;7/03	14244	5	19/02;16/03	14924	27	28*,32/02;5/03
12311	41	15,18,28,31,42,50,52/02;8/03	13246	36	26,27/02;8/03	14260	47	35/02	14926	9	18,31,32,35,37/02
12312	52	10*,15/03	13253	18	3*,8/03	14280	37	35/02	14927	24	21*,31,32,35,37/02
12313	48	18,21,27,31,33,43,52/02	13260	38	28*,36,43,48,49,50/02;1,7,9,18/03	14310	2	52/02;12/03	14928	21	4/03*
12314	30	46*,50/02;5/03	13263	7	N20,N21,N25,N27,N36,N43,N48,N49/02;N1,N7,N9,N18/03	14340	25	16,17,26,33,37,40,52/02;12/03	14929	24	14/03*
12316	29	2*,6/03	13264	103	21,36,49/02;9/03	14341	5	12/03	14930	24	45/02
12317	31	15*,26,37,50/02	13267	30	17,19,27,52/02;1,7,9/03	14342	20	52/02	14931	24	35/02*
12318	41	9/03*	13270	59	17,19,33,40,43/02;1,2,7,12/03	14344	2	37,40/02	14932	22	32/02;9/03
12323	23	19,40/02;4/03	13272	47	19,28,40/02;8/03	14345	5	37,40/02;12/03	14933	24	35*,37/02
12324	30	2*,8/03	13274	24	17,19,27,45,52/02;1,2,16/03	14347	7	16/02	14934	27	17/03*
12326	48	17,18,27,28/02;4,8,17,19/03	13275	27	17,19,27,45,52/02;1,2,7,16/03	14350	27	52/02*	14935	21	17/02
12327	96	1*,2,8,12,13,14,16,18,19/03	13276	21	19,27,52/02	14352	17	15/02	14937	24	52/02*,2,17/03
12331	30	8*,13,14,18/03	13278	25	1,9/03	14377	16	15,19/02	14942	25	35/02
12332	21	15,22,43,46/02;13,18/03	13279	29	1/03	14379	16	15/03	14963	20	51/02
12333	32	46*,47/02;5,12,16,18/03	13282	10	12/03	14380	16	15/02	14965	21	11/03*
12334	65	10*,12,16,19/03	13283	18	1,9/03	14381	23	5/03	14966	25	14/03*
12335	39	1,8/03	13286	29	39*,40,50/02;1,9/03	14382	16	10/03*	14967	22	5/03
12337	22	15,20,28,31,45/02;13,18/03	13288	40	15*,20,23,29,36,43,50,51/02;7,51/02	14383	24	21,22/02	14972	25	21/02
12341	25	22/02*	13290	34	20,36,40,43,50,51/02;7,16/03	14385	16	22/02	14973	27	15/03*
12343	18	37/02*/7/03	13292	36	20*,36,40/02;7,16/03	14386	13	24/02	14974	24	32/02
12345	10	42/02*	13293	33	26*,29,43,51/02;14/03	14387	24	20/02*,5/03	14975	33	52/02*
12347	29	25/02	13295	11	2*,14/03	14388	4	19/02	14984	9	18/02*
12348	33	25/02	13296	25	43/02	14389	3	19/02	14995	11	52/02*
12350	57	39*,49/02	13298	10	43,52/02	14390	21	2/03*	15313	1	15/03
12352	29	34/02;17/03	13301	20	25,33,51/02	14391	21	2/03*	15562		N41/02;N16/03
12354	39	22,28,33,37,45/02;2,6,7,10/03	13302	21	20,25,41/02;2,7,9/03	14392	19	11/03*	15585		N14/03
12358	19	46*,49/02;1,7,10/03	13303	12	48/02*,7,9/03	14393	19	11/03*	15744		N30/02
12362	16	49/02	13305	28	20,54,41,49/02;2,7,9/03	14394	30	1/03*	15880		N41/02
12363	39	18,28,44/02;6/03	13308	11	40/02	14395	25	24/02	15954		N47/02*
12364	33	20*,22,28,44,47,49,51/02;4,6/03	13309	28	42/02*,9/03	14396	27	4/03*	16003	16	18/02*,13/03
12365	26	18/02;6/03	13312	21	10/03*	14397	5	21/02	16004	11	13,17/03
12366	27	51/02	13313	19	21,25,41,49,52/02;6,9/03	14398	29	18,23,39,51/02;2/03	16006	33	6/03
12367	23	18/02	13318	18	38*,41,52/02;5,6/03	14399	35	20,26/02	16011	35	38/02;8/03
12368	26	42/02*	13322	9	19/02*	14400	31	39/02	16012	21	38/02
12369	25	31*,44/02	13323	7	5/03	14401	27	42/02*	16013	28	17,22,29,52/02
12370	18	39/02*	13324	13	41,52/02;2/03	14402	19	11/03*	16042	7	39/02*
12371	22	28,47/02;6,13/03	13326	12	41,43/02	14403	30	24,40/02	16061	8	19*,27,37,49/02;13,17/03
12372	31	45*,47,48/02;2,5,6/03	13329	2	6/03	14404	57	21/02	16300	8	52/02;3,8/03
12373	14	2/03	13334	3	39/02*,9/03	14405	11	18,23,39,51/02;2,4/03	16305	9	8/03
12375	21	22/02	13336	4	9,19/03	14406	12	23,39,51/02	16322	7	8/03
12377	14	22,25,37/02	13338	3	19*,36/02	14407	16	18,23,39,40/02;2/03	16363	12	38/02*
12378	14	2,13/03	14002	57	21/02	14408	11	18,23,24,39,40/02;2/03	16383	8	8/03
12401	7	31*,47/02;2,13/03	14003	6	16,25,48,49/02;5,9,12/03	14409	30	24,40/02	16382	10	17/02
12402	8	31*,33,47/02;13/03	14008	76	21/02	14410	56	23,24,31/02;9,17/03	16435	5	27/02
13000	N21	N25,N37,N48/02;N9,N18/03	14010	5	21,35/02	14411	36	9/03*	16440	13	37/02
13003	46	9*,12,18/03	14018	6	16/02	14412	22	33,36,39/02;12/03	16441	7	37/02
13006	30	39*,44,48,49,50/02;1,5,9,17,18/03	14024	5	33,36,39/02;12/03	14413	45	19/03*	16442	6	37/02
13009	30	42*,48,49/02;1,9,18/03	14040	65	40/02	14414	45	37/02,7,17/03	16480	10	38/02
13200	33	25,37,48/02;7,9,18/03	14044	44	6/03	14415	13	24/02,17/03	16500	9	9/03
13201	10	N25,N37,N48/02;N9,N18/03	14061	27	6,9/03	14416	35	21,24/02	16520	21	2/03
13203	12	37/02	14066	19	6/03	14417	28	26/02*	16521	5	27/02
13205	36	37,42,45,48/02;1,5,03	14067	11	6/03	14418	30	24/02	16528	16	9/03
13209	23	37/02	14083	30	33/02	14419	16	4/03	16529	14	50/02;9/03
13211	13	21,23,47/02	14087	58	33/02	14420	51	21*,23,24,25,26,31,37/02,7,17/03	16530	6	50/02
			14088	10	41/02*	14421	45	19/03*	16531	7	18/02*
			14089	29	41/02*	14422	13	21*,23,24,25,26,31,37/02,7,17/03	16535	12	2/03
						14423	34	50/02*	16549	14	4,16/03
						14424	35	21,24/02	16553	3	17/03
						14425	28	26/02*	16556	4	8/03*
						14426	30	24/02	16566	10	17/02
						14427	26	43,37/02	16568	12	39/02*
						14428	16	4/03	16575	1	39/02
						14429	25	32/02	16576	3	42/02;6/03
						14430	2	21/02	16580	11	39/02

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 19/03**

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.
16590	10	38/02*	17513		N42,N43/02;N15/03	18476	4	17,22,32,39/02;7,9/03	18761	2	N20/02
16592	9	16/03	17515	7	6,15,16/03	18477	5	7/03	18762	15	20/02
16593	11	14/03*	17517	8	6,15,16/03	18480	29	2*,6,7/03	18763	9	20/02
16594	13	2/03	17518	7	P44,48/02;16,18/03	18484	10	28,40/02;15/03	18765	15	18*,25,45,50/02;12/03
16595	14	2/03	17519	13	16/03	18485	15	2*,10/03	18766	7	25,45,50/02;12/03
16596	12	39/02*	17520	2	N6,N16/03	18500	28	19*,22,32,39/02;12/03	18768	4	N25,N45,N50/02;N12/03
16597	8	16,43/02	17521		N15/03	18502	84	30*,32,39,42,49/02;9/03	18769	2	N20/02
16598	9	43/02	17522		N15/03	18504	65	19/03*	18772	46	20,25,50/02;12/03
16599	6	16,43/02	17523		N15/03	18520	24	33,39/02	18773	38	18,20,23,25,50/02;10,12,13/03
16603	7	42/02;6/03	17524		N12,N15/03	18521	69	34*,39,49/02;4,10,12/03	18774	10	35/02*,10,16/03
16604	11	22/02*	17525		N15/03	18523	53	15,25,26,33/02;4,12/03	18775	2	N20/02
16606	11	37/02*	17526		N15/03	18524	33	18*,26,28,31,33/02;4,6,10/03	19002	9	N23,N25,N37,N51/02;N16/03
16608	3	6/03	17528		N43/02;N6,N12/03				19004	36	23,25,35,37,51/02
16646	12	8/03	17541	3	43/02	18525	33	15,28,31,33/02;4,9/03	19007	16	51/02;16/03
16660	28	22,25,29,42/02;6,16/03	17542	6	47/02	18526	55	15,16,28,31,33/02;4,18/03	19008	4	16/03
16662	6	22,29/02	17543	17	41/02	18527	21	16,31/02	19009	4	16/03
16663	6	22,25,29,42/02;6,16/03	17545	13	43,47/02	18528	10	52/02*,18/03	19010	17	45*,51/02
16665	7	22,25,29,42/02;6,16/03	17546	22	42,43,47/02	18529	10	52/02*	19013	16	25,51/02
16680	10	6/03	17548	28	16/03	18531	20	26,31,34/02;9,10/03	19320	16	23,27,35,37,51/02;5,16/03
16681	10	37/02*	17549	6	47/02;15/03	18532	20	10/03			
16682	15	8*,17,19/03	17550	4	15,42,43,P44,45,47,48,52/02	18541	8	21/02*	19324	22	27,35/02;5/03
16683	9	3,6,17/03				18548	5	8/03*	19327	10	23/02
16700	27	21*,49,52/02;9,16/03	18000	8	45/02;6,10/03	18557	37	19*,39/02	19339	1	N25,N35,N49,N51/02;N5,N13/03
16701	18	21*,52/02;9/03	18002	6	N45/02;N2,N6,N10/03	18561	11	33,39/02;10/03	19340	26	25,35,49,51/02;5,13/03
16702	10	38,52/02;1,9,13/03	18003	18	26,33,38,39,40,P44,45,47,48/02	18580	21	26,33,38,39/02	19347	17	25/02
16705	19	49/02;16/03				18581	17	49/02*,4/03	19350	11	27/02
16707	10	34,37/02;16/03	18005	4	N20,N34/02;N6,N10,11/03	18583	38	31,33,42,49/02;12/03	19351	9	25/02
16708	25	37,49/02;16/03				18584	47	30,39,49/02;4,6/03	19357	22	42*,49,51/02;5,13/03
16709	22	15*,49/02	18006	3	N6/03	18587	68	25,30,33,39,42/02;4,6,9,10/03	19358	20	28/02*
16711	2	15/02*	18007	31	20,26,33,34,37,38,39,40,47,52/02;18/03	18588	36	32,33,49/02	19359	10	12,16/03
16712	1	16/03				18600	14	15*,33,37,38,40/02	19360	1	N37,N51/02
16713	2	49/02	18008	7	N20,N26,N33,N34,N37,13/03	18601	13	10/03	19362	12	49/02
16741	9	46/02				18602	11	26,32,33/02;10/03	19366	36	31,49/02;5/03
16760	10	51/02	18009	2	N34/02;N6,N13/03	18603	16	9*,10/03	19367	37	22,31,49/02;10/03
16762	9	26/02*	18010	20	33,34,37,38,39,40/02;6,13/03	18620	23	35/02*	19369	5	22,31,49/02;10/03
17003	4	47,52/02				18622	52	26,28,49/02	19379	1	N25,N51/02;N5,N13/03
17005	10	41,45,47,52/02	18020	36	20,34,37,45/02;6,10,13/03	18623	11	34/02	19380	14	25,51/02;5,13/03
17008	12	43/02				18626	15	37/02;10/03	19381	8	25,49,51/02
17300	30	52/02*	18022	33	23,34,37,45/02;6,10,13/03	18640	24	15,24/02	19383	17	49/02;5/03
17302	18	21*,51/02				18643	16	24,49/02	19385	7	20/02*
17303	9	15,37/02	18400	43	2*,6,16,18/03	18645	24	15,19,50/02	19387	9	N25/02
17315	23	2*,16/03				18647	15	2/03*	19401	8	10/03*
17316	20	28/02*,3/03	18403	21	6/03	18649	62	15,19,20,23,33,36,38,41/02;4,6/03	19402	6	9/03*
17320	15	15/02;13/03				18650	51	28*,33,38,41/02;4/03	19421	7	8/03*
17323	10	13/03	18405	12	43/02;16/03	18651	42	15/03*	19442	5	14/03*
17327	20	5/03				18652	31	18,19,20,23,26,27,30,33,38,41,49/02;4,6,7,12,16/03	19461	7	10/03*
17330	7	15/02	18411	5	N16/03	18660	1	30,49/02;7,16/03	19483	6	11/03*
17360	32	44/02;1,6,8,11,12/03	18415	8	42/02;7/03	18661	27	15*,16/03	21005	5	45/02;2/03
17379	1	15*,20/02	18416	6	P44,48/02	18662	20	30/02;7/03	21008	62	39,42,43,50/02;1,2/03
17382	14	44/02;1,6,8,11,12/03	18418	6	15/03	18663	5	14/03*	21011	5	2/03
17383	1	31*,49/02;8/03	18419	11	47/02;12/03	18665	53	19/03*	21014	72	42,50,52/02;2,3,4/03
17384	7	44/02	18421	45	2*,18/03	18667	18	26,27,30,32,37,30,33,38,41,49/02;4,6,7,12,16/03	21017	50	23,41,50/02;4,5,6,9/03
17385	14	14/03*	18423	33	1*,5,7,9,15,18/03	18668	14	26,30,49/02;7,16/03	21020	42	23,41/02;5,6,7/03
17400	16	15,36/02;10,12/03	18424	25	7/03	18669	9	15,19,36,38,41/02;4,6/03	21021	3	45/02;13/03
17401	10	1/03	18427	21	35/02*,7,19/03	18670	24	28*,38,49/02;12,16/03	21023	41	34/02;7,8,9/03
17402	10	46/02*				18671	18	30/02;7/03	21023	46	20,32/02;1,16/03
17405	14	12/03	18428	9	19/02*	18672	53	19/03*	21036	7	1,16/03
17409	10	39/02*	18429	9	3/03*	18673	18	26,27,30/02;4/03	21120	27	47,50,51,52/02
17413	2	43,50/02;10/03	18430	7	28/02*,6/03	18674	18	26,37/02;4/03	21121	18	47/02
17414	3	41/02	18433	5	2/03*	18675	14	36,37/02;4/03	21122	5	47/02
17416	3	10,14/03	18434	4	15,26,P44,48/02;6,9/03	18676	1	26/02	21125	13	51,52/02
17420	26	36,37,42,43,50/02;1,10,12,14/03	18440	26	3*,15,18/03	18677	31	25,6,12/03	21126	1	50/02
17422	8	52/02*	18441	15	17,39/02;6/03	18678	13	8/03*	21140	1	45,50/02;12/03
17425	6	18/02*				18679	21	34,36,37/02;4,6,10,13/03	21141	23	48/02
17426	13	37/02;1,16/03	18444	15	17,39/02	18680	24	36,37/02;4/03	21160	1	45/02
17427	7	16/02	18445	29	15,17,22,28,32,33,39/02;6,7,9,10,15,18/03	18681	24	35/02;4/03	21161	19	43,48/02
17428	7	5/03				18682	31	23,35/02;4,6,10,12/03	21180	1	2,7/03
17429	2	N38/02*	18446	15	6,7,9,18,19/03	18683	11	35/02;6,10/03	21182	34	39/02
17430	10	5/03	18447	26	27,52/02;6,7,10,18/03	18684	17	5/03	21200	1	2/03
17434	11	5/03	18448	32	15,17,33/02;10,15/03	18685	3	6/03	21301	13	3,12/03
17437	8	16/02	18449	17	15,17/02;7/03	18686	26	23,35/02;4,6,12/03	21342	28	41,44/02
17438	12	16,50/02;10,14,15/03	18450	17	9/03*	18687	39	16,20,23,34,37,45,50/02;5,13/03	21384	3	23/02;6/03
17441	7	10,15/03	18452	16	17/02	18688	16	26,20,23,25,27,40/02;5,6,16/03	21401	20	7/03
17443	12	10/03	18453	24	14/03*	18689	38	16,18,20,23,32,34,37,45,50/02;5,13/03	21441	27	34,44/02
17445	2	16/02;10,14/03	18455	2	N17,N22,N39/02;N15/03	18690	34	20,23,34/02;5,13/03	21478	3	9,16/03
17446	N10/03		18457	9	15/02	18691	38	16,18,20,23,32,34,37,45,50/02;5,13/03	21510	1	9,16/03
17460	N5/03		18458	15	19/03*	18692	38	16,18,20,23,32,34,37,45,50/02;5,13/03	21563	3	45/02
17465	4	6,12/03	18459	5	N17,N22,N32,N39/02;N9,N15/03	18693	38	16,18,20,23,32,34,37,45,50/02;5,13/03	21602	1	28/02
17471	N15/02;N6/03		18460	11	2*,6,7/03	18694	30	37/02	21603	9	5/03
17472	4	5,14/03				18695	34	20,23,34/02;5,13/03	21605	7	19/02
17480	4	15,43/02;5,10/03	18464	22	32/02;7,15/03	18696	16	36/02	21661	12	6/03
17482	N7,N14/03		18465	35	2*,15/03	18697	10	13/03	2200		

