



No. 13

29 MARCH 2003



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Imagery and Mapping Agency

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

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



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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) 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, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nima.mil.

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

Observer	Ship/Organization
LT Scott Stoermer	COMINTICEPAT

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

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 13/03

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

29 March 2003

NEW EDITION OF SUMMARY OF CORRECTIONS

SUMMARY OF CORRECTIONS FOR THE EASTERN ATLANTIC AND ARCTIC OCEANS, INCLUDING THE MEDITERRANEAN SEA (REGIONS 3, 4 AND 5), VOLUME 2, 2003 EDITION, IS READY FOR ISSUE. THIS EDITION IS PRODUCED BY NIMA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

QUARTERLY SUMMARY OF INFORMATION OF INTEREST TO NAVIGATORS

NAVAREAS, HYDROPACS AND HYDROLANTS-SEE SECTION III.

EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

★ indicates that it is based upon original U.S. source information.

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.

The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter N is not a part of the chart number.

The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.

Courses and bearings are given in degrees true.

Light sectors are expressed in degrees true from the vessel TOWARD the light.

The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.

The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.

Section I-2* contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.

Section I-3 lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

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

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

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

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

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

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

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

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

**SECTION I
CHART CORRECTIONS**

NM 13/03

<p>1114A Ed. 11/17/01 LAST NM 12/03 13/03 Add Danger circle [K46.2] "Obstn (Fish haven) (auth min 4 1/4 fms)" 27°43.4'N 82°58.5'W (NOS)</p> <p>11013 44Ed. 1/19/02 LAST NM 9/03 13/03 Delete Light 22°02.7'N 80°53.5'W Add Light Fl 10M 22°03.9'N 81°02.4'W (12(96)02 Habana; Cuba LL)</p> <p>11400 34Ed. 11/17/01 LAST NM 12/03 13/03 Add Danger circle [K46.2] "Obstn (Fish haven) (auth min 4 1/4 fms)" 27°43.4'N 82°58.5'W (NOS)</p> <p>★11412 41Ed. 8/02 LAST NM 12/03 13/03 Add Obstruction "(Fish Haven) (auth min 26ft)" [K46.2] bound by dotted line joining 27°43'30"N 82°58'38"W 27°43'30"N 82°58'23"W 27°43'15"N 82°58'23"W 27°43'15"N 82°58'38"W (NOS)</p> <p>11460 38Ed. 6/02 LAST NM 6/03 13/03 Delete Buoy 26°04'10"N 80°04'37"W Buoy 26°01'58"N 80°05'31"W (3/03 CG7)</p> <p>★11475 16Ed. 2/26/00 LAST NM 51/02 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>★11481 4Ed. 8/02 LAST NM 6/03 13/03 Delete Depth 36 feet 28°24'38"N 80°35'21"W (See 6/03-11481) Relocate Buoy "2" from 28°22'56"N 80°25'33"W to 28°22'51"N 80°25'27"W (NOS; 4/03 CG7)</p> <p>★11485 32Ed. 8/25/01 LAST NM 34/02 13/03 Change Light to F Fl 30s 161ft 19M (Priv) 29°53'07"N 81°17'19"W (5/03 CG7) (Side A)</p> <p>★11524 46Ed. 12/02 LAST NM 12/03 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>11534 31Ed. 9/29/01 LAST NM 7/03 13/03 Substitute Buoy "2" R, nun for beacon "2" 33°54'55"N 78°01'11"W (8/03 CG5) (Side A)</p> <p>★11537 33Ed. 12/1/01 LAST NM 10/03 13/03 Substitute Buoy "2" R, nun for beacon "2" 33°54'55"N 78°01'11"W (8/03 CG5)</p> <p>★12222 42Ed. 2/2/02 LAST NM 11/03 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>12245 60Ed. 1/26/02 LAST NM 11/03 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>★12253 42Ed. 1/5/02 LAST NM 10/03 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p>	<p>★12272 29Ed. 4/20/02 LAST NM 45/02 13/03 Delete Light "41" 39°11'56"N 76°04'02"W Relocate Light "34" from 39°10'08"N 76°02'12"W to 39°10'06"N 76°02'11"W and change height to 15ft Light "39" from 39°11'03"N 76°04'01"W to 39°11'00"N 76°03'59"W and change height to 15ft Add Light "41" Fl G 4s 15ft 4M 39°11'54"N 76°04'05"W (8/03 CG5)</p> <p>★12327 96Ed. 11/02 LAST NM 12/03 13/03 Add Tabulations (2) of controlling depths from Subsection I-2 (NOS)</p> <p>★12331 30Ed. 12/02 LAST NM 8/03 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>★12332 21Ed. 1/20/01 LAST NM 46/02 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>★12337 22Ed. 11/15/97 LAST NM 45/02 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>★12371 22Ed. 7/25/92 LAST NM 6/03 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>★12378 14Ed. 1/13/01 LAST NM 2/03 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS) (Left Panel)</p> <p>12401 7Ed. 5/1/02 LAST NM 2/03 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>12402 8Ed. 5/1/02 LAST NM 47/02 13/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p>13212 35Ed. 12/02 LAST NM 9/03 13/03 Change Contour label to "150" 41°12'50"N 72°00'31"W Contour label to "180" 41°12'51"N 72°00'28"W (NTM0002/2003)</p> <p>16003 16Ed. 1/12/02 LAST NM 18/02 13/03 Substitute Depth 1/4 fathom Obstn [K41] for platform 70°23.2'N 147°53.5'W (6/03 CG17)</p> <p>16004 11Ed. 5/16/98 LAST NM 9/02 13/03 Substitute Depth 1/4 fathom Obstn [K41] for island, centered 70°23.2'N 147°53.5'W (6/03 CG17)</p> <p>★16061 8Ed. 1/26/02 LAST NM 49/02 13/03 Delete Solid-line circle, land tint and legend "Artificial...(Priv)" 70°23'10"N 147°53'40"W Add Depth 2 feet Obstn [K41] 70°23'11"N 147°53'30"W (6/03 CG17)</p>
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★16702 10Ed. 6/13/98 LAST NM 9/03 13/03
 Relocate Light from 59°59'07.0"N 148°07'27.5"W to
 59°59'06.3"N 148°07'28.5"W
 Note: Obscured sector unchanged
 (6/03 CG17)

17320 15Ed. 3/6/99 LAST NM 15/02 13/03
 Relocate Light "21" from 57°27.5'N 135°32.4'W to
 57°27.4'N 135°32.3'W

Substitute Depth 1 ¼ fathoms for 1 ½ fathoms 57°24.1'N 135°38.2'W
 (NOS; 6/03 CG17)

★17323 10Ed. 7/10/93 LAST NM 49/01 13/03
 Relocate Light "21" from 57°27'26"N 135°32'23"W to
 57°27'27"N 135°32'20"W
 Note: Obscured sector unchanged

Substitute Depth 1 fathom 1 foot for 1 fathom 4 feet
 57°24'06"N 135°38'14"W
 Depth 1 fathom 1 foot for 2 fathoms
 57°23'48"N 135°39'39"W

Add Depth 5 fathoms 3 feet 57°22'05"N 135°42'19"W
 Depth 3 fathoms 4 feet 57°22'19"N 135°43'54"W

(Inset Sergius...Strait)

Substitute Depth 4 fathoms 2 feet for 5 fathoms 2 feet
 57°24'09.2"N 135°37'20.9"W
 Depth 4 fathoms 5 feet for 5 fathoms 2 feet
 57°24'10.9"N 135°37'26.0"W
 Depth 1 fathom 1 foot for 1 fathom 4 feet
 57°24'05.8"N 135°38'14.2"W

Add Depth 5 fathoms 4 feet 57°24'07.2"N 135°37'05.6"W
 (NOS; 6/03 CG17)

18005 4Ed. 9/20/97 LAST NM N10/03 N13/03
 Relocate Superbuoy ODAS "46042" from
 36°45.2'N 122°25.3'W to 36°43.3'N 122°24.3'W
 (3/03 CG11)

18009 2Ed. 8/12/95 LAST NM N6/03 N13/03
 Relocate Superbuoy ODAS "46042" from
 36°45.2'N 122°25.3'W to 36°43.3'N 122°24.3'W
 (3/03 CG11)

18010 20Ed. 2/10/01 LAST NM 6/03 13/03
 Relocate Superbuoy ODAS "46042" from
 36°45.2'N 122°25.3'W to 36°43.3'N 122°24.3'W
 (3/03 CG11)

18020 36Ed. 1/27/01 LAST NM 10/03 13/03
 Relocate Superbuoy ODAS "46042" from
 36°45.2'N 122°25.3'W to 36°43.3'N 122°24.3'W
 (3/03 CG11)

18022 33Ed. 1/26/02 LAST NM 10/03 13/03
 Relocate Superbuoy ODAS "46042" from
 36°45.2'N 122°25.3'W to 36°43.3'N 122°24.3'W
 (3/03 CG11)