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 19/03

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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.
22008	35	18,30,34,36,39,41,43,44, 48,52/02;6,14,17/03	22408	1	N10/03	24222	3	27/02	25609	5	30/02
22012	31	16,30,34/02;6/03	22409	4	N45/02;N10,N17/03	24223	33	18/02	25613	2	30/02
22032	20	19/03	22410	32	43,44,46/02;19/03	24230	20	18,30/02	25640	40	28/02*;15/03
22036	28	18,47/02	22413	N45/02		24233	15	36,43/02	25641	26	30/02
22050	4	19/02;12/03	22417	1	N10/03	24234	3	30/02	25644	12	42/02
22051	18	28/02	22418	2	24,36,44,46/02;19/03	24240	5	30,39/02;7/03	25645	17	15/02*
22052	6	28,46/02	22420	2	4,11,15,19/03	24250	5	30,39/02;7/03	25646	7	N42/02
22080	3	20,32/02	22421	4	N43,N44,N46/02;N11/03	24251	23	24,34,43/02;6/03	25649	18	18,30,35/02;4/03
22082	4	17,19/02;13/03	22423	3	N11/03	24252	5	30,39,43/02;6/03	25650	33	22*,30/02
22083	5	19/02	22425	2	44,46/02	24260	5	34/02	25653	13	8/03*
22084	4	42/02	22427	1	N43,N44,N46,N50/02; N11/03	24270	3	24,27/02;17/03	25663	27	19/02*;17/03
22090	2	30,32,43/02;4,17/03	22429		N24,N46/02;N10,N14, N17,N19/03	24271	14	17/03	25664	15	17/03
22100	3	20,32/02;12/03	22430	6	19/03	24274	2	17/03	25666	17	17/03
22101	19	16,20,32,43/02	22433	3	39,47/02;11,14/03	24290	3	36,43/02	25667	20	15/03
22102	19	17/03	22436	2	39/02;10,14/03	24291	4	36/02	25668	18	15*,16,48/02;13/03
22109	3	17/03	22440	1	19/03	24292	4	36/02	25670	41	26,38,48,49/02;4,5,13/03
22111	4	32/02;17/03	22447	31	18,44/02	24293	6	32,36/02	25671	17	15/03
22112	3	23,25,30,32,43/02;17/03	22481	35	43,44/02;19/03	24294	22	36/02	25673	15	28,42/02
22113	8	23,25,30/02;12,17/03	22482	16	44,50/02	24311	4	27/02	25677	19	21,52/02
22114	5	16,32,42,43/02;17/03	22521	3	12,17/03	24312	4	27/02	25681	15	4/03
22120	3	18,23,30,34,36,39,41,43, 52/02	22523	3	12,17/03	24320	4	27,28,34,43/02;6,17/03	25683	17	30,49,52/02;5/03
22121	9	17,23,30,34,36,44,52/02	22529	3	12,17/03	24321	3	6/03	25687	11	15,35/02
22124	2	17,34,52/02;6/03	22531	2	12,17/03	24322	6	28,34/02;6,17/03	25700	3	15/03
22125	1	18,36/02	23000	5	18/02	24350	2	31,51/02;18/03	25720	3	33/02
22126	1	36/02	23010	4	27,38/02	24355	2	51/02	25800	3	24,36/02
22130	2	44/02;14,17/03	23023	4	27/02	24370	1	34/02	25841	9	24,36/02
22138	2	18,41,44,48/02;6/03	23030	6	27,38/02	24375	2	34/02	25848	25	5,13,15/03
22140	2	30,34,36,44/02	23115	3	27/02	24380	2	35/02	25849	13	42/02;12/03
22142	2	39,41,43/02	23121	7	30/02;17/03	24388	2	35/02	26001	4	9/03
22143	3	17,41,52/02;14/03	23122	8	23,30,33/02	24404	8	21,26,35,44,48/02	26050	1	34/02
22145	2	N41/02	23123	3	30/02	24405	10	26,35,36,44,48/02	26060	1	49/02
22160	2	30,34,39,41,48,52/02	23124	3	N30/02;N17/03	24406	30	20,26/02;2/03	26068	11	18/03
22170	3	30,39/02;6/03	23125	4	30/02;17/03	24410	2	21,44/02	26081	8	46/02;16/03
22172	8	48/02*;4,6/03	23126	6	N24/02*	24430	5	39/02;8,11/03	26083	14	29/02
22173	36	48/02*;6,17/03	23127	4	N24/02*	24431	14	39/02	26122	29	13/03
22180	2	30,34/02	23128	4	N24/02*	24434	4	39/02	26127	21	49/02;5/03
22181	16	17,27,39,41/02	23129	2	N24/02*	24452	7	16,26/02	26128	50	49/02;5/03
22182	6	30,34/02;14/03	23131	7	26,31/02;12/03	24454	5	5/03	26129	11	26/02
22183	3	20/02	23141	7	34/02	24460	4	15,17,39,47/02;15/03	26142	10	24,33/02
22190	2	30/02	23142	10	8/03	24461	4	16/03	26210	2	24,36/02
22205	2	16/02;12,18/03	23150	10	20,37,52/02	24462	5	15,47/02;16/03	26229	11	17/02
22221	20	20/02	23151	3	12/03	24463	6	24,39/02;12,15/03	26230	12	17/02
22222	1	4/03	23152	3	37/02;12/03	24465	6	15,23,33,47/02	26240	7	23/02;9/03
22225	2	12,18/03	23153	8	20,31/02;12,13/03	24466	1	20,46,47/02;13/03	26244	3	9/03
22233	29	13,18/03	24000	39	27,29/02	24470	4	28,39,47/02	26245	16	51/02;15/03
22250	2	42/02;12,18/03	24004	36	29,30/02	24471	8	28,47/02	26259	2	51/02
22251	11	12/03	24016	53	30,39/02	24480	1	17,25,27,41,44,45,49/02	26260	5	24/02
22259	4	20/02	24020	47	27/02	24482	2	24,49/02	26261	27	8/03
22264	2	20,42/02;13,18/03	24024	46	18/03	24483	2	20,24,49/02	26262	3	8/03
22275	3	20,42/02;12,18/03	24028	6	23,48/02	24484	3	24,49/02	26280	7	23/02
22281	9	12,18/03	24050	11	27,31,34,38,49/02	24490	3	24,31/02	26308	4	15/02
22282	17	19/02;12/03	24052	15	31,37,38/02;14,19/03	24491	3	31/02	26309	26	17/02;11/03
22283	3	N19/02;N12/03	24053	16	24/02;19/03	24492	20	31,46/02	26320	5	15,24,27,28,29,35/02;7, 12/03
22284	7	N10/03	24055	6	37,49/02;14,19/03	24501	3	17,27/02	26323	4	1/03
22290	4	20/02;18/03	24057	4	31,38,49/02	24502	6	46/02	26327	2	N41/02*;N17/03
22293	15	20/02;18/03	24058	2	31,32,37,38/02;19/03	24504	7	17,41,45,46/02	26328	2	15/02
22294	15	12/03	24060	2	34/02;17/03	24508	2	18,19,41,45,46/02;15/03	27005	4	6,8,9/03
22305	2	18/03	24080	5	29/02;17/03	24509	2	17,45,50/02;15/03	27040	5	9/03
22311	19	8/03	24091	6	26/02;6/03	24510	2	17,18,19,41,45,46,50/02	27041	4	50/02
22312	2	13/03	24092	14	26/02;6/03	24512	3	25,29,44,46/02	27080	4	20/02;15/03
22313	2	44/02;8,18/03	24100	5	27,29/02	24513	18	46/02	27081	6	49/02
22314	1	44/02	24101	3	37,41/02	24517	2	18,19,46,49/02	27082	6	18,49,51/02
22331	2	N10,N19/03	24102	3	37,41/02	25001	7	17,19/02;15/03	27084	4	13/03
22335	4	19/03	24110	3	27,29/02	25017	5	15/03	27100	2	31/02;8/03
22341	9	19,43/02;11/03	24130	14	24,29/02;5/03	25400	1	23,26,35,48/02	27120	4	41,43,44/02
22342	9	19/02	24140	18	32/02	25480	1	20,42,46/02	27142	5	9/03
22343	1	N19,N43/02;N10,N11/03	24141	4	5/03	25481	25	26/02	27160	2	8,13/03
22344	5	N42/02;N10/03	24142	43	5,6/03	25485	45	23,26/02	27161	4	8,13/03
22345	11	42/02	24149	1	32/02	25487	2	23,26/02	27163	21	49/02;8/03
22347	5	N19/02	24150	27	27,29,30,32/02	25524	43	33/02;1,5/03	27183	8	1,9/03
22351	1	N43/02;N12/03	24151	4	29,32/02	25525	17	1,5/03	27186	8	1,9/03
22352	6	12,19/03	24152	2	30/02	25526	2	19,33/02	28004	1	20,23,45/02;8,9/03
22360	2	19/03	24153	6	30/02	25527	31	33/02	28006	1	8/03
22361	2	N10/03	24156	2	22/02	25528	5	21,42/02	28050	3	28,34/02
22370	2	15,19/03	24159	1	27/02	25550	2	17,19,24/02	28084	4	17/03**
22373	1	N50/02;N10/03	24160	21	27,28/02	25563	50	17,33/02;14,18/03	28110	2	15/02*
22375		N19/02;N10,N15/03	24161	11	27,42/02;7/03	25565	7	33/02	28150	3	8/03
22377	1	N10,N13/03	24162	9	22,27,42/02;6,7/03	25566	27	17/02;18/03	28162	29	28/02
22379	1	N50/02;N10/03	24164	6	27/02	25567	16	19/02	28164	17	28/02
22381		N19,N43/02	24170	14	5,6/03	25570	3	19,31/02;16/03	28190	2	41,43,45,46/02;18/03
22395	2	19,42/02;15,19/03	24171	19	5,6/03	25575	4	31/02	28196	4	41,43,45/02;18/03
22403	1	N45/02	24172	4	5,6/03	25600	47	24/02	28202	22	41,44/02
22404	15	46/02	24180	15	8/03	25601	34	17,19,20/02	28210	2	33,35,39,41/02
22406	1	N1/03	24211	7	24/02	25607	4	24,39/02	28220	2	35,39/02
22407	1	N4,N11,N18/03	24220	14	27,28/02</td						

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 19/03**

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.
28223	4	35,39/02	36010	27	16,19,20,22,24,38/02;5,	37103	9	15,27,29/02	37360	15	15,17,27,28,30,32,34, 43/02;2,9,10,11,15,17/03
28260	30	35,37/02			15,16/03	37104	3	41/02	37362	6	17,31,43,48,51/02;1,2,4, 17/03
28263	3	35,37/02	36015	2	17,24,27,36,46/02	37110	11	15,17,18,19,24,27,28,29, 47/02	37363	8	48/02;4,17/03
28264	3	35,37/02	36040	16	19,30/02;1,15/03	37112	1	47/02	37367	1	38,49/02
28265	3	37/02	36046	5	38/02	37115	2	15,17,18,19,27,28,29,33, 47/02;7/03	37380	2	15,17,34,40,42,43,44,48, 51/02;9,10,17/03
28281	32	36/02	36060	17	16,19,31,38/02;5,8/03	37119	2	43/02	37400	10	15,28,34,38,40,41,44, 46/02;6,10/03
28282	2	35/02	36061	5	46/02	37120	2	15,19,24,27,29,39,42,49, 51/02;4,6/03	37401	9	28,32,44/02;4,6,13,14, 16/03
28300	1	23,39,50/02	36062	11	40*/46/02	37121	11	15,24,27,29,31/02	37402	7	28,32,41,42,44,50/02;4, 13,14/03
28302	16	31,33,39,40/02;12/03	36098	6	5/03	37122	12	48/02;19/03	37403	23	24/02;10/03
28310	2	23,31,33,35,39/02	36102	6	13/03	37123	9	19,49/02;6/03	37420	1	34,43/02;1,7/03
28320	6	33/02	36103	9	13/03	37125	15	19,24,42,44,49/02;6,9/03	37421	8	14/03
28321	36	29/02	36104	6	13/03	37126	8	15,41/02	37423	5	14/03
28323	2	27,29/02	36106	7	18,47/02;5,13/03	37127	11	49/02;4,6/03	37441	4	15/02
28325	2	27,29/02;5/03	36117	6	18/02	37129	6	39,42,49/02;4,6/03	37445	1	48/02;1/03
28330	2	27/02	36118	3	5/03	37130	9	18,23/02;1/03	37446	2	1/03
29002	9	18/03	36120	9	16,19,20,22,31,46/02;5,8, 16/03	37132	33	15,17,19,21,22,24,27,29, 31,35,49,51/02;4,6,16/03	37461	9	51/02;6/03
29015	5	22/02;16/03	36122	12	16,19,21/02	37133	4	44/02	37463	6	1/03
29121	5	32/02	36123	25	16,19,21,46/02;11,16/03	37134	5	38/02	37481	7	47,48/02;6,7,14/03
29122	5	32/02	36124	18	16/03	37136	6	38,46,50,51/02	37501	3	46,47/02;7,8/03
29142	3	7/03	36125	7	4/03	37137	6	46,48/02	37505	2	46/02;7/03
35000	26	23,24,47,48/02;14/03	36137	4	38/02	37139	8	18,23/02;1/03	37506	4	45,46,47,51/02;8/03
35008	21	45,48,50/02;5/03	36138	3	39/02;4/03	37140	33	15,17,19,21,22,24,27,29, 31,35,49,51/02;4,6,16/03	38030	1	20,21/02
35009	19	15,40,41,45/02;5,10, 14/03	36139	4	4/03	37141	29	20,21,23,36,40,48,51/02; 4,14,12,17,19/03	38460	7	18/02
35011	2	48/02;1/03	36140	12	21,22,24,36,41/02;4, 10/03	37142	13	17,21,35,38/02;4,10, 11/03	38463	2	N18/02
35016	17	29/02	36141	7	4/03	37145	23	46,50/02;4/03	38480	6	18/02
35031	3	22/02	36142	6	24/02	37147	15	21,35,36,40/02;1,10,12, 16,17,19/03	38580	8	18/03
35036	21	17,19,24,30,36/02;10, 15/03	36143	4	18,34/02;5/03	37148	13	17,21,35,38/02;4,10, 11/03	38585	4	18/03
35040	18	21,45/02;4,8,10,14/03	36161	10	20,24,34,44,45,47,50/02; 4,10,18/03	37149	10	44/02	38603	2	17,21/02
35041	8	21,35/02;4/03	36162	10	20,35,45,47,50/02;4,	37150	8	16,21,22,31/02;14,19/03	38610	1	20/02
35042	9	21,27,44/02;4,14/03			18/03	37151	14	18,21,22,31,34,43/02;1, 14,19/03	41000	2	15/03
35044	9	38/02	36163	13	20,31,34,35,38,44,45,47, 50/02;4,18/03	37152	2	15,17,18,20,21,34,36/02;	41060	3	34/02
35047	5	35/02	36164	7	34,38,44,46/02;8,15/03	37153	12	15,16,17,26/02	42160	3	7/03
35060	14	18,22,40,41/02;10,14/03	36165	6	17,18,20,22,24,28,36, 44/02;10/03	37154	10	21,38/02	42600	5	14/03
35080	16	18,22,40/02	36167	2	24,40/02	37155	10	12,13,15/03	42620	5	14/03
35084	15	50/02	36173	1	40/02	37156	2	15,16,17,26/02;14,19/03	42740	5	34,41/02;6/03
35086	5	31/02	36180	23	17,20,21,22,36,40,50/02; 4/03	37157	2	5/03	42742	3	6,8/03
35088	2	50/02	36181	18	17,20,21,22,36,40,50/02;	37158	20	21,38/02	42760	5	8,19/03
35099	3	41/02	36182	6	20,36,40/02	37159	14	35,47,48/02	43000	4	9/03
35100	14	40,45/02;5/03	37000	22	23,28,47,48/02;14/03	37160	9	48,51/02;10/03	43015	12	9/03
35101	6	41/02	37005	16	17,18,23,41,45,47/02;5,	37161	15	18/02	43030	24	25,28/02;2,9,10,11,12,13, 15,17/03
35103	5	41/02	37010	23	15,16,17,18,23,26,41,45, 47/02;10,12,13,15,19/03	37162	12	15,16,17,26/02	43059	3	44/02
35120	13	40,45,47/02;5/03	37025	26	38,51/02;1/03	37163	2	44/02	43060	4	44/02
35130	3	48,51/02;5/03	37032	2	1,6/03	37164	18	27,28,34,36/02;6,10,11, 12,13,14,15/03	43079	2	41/02
35135	1	5/03	37033	2	47/02	37165	13	15,27,28/02	43082	5	41/02
35136	2	48,51/02	37034	2	8,14/03	37166	11	21,24,27/02;8,14/03	43101	3	46/02
35141	11	34/02	37041	15	17,20,27,50/02	37167	11	39/02;14,19/03	43102	4	46/02
35143	7	34/02	37042	5	17,41,45/02	37168	20	21,38/02	43104	4	46/02
35144	3	11/03	37043	17	17,20,43/02	37169	14	35,47,48/02	43106	6	44/02
35150	3	48/02	37044	16	45/02	37170	11	38/02;14,19/03	43140	4	17,41,48,52/02;12/03
35159	3	25/02	37045	11	45/02	37171	2	39/02	43141	5	52/02;12/03
35163	7	25,44/02	37046	18	21,31,43/02	37172	13	15,16,17,18,20,21,24,25, 27,28,34,36/02;6,10,11, 12,13,14,15/03	43142	4	52/02;12/03
35166	4	35/02	37047	15	17,20,27,50/02	37173	14	26,42/02	43143	4	12/03
35167	3	35/02	37048	11	45/02	37174	11	15/02	43144	4	17/02;6,12/03
35169	2	35/02	37049	5	17,41,45/02	37175	17	27,28,34,36/02;6,10,11, 12,13,14,15/03	43145	4	17/02;12/03
35200	7	48,51/02;5/03	37053	17	17,20,43/02	37176	17	15,16,17,19,20,21,25,28, 30,39/02;8,9,12,14,17/03	43146	2	48/02
35210	3	29/02	37054	16	45/02	37177	15	16,17,20,21,25,28,30/02;6, 10,12,14/03	43150	2	N17/02
35230	3	29/02	37055	11	45/02	37178	18	20,21,25,28,30,32,34,36/02;6, 10,12,14/03	43160	6	17/02
35236	2	38,50/02	37056	14	18,21,24,25,28,30,32,34,36/02;6, 10,12,14/03	37179	15	16,17,20,21,25,28,30/02;6, 10,12,14/03	43161	2	17,41,44/02
35246	2	38,43/02	37057	9	18,26,42,46/02;10,12,	37180	14	16,18,24,25,29,39/02	43163	3	44/02
35247	4	50/02	37058	17	17/03	37181	18	20,21,25,28,30,32,34,36/02;6, 10,12,14/03	43164	3	17,48/02;6/03
35255	3	50/02;14/03	37060	3	17,21,31,46,50/02;9,13,	37182	12	15,16,21/02	43180	5	9/03
35256	2	14/03	37061	15	36,38/02;5/03	37183	4	15/02;1,11/03	43182	4	47,52/02
35270	2	38,46/02	37063	21	16,21,28,36,50/02	37184	15	30/02;1,11/03	43223	4	41/02
35276	3	46/02	37064	8	17/02*	37185	10	15,28/02;1,7,11/03	43225	4	17,52/02
35277	3	38,46/02	37065	7	19/02*	37186	20	1,11/03	43240	4	50,51/02
35279	3	38/02	37068	3	20,22/02	37187	3	30/02;1,15/03	43242	4	52/02
35295	3	27/02	37075	3	21,31/02;5,18/03	37188	2	34,47,51/02;15,18/03	43243	4	50,51/02
35298	7	27/02	37079	5	22/02	37189	11	16,17,26/02	43248	3	9/03
35299	9	13/03	37080	3	17,24,27,30,33,34,38,40, 42,44,45,46,51/02;1,4,7,	37190	14	16,22,27,28,38,44/02;9, 10,11,P12,15,17/03	43263	7	44/02
35301	6	17/03			9,14,15,18/03	37191	10	15,28/02;1,7,11/03	43265	2	44,52/02
35302	7	17/03	37081	23	18,20,21,28,38,43,50/02	37192	20	1,11/03	43270	2	44/02
35303	7	40/02;17/03	37082	9	28,44,50/02;11/03	37193	3	30/02;1,15/03	43276	2	44/02
35308	5	10/03	37083	8	20,22/02	37194	11	16,17,26/02	43281	6	20/02*
35310	2	22/02	37084	9	20,22,38,40,43/02	37195	3	18,24/02;1,7,17/03	43284	4	16,51/02
35330	2	22,38,41/02	37085	8	38,40/02	37196	12	21,24,27,30,33,34,38,40, 42,44,45,46,51/02;1,7,9,14,	43285	5	15,16,44/02
35350	2	38,41/02	37086	8	38,50/02;4/03	37197	15	30/02;1,15/03	43300	5	15,44,47,50/02
35400</											

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 19/03

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.	
43321	6	30,41,47/02	44192	1	21,29,46,48/02;1,18/03	51166	3	N25,N45/02	53088	7	33/02	
43323	4	30/02	44193	1	26/02;1,7,15,18/03	51167	6	45,50/02;2,4,8,10,16/03	53090	1	41/02	
43324	4	30/02	44200	9	20,24,29,34,52/02;4,9,12, 13/03	51168	2	45,46,50/02;2,4,8/03	53093	2	20/02	
43341	7	41/02;12/03	44203	1	20,24,33,48/02;2,5,15/03	51180	5	13,16/03	53100	16	18,19,21,24,28,33,39,42, 51/02;6,10,13,18/03	
43345	4	1/03	44204	1	48,52/02;2,4,5,7,12, 13/03	51200	4	14/03	53101	7	33/02;8,13,16/03	
43360	21	17,28/02;6,10,13,17/03	44205	2	48,52/02;2,5,7,12,15, 19/03	51220	8	33/02;18/03	53104	2	20,35,42/02	
43363	5	45/02	44206	1	46/02;4,5,13,16,17,19/03	51222	6	51/02;16/03	53105	20	37/02;8/03	
43364	5	45,46/02	44207	1	4,5,17,19/03	51223	2	17,18/03	53106	6	19*,20,24/02	
43371	13	22/02	44208	5	49/02;4,5,13,16,17,19/03	51225	3	27/02	53107	16	35/02;6/03	
43372	4	22/02	44209	1	46/02;4,5,13,16,17,19/03	51240	2	33/02	53110	1	29,40/02;10,15,17/03	
43373	8	45/02;17/03	44210	5	46/02;4,5,13,16/03	51260	4	37,50/02;16,18/03	53111	3	31,44/02*	
43374	1	22/02	44211	1	19/03	51261	23	5,6,13,15,19/03	53120	14	18,20,21,27,28,39,42/02; 5,6,7,13,17/03	
43375	7	46/02;6,7,10,12,16,18/03	44212	1	6,13/03	51263	23	49/02;13,17/03	53122	3	20,29,40/02;7,8,16/03	
43384	1	48/02;4,5,6,7,10,11,12, 13,15,16,17,18/03	44213	1	49/02;5/03	51300	4	27/02	53123	3	7/03	
43385	1	27,45,48/02;5,11,13/03	44214	1	49/02;5/03	51341	23	48/02;6,16/03	53125	2	46,51/02;13/03	
44001	2	48,49/02;1,6,7,8,9,11,13, 14/03	44215	8	49,50/02;4,7,13,14,15,16, 19/03	51342	3	1/03	53130	1	27,42,47/02;10,13,18/03	
44015	8	28,31,48,49/02;6,7,8,9, 10,11,13,14/03	44216	2	25/02;5/03	51344	2	5,7,16,18/03	53133	3	41,46/02;16/03	
44030	7	20,46/02;4,8,9,13,19/03	44217	9	29,34,49,50/02;2,6,12,15, 19/03	51380	5	47/02	53135	2	20,51/02;7/03	
44036	5	28/02;13,16,17/03	44218	2	49/02;12,15,19/03	51559	3	41/02	53141	5	20,24,34,51,52/02	
44037	5	16/03	44219	1	49,50/02;13,17,19/03	52031	1	6/03	53147	3	36,39,42,51/02;6,7,10,13, 17/03	
44038	5	18/02	44220	2	50/02;8/03	52040	17	43,50/02;13,16,18/03	53149	2	31/02	
44040	23	28,44/02;6,10,13,16, 17/03	44221	2	41/02;6/03	52043	21	46/02;6,7/03	53160	14	20,51/02;3,6/03	
44041	7	48/02;1,9,10,13,16/03	44222	1	2,15/03	52045	6	36/02	53161	8	51/02;3,8,13,18/03	
44042	7	21,44,45,49/02;4,7,9,10, 11,17,19/03	44223	1	2/03	52046	21	50/02;6,7,16,18/03	53162	7	50/02*;15/03	
44043	8	44/02;1,6,9,10,11,13, 16/03	44224	5	20,29,41,42/02;7/03	52047	11	7,8/03	53164	9	20,37,51/02	
44044	6	6,10,13,16/03	44225	1	27,41,47/02	52051	1	43/02	53165	13	39/02;8/03	
44046	10	18/02	44226	2	21,41,42/02;4,6,9,10/03	52052	1	43/02	53180	10	33,34,43,51/02;1,3,6,7, 13,15,18/03	
44047	22	26,44/02;10,12/03	44227	4	23,29/02;6,8,9,15/03	52055	1	14/03	53181	4	34/02;1,13/03	
44048	11	5,12,18/03	44228	6	19,22,23,29,32,40/02;6, 8/03	52060	16	43,50,51/02;7,12/03	53182	4	36/02;15,16/03	
44049	9	18,44,46,50/02;8,14/03	44229	11	16,20,21,37/02;4,6,8,9, 15,17/03	52061	2	45,48,51/02;7,12/03	53183	13	19*,35/02	
44050	21	18/02	44230	4	25,37,41,42/02;4,6,9,10/03	52062	7	7,12/03	53184	5	32,35/02;1,6,13,18/03	
44051	1	44,48,50/02;1,11,14/03	44231	6	19,22,23,29,32,40/02;6, 8/03	52066	3	50/02;14,16/03	53200	6	33,36,43/02;5,6,7,15, 16/03	
44057	5	21,25/02	44232	1	4,9,10/03	52080	14	50,51/02;4,7,10,11,12, 14/03	53201	6	51/02;18/03	
44061	21	18,21/02	44233	6	21,27/02;4,10,15/03	52082	3	45,46,48/02;11,12/03	53202	6	15,17/03	
44063	8	21/02;17/03	44234	1	7,8/03	52083	2	45,46,51/02;1,6,16/03	53203	11	5/03	
44065	7	15,16,20,25,30,42/02;16, 17/03	44235	1	34,41/02	52084	2	45/02;4,10,11,12,14, 18/03	53204	10	44/02;5/03	
44066	10	16,20,27,39/02	44236	2	15,16,18,20,22,25,26,29, 35,37,40/02;6/03	52085	3	50,51/02;4,11,16/03	53205	3	5/03	
44067	22	16,21,25,29/02;16,17/03	44237	4	48/02;1,6,8,11,16/03	52086	2	45,50,51/02;1,4,9,11, 14/03	53206	6	17/02;5/03	
44068	11	17,18,20,24,26,44/02;10, 11,13/03	44238	4	48/02;4,6,7,8,9,12,15,17, 19/03	52087	1	51/02	53220	6	36,43,51/02;5,16/03	
44069	16	16,18,20,21,24,29,31/02; 11,13,17/03	44239	7	10,12,19/03	52088	2	45/02;4,10,11,12,14, 18/03	53223	5	29/02	
44072	4	21/02	44240	4	4,6,11,12,13,14,15/03	52092	1	46,51/02;16/03	53226	3	3*,17,18/03	
44073	2	21/02	44241	6	36,49/02;8,9,10,11,12,14, 17/03	52120	12	32,51/02;6,11,16,18/03	53242	12	52/02;1,13/03	
44075	4	16,17,21,29,31,42/02; 13/03	44242	2	16,17,28/02;6,10,11,14, 19/03	52121	8	45,46/02;1,6,8,11,16/03	53244	2	1/03	
44076	3	18,25/02	44243	6	31/02;9,12/03	52122	14	45/02;11,14/03	53262	7	22,42/02	
44081	9	15,16,17,20,24,25,39/02; 9,13/03	44244	10	16,17,19,28/02;6,10/03	52125	1	51/02	53263	1	37/02;17/03	
44082	11	15,16,17,18,21,24,25/02; 9/03	44245	2	16,17,19,28/02;6/03	52140	6	45,48/02;3,12,18/03	53264	5	17/03	
44083	8	15,21/02;9,11/03	44246	2	26,28,31/02	52141	5	48/02	53265	6	19,35,41,46,52/02;15, 16/03	
44084	1	6,11/03	44247	22	38/02;7/03	52142	2	12,18/03	53266	4	1,8,13,17/03	
44085	2	21,25/02	44248	31	37/02	52143	8	18/03	53268	4	22,42/02;7/03	
44100	7	15,16,17,18,24,25,26, 44/02;2,9,11,12,13/03	44249	14	37/02	52144	5	50/02;3,7,8,10,14,16, 18/03	53269	5	19/02;17/03	
44105	2	49/02;5,6,8/03	44250	51007	22	38/02;7/03	52161	14	6,11,14/03	53279	3	7,15/03
44120	7	15,16,17,18,21,26,27,28, 29,31/02;2,9,10,15,19/03	44251	51013	4	38/02;7/03	52164	2	14/03	53281	4	31,40,52/02;15,18/03
44140	8	16,26,27,28,29,31,50/02; 1,6,19/03	44252	51017	31	37/02	52170	3	14,16/03	53282	8	40/02
44160	7	46/02;1,4,5,6,11,13,14, 15/03	44253	51022	11	37/02	52172	2	40/02;1/03	53283	4	33,52/02
44161	2	29,50/02;1,2,6,10/03	44254	51061	14	17,15,17/03	52180	14	21,24,42,43,51/02;1,8,10, 13,15,16/03	53284	4	33,40/02;7/03
44162	1	50/02;1/03	44255	51064	2	52/02;1,17/03	52200	8	7,17/03	53285	4	35/02;7,15/03
44163	1	48/02	44256	51081	10	5,6,13,15,17/03	53011	2	51/02	53287	6	20,27,35,42/02;1,5,7,8, 10,15/03
44164	1	46,48/02;1,11,18/03	44257	51082	7	5,7,13,15,17/03	53013	1	17,18,19,21,22,27,28,30, 39,48/02;5,12,14/03	53290	1	35/02
44165	1	46/02;1,5,6,11/03	44258	51103	10	29*,33,45/02	53058	2	4/03	53301	4	27/02
44178	2	21/02;2,5,7,10,16/03	44259	51104	1	29*,33,45/02	53060	14	15,17,18,19,21,22,27,28, 30,32,51/02;4,5,9,10,12, 14/03	53302	4	51/02
44179	2	10,16/03	44260	51105	1	50,51/02;1,13,15/03	53062	13	1,14,16/03	53303	6	49,51/02
44180	6	18,20,24,29,34,44,45,46/02; 1,2,5,7,8,9/03	44261	51106	2	52/52/02;5/03	53063	8	19,28,44,47/02;4/03	53306	2	21,39/02
44181	5	5,10,13/03	44262	51107	3	50,51/02;1,15/03	53064	6	33/02;10/03	53311	3	39/02
44182	4	21,48,49/02;1,2,15,18/03	44263	51108	2	6/03	53065	2	33/02	54040	3	37/02;6,10/03
44183	6	48/02;1,6,8,9,10,19/03	44264	51109	3	47/02	53066	2	33/02	54041	7	18,35/02;4,8,16,17/03
44184	9	21,45,49/02;2,10,13/03	44265	51110	20	48,50,51/02;1,4,5,6,7,14, 15/03	53067	8	17,18,24,51/02;14,16/03	54043	2	15,17,18,29/02;17/03
44185	7	45,49/02;1,2,10/03	44266	51111	4	4/03	53081	8	15,21,30/02;4,5,11,16/03	54060	5	18,37/02;16/03
44186	2	21,45,46,48/02;1,2,5,8,9, 10,15,16/03	44267	51112	18	38,45,46,50/02;2,4,8,10,14, 16/03	53082	13	40/02	54061	11	52/02
44187	2	21/02;5,6,9,13/03	44268	51113	8	25,45,50/02;2,4,8,10,14, 16/03	53083	8	18,19/02;9,10/03	54063	3	1,13/03
44188	6	18,20,24,29,34,44,45,46/02;	44269	51114	9	17,1						