★18680 30Ed. 3/3/01 LAST NM 6/03 13/03
 Relocate Superbuoy ODAS "46042" from
 36°45.2'N 122°25.3'W to 36°43.3'N 122°24.3'W
 (3/03 CG11)

★18700 21Ed. 7/29/00 LAST NM 10/03 13/03
 Relocate Superbuoy ODAS "46028" from
 35°43.5'N 121°53.1'W to 35°44.0'N 121°53.3'W
 (3/03 CG11)

18746 34Ed. 12/1/01 LAST NM 5/03 13/03
 Delete Buoy (mooring) "CG" 33°21'02"N 118°19'27"W
 Note: Buoy (mooring) close east remains
 (3/03 CG11)

★18757 10Ed. 6/13/92 LAST NM 52/00 13/03
 Delete Buoy (mooring) "CG" 33°21'02"N 118°19'27"W
 Note: Buoy (mooring) close east remains

(Inset Avalon Bay)

Delete Buoy (mooring) "CG" 33°21'01.4"N 118°19'26.5"W
 (3/03 CG11)

★18773 38Ed. 7/28/01 LAST NM 12/03 13/03
 Relocate Buoy "F" from 32°43'20.2"N 117°10'52.9"W
 to 32°43'18.2"N 117°10'52.9"W
 (3/03 CG11)

19339 1Ed. 7/19/97 LAST NM N5/03 N13/03
 Relocate Buoy from 21°25.0'N 157°40.6'W to
 21°25.0'N 157°40.0'W
 and add designation "098"

Buoy from 21°42.5'N 158°07.1'W to
 21°40.4'N 158°06.9'W
 and add designation "106"
 (See N5/03-19339)
 (6/03 CG14)

19340 26Ed. 12/2/00 LAST NM 5/03 13/03
 Relocate Buoy from 21°25.0'N 157°40.6'W to
 21°25.0'N 157°40.0'W
 and add designation "098"

Buoy from 21°42.5'N 158°07.1'W to
 21°40.4'N 158°06.9'W
 and add designation "106"
 (See 5/03-19340)
 (6/03 CG14)

★19357 22Ed. 8/02 LAST NM 5/03 13/03
 Relocate Buoy from 21°25'00"N 157°40'39"W to
 21°25'00"N 157°40'00"W
 and add designation "098"

Buoy from 21°42'30"N 158°07'03"W to
 21°40'22"N 158°06'57"W
 and add designation "106"
 (See 5/03-19357)
 (6/03 CG14)

19379 1Ed. 8/16/97 LAST NM N5/03 N13/03
 Relocate Buoy from 21°42.5'N 158°07.1'W to
 21°40.4'N 158°06.9'W
 and add designation "106"
 (See N5/03-19379)
 (6/03 CG14)

19380 14Ed. 3/29/97 LAST NM 5/03 13/03
 Relocate Buoy from 21°42.5'N 158°07.1'W to
 21°40.4'N 158°06.9'W
 and add designation "106"
 (See 5/03-19380)
 (6/03 CG14)

21021 3Ed. 2/7/98 LAST NM 45/02 13/03
 (Plan)
 Add Chartlet A, depicting changes in hydrography,
 topography and aids to navigation, from
 Subsection I-2 31°50'45.0"N 116°38'36.0"W
 Chartlet B, depicting changes in hydrography,
 topography and aids to navigation, from
 Subsection I-2 31°50'45.0"N 116°37'12.0"W
 Note: Replaces Plan
 (Mex CH S.M. 116)

22082 4Ed. 4/13/96 LAST NM 19/02 13/03
 Delete Buoy "12" 1°49'12.4"N 78°43'27.4"W
 (See 17/02-22082)

Add Buoy "12" R, pillar, Fl R 5s 1°50'20.8"N 78°43'23.3"W
 (70/02 Bogota)

22233 29Ed. 4/27/96 LAST NM 48/00 13/03
 Delete Wreck 20°11'38.0"S 70°09'02.1"W

Add Wreck [K29] 20°11'35.0"S 70°09'01.0"W
 (7(103)02 Valparaiso)