## SECTION I

NM 19/03

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 19/03**

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.
54151	1	15/02;3/03	55043	2	21,23,27,28,37,39,42/02	57484	19	15/03	62241	10	9/03
54161	12	16,17,19/02;10/03	55044	5	22,23,41,43/02;16/03	61000	20	10,15/03	62242	11	47/02;9/03
54165	2	33,37/02	55045	2	18,21,23,41/02	61015	8	17/02	62250	4	34,38/02
54166	3	10/03	55046	4	21,22,23,26,27,30,31,37,	61018	4	18,24/02	62270	4	37,41/02
54167	2	17,19/02			38,39,41,48/02;18,19/03	61020	2	17,28/02	62271	5	37,41/02;10/03
54168	1	37/02;10,17/03	55047	8	22,23,26,27/02	61021	3	18/02	62285	2	26/02
54169	3	16,37/02;17/03	55048	12	23,27,32,36,37,39,41,	61036	8	27/02;7/03	62290	3	26,37,41/02;10/03
54180	6	19,41,43,50/02;5/03			48/02	61040	6	10/03	62292	2	24/02
54195	2	5/03	55049	6	22,27,30,41,43/02	61050	4	10,15/03	62302	2	4/03
54200	4	21/02;5,8/03	55060	7	19,20,36,37/02	61051	7	15/03	62310	2	27/02
54201	6	21/02;8/03	55063	1	6/03	61060	5	12/03	62313	4	17*,27/02
54222	4	21,43/02	55064	3	23,37,48/02;6/03	61061	9	10,12,15/03	62330	2	38,40/02
54223	2	21/02;8/03	55082	9	5/03	61070	4	9/03	62340	3	38/02
54224	2	21/02;8/03	55084	7	39/02	61071	9	18/03	62343	3	8/03
54225	2	21/02	55085	9	5/03	61080	4	9/03	62350	3	10/03
54226	2	50/02	55100	8	29,36,37/02;6/03	61090	5	12/03	62355	6	8/03
54227	2	50/02	55101	4	7/03	61091	5	12,18/03	62360	5	18,38/02;12/03
54266	2	13/03	55102	3	24/02;4,5,15/03	61092	13	18/03	62361	2	N18,N38/02;N12/03
54279	4	50/02*;2,15/03	55103	2	24,29,48/02;1,4,5,7,15,	61100	4	10,12/03	62366	3	38,40/02;2/03
54280	10	15,20/02;5,15/03			19/03	61110	3	28/02	62392	7	18/02
54281	6	20/02	55104	2	48/02;4,5,7,14,19/03	61112	10	17/02	62393	7	34,37,50/02
54282	1	51/02	55105	7	18,29,36,41,42/02;14,	61120	4	28/02	62394	10	34,37,50/02
54283	5	19,20,52/02			15/03	61130	3	28/02	62395	2	34,50/02
54284	1	51/02;15/03	55110	2	23,24,29,37/02;6/03	61140	5	27/02	62400	17	23,24,33/02;4,9/03
54286	4	19/02	55120	2	36/02;6,14/03	61141	6	38/02	62401	9	6,10/03
54287	7	5,15/03	55127	2	10,14/03	61142	6	38/02;7/03	62402	10	10/03*
54288	5	1/03	55128	2	26,33,36,38/02;1,4,5,8,	61170	5	27/02	62404	3	6/03
54289	8	19/02;1/03			14/03	61180	4	20,27/02	62406	2	24,33/02
54300	12	31/02	55129	7	33,36,37/02;6,15/03	61190	4	39,41/02	62408	7	15/02;10/03
54302	1	31/02	55130	2	27,45/02;5,14,19/03	61200	7	17,21/02	62409	6	7/03
54318	3	19/02;1,14/03	55131	1	27,36,45/02;6,19/03	61204	5	13/03	62411	1	52/02
54320	4	20,48/02;1/03	55133	3	5,14/03	61210	6	17/02	62413	11	33/02
54322	7	19,20/02;1/03	55139	5	41/02	61220	5	17/02	62417	1	52/02
54324	8	19/02	55140	2	1,5,14/03	61240	7	18/02	62419	6	33/02;8/03
54327	4	20,31/02	55150	2	24,28,29,37/02;15/03	61250	4	18/02	62420	5	33,37,39/02;8/03
54329	4	5/03	55160	2	18,24,28,29,42/02	61300	2	7/03	62429	9	17,27,39,43/02
54334	3	5/03	55161	1	29/02;17/03	61310	2	33/02;7/03	62431	8	26*,27,37/02
54337	3	19,31/02	55170	2	18,29,31,36,41/02	61311	5	17,33/02	62432	16	13/03*
54339	8	17,31/02;12/03	55175	1	24,28/02	61312	3	17,33/02	62433	12	15,30,31,34,45/02;1/03
54340	8	19,48,51/02;3,4/03	55180	2	33/02;1,15/03	61331	4	7/03	62434	9	40,46,52/02;8,12,17,
54343	10	19,48/02;4,5,11,12,13/03	55190	2	6/03	61400	2	27/02;7/03			18/03
54344	6	19,48/02	55200	2	27/02;8,10/03	61410	2	7/03	62437	9	32,46/02
54346	8	19/02;11,12,13/03	56031	1	1,2,17/03	61430	2	7/03	62439	4	1/03
54347	4	51/02	56042	6	22/02	61433	1	7/03	62440	8	16/03*
54350	4	51/02	56043	6	22/02	61434	2	7/03	62441	10	16,36/02
54351	7	52/02	56044	3	22,38/02	61440	2	15/02	62448	2	23/02
54352	3	52/02;1,3/03	56060	8	33/02;12,16/03	61450	2	17,27/02	62449	4	15/02
54360	12	15,19,20,52/02	56063	1	21/02;16/03	61470	2	15/02	62451	7	21,23/02
54362	3	52/02	56064	6	38/02;2,16/03	61472	1	15,20/02	62453	4	16/03*
54363	3	15,19,20/02	56065	3	33,38/02;16/03	61500	2	17/02	62455	7	17,27,39,43/02
54364	2	52/02	56067	3	48/02*	61510	2	15/02	62456	1	27/02
54365	6	15,19,36/02;11/03	56081	19	41/02	61520	2	15/02	62457	6	11/03*
54366	3	15/02	56083	2	31/02	61522	1	15/02	62459	2	6/03
54367	3	15/02	56100	13	41,49,50/02;1/03	61538	1	15/02	62460	4	24,31,33/02;10/03
54368	4	20/02	56101	6	33/02;1/03	61540	2	15,20/02	62464	2	15*,31,49,50/02;4/03
54369	4	15,52/02	56102	23	1/03	61550	2	17/02	62480	2	16*,18/03
54372	2	20/02	56103	6	18,30/02;1/03	61560	2	15/02;7/03	62490	2	16*,17,18/03
54380	6	19,26,42/02;3,16,18/03	56104	2	41,49,50/02	61562	2	6/03	62498	4	23,25,27,31/02;4,9/03
54382	9	26/02;16/03	56120	12	1/03	61581	5	18/02	62499	4	15*,25,27,31,49,50/02;4,9/03
54386	10	42/02;16,18/03	56191	2	18/02	61582	4	18/02	62510	3	11*,12/03
54387	7	23,42/02;16,18/03	56195	3	22/02*	61610	7	28,29/02	62512	3	N11*,N12/03
54389	8	43,52/02	57029	9	12/03	61611	11	28/02	62515	2	26,45/02
54400	8	20,32,43/02;3,16/03	57035	10	10,12/03	61612	4	28/02	62520	5	15,17,20,30,31,37,43, 49/02;10,13,18/03
54402	4	52/02	57063	5	40,41/02	61650	3	17/02;12/03	62521	3	N15,N17,N20,N30,N31, N37,N43,N49/02;N10, N13,N18/03
54403	4	22,43,52/02	57064	3	41/02	62000	20	18,46/02	62530	5	31,33,43/02;8,13,18/03
54404	4	19/02	57101	18	41/02	62001	5	11/03*	62531	3	N31,N33,N43/02;N8, N13,N18/03
54407	4	32,43/02;3,7,16/03	57103	2	16/03	62024	13	38,40/02	62540	6	17*,18,21,23,25,26,29, 31,32,34,40,45,48,50, 52/02;8,12,17,18/03
54409	2	23,32/02;7,8,12/03	57120	13	43/02	62028	15	18/02;10/03	62541	3	N17*,N18,N21,N23, N25,N26,N29,N31,N32, N34,N40,N43,N48,N50, N52/02;N8,N12,N17, N18/03
54413	3	31/02	57140	10	43/02	62032	16	11*,17/03	62550	3	16/03*
54414	4	32,43/02;3,7,16/03	57141	14	43/02	62033	3	N11*,N17/03	62560	4	16*,18/03
54419	2	3/03	57142	6	43/02	62046	3	19/03*	62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48,50/02;8, 12,17,18/03
54421	6	28,47/02	57160	10	43/02	62050	6	18,44/02	62580	3	23,26,32,33,45/02;12/03
54422	4	19/02*	57161	4	31/02	62092	7	41/02	62590	2	16,28,29,36,40,46,48/02;
54423	5	48/02*;17/03	57162	7	43/02	62093	7	16,41,49/02			8,12,17,18/03
54430	1	26,28,37,43/02	57164	2	43/02	62095	3	11/03*			
54440	4	30,41/02;17/03	57165	1	43/02	62140	1	34,40/02			
54441	6	30,42/02;2/03	57170	1	43/02	62142	10	24,28/02			
54462	5	17/03	57200	6	11/03	62143	3	24,28/02			
54464	5	17/03	57220	4	11/03	62144	3	24/02			
54466	8	22,30,36,41/02;2,17/03	57381	12	52/02;15,16/03	62170	2	38/02			
54480	8	22,30,36,41/02;2,17/03	57400	4	12/03	62171	4	38,47/02			
55001	4	18,29,36,37,42/02;14,	57408	2	12/03	62191	15	11*,15/03			
		15/03	57420	3	12/03	62193	17	17*,19,31/02			
55040	4	15,18,23,27,28,31,32,39, 41/02;16/03	57460	4	10,12/03	62194	8	17*,18,19,31,36/02;4/03			
55041	7	15,22,32/02	57471	3	12,15/03	62195	7	19/03*			
55042	1	18,21,27,28,42/02;17/03	57472	2	12/03	62222	5	19/03*			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 19/03

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.
62591	3	N16,N28,N29,N36,N46, N48/02;N8,N12,N17, N18/03	71241	10	18/02;6,12,16/03	73000	9	26,40,52/02;10/03	74251	8	15,17,23,25,26,31,32,34, 37,42,44,46,51/02;6,9, 17/03
63000	13	27,28,48/02	71243	5	20,21/02;5,6,8,14,17/03	73002	4	18,24,30/02;5,11/03	74252	9	19,47/02;5,7,9/03
63005	18	15,25,31/02;16/03	71247	18	20,21/02;5,6,8,14,17/03	73004	4	26/02;10/03	74253	6	15,17,19,23,25,27,32, 47/02;8,9,16/03
63010	14	26,29,31,52/02	71249	2	35/02	73006	2	26/02	74261	9	15,25,41,49/02;4,10/03
63015	11	31,38,40,52/02;9/03	71251	11	20,35,40,42/02;5,6,7,13, 14,16,17/03	73012	6	11/03*	74265	2	15,17,18,19,25,31,38,41, 43,47,49/02;7,9,16/03
63020	15	27,31/02;4,9,11/03	71253	10	21,35,40,42/02;5,6,7,13, 14,16,17/03	73014	10	48,52/02	74270	3	18,19,26,31,38/02;7/03
63040	2	46/02	71255	5	6,14/03	73016	4	15,44/02	74271	9	19,28,38,46/02;19/03
63050	2	17,46/02	71257	2	15,18,21,23,28/02;5,6,7, 12,13,16/03	73020	9	25/02/9/03	74272	7	26,32/02;4,19/03
63055	3	19*,31/02	71258	2	15,18,20,21,28,35/02;5,6, 7,13/03	73024	3	39/02	74273	5	18,19,31,38,41,43/02;7, 19/03
63060	7	25,28,32/02	71259	3	15*,17,19/03	73030	4	20/02	74281	7	3/03
63062	7	18,28,29/02;7,16,18/03	71261	8	35/02;2,16/03	73032	4	25/02/9/03	74283	2	46,49/02
63063	9	27,29/02	71262	7	6/03	73041	2	18/02;5/03	74285	2	31,34,35,45/02;1,9,16/03
63065	6	18/02	71265	3	46*,49/02;7,13,15,16/03	73044	7	34,45/02;1,10/03	74286	2	15,22,24/02
63070	3	20,27,28,29/02;16/03	71271	10	23,25,30,34,52/02;19/03	73580	4	52/02	74287	2	27,34,38,52/02;9/03
63080	5	26,27,28,31,48/02	71272	10	23,30,34/02;19/03	73581	4	16,52/02;3/03	74289	5	18,26/02;9/03
63090	8	25,31/02;15/03	71275	3	23,35/02;2,6,16,19/03	73590	6	16,31,47,52/02	74290	11	25,34,39,45,46,48,49, 51/02;1,7,9,10,16/03
63091	4	26,27,32,39,48,52/02; 9/03	71281	7	51/02	73601	3	15,17,24,26,31,34,35, 47/02	74292	8	27,34,38/02;9/03
63100	2	15,44/02	71285	3	23,25,30,34,52/02;13, 19/03	73610	4	26,31/02	74293	7	25,34,45,48/02;9,16/03
63101	15	17,19/02;15/03	71295	2	25,26,30,34,39,40,52/02; 12,19/03	73631	4	36,46/02;1,17/03	74294	3	25,34,45/02
63102	19	17,19,26/02;15/03	71305	2	31,34,36/02;2,13/03	73640	5	23,36/02;16/03	74295	3	18,22/02;4,9/03
63103	17	17,26,29/02;15,16/03	71311	4	7/03	74000	6	24,36,47/02;2,7,18/03	74296	4	27,34,38,49/02;9/03
63110	4	40/02;16/03	71313	8	45/02	74002	2	18,25,27,28,35,47/02	74320	3	35/02;8,18/03
63111	9	17,25,48/02;9/03	71314	5	6,10/03	74003	5	22,25,28,47/02;7,10/03	74330	3	15/02
63120	2	44,48,52/02;8/03	71315	2	27,31,34/02	74004	2	18,35,37,39,47/02;9/03	74340	3	15/02;16/03
63121	5	48/02;3,8/03	71320	1	35/02;5,14/03	74005	2	18,19,31,34,35,46,47, 51/02;4,7,9,16/03	74350	4	25/02;16/03
63122	5	52/02	71325	8	5/03	74006	2	26,31/02	74376	5	43/02;9,16/03
63201	9	40/02	71330	13	35/02;5/03	74007	1	36/02	74380	4	22,32/02;8,9/03
63210	3	45,52/02;16/03	71331	11	5,7,8/03	74008	6	15,51/02	74391	3	15/02
63220	5	26,45,52/02	71333	2	6,7/03	74009	10	20,22,25,38,49/02;8,9/03	74392	7	16,22,25,39/02
63230	6	17*,45/02	71335	2	8/03	74012	10	17,20,22,26,37,40,49/02;	74393	9	16,18,19,25,28,31,38,41, 50/02;3/03
63232	3	31,45/02	71340	11	18,19,22,40,46/02;2,4,5, 6,7/03	74015	10	20,40/02	74394	2	18,19,28,31,41,49,50/02; 3/03
63233	15	31/02	71343	3	7/03	74017	4	17,18,37,45/02;18/03	74410	3	16,20,25,38/02;7/03
63240	4	19/03	71348	3	18,35/02;7/03	74018	6	44/02	74415	1	39/02
63250	6	29,40/02;11/03	71350	8	15,18,20/02;5,6,7,14/03	74020	4	16,17,33,37,38,43/02;5, 18/03	74420	3	45/02;19/03
63271	8	19,52/02;8/03	71401	1	40,46,51/02;5/03	74021	7	20,33,35,39,44/02;7, 10/03	74430	2	49/02
63290	7	19,31,32,38/02;10/03	71402	1	18,40,46/02;4,5,6/03	74024	7	31,44/02	74440	3	32,39/02;2/03
63291	9	19,33/02;16/03	71410	1	39/02;12/03	74027	9	43,44/02	74450	3	21,22,26,49/02;2/03
63310	5	11/03	71420	1	38,39/02;3,12,14/03	74030	6	28,51/02	74455	3	19,21,23,48/02;1,4/03
63320	8	30/02	71430	3	11/03*	74053	2	28,51/02	74460	4	21,22,26,37,40,46,49/02; 6/03
63321	6	30,42/02;9/03	71440	2	11/03*	74054	2	28/02	74465	2	9/03
63322	2	30/02;9/03	71445	1	7/03	74055	2	28/02	74470	2	8/03
63330	9	27,39/02/4/03	71450	1	22,25/02;7/03	74151	9	20,24,27,36,44/02;2/03	74475	2	44/02
63337	15	27,31,39/02;4/03	71455	1	11/03*	74152	11	36,44/02	74480	2	44/02
63400	1	39/02;8,11/03	71460	1	15,20,25,41/02	74153	2	36,44/02;2/03	74485	3	16,43/02
63410	6	39/02;8,9/03	71465	1	20/02	74162	4	36,46,47/02;8/03	74492	7	16/02
63413	5	39/02	71470	2	15,38/02;14/03	74171	4	33,36,47/02;3,10,18/03	74493	3	16,38,43,45/02
63417	2	39/02	72000	8	31,32,35,47,50/02;2/03	74172	5	36,47/02;7,10,18/03	74494	2	41/02;8,9,16/03
63420	2	39,45/02;8/03	72007	10	30,36,38,47,51/02;2,5,7, 11/03	74181	8	23,28,33,35,37,38,39, 47/02;10/03	74510	2	16,17,33,35,37/02;5,10, 17,18/03
71005	1	34/02;2,6,12,13,16/03	72014	10	46/02;7,19/03	74182	12	23,24,25,26,28,33,35,37, 38,39,41,42,44,51/02;6, 10,17/03	74515	4	20,28,33,35,39/02;4,7, 10/03
71006	3	19,33,39,46/02;1/03	72021	8	31,36,38,47,50,51/02; 7/03	74183	11	38,39,42/02;4,6,17/03	74517	3	18,20,21,39,41/02;4/03
71012	3	19,33,39,46/02;1/03	72028	7	15,31,34/02	74184	10	23,24,28,33,35,37,38,46, 48/02;17/03	74521	3	28,41/02
71018	10	15,33,35,37/02;7,12,13,	72035	8	16,31/02;8/03	74186	7	18,34/02;4,10,17/03	74527	2	28/02
71027	9	15,19,20,22,24,25,34,38, 45,49/02;4,5,14,18/03	72045	2	16/02;8/03	74190	7	22,23,26,35,36,37,46/02; 1,16/03	74530	2	28,44/02
71033	31	15,23,37,38,49/02;3,12, 14,15/03	72060	8	32,50/02	74191	2	19,22,24,26,35,46,48/02; 1,7,9/03	74535	2	31,42,44,48/02
71036	8	35,44/02;12,14/03	72075	2	32/02;2,9/03	74192	3	24,26,28,35,46/02;1/03	74545	3	28,40/02;18/03
71040	5	27,34,44/02;7/03	72080	7	20,51/02;2,9/03	74200	8	18,21,27,28,37,46/02;1, 8/03	74550	4	5/03
71042	1	34/02	72085	3	15/03*	74201	9	27/02	74555	3	34,43,44,48,51/02;5/03
71043	2	25/02*	72094	2	29,38/02;7/03	74202	3	16,21,24,24,26,35,47,51/02	74560	10	23,28,32,40,43,46,48, 50/02;4,5,18/03
71044	1	27/02	72100	7	29/02;7,19/03	74204	5	21,24,27,37/02;1,7,8/03	74561	2	5/03
71058	2	23,36/02	72103	2	29/02;4,6,7,19/03	74205	2	16,24,25/02	74561	9	20,26,32,34,36,40,41,43, 45/02
71059	1	23,36/02	72105	2	36,38/02;7,11,19/03	74206	2	24,34/02	74562	2	28/02
71061	15	23,36/02	72107	2	15,27,29/02;7,19/03	74210	7	25/02;7,17/03	74562	9	18,26,28,40/02;17/03
71066	1	39/02;6,7,10/03	72109	3	42,44/02	74211	2	35,51/02	74563	15	26,32,34,40,43,44,48/02
71071	5	15/02	72110	9	15/02	74220	8	17,23,25,26,35,47,51/02	74564	5	18,22,25,32,34,41,43, 45/02
71081	3	16/02	72130	4	46/02	74221	2	35,51/02	74565	2	28/02
71091	4	1,2/03	72131	3	11/03	74222	2	19,23,35,37,43,47/02;	75000	6	47/02;6/03
71140	6	33,39,46/02;1/03	72161	10	15/02;10/03	74223	2	17,23,25,26,35,47,51/02	75001	3	23,47/02;5,6/03
71180	29	33,37/02;7,12,13,15/03	72173	2	15/02	74224	2	19,23,35/02;3/03	75010	7	16,18,41,42,50/02
71183	13	32/02	72181	2	36/02;7,11/03	74229	2	17,22,23,33,37,43,47/02;	75025	9	22,23,36,39/02;2,4,8/03
71185	24	7,13,15/03	72190	2	30/02;10/03	74230	18/03		75035	18	21,24,36,39/02;2,6/03
71186	2	7/03	72201	8/03		74230	7	28,39,42/02;5,7/03	75051	6	16/02;5/03
71210	18	44/02;3/03	72203	2	16/02	74231	7	19,23,35/02;3/03	75052	2	16/02
71211	4										

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 19/03**

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.
75110	2	50/02	82210	2	42,48/02	93110	2	22,24,38,40,41/02;1,2/03	94208	6	N44/02
75120	2	16,42/02	82242	1	35,48,50/02	93113	2	19/02	94216	6	27,45/02;10,17/03
75130	16	16,18,21,27,31,34,41,50, 51/02;5,7,8,16,19/03	82244	5	35,48,48/02	93115	2	40,41/02	94217	4	30/02;6/03
75131	7	18,20,28,02/17/03	82253	7	35,48,50/02	93117	2	19,40,41/02	94218	3	30,36/02;6,18/03
75132	11	31/02;17,19/03	82374	9	22/02	93160	4	15*,27,34/02;1,14/03	94219	1	47/02
75134	3	23,27,33,51/02;5,19/03	82377	2	22/02	93180	7	27,34/02	94220	4	22,26,41,42,47,49/02;8, 10,11,17,18/03
75142	5	15,21,28,36,42,50/02	82580	2	19/02	93200	4	26,27/02	94260	5	49/02;1,6,11/03
75143	4	15,20,28,32,33,36,38,42, 50/02	82646	2	19,33/02	93220	6	17,27,34/02	94280	5	51/02;15/03
75144	3	20,31,33,36,42,51/02;4, 10,18/03	82649	5	18,20,33/02	93240	11	17,34/02;16/03	94281	6	6/03
75144	3	20,31,33,36,42,51/02;4, 10,18/03	82683	4	18,33/02;17/03	93241	9	8,16/03	94282	9	46/02;8/03
75150	5	16,50/02;16,19/03	82684	3	18,38/02;17/03	93243	6	42/02	94283	7	46/02;8,12/03
75160	6	22,23,24/02;17,18,19/03	82689	10	18,19,20/02	93245	6	16/03	94290	2	1,7/03
75170	12	38,39/02;8/03	82694	6	38/02;17/03	93247	4	26/02	94322	14	8/03
75171	22	17,18,22,27,31,32,33,36, 38,40,42,48,52/02;1,6, 16/03	82697	6	38,46/02	93260	8	27,31/02;7,18/03	94360	6	18,32,43/02;6,13/03
75172	5	39/02	83010	6	6/03	93261	5	31/02;7/03	94361	13	18,32/02;13,15/03
75173	9	17,20,25,31,32,33,36/02; 1,6/03	83021	1	25,27,43/02	93280	4	18/03	94363	4	32,43/02;16,18/03
75175	9	16,18,31,33,38,40,45, 50/02;18/03	83023	4	25,27,43/02	93360	5	38/02	94380	4	N5,N6,N18/03
75176	9	17,27,42,50/02	83025	1	12/03	93385	6	18/02	94384	3	5/03
75177	7	18,27,38,48,50,52/02; 6/03	83026	32	18,41/02;6/03	93420	4	18/02	94420	3	39/02;4,8,11,13,14/03
75180	2	8/03	83032	1	18/02	93440	4	18/02	94421	10	15,45/02;4/03
75185	2	22,47/02;8/03	83039	11	41/02;6/03	93520	13	45/02;15/03	94423	12	19,45/02;11/03
75190	2	23,47/02	83251	2	12/03	93610	3	44,45/02;6/03	94427	2	N32/02
75191	6	22,25,37,38,43,47/02;8, 19/03	83252	8	18/02;2,12/03	93650	2	19,44/02;6/03	94440	2	46/02;18/03
75193	6	22,49/02;1,5,7,10,16, 19/03	83253	2	18/02;12/03	93652	2	3,6/03	95016	8	40/02
75207	2	36,52/02;4,16/03	83382	9	20,25,27/02	93680	3	45,47/02	95040	8	40/02;11/03
75208	2	26,50/02	83383	2	20,25,27/02	93690	2	44/02;6/03	95060	13	15,16,40,43,44,47,48, 52/02;1,6,11,14,17,19/03
75215	2	36,39,40,52/02;7/03	83392	5	31/02	93710	3	26/02;6,15/03	95065	5	48/02;10/03
75220	12	36,39,49/02;4/03	83393	2	N31/02	93720	10	39,45,50/02;8,15,17/03	95066	11	15,16,18,19,20,41,43,44, 47,48,49,50/02;1,5,6,17, 19/03
75222	8	18,22,35,40/02	83397	6	18/02;1/03	93721	5	20,22,26,32,39,42,45, 50/02;4,11,17/03	95067	13	18,41,44,46/02;1,5,10, 17/03
75240	4	36,39/02;2,4/03	83425	6	20,35/02	93725	6	20,45/02	95068	1	41,42,45,47/02;12,14, 17/03
75241	6	34,36/02	83570	2	24/02	93726	4	26,48/02;8,12,17/03	95080	13	16,18,25,27,30,33,40,44, 45,50,52/02;1,6,7,9,10, 14,17,19/03
75251	5	23,33,48/02;3,19/03	83572	1	24/02	93730	3	21,39,40,42,45,47,50/02; 2,4,17/03	95082	9	19,21,25,27,30,33,44, 46/02;1,4,7,11,17/03
75261	6	17,21,23,24,33,36,48/02; 3,6/03	83574	2	21/02	93733	13	17,21,22,26,32,39,45/02; 4,19/03	95083	8	21,25,33/02;1,4,19/03
75262	6	38/02;16/03	83575	4	24/02	93734	11	17,22,26,32,45/02;4, 19/03	95084	7	15,16,18,50,52/02;8,12, 17/03
75263	9	17,32/02;5/03	83576	5	21/02	93736	22	16,22,26,32,41/02;4/03	95085	4	15,45,52/02;1,6,11,12/03
75264	17	16,17,19,33,34,37,41,42, 44,45/02;2/03	83577	10	20/02	93778	8	47/02;7/03	95086	5	15,45,52/02;1,6,8,11, 12/03
75265	2	17,20,21,24,02;6/03	83578	19	19,20/02	94004	6	19,29,30,33,37,44,52/02;	95087	3	19,21,25,33,40,48/02;1, 8/03
76015	1	18,23,24,29,35,40/02	83579	8	19/03	94016	2	23,33,35,52/02;3,9,10,14, 17/03	95100	12	15,16,18,38,39,43,44,45, 46,47,50,52/02;1,4,6,7,8, 9,10,17/03
76020	7	18/02	83580	7	19,22/02;19/03	94028	7	23,25,40,42,52/02;1,6,7, 8,9,11,14,17/03	95101	8	15,39,44,50/02;1,5,6,9, 14,17/03
76030	9	24,49/02	83581	4	21/02	94033	5	19/03	95102	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14, 17/03
76050	8	24,49/02;18/03	83582	3	19,21/02	94040	13	30,37,47,51/02;6,8,10,17, 18/03	95138	8	45,46,48,49,50,52/02;8, 16,17,19/03
76052	8	15,21/02;4,5/03	83583	5	45,46/02;5/03	94042	9	47,51/02;7,18/03	95140	15	15,18,22,38,40,41,44,48, 49,52/02;1,7,8,9,10, 17/03
76054	5	49/02	83584	3	19/02	94060	10	27,29,30,33,37,46,47/02; 7,8,10,12,14,15,18/03	95141	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14, 17,19/03
76056	3	9/03	83585	2	19/02	94061	5	19,33,35,47/02	95142	9	15*,18,19,50,52/02;8,10, 19/03
76060	7	40/02	83586	3	21/02	94063	4	29,33,41/02;8,18/03	95143	11	15,18,40,45,47,48,49, 50/02;1,5,6,7,8,9,10,11, 12,13,16,17,19/03
76061	3	40/02;9/03	83587	4	21/02	94067	10	33/02;10,11/03	95144	9	19,38,41,46,48,50,52/02; 1,6,8,9,10,11,13,16/03
76070	9	23,35/02	83588	5	45/02	94080	7	15,27,29,30,33,44,48/02;	95146	14	19,36,38,39,40,41,44,46, 47,48,50,52/02;1,8,9, 16/03
76071	9	23,35/02	83589	3	21/02	94082	8	25,27,30,44/02;8,19/03	95147	13	39,41,44,45,46,47,48, 49/02;1,5,9,19/03
76080	8	1,18/03	83590	3	21/02	94083	12	17,25,44/02	95149	9	15,18,22,34,36,37,38,41, 43,48,49,50,52/02;8,9,19/03
76083	3	1/03	83591	1	15/02	94084	1	23,25/02	95151	17	15,18,34,36,37,38,40,47, 50/02;1,5,19/03
76110	5	23/02	83592	3	19/02	94120	6	19,21,33,38,48,52/02;9, 10,17,18/03	95152	5	37,38/02;6,9,19/03
76120	6	22,23,25/02	83593	3	18*,19/02	94122	7	19,30,40/02	95153	2	15,22,34,36,37,38,43/02; 19/03
76140	7	46/02	83594	4	19/02	94123	9	21,33,38,42,44,52/02;9, 10,15,17,18/03			
76141	8	19,46/02	83595	3	23/02*	94124	13	38,42,44/02;10,15,17/03			
76142	1	46/02	83596	2	19/03	94127	2	21,33,38/02;6,9,13,16, 18/03			
76150	6	35/02	83597	3	19/03	94160	7	26,27,33,38,44,46,47,50, 51,52/02;9,10,12,16,17, 18,19/03			
76151	7	22/02	83598	3	21/02	94164	2	26,27,46,50,51/02;12,16, 19/03			
76161	10	40/02	83599	3	19,21/02	94165	4	20,26,50/02;18/03			
76162	1	18/03	83600	4	45/02	94180	9	26,32,42,44,47,49,50,51/02			
76170	7	29/02	83601	2	21,39,45/02;4,8,10/03	94184	2	N51/02			
76180	1	18,22,23/02	83602	6	15,17,22,27,38,40,41/02;	94187	3	32/02;14/03			
81002	6	18/02	83603	8	2,13,14,18/03	94188	2	44,46,47,51/02;8/03			
81023	5	18/02	83604	2	27/02;1,14,18/03	94201	1	51/02			
81054	13	14/03*	83605	2	15,24,38/02;4,13/03	94203	10	22,26,41,42,44,46,47, 52/02;10,11/03			
81067	5	51/02;10,12,16/03	83606	5	45/02	94206	3	22,26,41,42,44,47,52/02;			
81076	9	51/02;10,12,16/03	83607	5	45/02	94207	5	N26,N42,N44,N47, N52/02;N11,N19/03			
81092	3	38*,50/02	83608	6	18,45/02						
81711	6	23/02	83609	3	45/02						
81715	4	23/02	83610	1	45/02						
82005	5	17/03	83611	1	45/02;5/03						
82010	6	17/03	83612	2	45,49/02						
82015	13	22/02	83613	1	35,49/02;5,14/03						
82020	7	22/02	83614	1	45/02;4/03						
82030	8	18/02	83615	4	45/02						
82200	2	17/03	83616	2	N24,N34,N38/02;N2/03						

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 19/03

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.
95160	13	15,27,41,42,47,52/02;1,6, 8,9,11,17,19/03	97000	3	17/03	97231	11	21,41/02;6/03	97466	2	25,46/02;1/03
95161	16	27,31,40,45,48,50/02;1,5, 6,8,9,10,17,19/03	97021	7	16/02	97232	8	15,20,25/02	97469	10	26/02;1,6,8,19/03
95162	2	20,40,44,47/02;10,14, 19/03	97026	10	23/02	97233	11	31,33,43,44,49/02;1,5,6, 9,15,16/03	97471	5	N31/02
95163	2	27/02;1,6,9,10,13,14, 17/03	97029	3	19/02	97234	17	29,43,47,49/02;1,6,8,9, 16/03	97472	8	34/02
95164	4	43,48/02;1,6,9/03	97041	5	43,47/02	97236	20	31,47/02;9,16/03	97474	7	21/02
95167	10	44/02;1,6,9,11,14,17/03	97042	7	14/03	97239	10	31,33/02;1,5,9,16/03	97480	7	21,35,52/02;3,9,10,17, 18/03
95169	2	44,50,52/02;11,16/03	97043	2	17,23/02;14/03	97241	6	10/03	97481	6	47,49/02;9,18/03
95171	1	1,6,9/03	97060	8	46/02;12,14/03	97243	8	21,28,29,31,33,48/02;1,5, 6/03	97483	7	48,52/02
95172	1	1,9/03	97061	3	52/02	97244	5	9/03	97521	6	19,42/02;16,18/03
95173	1	15,16,17,50,52/02;1/03	97062	12	27,44/02;6,10/03	97245	11	17,28,36/02;1,5,9/03	97564	3	16/03
95174	1	17,50,52/02;12/03	97064	2	6,14/03	97246	7	43,52/02;5/03	800669	8	N20/02
95176	2	16,20,31/02;8,11/03	97080	5	16/03	97251	4	6,10,17/03	800744	1	N22,N49/02;N5,N12, N13,N16/03
95177	1	18,41,50/02;9/03	97082	5	24,46/02;16/03	97261	15	17,18,41/02;1,5,7,18/03	801217	1	N21/02;N6,N8,N19/03
95180	11	15,17,18,27,40,42,44, 49/02;1,6,9,10/03	97100	4	20,28,42,47/02;16,17/03	97262	10	21,29,34/02;1,5,6,7, 15/03	801885	3	N28/02
95185	2	20,31,40,44,49/02;10/03	97101	1	28/02	97263	10	5,7,9,15,18/03	802202	8	N23,N31,N35/02;N1, N7/03
95250	4	44/02;1,6,16/03	97104	4	20/02;7/03	97266	5	17,37,41/02;1,5,6,7,14, 15,18/03	802260	5	N20/02
95255	2	44/02;1,7,13/03	97120	6	15,22,28,31,37,40,42, 43/02;9,14,16,17/03	97267	16	17,18,25,29,40,41/02;1,5, 6,8,10,13,18/03	803404	2	N26/02
95258	3	6,16,18/03	97140	17	15,22,33,37,39,43,45/02; 7,9,14,16/03	97268	10	6/03	804037	1	N28/02
95261	7	48/02;1,5,9,16/03	97141	5	19,21,40,46/02;8,13/03	97269	11	20,45/02;8,13,18/03	804059	2	N20/02
95262	13	41,46/02;1,6,9/03	97143	11	21,31,43,45/02;9,13/03	97270	6	36,44/02;1,5/03	804567	4	N17/02
95264	8	48/02	97144	14	44*,46/02;7,8,9,13/03	97271	12	17,18,25,29,37,39/02;6, 10,12/03	805118	3	N12/03
95267	5	17/02;13/03	97145	1	15,22,43,42/02;8,9/03	97272	11	19,52/02;6,10,12,14/03	805647	2	N37,N51/02
95268	16	39,48/02;6,9,13/03	97146	10	44/02*/15/03	97273	10	19,27,34,42,45,49/02;6,8, 9,13,14,15,18/03	807370	5	N17/03
95270	4	48/02;9,10,13/03	97148	9	21*,23,45/02;9/03	97274	19	19,27,31,34,39,45/02;6,9, 15,17,18/03	807861	2	N27/02
95271	4	44,48/02;9,10,12,13/03	97149	20	25,34,35,44,45/02;1, 16/03	97275	11	19,52/02;6,10,12,14/03	808365	2	N14/03
95273	2	48/02	97150	13	34,39,43,44/02	97276	1	27,29,40/02;9/03	808528	1	N25/02
95274	3	48/02	97151	16	31,35,44,45/02;12,13,14, 16/03	97277	11	17,27/02;1,5,6,8,9,14/03	809055	7	N16/03
95276	3	21/02*	97152	8	37/02	97278	11	39/02/1/03	809310	9	N18,N39/02
95280	9	17,48/02;8/03	97153	7	31/02;16/03	97279	9	27/02;9/03	809679	2	N25,N50/02;N12/03
95281	15	7,10,14/03	97154	2	36/02	97280	4	52/02			
95282	7	46,52/02;4,6,9,19/03	97155	14	20,31,35,36,37,39,40, 48/02;12,13,18/03	97281	2	41/02			
95285	3	18/03	97156	6	21,37/02;1,14/03	97283	3	45/02/9/03			
95300	5	16,45,48,52/02	97157	1	35,37/02	97285	6	19,23,27,31,34,42/02;7, 13,17/03			
95320	15	35,38/02	97159	6	33,39/02;7,14,16/03	97286	6	21,23,25,27,31,34,35,36, 41,42/02;6,8,10,13,17/03			
95341	8	18,19,42,47/02;1,10/03	97163	14	23/02;14/03	97287	5	34/02			
95342	16	30/02;9,13,16/03	97164	1	7,14,16/03	97300	6	1,13/03			
96004	14	16,17,44,45/02	97165	1	7,16/03	97303	3	18,25,47,48/02			
96020	4	41/02	97166	1	33/02	97320	6	33/02;14/03			
96032	3	38/02	97167	2	23,33/02	97340	8	27,33,38,52/02;16,17, 18/03			
96039	7	16,17,30/02	97180	6	22,31,34,39,43,45,46, 48/02;4,8,13/03	97341	9	27,34/02;16/03			
96041	11	16,17,30/02	97181	20	18,22,25,31,34,46,48/02; 1,4,7,8,12,13,14,17,18/03	97342	14	27,38/02;17,18/03			
96042	11	16/02;10/03	97182	13	18,21,23,31,34,39,46, 48/02;1,4,5,6,7,8,12,14, 17,18/03	97343	12	27,38/02;17/03			
96043	8	16/02	97183	9	25,44/02;5,9,14,16,18/03	97360	6	20,23,27,38/02;5,7,13, 18/03			
96044	10	29,30/02	97184	15	25,28,47/02;1,7,12,14, 18/03	97380	7	21,39,47,52/02;1,2,8, 16/03			
96044	1	41/02	97185	2	43/02;1,7/03	97381	7	27/02;7,13/03			
96045	6	41/02;10/03	97187	3	44,48/02;9,18/03	97382	2	41,45/02;4/03			
96520	7	10/03	97188	2	1,7,13,17/03	97383	16	31/02;5,7,13/03			
96521	3	N19/02*	97189	2	25,28,44/02;9,14,18/03	97384	4	47/02;19/03			
96540	5	10/03	97190	2	22,34,39,52/02;8,13/03	97385	10	31,52/02;5,6,7,9/03			
96560	5	10/03	97200	9	52/02;8,16,17/03	97387	2	4,5,7/03			
96621	5	10/03	97201	7	18/03	97389	1	39/02			
96645	1	26/02	97202	15	43,44,45/2/02	97390	5	31,39,40/02;2,5,12,16/03			
96760	4	29,35,45/02	97204	9	28,29,45,52/02;4,6,10, 19/03	97391	26	31/02;6,7,12,16/03			
96762	3	29/02;17/03	97205	3	18/03	97392	5	21/02;1/03			
96763	7	29,43,48/02;9,17/03	97218	3	21,41/02;6/03	97396	14	18,21,36,39,40/02;2,16, 17/03			
96764	2	19/02;7/03	97219	4	21,25,31/02;6,9,13/03	97397	7	18,25,39,49/02;16/03			
96800	4	19*,41/02	97220	3	21,24,31,37,39,42,43, 44/02;6,8,9,17,18/03	97398	3	21,25,49/02			
96840	3	19/02	97221	20	21,24,31,37,39,42,44,45, 49,52/02;6,8,9,10,13,17, 18,19/03	97400	3	25,26/02;1,12,17/03			
96901	3	19,27/02;7/03	97222	12	25,28,47/02;10/03	97410	8	21/02;17,19/03			
96902	2	45/02	97223	3	42,44,48/02;16,17/03	97412	7	40/02			
96904	2	27,41/02;12/03	97224	6	18,25,27,46,47,49/02	97420	17	21,34,39,42,47,52/02;1,8, 10/03			
96906	2	27/02	97225	31	21,24,37,39,42,44,45/02; 6,8,9,10,17,18,19/03	97421	13	20,35,36/02;1,10,13/03			
96910	1	10/03	97226	7	17/02;18/03	97423	2	20,35,36/02;1,13/03			
96937	2	40/02	97227	11	21,24,42,43/02;9,18/03	97425	6	34,39,47,52/02;1,6,8, 10/03			
96938	4	4/03	97228	15	21,28,30,39,40,42,43/02; 5,6,9,15,17,18/03	97440	8	20,23,27,52/02;1,16, 19/03			
96939	3	4,7,9/03	97229	12	18,24,27,31,36,39,47/02; 6,8,9,18/03	97441	5	20,46/02			
96941	8	47/02	97230	18	29,36,52/02;6,9/03	97443	6	15,19/03			
96943	15	44/02;1,9,10,12/03	97231	7	17/02;18/03	97446	9	21/02;5,8,19/03			
96944	6	45,52/02;6,13/03	97232	11	21,24,42,43/02;9,18/03	97461	9	21/02;1,6,8,19/03			
96945	3	43,52/02	97233	15	21,28,30,39,40,42,43/02;	97465	9	21/02;1,6,8,19/03			
96947	15	6,12,13/03	97234	18	29,36,52/02;6,9/03						
96949	21	45/02									
96960	2	7/03									
96962	4	19,30,35/02;1,9/03									