SECTION I

NM 13/03

22264	2Ed. 9/21/96	LAST NM 42/02	13/03
Delete	Anchorage symbol	32°55'00"S 71°32'11"W	
Add	Submarine pipeline (sewer) [L41.1] between	32°55'10"S 71°30'50"W 32°54'32"S 71°32'03"W	
	Submarine pipeline (sewer) [L41.1] between	32°55'39"S 71°32'29"W 32°55'06"S 71°32'38"W	
	"ANCHORING PROHIBITED" area [N20] bound by shore, submarine pipelines and purple composite line between	32°54'32"S 71°32'03"W 32°55'06"S 71°32'38"W	
	(7104)02 Valparaiso)		
22312	2Ed. 9/3/77	LAST NM 23/01	13/03
Add	Submarine pipeline [L40.1] between	36°56'20"S 73°09'40"W 36°56'17"S 73°10'05"W	
	Range beacon	36°56'24"S 73°09'35"W	
	Range line extending in 259° direction from above beacon dashed for 0.2 mile, thence solid for 1.3 miles		
	Legend "Bns in line 079°" along above range line	36°56'30"S 73°10'39"W	
	Range beacon	36°56'49"S 73°09'42"W	
	Range line extending in 317° direction from above beacon dashed for 0.2 mile, thence solid for 1.3 miles		
	Legend "Bns in line 137°" along above range line	36°56'18"S 73°10'12"W	
	Legend "OXIQUIM MARITIME TERMINAL"	36°56'36"S 73°09'24"W	
	Buoy (mooring) [Q40] with legend "Mooring buoys"	36°57'00"S 73°09'54"W	
	(8123)02 Valparaiso)		
22377	1Ed. 8/29/86	LAST NM N10/03	N13/03
Delete	Legend "Ver Carta 807"	45°45.0'S 74°23.3'W	
	(7107)02 Valparaiso)		
23153	8Ed. 12/14/96	LAST NM 12/03	13/03
Change	Characteristic of range light, front to FG	51°41'45.0"S 57°49'53.3"W	
	Characteristic of range light, rear to FG	51°41'48.5"S 57°49'54.0"W	
	(Plan)		
Change	Characteristic of range light, front to FG	51°41'44.5"S 57°49'53.3"W	
	Characteristic of range light, rear to FG	51°41'48.5"S 57°49'54.0"W	
	(8958)03 Taunton)		
24469	1Ed. 8/22/87	LAST NM 47/02	13/03
Delete	Position circle and legend "SS (Weather)"	12°16'37"N 71°58'05"W	
	(See 50/97-24469)		
	(Plan)		
Delete	Position circle and legend "SS (Weather)"	12°16'37.2"N 71°58'05.9"W	
	(73/02 Bogota)		
25668	18Ed. 1/12/02	LAST NM 48/02	13/03
Change	Range light, front to Q 23ft, Q 25ft 5M	18°27'25"N 66°07'42"W	
	Range light, rear to Oc 4s 56ft, Fl 2.5s 15ft 5M	18°27'18"N 66°07'42"W	
	(See 48/02-25668)		
	(2/03 CG7)		
★25670	41Ed. 4/13/02	LAST NM 5/03	13/03
Change	Range light, front to Q 23ft, Q 25ft 5M	18°27'25.5"N 66°07'42.4"W	
	Range light, rear to Oc 4s 56ft, Fl 2.5s 15ft 5M	18°27'18.3"N 66°07'42.5"W	
	(See 48/02-25670)		
	(2/03 CG7)		
25848	25Ed. 5/13/95	LAST NM 5/03	13/03
Delete	Legend "Lights in line 349°50"	18°24'35.0"N 70°01'00.0"W	
Add	Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection 1-2	18°25'00.0"N 70°01'00.0"W	
	(505342)02 Taunton)		
26122	29Ed. 4/1/95	LAST NM 46/01	13/03
	(Plan A)		
Delete	Period from buoy	18°28'21.5"N 77°24'28.7"W	
	Period from buoy	18°28'22.2"N 77°24'24.0"W	
	(8960)03 Taunton)		
27084	4Ed. 12/3/94	LAST NM 30/01	13/03
Add	Buoy RW, pillar, ball topmark, L Fl 10s [Q130.5]	23°05.4'N 82°30.6'W	
	(644)02 Habana)		
27160	2Ed. 12/2/95	LAST NM 8/03	13/03
Change	Height of light to 20m	22°03.9'N 81°02.3'W	
	(1296)02 Habana)		
27161	4Ed. 7/15/95	LAST NM 8/03	13/03
Add	Height 20m to light	22°03'54"N 81°02'18"W	
	(1296)02 Habana)		
35299	9Ed. 8/16/97	LAST NM 12/02	13/03
Add	Buoy Y, pillar, "X" topmark, Fl(5) Y 20s [Q130.6]	55°31.4'N 4°25.4'W	
	(414322)02 Taunton)		
36102	6Ed. 4/18/98	LAST NM 33/00	13/03
	(Plan A)		
Delete	Buoy (mooring) "No 2" and ground tackle in vicinity	55°35'10.8"N 5°08'16.0"W	
	(494856)01 Taunton)		
36103	9Ed. 4/3/99	LAST NM 35/00	13/03
Delete	Buoy (mooring) "No 2"	55°35'11"N 5°08'16"W	
Add	Buoy Y, pillar, "X" topmark, Fl(5) Y 20s [Q130.6]	55°31'48"N 4°25'48"W	
	(494856)01, 41(4322)02 Taunton)		
36104	6Ed. 5/31/97	LAST NM 25/00	13/03
Delete	Buoy (mooring) "No 2"	55°35'10.8"N 5°08'16.0"W	
	Depth 15.9 meters	55°30'32.0"N 4°42'40.0"W	
	Depth 15.2 meters	55°30'24.0"N 4°42'30.0"W	
Add	Depth 14.4 meters enclosed by depth contour (20-meter)	55°30'30.0"N 4°42'36.0"W	
	Depth 14.2 meters enclosed by depth contour (20-meter)	55°30'24.0"N 4°42'24.0"W	
	(494856)01, 5(413)02 Taunton)		
36106	7Ed. 5/2/98	LAST NM 5/03	13/03
Add	Buoy Y, pillar, "X" topmark, Fl(5) Y 20s [Q130.6]	55°31'48"N 4°25'48"W	
	(414322)02 Taunton)		
37005	16Ed. 8/2/97	LAST NM 12/03	13/03
Add	Foul ground symbol [K31]	53°58.0'N 7°04.8'E	
	Depth 21.6 meters Foul	53°51.8'N 7°06.9'E	
	(4187)02 Hamburg)		