## SECTION II

NM 19/03

## 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									
WOAGN411 (7642014009412)	Gulf of Mexico  (New edition due to numerous Notice to Mariners corrections)	2,160,000	<u>49</u>	<u>3/03</u>	NOS	1-94	19/03		
11XHA11322 (7642014010219)	Galveston Bay to Cedar Lakes  (Not shown on index) (New edition due to numerous Notice to Mariners corrections)	40,000	<u>28</u>	<u>3/03</u>	NOS	1-94	19/03		
12ACO12300 (7642014010297)	Approaches to New York (LORAN-C)  (New edition due to numerous Notice to Mariners corrections and changes in hydrography)	400,000	<u>43</u>	<u>3/03</u>	NOS	1-95	19/03		
14XHA14852 (7642014010675)	Saint Clair River  <u>Continuation: Saint Clair River</u> <u>Inset: Head of St. Clair River</u> (Inset not shown on index) (New edition due to numerous Notice to Mariners corrections)	40,000	<u>45</u>	2/03	NOS	1-42,96	19/03		
18AHA18458 (7642014011519)	<u>Hood Canal, South Point to Quatsap Point, Including Dabob Bay</u>  (New edition due to numerous Notice to Mariners corrections)	25,000	<u>15</u>	<u>3/03</u>	NOS	1-82,98	19/03		
18BHA18504 (7642014011572)	Willapa Bay  <u>Continuation of Willapa Bay</u> <u>Inset: Toke Pt.</u> (New edition due to numerous general and Notice to Mariners corrections)	40,000	<u>65</u>	<u>3/03</u>	NOS	1-84,98	19/03		
18AHA18656 (7642014011527)	Suisun Bay  (New edition due to numerous general changes)	40,000	<u>53</u>	<u>3/03</u>	NOS	1-98	19/03		
REGION 6									
62BHA62046 (7642014007705)	Approaches to Suqutra  Plan: Ghubbah Di-Hadiboh (Tamrida Bay)	150,000	<u>3</u>	<u>3/03</u>	A	6-24	19/03		
62ACO62195 (7642014013336)	Ras Shukheir to Ras el-Sudr  Plan: Ras Gharib	150,000	<u>7</u>	<u>3/03</u>	A	6-24	19/03		
62AHA62222 (7642014013365)	Strait of Tiran	25,000	<u>5</u>	<u>3/03</u>	A	6-24	19/03		
MISCELLANEOUS CHARTS AND PUBLICATIONS									
DNCDXVDU (7644014946812)	Digital Nautical Chart (DNC) - VPF Database Update (VDU)		<u>13</u>	<u>3/03</u>	DS	10-43	19/03		
WOAGN411 (7642014009412)	Gulf of Mexico  (New edition due to numerous Notice to Mariners corrections)	2,160,000	<u>49</u>	<u>3/03</u>	NOS	10-40	19/03		
CDPUBSD125 (7644014665853)	West Coast of South America (Enroute), 2003				GPO	10-19, 38	19/03		

Price Categories effective 1 October 2002

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

## SECTION II

### NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

CHS Canadian Hydrographic Service  
DS Distribution Limited  
GPO Government Printing Office  
NOS National Ocean Service  
\* Not for sale or reproduction outside U.S.A.

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

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

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

## NAVIGATION PUBLICATIONS

## SAILING DIRECTIONS CORRECTIONS

PUB 125 (NIMA)	7 Ed 2003	NEW EDITION 19/03
<b>PUB 140</b>	<b>2 Ed 2001</b>	<b>LAST NM 15/03</b>
Page 65—Line 19/R; read:		
The Time Zone description is BRAVO (-2). Daylight Savings Time (CHARLIE (-3)) is observed from the last Sunday in March until the last Sunday in October.		
(BA NM 15/03, Section VI)		19/03
<b>PUB 154</b>	<b>8 Ed 2002</b>	<b>LAST NM 14/03</b>
Page 10—Lines 23 to 25/L; strike out. (NIMA)		19/03
Page 11—Line 7/R; insert after:		
It has been reported (2003) that extensive changes have occurred in the vicinity of the Yarrows Jetties.		
(US NM 15/18418/03)		19/03
Page 95—Line 39/R; insert after:		
Vessels engaged in towing operations are reminded of the requirement to prevent damage to submarine cables. Where there is a possibility of the tow line scouring the bottom, vessels are to shorten lines and reduce the catenary.		
(Can NM 3W/03, Section 4)		19/03
Page 246—Line 51/R; read:		
Perez Shoal, with a least depth of 4.6m and usually marked		
(Can PAC 206)		19/03
Page 246—Line 54/R; read:		
of 14.3m, lies about 0.3 mile NE of Perez Shoal.		
(Can NM 3W/03, Section 4)		19/03
<b>PUB 160</b>	<b>2 Ed 2002</b>	<b>LAST NM 11/03</b>
Page 88—Lines 38 to 47/R; read:		
Rescue Operations (SAR) in the Indian Search and Rescue Region (ISRR), which consists of the waters adjoining the Indian coast within the limits defined by the following:		
a. 21°00'N, 68°15'E. b. 12°00'N, 63°00'E. c. 12°00'N, 60°00'E. d. 6°00'S, 60°00'E. e. 6°00'S, 68°00'E. f. 0°00', 68°00'E. g. 8°00'N, 73°00'E. h. 6°10'N, 78°00'E. i. 10°00'N, 80°00'E. j. 10°00'N, 82°00'E. k. 6°00'N, 92°00'E. l. 6°00'N, 97°32'E.		

## Ship Reporting System—INSPIRES

(BA NM 13/03, Section VI; BA NP 285)

19/03

Page 90—Line 13/L; insert after:

## Ship Reporting System—INDSAR

The India Ship Reporting System for SAR (INDSAR) is a voluntary system designed to contribute to the safety of life at sea. It is designed to be used by foreign-flag vessels over 300 gross tons operating or transiting in the Indian Search and Rescue Region (ISRR). The limits of the ISRR are listed above. The objective of INDSAR is to contribute to the safety of life at sea by:

1. Limiting the time between the loss of a vessel and the initiation of SAR action, in cases where no distress signal is sent out.
2. Limiting the search area for a rescue action.
3. Providing up-to-date information on shipping resources available in the area in the event of a SAR incident.

INDSAR is supplementary to INSPIRES and is an advanced computerized system operated and maintained by the Indian Coast Guard through the Maritime Rescue Coordination Center in Mumbai. Participation in INDSAR is voluntary and vessels will not incur any charges, if the INDSAR report is sent to MRCC Mumbai through Inmarsat C using code 43, or additional responsibilities other than those that already exist under SOLAS 74 and SAR 79.

The efficiency of INDSAR depends on the number of vessels regularly participating in the system. The more vessels maintained in the computerized plot, the greater the chance that a vessel will be identified near the position of distress. Since INDSAR will identify the most suitable vessel(s) to respond to a vessel in distress, MRCC Mumbai can release other vessels to continue their voyage.

The following actions are taken during a vessel's participation in INDSAR:

1. Upon departure from an Indian port or upon entering the ISSR area from overseas, masters are required to send a Sailing Plan (SP) or an Entry Report (ENR) to MRCC Mumbai by Inmarsat C on code 43.
2. A computerized plot of the vessel's position will be maintained by the Indian Coast Guard through MRCC Mumbai.
3. Masters are required to send a Position Report (PR) each day at a convenient time chosen by the vessel. The maximum time between any two reports is not to exceed 24 hours. All dates and times in INDSAR reports are to be in UTC.
4. A Final Report (FR) or an Exit Report (EXR) is to be sent on arrival at the destination or on departure from the INDSAR area.

There are six types of messages, each containing a selection of the items listed in the Message Format in the accompanying table, as follows:

1. **Sailing Plan (SP).**—This report contains the complete routing information for the vessel and should be sent a few hours before departure, upon departure, or within a

**PUB 160 (Continued)**

few hours after departure from a port within the limits of the ISRR. It must contain enough information to predict the vessel's actual position within 25 miles at any time during the voyage.

**2. Entry Report (ENR).**—This report contains the complete routing information for the vessel and should be sent a few hours before entry, upon entry, or within a few hours after entry into the limits of the ISRR from overseas. It must contain enough information to predict the vessel's actual position within 25 miles at any time during the voyage.

**3. Position Report (PR).**—This report should be sent within 24 hours of departing a port within the limits of the ISRR or when entering the limits of the ISRR from overseas; it should then be sent at least once every 24 hours thereafter. The destination should be included, at least in the first few reports, in case INDSAR has not received the SP or ENR information.

**4. Deviation Report (DR).**—This report should be sent whenever any voyage information changes which could affect INDSAR's ability to accurately predict the vessel's position. Changes in course and speed due to weather, change in destination, diverting to evacuate a sick or injured crewman, diverting to assist another vessel, or any other deviation from the original SP or ENR should be reported as soon as possible.

**5. Final Report (FR).**—This report should be sent upon arrival at the port of destination. This report terminates the vessel's voyage in the INDSAR computer.

**6. Exit Report (EXR).**—This report should be sent upon exiting the ISRR. This report terminates the vessel's voyage in the INDSAR computer.

If the vessel is unable to pass a PR, FR, or EXR through normal methods, the vessel should attempt to pass the message through another vessel, through a harbor authority, or through another shore authority, as appropriate.

(BA NM 13/03, Section VI; BA NP 285) 19/03

Page 90—Line 13/L; insert after:

New table titled **INDSAR Message Format** from back of this Subsection.

(BA NM 13/03, Section VI) 19/03

**PUB 172 9 Ed 2001 LAST NM 15/03**

Page 246—Table/column R; replace with below:

New table titled **Ash Shuaybah Basin Berthing Information (2003)** from back of this Subsection.

(Fairplay; Guide to Port Entry; Lloyd's Ports) 19/03

Page 246—Lines 22 to 27/R; read:

berths. Berthing information for each berth is given in the accompanying table.

(NIMA) 19/03

Page 247—Lines 3 to 7/L; read:

berths. Berthing information for each berth is given in the accompanying table.

(NIMA) 19/03

Page 247—Line 7/L; insert after:

New table titled **Ash Shuaybah Petroleum Products Pier Berthing Information (2003)** from back of this Subsection.  
(Fairplay) 19/03

Page 247—Line 33/R; read:

855m and the general cargo/oil pier extending S for 328m. Berth No. 7 and Berth No. 8 are used by small craft. Berth No. 9 is out of service.

(Fairplay; Guide to Port Entry) 19/03

Page 247—Line 42/R; read:

depths of 6m. It was reported (2002) out of service.  
(Guide to Port Entry) 19/03

Page 247—Lines 50 to 60/R; read:

in 28.5m of water. It consists of a central loading platform, with a high control tower and six mooring and four breasting dolphins, all interconnected by catwalks. Sea Island Terminal is partially destroyed and out of service. The S part was destroyed to sea level; the N part is used as a control room for loading operations at the CALM buoys, described below.

Lighted Buoy A, Lighted Buoy B, and Lighted Buoy C mark the run of the submarine pipeline from the terminal WSW to Mina al Ahmadi.

The Single Point Mooring (SPM) tower charted E of Sea Island Terminal is in a cooled condition and is no longer in service. The local authorities should be consulted for information on this berth.

Two SBMs (Catenary Anchor Leg Mooring), known as Berth No. 20 and Berth No. 21, are located 2.4 miles NE and 3.1 miles ENE of Sea Island Terminal. Tankers of 120,000 dwt to 500,000 dwt can be accommodated at the CALM berths. The maximum berthing draft allowed is 15.2m; the maximum loaded draft allowed is 27.4m.

(Fairplay; Guide to Port Entry; Lloyd's Ports) 19/03

Page 247—Table/column L; strike out.

(NIMA) 19/03

Page 248—Lines 1 to 2/L; strike out.

(NIMA) 19/03

Page 248—Graphic; strike out.

Graphic titled **Sea Island Terminal**.  
(NIMA) 19/03

Page 248—Lines 1 to 3/R; strike out.

(NIMA) 19/03

Page 248—Line 3/R; insert after:

New table titled **Mina al Ahmadi Berthing Information (2003)** from back of this Subsection.

(Fairplay; Guide to Port Entry) 19/03

PUB 193

8 Ed 2000

LAST NM 18/03

Page 11—Lines 1 to 18/R; read:

**1.12 Kristiansandsfjorden** (58°06'N., 8°02'E.), located 33 miles ENE of Lindesnes, is the first major fjord or inlet to indent the S coast of Norway. It provides access to the extensive port of Kristiansand. The terrain surrounding this fjord is relatively level and consists, in general, of bare, dark gray stone slopes alternating with forested hillocks. The fjord, which is an arm of the sea, extends N for about 5 miles and is 1.7 miles wide. It leads into Tovdalsfjorden which then continues N for about 6 miles. The inlet is deep throughout and, with depths over 200m in its middle part, is able to accommodate vessels with the deepest draft.

(BA NP 56; Nor 2B)

19/03

Page 11—Lines 37 to 58/R; read:

A smelting works situated at Fiska, 1.2 miles SW of Kristiansand, emits smoke from a chimney, which is often visible to seaward well before any other landmarks in the area can be identified.

**1.13 Ytre Flekkeroy** (58°04'N., 8°00'E.), a large island, obstructs the W side of the entrance to the fjord. Numerous islets and rocks extend up to about 1.5 miles seaward from the S and SE sides of this island and may best be seen on the chart.

**Bergenesodden Light** (58°03.5'N., 7°58.6'E.) is shown from a framework tower standing on the SW end of Ytre Flekkeroy. A conspicuous radio mast is situated about 0.4 mile ENE of this light.

Svensheia (58°05'N., 7°55'E.), a prominent hill, is situated on the mainland at the W side of the entrance to the fjord. It is 114m high and rises 2.5 miles NW of Bergenesodden Light.

**Blaestholmen Light** (58°03.4'N., 8°00.6'E.) is shown from a tripod structure standing on an islet lying 1 mile E of Bergenesodden Light.

Hanegalsbaen, a detached shoal patch, lies about 2.2 miles SW of Bergenesodden Light. It has a least depth of 6m and is marked by a buoy. This shoal forms the outermost danger in this vicinity.

**Oksoy** (58°04'N., 8°03'E.), a small and low island, lies near the center of the entrance to the fjord, 1.7 miles ENE of Blaestholmen Light. A shoal bank, with depths of less than 10m, extends about 1 mile S and SSW from the S end of this island. A spit, with depths of less than 5m, extends about 0.3 mile N from the N end of this island.

A main light, equipped with a racon, is shown from a prominent tower, 36m high, standing on the S part of the island.

**Kinn Light** (58°05.7'N., 8°02.3'E.) is shown from a structure standing on the N end of a small island lying off the NE side of Ytre Flekkeroy, 1.6 miles NNW of Oksoy Light.

**Ostre Randoy** (58°06'N., 8°07'E.), a low island, lies in the center of a group of islands, islets, and rocks which obstructs the E side of the entrance to the fjord and may best be seen on the chart.

**Gronningen** (58°05'N., 8°05'E.), an islet, lies on a reef at the SW end of the group, 1.3 miles ENE of Oksoy Light. A main light is shown from a tower surmounting a building, 14m high, standing on the N extremity of this islet.

Skogrunnen, a rocky shoal with a least depth of 8.5m, lies at the S end of a bank, about 1.5 miles ESE of Gronningen Light, and forms the outermost danger in this vicinity.

**Odderoya Light** (58°08'N., 8°00'E.), situated 2.3 miles NNW of Kinn Light, is shown from a tower structure, 6m high, standing on the foreshore at the SW side of an island of the same name. This island rises to a height of 90m. The former lighthouse building is situated close behind the light structure.

**Pilotage.**—Pilotage is compulsory for all foreign commercial vessels during transit of the waters within the restricted area fronting Kristiansandsfjorden. Such vessels may not navigate in any channel other than the SE approach passage leading to Kristiansand or Tovdalsfjorden.

Vessels should send an ETA at least 24 hours in advance and a confirmation message 2 hours prior to arrival. Pilotage should be requested at least 2 hours before arrival.

Pilots (Adger Pilots) can be contacted by VHF and board about 2.5 miles ESE of Oksoy Light (58°04'N., 8°03'E.).

(Nor 2B; BA NP 56)

19/03

Page 12—Lines 1 to 9/L; strike out.

(NIMA)

19/03

Page 12—Lines 20 to 21/L; read:

**1.14 Vestregapet** (58°04'N., 7°57'E.), the SW approach and secondary route from seaward into Kristiansandsfjorden, leads between the SW side of Ytre Flekkeroy and the numerous islets and rocks lying S of the mainland coast. Flek-keroygapet, the continuation of this passage, is a narrow channel lying between the NW side of Ytre Flekkeroy and the irregularly-formed mainland peninsula of Indre Flekkeroy. The route then joins the SE approach through Kristiansandsfjorden.

**Oksoygap** (58°05'N., 8°05'E.), the SE approach from seaward into Kristiansandsfjorden, is the main route. It leads between the dangers fronting the E side of Oksoy and similar dangers fronting the W side of Gronningen. This passage, which has a least width of about 0.6 mile, is deep. The fairway, which passes NE of Kinn Light, is indicated by the white sector of Odderoya Light.

Foreign commercial vessels must enter Kristiansandsfjorden by proceeding through Oksoygap.

**Regulations.**—A restricted area, in which navigation is controlled, fronts Kristiansandsfjorden and the adjacent waters. The seaward limit of the area is formed by a line joining Arosveten (58°04'N., 7°50'E.), Hellersoy (58°01'N., 7°49'E.), Lille Svarten (58°03'N., 8°01'E.), Meholskjaer (58°06'N., 8°12'E.), Langbaen (58°07'N., 8°15'E.), and Kryg-holmen (58°07'N., 8°14'E.). Foreign commercial vessels may only enter this area via Oksoygap and with an authorized pilot onboard.

**PUB 193 (Continued)**

**Caution.**—A disused explosives dumping area, the limits of which may best be seen on the chart, lies centered 1 mile NW of Groningen Light.

An explosives dumping area, the limits of which may best be seen on the chart, lies centered 8 miles S of Oksoy Light.

Several submarine cables, which may best be seen on the chart, extend the length of the fjord and lead seaward through Oksoygap.

(BA NP 56) 19/03

Page 12—Lines 1 to 57/R; strike out.

(NIMA) 19/03

Page 13—Lines 1 to 29/L; strike out.

(NIMA) 19/03

Page 13—Lines 28 to 30/R; read:

with depths of 9.4m and 10m alongside.

The port has facilities for general cargo, ro-ro, cruise, container, ferry, tanker, bulk, and fishing vessels. In addition, there are several shipyards, lay-up anchorages, and facilities for servicing oil and gas rigs.

The port has several dry docks. The largest is 210m long, 28m wide, and has a depth of 7.6m on the sill. It can handle vessels up to 40,000 dwt.

Vessels up to 25,000 dwt and 10m draft can be accommodated alongside. Vessels of any size may enter the harbor and anchor.

(Lloyds Ports; BA NP 56) 19/03

Page 13—Lines 34 to 55/R; read:

A cathedral, with a prominent spire, stands in the middle of the town. A conspicuous radio mast, with satellite dishes, is situated about 0.7 mile SSE of the cathedral, near the middle of Odderoya.

**Pilotage.**—See Pilotage under Kristiansandfjorden.  
(BA NP 56) 19/03

Page 16—Line 5/R; insert after:

Mebo Beacon, a prominent tower, stands at an elevation of 49m on the E side of Justoya, 1.5 miles NNE of Noddingen.

**Bregen** (58°12'N., 8°25'E.), a rock awash, lies about 2.2 miles ENE of Noddingen, at the E side of an extensive shallow reef. The reef, which may best be seen on the chart, lies in the S approach to Lillesand and is marked by buoys and perches.

**Gasen Light** (58°11'N., 8°22'E.), equipped with a racon, is shown from a structure standing on a small islet lying about 2 mile NE of Bregen, in the SE approach to Lillesand. Shoals, with rocks awash, extend up to about 0.4 mile E, SSE, and SW of the light. These shoals form the outermost dangers in this vicinity.

(BA NP 56; Nor 2B) 19/03

INDSAR Message Format							
Identifier	Content	SP	ENR	PR	DR	FR	EXR
A/	Vessel's name/Call sign//	X	X	X	X	X	X
B/	Time (UT (GMT))//—(date and time of report 6 digits, day of month 2 digits, and hour and minutes is a 4 digits)	X	X	X	X		
C/	Lat/Long//—(latitude is 4-digit group in degrees and minutes with N or S; longitude is 4-digit group in degrees and minutes E)		X	X	X		
E/	Course//—(true heading is a 3-digit group)	X	X	X	X		
F/	Speed//—(knots and tenths of knots e.g. 155=15.5)	X	X	X	X		
G/	Port of departure//(name of last port of call)	X	X				
I/	Destination/ETA//—(port and ETA as expressed in B)	X	X	R	X <sup>1</sup>		X
K/	Time/point of exit from system//—(time as expressed in B; position as expressed in C)					X	
L/	Route//—(position of each turn point should be given as expressed in C, together with type of intended track between e.g. RL=Rhumb Line, GC=Great Circle or Coast {in this case ETA of passing significant points expressed as expressed in B should be given})	O	O		X <sup>2</sup>		
M/	Radio communications//—(state full name of stations and frequencies guarded)	X	X	O	O		
T/	Vessel's agent//—(name and particulars)	I	I	I	I	I	I
U/	Vessel size/type//—(length, beam in meters, grt, and type)	I	I	I	I	I	I
V/	Medical personnel//—(doctor, physician's assistant, nurse, or no medic)	O	O				
W/	Number of persons on board//						
X/	Time of next report//—(time as expressed in B)	O	O	O	O		
Z/	EOR//	X	X	X	X	X	X

**Key to Symbols:**

X—Required information

X<sup>1</sup>—Required information if destination or route changes. This line is always strongly recommended, even when not required.X<sup>2</sup>—Required information if destination or route changes.

I—Must be included by all Indian vessels. Other vessels may include these items in the Sailing Plan (SP) at their discretion.

O—Optional information.

R—Recommended information.

**Note.**—The International Code of Signals should be used to send messages when language problems exist.

Ash Shuaybah Basin Berthing Information (2003)					
Berth	Length	Depth alongside	Maximum vessel		Remarks
			Draft	Length	
No. 1	140m	10.0m	9.5m	120m	Bagged and bulk fertilizer.
No. 2	160m	11.5m	9.5m	120m	Bagged and bulk fertilizer.
No. 3	200m	12.0m	10.5m	180m	General cargo, clinker, and iron ore.
No. 4	175m	7.5m	6.7m	170m	See Note 1 below.
No. 5	175m	7.5m	6.7m	170m	See Note 1 below.
No. 6	258m	10.5m	10.0m	180m	Bulk sulphur. See Note 1 below.
No. 7	200m	12.5m	11.0m	180m	General cargo, clinker, and iron ore. See Note 1 below.
No. 8	200m	12.5m	11.0m	180m	General cargo, clinker, and iron ore. See Note 1 below.
No. 9	200m	14.0m	13.0m	200m	General cargo.
No. 10	200m	14.0m	13.0m	200m	General cargo.
No. 11	200m	14.0m	13.0m	200m	General cargo.
No. 12	210m	14.0m	13.0m	200m	General cargo.
No. 13	210m	14.0m	13.0m	200m	General cargo.
No. 14	210m	14.0m	13.0m	200m	General cargo and coke.
No. 15	220m	14.0m	13.0m	See Note 2 below.	Container and ro-ro vessels.
No. 16	220m	14.0m	13.0m	See Note 2 below.	Container and ro-ro vessels.
No. 17	220m	14.0m	13.0m	See Note 2 below.	Container and ro-ro vessels.
No. 18	220m	14.0m	13.0m	See Note 2 below.	Container and ro-ro vessels.
No. 19	225m	14.0m	13.0m	200m	General cargo.
No. 20	225m	14.0m	13.0m	200m	General cargo.

**Notes:**

- 1. Only usable in good weather only, as they are exposed.
- 2. No limit on vessel length, but subject to berth occupancy.

Ash Shuaybah Petroleum Products Pier Berthing Information (2003)					
Berth	Length	Maximum draft	Displacement		Remarks
			Minimum	Maximum	
No. 1	283m	15.8m	5,000 dwt	120,000 dwt	It is preferred that vessels berth port side-to.
No. 2	283m	13.7m	5,000 dwt	65,000 dwt	Vessels always berth starboard side-to.
No. 3	293m	15.8m	5,000 dwt	120,000 dwt	It is preferred that vessels berth starboard side-to.
No. 4	233m	13.7m	5,000 dwt	75,000 dwt	Vessels always berth port side-to.

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Mina al Ahmadi Berthing Information (2003)						
Facility	Length	Maximum draft		Displacement		Remarks
		Berthing	Loaded	Minimum	Maximum	
South Pier						
Berth No. 1	283m	12.2m	13.2m	35,000 dwt	126,000 dwt	LPG loading. Vessels always berth port side-to.
Berth No. 3	283m	12.2m	13.2m	35,000 dwt	100,000 dwt	Oil loading/discharge. Vessels always berth port side-to.
Berth No. 4	293m	12.2m	13.7m	35,000 dwt	100,000 dwt	Oil loading/discharge. Vessels always berth port side-to.
Berth No. 5	233m	7.6m	11.5m	5,000 dwt	35,000 dwt	Oil loading/discharge. Vessels always berth starboard side-to.
Berth No. 6	215m	7.6m	11.5m	1,500 dwt	5,000 dwt	Oil loading/discharge. Vessels always berth starboard side-to.
Berth No. 10	320m	12.2m	14.0m	35,000 dwt	126,000 dwt	LPG loading. It is preferred that vessels berth port side-to.
North Pier						
Berth No. 11	454m	15.2m	16.9m	35,000 dwt	315,000 dwt	Oil loading. It is preferred that vessels berth port side-to.
Berth No. 12	351m	15.2m	16.9m	35,000 dwt	315,000 dwt	Oil loading. It is preferred that vessels berth port side-to.
Berth No. 15	265m	10.0m	16.3m	35,000 dwt	12,000 dwt	Oil loading. Vessels always berth starboard side-to.
Berth No. 16	256m	10.0m	16.3m	35,000 dwt	12,000 dwt	Oil loading. Vessels always berth starboard side-to.

## 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
*8496	- CG Mooring Buoy				White and blue.		19/03
*13697	Cape Wind Meteorological Tower Lights MT (2)	41 28 19 N 70 18 53 W	Mo (U) Y	35	4	Monopole steel tower mounted on a pile supported platform marked "MT".	Private aid. HORN: Mo (U) (---).
39380	- LIGHT	44 41 29 N 73 23 07 W	Fl W 4s	75	7	On red skeleton tower.	Higher intensity beam southward.
		*					19/03
39810	SPLIT ROCK POINT LIGHT S	44 16 06 N 73 19 19 W	Fl W 4s	93	7	NB on red skeleton tower.	
		*					19/03

### 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
*1074	- Buoy 35A						19/03
6996	LIGHT 10		Fl R 4s	15	3	TR on pile.	
				*			19/03
14980	- CHANNEL LIGHT 6						Remove from list.
							*
14981	- Lighted Buoy 6		Fl R 2.5s	3	Red.		
	*		*	*	*	*	19/03
24500	- Daybeacon 4	38 16 35 N 76 09 29 W			TR on pile.		Ra ref.
		*					19/03
24505	- LIGHT 5		Fl G 4s	15	4	SG on pile structure with small black house.	
				*			19/03
24510	- Daybeacon 6	38 18 37 N 76 09 46 W			TR on pile.		Ra ref.
		*					19/03
24525	- LIGHT 12		Fl R 4s	15	3	TR on multi-pile structure.	
				*	*		19/03
24530	HONGA RIVER - BACK CREEK ENTRANCE CHANNEL LIGHT 1 20 feet outside channel limit.	38 18 54 N 76 12 53 W	Fl G 4s	15	4	SG on multi-pile structure.	
		*					19/03

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

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
24545	- CHANNEL LIGHT 15		Fl G 6s	15	3	SG on multi-pile structure.	
					*		19/03
24550	- CHANNEL LIGHT 17	38 21 04 N 76 13 05 W	Fl G 4s	15	3	SG on pile.	
		*			*		19/03
<b>Tar Bay</b>							
24580	- CHANNEL LIGHT 1	38 21 07 N 76 16 20 W	Fl G 4s	15	5	SG on multi-pile structure.	
					*		19/03
24585	- CHANNEL LIGHT 2	38 21 05 N 76 15 56 W	Fl R 4s	15	3	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
					*		19/03
24590	- CHANNEL LIGHT 3	38 21 06 N 76 15 41 W	Fl G 4s	15	3	SG on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
					*		19/03
24595	- CHANNEL LIGHT 4	38 20 53 N 76 15 26 W	Fl R 4s	15	3	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
					*		19/03
24600	- CHANNEL LIGHT 5	38 20 49 N 76 14 51 W	Fl G 6s	15	3	SG on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
					*		19/03
24605	- CHANNEL LIGHT 6	38 20 36 N 76 14 23 W	Fl R 4s	15	3	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
					*		19/03
24610	- CHANNEL LIGHT 7	38 20 39 N 76 14 09 W	Fl G 4s	15	3	SG on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
					*		19/03
24615	- CHANNEL LIGHT 8		Fl R 4s	15	3	TR on multi-pile structure.	
					*		19/03
24620	Tyler Cove Channel Daybeacon 1				SG on multi-pile structure.		
					*		19/03
24625	Tyler Cove Channel Daybeacon 2				TR on multi-pile structure.		
					*		19/03
24655	- Daybeacon 3	38 30 14 N 76 16 15 W			SG on multi-pile structure.		
		*			*		19/03

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

Denotes a new entry when preceding the station number.

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
24660	- LIGHT 4	38 30 08 N 76 16 15 W	Fl R 4s	15	3	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15. * 19/03
24685	- LIGHT 9	38 29 41 N 76 16 42 W	Fl G 2.5s	15	3	SG on multi-pile structure.	* 19/03
24690	- LIGHT 10	38 29 07 N 76 17 08 W	Fl R 4s	15	3	TR on multi-pile structure.	* 19/03
24730	- LIGHT 9		Fl G 4s	15	3	SG on multi-pile structure.	* 19/03
<b>Madison Bay</b>							
24735	- LIGHT 2	38 31 51 N 76 13 32 W	Fl R 4s	15	3	TR on multi-pile structure.	* 19/03
24920	ISLAND CREEK LIGHT 1	38 39 19 N 76 09 33 W	Fl G 4s	15	4	SG on multi-pile structure.	*
24975	- CHANNEL LIGHT 20	38 36 01 N 76 06 52 W	Fl R 4s	15	4	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15. * 19/03
25055	CAMBRIDGE SEWER OUTFALL WARNING LIGHT	38 34 22 N 76 03 10 W	Q W	15	4	NW on pile worded DANGER SUBMERGED PIPE.	*
<b>Broad Creek</b>							
25530	- LIGHT 1	38 41 39 N 76 14 58 W	Fl G 4s	15	4	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15. * 19/03
<b>Balls Creek</b>							
25540	- LIGHT 1	38 43 12 N 76 16 11 W	Fl G 4s	15	4	SG on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15. * 19/03
<b>CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003</b>							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
590	St. Augustine Light	29 53 08 N 81 17 19 W	FFI W 30s	161	F 19 Fl 24	Conical tower, white base with black cornice; black and white spirally-banded shaft; black below lantern gallery deck; red above.	Private aid. *
19/03							

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
965	Conch Reef Buoy 12 Near seaward edge of reef.	24 56 48 N 80 27 26 W				Red nun.	

\*

19/03

### ALLIGATOR REEF TO SOMBRERO KEY (Chart 11452)

985	Tennessee Reef East Lighted Buoy 18	24 47 32 N 80 41 36 W	Fl R 2.5s	5	Red.		
			*				19/03
1040 14800	Key West Entrance Lighted Whistle Buoy KW	24 27 41 N 81 48 02 W	Mo (A) W	6	Red and white stripes with red spherical topmark.		
			*				19/03

### KEY WEST HARBOR AND APPROACHES (Chart 11441)

#### Key West Harbor Main Channel

14800 1040	- Entrance Lighted Whistle Buoy KW	24 27 41 N 81 48 02 W	Mo (A) W	6	Red and white stripes with red spherical topmark.		
			*				19/03

\*Add Heading:  
\*Essex River

*48905.1	- Daybeacon 7			SG on pile.	Private aid.		
			*				19/03
*48905.2	- Daybeacon 8			TR on pile.	Private aid.		
			*				19/03
*48905.3	- Daybeacon 9			SG on pile.	Private aid.		
			*				19/03

\*Add Headings:  
\*Biscayne Bay  
\*Dinner Key Seaplane Channel

48910	BISCAYNE BAY DANGER SHOAL LIGHT	25 42 35 N 80 11 59 W	Fl W 4s	16	4	NW on pile worded DANGER SHOAL.	
							19/03

### 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
<b>North Shore Channel</b>							
9605	- CUT A RANGE FRONT LIGHT	30 11 50 N 89 46 33 W	Q W	20		KRW on skeleton tower on piles. Visible on range line only.	
		*					19/03
9650	- CUT B RANGE FRONT LIGHT	30 11 47 N 89 46 27 W	Q W	20		KRW on skeleton tower on dolphin. Visible on range line only.	
		*					19/03

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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
17365	- Daybeacon 4						Remove from list.  * 19/03
17375	- LIGHT 6						Remove from list.  * 19/03
<b>TIMBALIER AND TERREBONNE BAYS (Chart 11357)</b>							
17385	CAILLOU BOCA ENTRANCE LIGHT 2	29 04 04 N 90 47 40 W	Fl R 2.5s	17	4	TR on piles.	
	*	*	*	*	*	*	19/03
22950	LOWER GALVESTON BAY INNER RANGE FRONT LIGHT	29 30 30 N 94 52 22 W	Fl W 2.5s (Day) Fl G 2.5s (Night) Fl G 2.5s	42 39 55	4	On piles.	DAY: Visible 2° each side of range line. NIGHT: Visible all around, higher intensity on range line.
	*	*	*				19/03
23217	MORGANS POINT APPROACH OUTER RANGE FRONT PASSING LIGHT		Q G	32	5	On same structure as Morgans Point Approach Outer Range Front Light.	
	*						19/03
25655	FREEPORT JETTY INBOUND RANGE REAR LIGHT 2,317 yards, 317.5° from front light.		Oc W 4s (Day) Oc G 4s (Night)	143 146		KRW on skeleton tower on block.	Visible 2° each side of rangeline. Lighted throughout 24 hours.
	*			*		*	19/03
26010	- RANGE B FRONT LIGHT	28 25 41 N 96 19 37 W	Q W	20		KRW on skeleton tower on block.	Visible 2° each side of rangeline.
	*					*	19/03
26045	- LIGHT 17	28 26 29 N 96 20 50 W	Fl G 2.5s	17	4	SG on pile.	Ra ref.
	*						19/03
<b>Viola Channel</b>							
27705	- RANGE G FRONT LIGHT	27 50 36 N 97 30 54 W	Q G	20		KRW on skeleton tower on sills.	Visible all around; higher intensity on rangeline.
	*			*		*	19/03
27770	- INNER RANGE FRONT LIGHT	27 52 30 N 97 15 00 W	Q G	17		KRW on skeleton tower on piles.	Visible 2° each side of rangeline. Ra ref.
	*						19/03
27835	- LIGHT 14 170 feet outside channel limit.		Fl R 4s	17	3	TR on skeleton tower.	
	*						19/03
27850	- LIGHT 17		Fl G 2.5s	17	3	SG on dolphin.	Ra ref.
	*						19/03

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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
28105	- RANGE REAR LIGHT 800 yards, 267.5° from front light.		Oc R 4s	62		KRW on skeleton tower on block.	Visible 2° each side of rangeline. F R aircraft warning light on tower.
				*		*	19/03
28150	- ENTRANCE RANGE FRONT LIGHT	26 03 57 N 97 10 16 W	Q G	37		KRW on skeleton tower on piles.	Visible 2° each side of rangeline.
		*					19/03
28260	- LIGHT 16	26 03 33 N 97 10 49 W	Fl R 2.5s	17	3	TR on dolphin.	Ra ref.
		*			*		19/03
28280	- LIGHT 27		Fl G 2.5s	17	4	SG on pile.	Ra ref.
					*		19/03
28300 40725	- LEADING LIGHT	26 02 51 N 97 12 26 W	Iso W 6s	17	6	NB on pile.	
		*					19/03
28350 40740	- RANGE C FRONT LIGHT	26 02 17 N 97 12 43 W	Q G Q G	25 27	3	KRW-I on skeleton tower on piles.	Visible all around; higher intensity on range line.
		*	*	*	*		19/03
28375 40765	- LIGHT 33		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
				*	*		19/03
28380 40770	- RANGE E FRONT LIGHT	26 01 27 N 97 14 37 W	Q W Q W	33 35	5	KRW-I on skeleton tower on piles.	For downbound traffic. Visible all around; higher intensity 2° each side of rangeline.
		*		*	*		*
28395 40785	- RANGE B FRONT LIGHT	26 00 52 N 97 15 46 W	Q R Q R	25 27	3	KRW-I on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
		*	*	*	*		*
28420 40825	- RANGE D FRONT LIGHT	25 58 58 N 97 19 57 W	Q W Q W	25 27	5	KRW-I on skeleton tower.	Visible all around; higher intensity on rangeline.
		*	*	*	*		*
28430 40810	- LIGHT 40		Fl R 4s	17	4	TR-TY on skeleton tower on piles.	
				*	*		19/03
28435 40815	- RANGE G FRONT LIGHT	25 58 44 N 97 19 22 W	Q G Q G	25 27	3	KRW-I on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
		*	*	*	*		*
28460 40845	- RANGE F FRONT LIGHT	25 57 02 N 97 24 11 W	Fl W 2.5s (Day) Fl G 2.5s (Night)	47 45		KRW-I on skeleton tower.	Visible 2° each side of rangeline.
		*	*				19/03

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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
28465 40855	- RANGE F REAR LIGHT 3,870 yards, 249° from front light.		Oc W 4s (Day) Oc G 4s (Night)	95 98		KRW on skeleton tower.	Visible 2° each side of rangeline. Lighted throughout 24 hours.
			*	*			19/03
28805	- LIGHT 28		Q R	17	3	TR-TY on dolphin.	
			*				19/03
28920	- LIGHT 58		Fl R 6s	17	4	TR-TY on dolphin.	
			*				19/03
28940	- LIGHT 64		Fl R 4s	17	3	TR-TY on dolphin.	Ra ref.
			*				19/03
29095	- RANGE FRONT LIGHT	29 43 21 N 84 58 48 W	Q G Q G	15 17	3	KRW-I on dolphin.	Visible all around; higher intensity on rangeline.
			*	*	*		19/03
32515	- LIGHT 9		Fl G 4s	17	4	SG on pile.	Ra ref.
			*				19/03
40725 28300	PORT ISABEL CHANNEL LEADING LIGHT	26 02 51 N 97 12 26 W	Iso W 6s	17	6	NB on pile.	
		*					19/03
40740 28350	- RANGE C FRONT LIGHT	26 02 12 N 97 12 42 W	Q G Q G	25 27	3	KRW-I on skeleton tower on piles.	Visible all around; higher intensity on range line.
			*	*	*		19/03
40765 28375	- LIGHT 33		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
			*	*			19/03
40770 28380	- RANGE E FRONT LIGHT	26 01 27 N 97 14 37 W	Q W Q W	33 35	5	KRW-I on skeleton tower on piles.	For downbound traffic. Visible all around; higher intensity 2° each side of rangeline.
			*	*	*		*
40785 28395	- RANGE B FRONT LIGHT	26 00 54 N 97 15 42 W	Q R Q R	25 27	3	KRW-I on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
			*	*	*		*
40810 28430	- LIGHT 40		Fl R 4s	17	4	TR-TY on skeleton tower on piles.	
			*	*			19/03
40815 28435	- RANGE G FRONT LIGHT	25 58 48 N 97 19 00 W	Q G Q G	25 27	3	KRW-I on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
			*	*	*		*
							19/03

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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
40825 28420	- RANGE D FRONT LIGHT	25 58 30 N 97 19 54 W	Q W Q W	25 27	5	KRW-I on skeleton tower.	Visible all around; higher intensity on rangeline.  * * *
							* 19/03
40845 28460	- RANGE F FRONT LIGHT	25 57 02 N 97 24 11 W	Fl W 2.5s (Day) Fl G 2.5s (Night)	47 45		KRW-I on skeleton tower.	Visible 2° each side of rangeline.  * *
							19/03
40855 28465	- RANGE F REAR LIGHT 3,870 yards, 249° from front light.		Oc W 4s (Day) Oc G 4s (Night)	95 98		KRW on skeleton tower.	Visible 2° each side of rangeline. Lighted throughout 24 hours.  * *
							19/03

### 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
4820	San Francisco Bay Preferred Channel Lighted Buoy SC	37 46 32 N 122 21 57 W	Fl G (2+1)			Green and red.	*
							19/03
*17136	PORT OF TACOMA TERMINAL NO. 8 LIGHT A	47 16 14 N 122 25 14 W	Q Y	16		On dolphin.	Private aid.  19/03
*17137	PORT OF TACOMA TERMINAL NO. 8 LIGHT B	47 16 13 N 122 25 13 W	Q Y	16		On corner of pier.	Private aid.  19/03
*17815	BANGOR SECURITY BARRIER FLOAT LIGHTS (103)	47 45 03 N 122 44 03 W	Q Y			Gray floating barrier.	Navy maintained. Floating steel barrier system marked by lights. 103 Q Y  19/03
*18089	BREMERTON SECURITY BARRIER FLOAT LIGHTS (152)	47 33 12 N 122 38 19 W	Q Y			Gray floating barrier.	Navy maintained. Floating steel barrier system marked by lights. 152 Q Y  19/03
21834	Island Point Coast Guard Mooring Buoy					Remove from list.	*
							19/03
<b>*Delete Headings:</b>							
<b>*HECATE STRAIT TO ETOLIN ISLAND (Chart 17420)</b>							
<b>*Dixon Entrance</b>							
21835	LORD ROCK LIGHT	54 43 33 N 130 49 13 W	Fl W 4s	38	7	NR on skeleton tower.	
							19/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
27305	- Buoy 11	55 02 10 N 163 25 04 W				Green can.	
		*					19/03
<b>Garapan Channel</b>							
30917	- LIGHT 1	15 11 49 N 145 42 31 E	FL G 2.5s	20		On concrete lighthouse.	Private aid.
		*					19/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2464 -Cabo San Vicente. G 1425.5		52° 46.6' S 70° 25.9' W	Fl.W. period 5s fl. 0.4s, ec. 4.6s	210 <b>64</b>	10	White square concrete tower, red band; 15.	Visible 303°-233°.
		*		*		*	19/03
*2562.5 -Islote Pollera. G 1333.17		55° 03.0' S 70° 12.3' W	Fl.R. period 5s fl. 1s, ec. 4s	82 <b>25</b>	6	STARBOARD (B) R, fiberglass tower, topmark; 11.	
							19/03
*2563 -Islote Salientes. G 1333.19		55° 06.8' S 70° 14.4' W	Q.(9)W. period 15s	39 <b>12</b>	6	W. CARDINAL YBY, fiberglass tower, topmark; 11.	Visible 177°-007° and 019°-051°.
							19/03
*2714 Paso del Mar.		55° 52.7' S 67° 10.6' W	Fl.G. period 5s	98 <b>30</b>	4	PORT (B) GW, metal pillar, topmark; 10.	Visible 155°-345°.
							19/03
KANGAROO ISLAND:							
8136 -Cape Willoughby. K 2112		35° 50.6' S 138° 08.2' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	246 <b>75</b>	11	White round stone tower; 85.	Visible 171°-050°. Reserve light 19M.
		*	*	*	*	*	19/03
8204 -Snapper Point. K 2108							Remove from list.
							*
8208 --Cape St. Alban. K 2110		35° 48.2' S 138° 07.7' E	Fl.W. period 5s	156 <b>48</b>	14	White round masonry tower; 30.	Visible 118°-005° or until obscured by Cape Willoughby; obscured elsewhere.
		*	*	*	*	*	19/03
8212 South Page. K 2114		35° 46.7' S 138° 17.6' E	Fl.W. period 10s	89 <b>27</b>	19	Metal framework tower on white fiberglass hut; 7.	
			Iso.R. period 2s	85 <b>26</b>	10		Visible 105°-120° over Yatala Shoal.
		*	*	*	*	*	19/03

### CORRECTIONS TO PUB 111, RADIOBEACONS, 2002 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
2090 Adelaide							Remove from list.
							*
							19/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11352 <i>F 5117</i>	-Suguchi Ura approach.	32° 11.1' N 130° 00.4' E	Fl.(2)R. period 6s	49 15	5	Red tower; 35.	
		*			*		19/03
13108 <i>F 4782.9</i>	-Maegomori Ko, breakwater.	29° 09.6' N 129° 12.5' E	Fl.G. period 3s	52 16	5	White tower; 29.	
		*			*		19/03
13354 <i>F 4750.2</i>	Yonabaru Wan, breakwater, head.	26° 11.5' N 127° 48.6' E	Fl.G. period 3s	30 9	3	White tower; 18.	
		*	*		*	*	19/03
13832 <i>F 4629</i>	-Anping Harbor, N. breakwater.	22° 58.0' N 120° 09.3' E	Fl.W. period 6s fl. 1.5s, ec. 4.5s	52 16	8	White metal post; 42.	
		*	*	*	*	*	19/03
13836 <i>F 4629.2</i>	-Anping Harbor, S. breakwater.	22° 57.9' N 120° 09.4' E	Fl.R. period 6s fl. 1.5s, ec. 4.5s	52 16	8	Red metal post; 42.	
		*	*	*	*	*	19/03
14288 <i>F 2647</i>	-Sangley Point AVIATION LIGHT.	14° 29.8' N 120° 55.0' E	Al.Fl.W.G. period 10s	120 37	15	Tower; 108.	Oc.R. 2s 47m on radio mast 0.8 mile SW.
		*	*		*		*
15070 <i>F 2275</i>	Panguil Bay.	8° 02.6' N 123° 47.3' E	Fl.G. period 5s		7	White metal and fiberglass tower; 33.	
		*	*		*		19/03
17376 <i>F 4266</i>	Sanchi.	33° 31.3' N 126° 32.7' E	Fl.W. period 15s	236 72	26	White round concrete tower; 59.	Visible 071°-252°. Storm signals. Horn: 1 bl. ev. 50s. Radiobeacon 755 meters SSW.
				*			19/03
*17437	Sinyang hang.	33° 25.7' N 126° 55.2' E	Fl.G. period 6s	39 12	5	White round steel tower; 26.	
							19/03
17467	Seogwipo Oehang, breakwater.	33° 14.0' N 126° 34.0' E	F.W.	56 17	7	Red round concrete tower; 49.	Visible 095°30'-101°.
			*			*	19/03
17830 <i>F 4189.8</i>	Taehwasa Do.	36° 14.9' N 126° 17.0' E	Fl.W. period 10s	331 101	17	White square concrete tower; 36.	
		*	*	*	*		19/03
17863 <i>F 4156.35</i>	Sindotasoo.	36° 53.6' N 126° 09.2' E	Fl.G. period 6s	52 16	13	PORT (B) G, beacon, topmark; 50.	
	RACON	G(- - -)			12		
				*			19/03

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17868	-Chongkoktu.	36° 53.1' N 126° 10.6' E	Fl.I.W. period 5s	79 24	15	White round concrete tower; 23.	
	*	*			*		19/03
*21461.9	-N. beacon. F 1697.979	1° 08.3' N 104° 03.6' E	Fl.I.R. period 3s fl. 0.5s, ec. 2.5s	23 7	6	PORT (A) R, beacon, topmark.	
							19/03
21716	Tanjong Tohor. F 1650	1° 50.7' N 102° 42.4' E	Fl.I.W. period 5s	52 16	13		Radar reflector.
	*	*			*		19/03
21848	-Pulau Angsa. F 1586	3° 11.2' N 101° 13.0' E	Fl.I.W.R. period 10s	117 36	W 22 R 15	White round concrete tower; 35. W. 145°-315°, R.-145°. Partially obscured by Obstruction light F.R. 28m 323°30'-010°30'.	
			*		*		*
*24844.5	-Pegah Estuary. K 1460.6	1° 01.1' S 117° 21.4' E	Mo.(U)Y. period 15s fl. 0.4s, ec. 0.4s fl. 0.4s, ec. 0.4s fl. 1.4s, ec. 11.9s	59 18	12	SPECIAL Y, beacon.	
							19/03
	-RACON		Q(--*)				
							19/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14250	-Budva. E 3687	42° 17.1' N 18° 50.9' E	Fl.I.R. period 2.5s fl. 0.5s, ec. 2s	16 5	6	White round tower, column and balcony; 20.	
			*	*			*
							19/03

### 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
1676	Cromer. A 2342	52° 55.5' N 1° 19.1' E	Fl.I.W. period 5s fl. 0.1s, ec. 4.9s	276 84	21	White octagonal tower; 59.	Visible 102°-307°. Shown 24 hours.
	RACON		O(--) period 60s fl. 20s, ec. 40s		25		
				*			19/03

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*13014	-Sifjord, mole. L 3495	69° 17.1' N 17° 09.2' E	Iso.R. period 2s	16 5	3	Lantern on post.	

19/03

**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 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12324 <i>C 3540.1</i>	-Rear, 95 meters 326°06' from front.	57° 03.1' N 24° 03.5' E	Iso.W. period 3s	39 12	3	White framework structure, black stripe, white square daymark, black stripe; 29.	Visible on range line only. Synchronized with front.
*	*						19/03
*12707 <i>C 3721</i>	-Soru Range, front.	58° 42.1' N 22° 29.5' E	Q.W.	43 13	9	White round concrete tower, red lantern; 36.	Visible on range line only. Shown Apr. 20 to Dec. 10.
							19/03
12708 <i>C 3721.1</i>	-Rear, 0.26 mile 310°36' from front.	58° 42.2' N 22° 29.1' E	Iso.W.R.G. period 4s	59 18	W. 7 R. 4 G. 2	White round concrete tower, red lantern; 52.	W. 300°-003°, G.-044°, W.-074°30', R.-086°30', W.-133°. Shown Apr. 20 to Dec. 10.
*	*	*	*	*	*	*	19/03

**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

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 19/03

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, 14,15,17,19/03	SDPUB153	2000	6/01*,28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15/03	COAST PILOT NOSPBCP1	32	37*,39,41,47,51/01; 1,5,7,13,18,33,37, 39,42,45,49,51/02;3, 9,10,18/03
Region 2	2002	1*,8,15,17/03	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14, 19/03	NOSPBCP2	32	17*,18/03
Region 3	2002	1/03*	SDPUB155	2001	31*,48/01;10,45, 46/02	NOSPBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02;3,10, 12,13,14,18/03
Region 4	2002	1/03*	SDPUB158	2000	50/00*,5,10,12,13, 15,17,20,24/01; 46/02	NOSPBCP4	34	49*,51/02;12,14, 18/03
Region 5	2002	1*,3,5,8/03	SDPUB159	2002	42*,48/02	NOSPBCP5	30	2*,6,10,12,14,18/03
Region 6	2002	1*,10,11,13,16, 19/03	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19/03	NOSPBCP6	32	19*,20,21,33,39,45, 47,49,51/02;3,6, 18/03
Region 7	2002	1*,11,15/03	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	NOSPBCP7	34	1*,3,10,18/03
Region 8	2002	1*,14/03	SDPUB162	2001	51/01*,5,12/03	NOSPBCP8	24	3*,5,16,17,19,23,33, 37,40,47,50,51/02;9, 18/03
Region 9	2002	1/03*	SDPUB163	2002	18*,20,21,26,46, 51/02;13/03	NOSPBCP9	20	12*,20,23,33,37,45, 50,51/02;3,6,9,10, 14,18/03
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19/03	SDPUB164	2000	30/00*,31,35,36/01; 8/03	<b>RADIO NAVIGATIONAL AIDS</b>		
<b>NIMA LIST OF LIGHTS</b>								
LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18/03	SDPUB165	2001	40*,47,48,52/01;5,9, 14,16,41/02	RAPUB117	2002	50/02*,13/03
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51/02;1, 2,3,4,5,6,7,8,9,10, 12,15,16,17,18, 19/03	SDPUB171	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19/03	<b>AMERICAN PRACTICAL NAVIGATOR</b>		
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19/03	SDPUB173	2002	50*,51/02;3/03	NVPUB9	2002	36/02*,14/03
LLPUB113	2002	45*,47,48,50,51, 52/02;1,2,3,4,5,6,7, 8,10,11,12,13,14,15, 16,17,18,19/03	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02	NVPUB102	1999	46/99*,52/01
LLPUB114	2003	17*,19/03	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02	<b>INTERNATIONAL CODE OF SIGNALS</b>		
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02;1,15,19/03	SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17/03	NVPUB150	2000	50/00*,14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15/03
LLPUB116	2002	18*,20,21,22,24,25, 26,27,29,31,34,37, 41,42,44,45,46,47, 48,49,50,52/02;1,2, 4,5,6,7,8,9,10,11,12, 13,16,17,18,19/03	SDPUB181	2002	38*,39/02	<b>DISTANCES BETWEEN PORTS</b>		
<b>SAILING DIRECTIONS</b>								
CDPUBSD125	2003	19/03*	SDPUB182	2001	8*,10,12,41/02;	NVPUB151	2001	4/02*
CDPUBSD131	2002	9/03*	SDPUB183	2001	27/01*,13,15,16/02; 18/03	<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
CDPUBSD146	2002	4/03*	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, 18/03	CDPUBNV1310	2001	51/01*
CDPUBSD157	2002	17/03*	SDPUB192	2000	14*,16,17,18,24,26, 31,36,38,39,46/00;4, 14,17,21,22,23,25, 26,28,30,31,32/01; 11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02;4,5,6,7,8, 13/03	<b>SIGHT REDUCTION TABLES (MARINE)</b>		
CDPUBSD194	2002	6*,8,15,17/03	SDPUB193	2000	27*,38,39/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19/03	SRPUB229V1	1970	11/71*
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, 10,11,12,14,17/03	SDPUB195	2002	33*,40,49,51,52/02;	SRPUB229V2	1970	11/71*
SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02	SDPUB200	2002	1,2,3,15,16/03	SRPUB229V3	1970	7/71*
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02			38*,39,42/02	SRPUB229V4	1970	3/71*
SDPUB126	2002	39*,41,42,43,44,45, 48/02				SRPUB229V5	1970	3/71*
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				SRPUB229V6	1970	23/70*
<b>USCG LIGHT LIST VOLUMES I - VII</b>								
SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	COMDTM165021	2003	17*,18,19/03	SRPUB249V1	2000	4/01*
SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19/03	COMDTM165022	2003	17*,18,19/03	SRPUB249V2	1952	46/52*
SDPUB141	2001	21*,38/01	COMDTM165023	2003	17*,18,19/03	SRPUB249V3	1952	46/52*
SDPUB142	2000	49/00*,3,31,35/01; 1,15,43/02	COMDTM165024	2003	18*,19/03	<b>SIGHT REDUCTION TABLES (AIR)</b>		
SDPUB143	2000	8*,10,19,29/00;16, 26/01;1,25/02;9/03	COMDTM165025	2002	16/02*	SRPUB249V4	1970	11/71*
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	COMDTM165026	2003	18*,19/03	SRPUB249V5	1970	7/71*
SDPUB147	2001	35/01*,21,22,23, 24/02	COMDTM165027	2003	18/03*	SRPUB249V6	1970	23/70*
SDPUB148	2001	48/01*,23,24/02	<b>CHART NO. 1</b>			<b>CHART NO. 4</b>		
<b>NOS MISCELLANEOUS PUBLICATIONS</b>								
NOSPBCATALOG1	2000	20/00*	FGPUB940ATL	2001	N47/01*	WOBZC1	1997	18/98*
NOSPBCATALOG2	2000	34/00*	FGPUB941PAC	2001	N22/01*	<b>CHART NO. 4</b>		
NOSPBCATALOG3	2000	28/00*	<b>ATLAS OF PILOT CHARTS</b>			WOBZC4	1988	N20/89*
NOSPBCATALOG4	2000	34/00*	COMDTM166722D	1999	44/99*,52/00	NVPUB107	1998	30/99*
<b>ALMANACS</b>								
AIRALMANAC301	2003	44/02*	<b>USCG NAVIGATION RULES</b>			NVPUB109	2001	49/02*
NAUTALMANAC03	2003	44/02*	COMDTM166722D	1999	44/99*,52/00	<b>NOS TIDE TABLES</b>		
<b>NOS TIDE TABLES</b>								
NOSPBTTCWPACIN3	2003	N4/03*	NOSPBTTECSTNSA3	2003	N4/03*	NOSPBTTEURAFR3	2003	N4/03*

**SECTION II****PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 19/03**

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

NIMA Reference No.	Ed.	Notice to Mariners No.		
NOSPBTWCSTNSA3	2003	N4/03*		
<b>TIDAL CURRENT TABLES</b>				
NOSPBCTATCSTN3	2003	N4/03*		
NOSPBCTPACAS3	2003	N4/03*		

## SECTION III

NM 19/03

### 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 April 2003:

2001 series	346(GEN)	2003 series	142(24,25)	162(11,26)
393(GEN)	351(11)	99(11)	151(24)	165(24,25,26)
2002 series	365(14)	107(GEN)	156(11,26)	166(24,25,26)
219(GEN)	468(GEN)	108(26,27)	160(GEN)	167(24)

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 quarter are issued in NM 13/03.

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

156/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
  - A. 0400Z TO 0359Z COMMENCING DAILY  
21 THRU 27 APR IN AREA BOUND BY  
30-45N 080-54W, 30-45N 080-11W,  
30-36N 080-11W, 30-33N 080-55W.
  - B. 0400Z TO 0359Z COMMENCING DAILY  
21 THRU 27 APR IN AREA BETWEEN  
29-10N 29-20N AND 079-40W 079-50W.
  - C. 1400Z TO 0600Z COMMENCING DAILY  
24 AND 25 APR IN AREA BETWEEN  
30-00N 29-50N AND 081-00W 080-50W.
  - D. 222359Z TO 230359Z IN AREA BOUND BY  
30-35N 081-21W, 30-35N 081-00W,  
30-00N 081-02W, 30-00N 081-15W.
2. CANCEL THIS MSG 280459Z APR.

(181320Z APR 2003)

157/03 thru 159/03. CANCELED.

160/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 200900Z APR 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 99(11), 107(GEN), 108(26,27), 142(24,25), 150(11,26), 151(24), 156(11,26), 159(GEN).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL NAVAREA IV 153/03.

(200910Z APR 2003)

161/03. CANCELED.

162/03(11,26). NORTH ATLANTIC. FLORIDA.

1. LORAN-C STATION JUPITER INLET, RATE 7980-Y, UNUSABLE  
251200Z TO 251600Z APR.
2. CANCEL THIS MSG 251700Z APR.

(212139Z APR 2003)

163/03 and 164/03. CANCELED.

165/03(24,25,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 231820Z TO 232337Z APR, ALTERNATE 241820Z TO 242337Z APR IN AREAS BOUND BY:
  - A. 29-08N 076-29W, 28-32N 076-29W,  
28-32N 075-44W, 29-08N 075-45W.
  - B. 28-24N 073-13W, 27-53N 073-20W,  
27-39N 072-22W, 27-32N 071-22W,  
27-56N 071-14W, 28-10N 072-06W.
  - C. 26-56N 067-12W, 26-01N 067-28W,  
25-28N 065-42W, 26-24N 065-22W.
  - D. 17-15N 044-00W, 16-24N 044-29W,  
14-52N 041-45W, 14-10N 039-28W,  
14-54N 039-01W, 16-29N 041-34W.
2. CANCEL THIS MSG 250037Z APR.

(221700Z APR 2003)

### SECTION III

166/03(24,25,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 281100Z TO 281546Z APR, ALTERNATE 291100Z TO 291546Z APR IN AREAS BOUND BY:
  - A. 29-11N 078-35W, 29-04N 077-07W,  
28-43N 077-09W, 28-50N 078-37W.
  - B. 28-29N 070-37W, 28-12N 069-12W,  
27-31N 069-24W, 27-48N 070-52W.
  - C. 28-02N 062-23W, 27-34N 060-50W,  
23-53N 061-48W, 24-24N 063-30W.
  - D. 14-43N 035-42W, 12-38N 035-12W,  
10-58N 033-15W, 13-06N 036-36W.
2. CANCEL THIS MSG 291646Z APR.

(231300Z APR 2003)

167/03(24). NORTH ATLANTIC.

1. OCEANOGRAPHIC OPERATIONS 27 APR THRU 03 JUN BY M/V L'ATALANTE TOWING 600 METER LONG CABLE IN AREAS BOUND BY:
  - A. 05-15N 051-00W, 09-00N 048-00W, 11-00N 051-00W,  
06-00N 053-30W.
  - B. 06-15N 047-30W, 06-15N 048-20W, 07-45N 048-20W,  
07-45N 047-30W.
- WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 04 JUN.

(240940Z APR 2003)

## SECTION III

### HYDROLANTS

Messages in force 241200Z April 2003:

2000 series	1485(24)	181(57)	604(26,27)	754(37)	824(53)
1569(36)	2027(GEN)	271(GEN)	633(37)	771(51,52)	825(53)
2937(38)	2203(51)	309(24)	635(51)	786(57)	826(24,57)
3762(43)	2354(53)	317(37)	642(37,43)	787(56)	827(53)
4265(44)	2673(GEN)	339(GEN)	660(52)	788(24,57)	828(24)
2001 series	2682(51)	390(22)	671(53)	789(57)	829(24)
611(44)	2808(24)	433(GEN)	675(37)	792(55)	830(24)
1798(37)	2848(37)	490(51)	687(56)	800(23,29)	831(24)
2659(GEN)	2869(52)	522(24)	713(52)	807(GEN)	832(24)
2700(37)	2882(54)	536(36)	722(55)	811(52)	833(24)
3161(44)	2883(54)	544(55)	730(52)	812(37)	836(24)
2002 series	2003 series	551(53)	738(35)	813(23,24)	837(35)
245(GEN)	41(37)	563(37)	741(GEN)	818(36)	838(37)
246(GEN)	65(53)	579(37)	744(56)	820(GEN)	839(55)
383(53)	67(37)	580(53)	749(55)	822(53)	840(24)
946(53)	76(54)	599(GEN)	750(35)	823(53)	

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 quarter are issued in NM 13/03.

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

792/03(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 220730Z TO 221300Z,  
230500Z TO 231300Z, 240730Z TO 241730Z  
AND 251130Z TO 251730Z APR IN AREA BOUND  
BY 44-43.8N 032-52.2E, 44-34.8N 032-37.4E,  
44-39.0N 032-11.5E, 44-48.4N 032-08.2E,  
45-00.2N 032-14.2E, 44-52.2N 032-41.6E.
2. CANCEL HYDROLANT 404/03(37).
3. CANCEL THIS MSG 251830Z APR.

(171245Z APR 2003)

793/03 thru 799/03. CANCELED.

800/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 17 APR IN:
  - A. A-38A, 22 MILES BY 48 MILES IN 61-00S 052-36W.
  - B. A-38B, 22 MILES BY 25 MILES IN 61-36S 052-06W.
  - C. A-38C, SEVEN MILES BY 11 MILES IN 60-18S 047-36W.
  - D. A-43B, 13 MILES BY 40 MILES IN 54-24S 039-12W.
  - E. A-43C, 24 MILES BY 41 MILES IN 59-12S 036-24W.
  - F. A-43G, EIGHT MILES BY 49 MILES IN 49-48S 039-54W.
  - G. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
  - H. A-46, FOUR MILES BY 11 MILES IN 53-48S 043-54W.
  - I. A-47, NINE MILES BY 14 MILES IN 52-24S 046-54W.
  - J. B-09A, 15 MILES BY 22 MILES IN 51-12S 032-30W.
2. CANCEL HYDROLANT 758/03.
3. CANCEL THIS MSG 25 APR.

(181800Z APR 2003)

801/03 thru 806/03. CANCELED.

807/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 200900Z APR 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 536(36), 544(55), 551(53), 563(37), 579(37),  
580(53), 599(GEN), 604(26,27), 633(37), 635(51), 642(37,43),  
653(53), 660(52), 671(53), 675(37), 686(55), 687(56),  
713(52), 722(55), 730(52), 732(37), 738(35), 741(GEN),  
743(56), 744(56), 749(55), 750(35), 754(37), 771(51,52),  
772(42), 786(57), 787(56), 788(24,57), 789(57), 792(55),  
794(51), 795(24), 798(24), 799(24), 800(23,29), 801(24),  
802(24), 804(GEN), 805(37), 806(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL HYDROLANT 764/03.

(200915Z APR 2003)

808/03 thru 810/03. CANCELED.

## SECTION III

811/03(52). ALBORAN SEA. ALGERIA.

CHART 52060 (16TH ED).

1. NAVIGATION PROHIBITED UNTIL 241600Z APR IN AREA  
BOUND BY 35-29N 001-14W, 35-17N 001-50W,  
35-53N 001-50W, 35-38N 001-08W.
2. CANCEL THIS MSG 241700Z APR.

(210033Z APR 2003)

812/03(37). DOVER STRAIT.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER  
NOTICE BY CABLESHIP MAERSK DEFENDER WITH SUBMERSIBLE  
VICINITY 51-02.5N 001-44.1E. WIDE BERTH REQUESTED.

(210100Z APR 2003)

813/03(23,24). SOUTH ATLANTIC.

UNDERWATER CABLE OPERATIONS IN PROGRESS UNTIL FURTHER  
NOTICE BY CABLESHIP LEON THEVENIN IN AREA BETWEEN  
36-47.5S 36-46.7S AND 053-28.1W 053-10.0W.

(210400Z APR 2003)

814/03 thru 817/03. CANCELED.

818/03(36). ENGLAND-SOUTHWEST COAST.

1. FISHING NET ADRIFT VICINITY 49-57.9N 005-28.1W  
AT 210600Z APR.
2. CANCEL HYDROLANT 816/03.
3. CANCEL THIS MSG 28 APR.

(211325Z APR 2003)

819/03. CANCELED.

820/03(GEN). ADRIATIC SEA.

DISTRESS SIGNAL RECEIVED FROM M/V ANDRY, WHITE HULL,  
VICINITY SOUTH ADRIATIC SEA. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT. ASSIST IF POSSIBLE.  
REPORTS TO MRCC ROME, PHONE: 390 6590 84527,  
FAX: 390 6590 84793 OR MRSC BARI, PHONE: 390 8052 05111,  
FAX: 390 8052 11726.

(212154Z APR 2003)

821/03. CANCELED.

822/03(53). SICILIA-NORTH COAST.

CHART 53242 (12TH ED).

CAPO ZAFFERANO LIGHT 38-06.6N 013-32.5E UNLIT.

(221300Z APR 2003)

823/03(53). EASTERN MEDITERRANEAN SEA.

1. UNDERWATER OPERATIONS 240500Z TO 250500Z APR  
IN AREA BETWEEN 36-05.5N 36-25.5N AND  
015-00.0E 015-13.0E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 250600Z APR.

(221305Z APR 2003)

824/03(53). SARDEGNA-NORTHWEST COAST. GUNNERY.

1. GUNNERY EXERCISES 23 THRU 30 APR IN AREA BOUND BY  
40-30-06N 008-20-18E, 40-29-58N 008-20-19E,  
40-29-51N 008-21-12E.
2. CANCEL THIS MSG 01 MAY.

(221415Z APR 2003)

825/03(53). TYRRHENIAN SEA.

UNDERWATER CABLE OPERATIONS 240600Z APR  
UNTIL FURTHER NOTICE BY CABLESHIP PERTINACIA  
VICINITY OF TRACKLINE JOINING  
41-34.3N 012-06.3E, 41-31.0N 011-54.3E,  
41-31.0N 011-43.0E, 41-40.0N 011-11.0E,  
41-37.0N 011-00.0E, 41-40.0N 010-32.0E,  
41-45.0N 010-21.0E.  
WIDE BERTH REQUESTED.

(221550Z APR 2003)

### SECTION III

NM 19/03

826/03(24,57). ATLANTIC OCEAN. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 231820Z TO 232337Z APR, ALTERNATE 241820Z TO 242337Z APR IN AREAS BOUND BY:
  - A. 17-15N 044-00W, 16-24N 044-29W,  
14-52N 041-45W, 14-10N 039-28W,  
14-54N 039-01W, 16-29N 041-34W.
  - B. 08-00S 005-21W, 14-27S 002-39W,  
13-00S 004-00E, 05-39S 003-23W.
2. CANCEL THIS MSG 250037Z APR.

(221745Z APR 2003)

827/03(53). SARDEGNA-EAST COAST. MISSILES. ROCKETS.

1. HAZARDOUS OPERATIONS 0800Z TO 1630Z DAILY:
  - A. 23, 24 AND 28 THRU 30 APR IN AREA BOUND BY  
40-00N 010-00E, 40-00N 010-30E, 39-10N 010-30E,  
39-10N 010-00E, 39-26N 009-38E, 39-38N 009-38E.
  - B. 29 AND 30 APR IN AREA BOUND BY  
40-15N 010-00E, 40-15N 011-31E, 40-11N 011-33E,  
39-32N 011-38E, 38-52N 011-28E, 39-10N 010-00E,  
39-28N 009-38E, 39-43N 009-40E.
2. CANCEL HYDROLANT 653/03.
3. CANCEL THIS MSG 301730Z APR.

(222043Z APR 2003)

828/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 25 APR  
BY M/V CGG ALIZE TOWING EIGHT 6000 METER  
LONG CABLES IN AREA BOUND BY  
01-28S 042-46W, 01-31S 042-38W,  
02-02S 042-51W, 01-57S 042-59W.  
SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 799/03.
3. CANCEL THIS MSG 26 APR.

(222059Z APR 2003)

829/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 262300Z APR  
BY M/V CGG HARMATTAN TOWING SIX 6000 METER  
LONG CABLES IN AREA BOUND BY  
02-32.7S 038-55.5W, 02-49.5S 039-03.7W,  
03-04.0S 038-37.5W, 02-46.0S 038-28.6W.  
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 270001Z APR.

(230410Z APR 2003)

830/03(24). BRAZIL-SOUTHEAST COAST.

1. THREE PERSONS MISSING FROM VESSEL TONA GALEA VICINITY  
ILHA DOS PAPAGAIOS. VESSELS IN VICINITY REQUESTED TO  
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO  
ANY COASTAL RADIO STATION.
2. CANCEL HYDROLANT 806/03.

(230550Z APR 2003)

831/03(24). BRAZIL-EAST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1130Z TO 2000Z DAILY 28 APR  
THRU 09 MAY WITHIN EIGHT MILES OF 05-55S 035-02W.
2. CANCEL THIS MSG 092100Z MAY.

(230610Z APR 2003)

832/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 260259Z APR  
BY M/V RAMFORM VIKING TOWING TEN 4600 METER  
LONG CABLES IN AREA BOUND BY 24-00S 042-24W,  
24-00S 043-02W, 23-45S 043-05W,  
23-45S 042-24W. FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 260359Z APR.

(230645Z APR 2003)

833/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 260400Z APR  
BY M/V TROPICALIENTE TOWING FIVE 6000 METER  
LONG CABLES IN AREA BOUND BY  
03-09.2S 038-52.0W, 03-11.2S 038-50.4W,  
03-07.6S 038-46.1W, 03-05.6S 038-47.8W.  
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 260500Z APR.

(230705Z APR 2003)

834/03 and 835/03. CANCELED.

### SECTION III

836/03(24). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 281100Z TO 281546Z APR, ALTERNATE 291100Z TO 291546Z APR IN AREA BOUND BY 14-43N 035-42W, 12-38N 035-12W, 10-58N 033-15W, 13-06N 036-36W.
2. CANCEL HYDROLANT 835/03(37), SEARCH SUSPENDED.
3. CANCEL THIS MSG 291646Z APR.

(231315Z APR 2003)

837/03(35). SCOTLAND-WEST COAST. MISSILES.

1. HAZARDOUS OPERATIONS 1100Z TO 1800Z DAILY 24 AND 25 APR WITHIN 25 MILES OF 57-30N 008-20W.
2. CANCEL THIS MSG 251900Z APR.

(231450Z APR 2003)

838/03(37). DOVER STRAIT.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY BARGE FETSY L VICINITY 51-03.7N 001-16.4E. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 732/03.

(231620Z APR 2003)

839/03(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0730Z TO 1330Z DAILY 28 AND 29 APR IN AREA BOUND BY 44-43.8N 032-52.2E, 44-34.8N 032-37.4E, 44-39.0N 032-11.5E, 44-48.4N 032-08.2E, 45-00.2N 032-14.2E, 44-52.2N 032-41.6E.
2. CANCEL THIS MSG 291430Z APR.

(240100Z APR 2003)

840/03(24). BRAZIL-EAST COAST.

TWO PERSONS MISSING FROM VESSEL CELSO VICINITY 05-48S 035-02W AT 231500Z APR. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(240505Z APR 2003)

## **SECTION III**

**NM 19/03**

### **NAVAREA XII**

Messages in force 241200Z April 2003:

2001 series 298(GEN)	2002 series 178(GEN)	260(GEN) 339(GEN)	2003 series 78(GEN)	85(19) 104(18)	106(GEN) 107(19)
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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 quarter are issued in NM 13/03.

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

105/03. CANCELED.

106/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 200900Z APR 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 78(GEN), 85(19), 104(18), 105(GEN).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL NAVAREA XII 100/03.

(200920Z APR 2003)

107/03(19). NORTH PACIFIC.

1. ODAS BUOY 46006 ADRIFT VICINITY 40-49N 137-22W AT 202000Z APR.
2. CANCEL THIS MSG 27 APR.

(202207Z APR 2003)

108/03. CANCELED.

## SECTION III

### HYDROPACS

Messages in force 241200Z April 2003:

2000 series	2191(22)	365(63)	545(81,97)	613(93)	677(74)
597(73)	2199(63)	380(71)	547(63)	614(61)	679(63)
1557(94)	2277(GEN)	423(76)	549(63)	620(GEN)	680(29)
2001 series	2330(62)	426(61)	553(94,95)	622(62)	682(94,97)
1556(71)	2339(63)	427(71,74)	554(94,95)	624(GEN)	686(GEN)
1647(GEN)	2402(22)	436(61)	555(95)	629(63)	687(81)
1976(62)	2432(22)	437(61)	556(62)	631(22)	690(91,93)
2002 series	2003 series	445(96)	560(63)	637(GEN)	692(81)
146(62)	3(63)	452(81)	562(81)	638(62)	695(73)
196(61)	74(63)	461(93)	564(61)	640(62)	696(76)
205(GEN)	100(29)	470(61)	565(95)	647(74)	701(96)
206(GEN)	129(63)	487(61)	566(95)	648(74)	703(63)
207(93)	151(63)	491(62)	567(95)	649(71,93)	704(63)
352(73)	167(95)	495(62)	569(62)	652(97)	705(63)
403(72,73)	197(71)	496(62)	570(62)	653(62)	706(63,71)
637(75)	207(62)	497(62)	575(81,92)	660(62)	708(97)
828(62)	215(GEN)	502(GEN)	589(76)	662(74)	709(74)
1661(GEN)	268(62)	506(62)	592(62)	663(61)	
1765(71)	298(63)	514(73)	593(62)	667(62)	
1843(22)	301(75)	515(73)	600(62)	673(81)	
2111(62)	361(63)	525(73,74)	601(81)	676(63)	

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 quarter are issued in NM 13/03.

#### HYDROPAC WARNINGS issued from 171200Z to 241200Z April 2003.

675/03. CANCELED.

676/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 22 AND 25 APR  
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
09-40.0N 076-14.6E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 251630Z APR.

(171345Z APR 2003)

677/03(74). AUSTRALIA-NORTHWEST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V VERITAS SEARCHER TOWING FOUR MILE LONG CABLE  
IN AREA BETWEEN 18-00S 20-00S AND 112-00E 115-00E.

(171445Z APR 2003)

678/03. CANCELED.

679/03(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY  
23 AND 24 APR WITHIN 75 MILES OF  
08-31.9N 076-52.1E.
2. CANCEL HYDROPAC 668/03(73,82).
3. CANCEL THIS MSG 241700Z APR.

(180910Z APR 2003)

680/03(29). ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 17 APR IN:
  - A. A-38A, 22 MILES BY 48 MILES IN 61-00S 052-36W.
  - B. A-38B, 22 MILES BY 25 MILES IN 61-36S 052-06W.
  - C. A-38C, SEVEN MILES BY 11 MILES IN 60-18S 047-36W.
  - D. A-38D, TWO MILES BY TEN MILES IN 62-12S 053-48W.
  - E. A-43A, 14 MILES BY 35 MILES IN 67-24S 058-48W.
  - F. A-43C, 24 MILES BY 41 MILES IN 59-12S 036-24W.
  - G. A-43E, TEN MILES BY 14 MILES IN 68-24S 060-06W.
  - H. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
  - I. A-43J, FIVE MILES BY 17 MILES IN 67-36S 060-30W.
  - J. A-48, NINE MILES BY TEN MILES IN 62-24S 053-36W.
  - K. A-49, ONE MILE BY TEN MILES IN 63-06S 052-00W.
  - L. A-50, ONE MILE BY TEN MILES IN 63-30S 053-06W.
  - M. A-51, TWO MILES BY 14 MILES IN 67-18S 060-30W.
  - N. A-52, EIGHT MILES BY 22 MILES IN 65-42S 060-30W.
2. CANCEL HYDROPAC 650/03.
3. CANCEL THIS MSG 25 APR.

(181802Z APR 2003)

## SECTION III

681/03. CANCELED.

682/03(94.97). EAST CHINA SEA.

1. DEREPLIC VESSEL, BLUE HULL, CAPSIZED AND  
ADRIFT IN 27-42N 125-43E AT 190313Z APR.
2. CANCEL THIS MSG 26 APR.

(190820Z APR 2003)

683/03 thru 685/03. CANCELED.

686/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 200900Z APR 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 423(76), 426(61), 427(71,74), 436(61), 437(61), 445(96), 452(81), 461(93), 470(61), 487(61), 491(62), 495(62), 496(62), 497(62), 502(GEN), 506(62), 514(73), 515(73), 525(73,74), 545(81,97), 547(63), 549(63), 553(94,95), 554(94,95), 555(95), 556(62), 560(63), 562(81), 564(61), 565(95), 566(95), 567(95), 569(62), 570(62), 575(81,92), 589(76), 592(62), 593(62), 600(62), 601(81), 609(62), 613(93), 614(61), 620(GEN), 622(62), 624(GEN), 629(63), 631(22), 637(GEN), 638(62), 640(62), 647(74), 648(74), 649(71,93), 652(97), 653(62), 655(63), 660(62), 662(74), 663(61), 667(62), 673(81), 675(GEN), 676(63), 677(74), 679(63), 680(29), 681(97), 682(94,97), 684(62), 685(GEN).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL HYDROPAC 1636/01, 375/03, 379/03, 386/03,  
387/03, 407/03, 411/03, 418/03, 651/03.

(200925Z APR 2003)

687/03(81). NORTH PACIFIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 2300Z TO 0700Z COMMENCING DAILY:  
A. 23 APR WITHIN 20 MILES OF 13-40N 146-28E.  
B. 24 APR WITHIN 20 MILES OF 13-40N 146-32E.  
C. 25 APR WITHIN 20 MILES OF 14-00N 147-58E.  
D. 26 APR WITHIN 20 MILES OF 14-00N 148-02E.
2. CANCEL THIS MSG 270800Z APR.

(201010Z APR 2003)

688/03 and 689/03. CANCELED.

690/03(91,93). SOUTH CHINA SEA.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN  
16-12.8N 120-20.5E AND 13-45.2N 109-35.7E. 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.

(201740Z APR 2003)

691/03. CANCELED.

692/03(81). NORTH PACIFIC. MARIANA ISLANDS. ORDNANCE.

1. BOMBING EXERCISES 211401Z TO 241359Z APR  
WITHIN TEN MILES OF 16-01N 146-04E.
2. CANCEL THIS MSG 241459Z APR.

(210545Z APR 2003)

693/03 and 694/03. CANCELED.

695/03(73). PAPUA NEW GUINEA-SOUTHEAST COAST.

FOUR METER VESSEL, ONE PERSON ON BOARD, OVERDUE  
PONGANI VILLAGE (09-03S 148-34E) TO ORO BAY (08-53S 148-30E).  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST  
IF POSSIBLE. REPORTS TO MRCC PORT MORESBY, PHONE: 675 321 4994  
OR RCC AUSTRALIA, TELEX: 7162025, PHONE: 612 6230 6811,  
FAX: 612 6230 6868.

(220545Z APR 2003)

696/03(76). SOUTH PACIFIC.

32 METER F/V LI FA UNREPORTED. LAST KNOWN POSITION  
38-12S 164-49E ON 17 APR. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO MARITIME OPERATIONS NEW ZEALAND,  
INMARSAT-C: 4512 00067, PHONE: 644 914 5663,  
FAX: 644 914 5520 OR TAUPO MARITIME RADIO.

(220630Z APR 2003)

### SECTION III

NM 19/03

697/03 thru 700/03. CANCELED.

701/03(96). SEA OF OKHOTSK. MISSILES.

1. HAZARDOUS OPERATIONS 2030Z TO 0230Z COMMENCING DAILY 28 AND 29 APR IN AREA BOUND BY 52-30N 159-29E,  
52-38N 159-29E, 52-38N 159-42E, 52-04N 160-34E,  
51-56N 160-21E.
2. CANCEL THIS MSG 300330Z APR.

(230953Z APR 2003)

702/03. CANCELED.

703/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY 28 AND 29 APR 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 291330Z APR.

(231330Z APR 2003)

704/03(63). INDIA-WEST COAST.

CHART 63100 (2ND ED).  
DGPS STATION AT RATNAGIRI LIGHT 16-59.2N 073-16.4E OFF AIR.

(231345Z APR 2003)

705/03(63). INDIA-SOUTHWEST COAST.

CHART 63200 (5TH ED).  
AZHIKOD DGPS STATION 10-11.9N 076-09.5E OFF AIR.

(231405Z APR 2003)

706/03(63,71). INDIAN OCEAN.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ, VICINITY  
07-39S 092-53E AT 232124Z APR. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO RCC AUSTRALIA, TELEX: 7162025,  
PHONE: 612 623 06811, FAX: 612 623 06868.

(232225Z APR 2003)

707/03. CANCELED.

708/03(97). NORTH PACIFIC. MISSILES.

1. HAZARDOUS OPERATIONS 282215Z TO 282315Z APR,  
ALTERNATE 292215Z TO 292315Z APR IN AREA BETWEEN  
30-30N 33-30N AND 152-00E 156-00E.
2. CANCEL THIS MSG 300015Z APR.

(240832Z APR 2003)

709/03(74). AUSTRALIA-NORTHWEST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V VERITAS SEARCHER TOWING THREE MILE LONG CABLE  
IN AREA BETWEEN 15-30S 16-30S AND 120-30E 121-30E.  
FIVE MILE BERTH REQUESTED.

(240919Z APR 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 April 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

## SECTION III

### 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 April 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 SAILING DIRECTIONS**

Pub. 125, Sailing Directions (Enroute) West Coast of South America, Seventh Edition, 2003, is ready for issue. This publication has been corrected to 22 February 2003, including Notice to Mariners No. 8 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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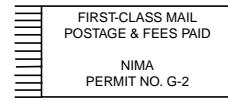
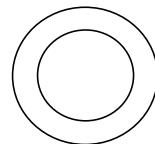
www.nature.com/scientificreports/

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"): \_\_\_\_\_

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

Verified by Navigator: Yes No

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

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

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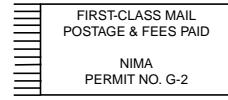
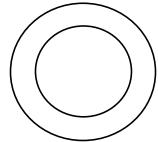
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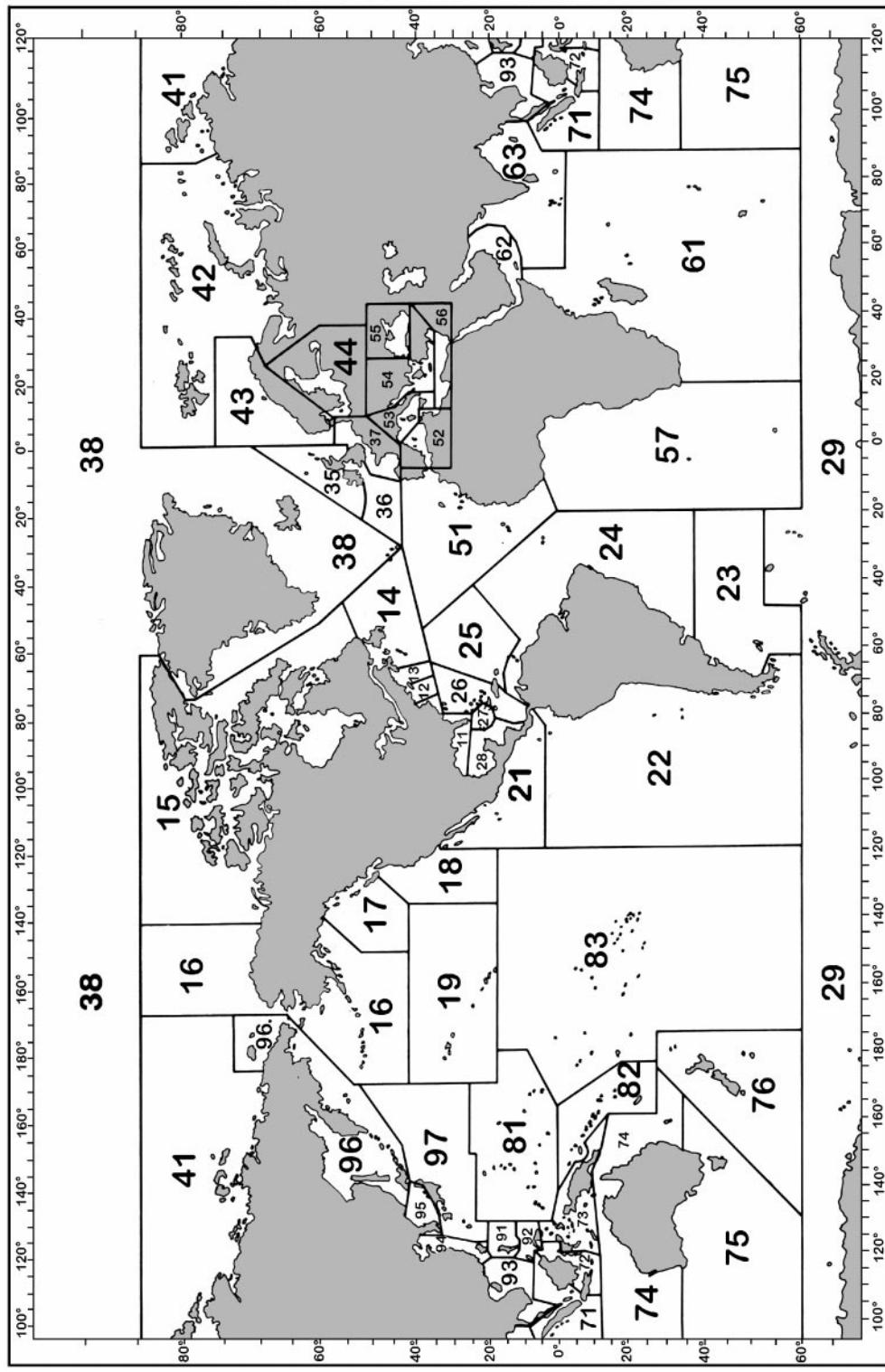
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# GEOGRAPHIC LOCATOR



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

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

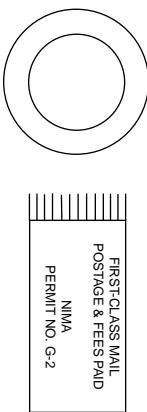
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT  
NAVIGATIONAL INFORMATION  
TIME-DATED**



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**