37010 23Ed. 9/7/96 LAST NM 12/03 13/03
 Add Foul ground symbol [K31] 53°58.0'N 7°04.8'E
 Depth 21.6 meters Foul 53°51.8'N 7°06.9'E
 (41(87)02 Hamburg)

37060 3Ed. 8/16/97 LAST NM 9/03 13/03
 Delete Wreck (PD) 49°32.3'N 3°17.0'W
 Wreck (PD) 49°31.0'N 3°17.0'W
 Wreck (PD) 49°31.0'N 3°13.5'W
 Depth 70 meters Wk 49°32.0'N 3°09.8'W
 Depth 73 meters 49°28.0'N 3°13.1'W

Add Depth 60 meters Wk 49°30.4'N 3°18.0'W
 Depth 60 meters Wk 49°30.4'N 3°16.1'W
 Depth 56 meters Wk 49°32.1'N 3°08.5'W
 Depth 62 meters Wk 49°32.1'N 2°59.0'W
 Depth 63 meters 49°32.2'N 3°19.1'W
 Depth 61 meters 49°33.0'N 3°16.6'W
 Depth 65 meters 49°30.5'N 3°20.0'W
 Depth 59 meters 49°32.5'N 3°13.5'W
 Depth 58 meters 49°31.0'N 3°14.7'W
 Depth 73 meters 49°30.1'N 3°12.1'W
 Depth 64 meters 49°31.1'N 3°10.6'W
 Depth 58 meters 49°33.0'N 3°10.7'W
 Depth 66 meters 49°30.1'N 3°08.6'W
 Depth 53 meters 49°32.2'N 3°06.2'W
 Depth 67 meters 49°30.6'N 3°04.3'W
 Depth 69 meters 49°32.5'N 3°03.3'W
 Depth 64 meters 49°32.0'N 3°00.0'W
 Depth 69 meters 49°30.3'N 3°01.2'W
 Depth 58 meters 49°27.7'N 3°14.7'W
 (41(4309)02 Taunton)

37089 12Ed. 8/17/91 LAST NM 4/03 13/03
 Delete Chimney symbol 50°50'00"N 0°15'30"W
 (49(4860)01 Taunton)

37165 2Ed. 2/3/96 LAST NM 12/03 13/03
 Add Foul ground symbol [K31] 53°58.0'N 7°04.8'E
 Depth 21.6 meters Foul 53°51.8'N 7°06.9'E
 (41(87)02 Hamburg)

37221 13Ed. 2/3/96 LAST NM 12/03 13/03
 Relocate Buoy "Accumer Ee" from 53°46.7'N 7°25.0'E 53°46.4'N 7°21.2'E
 to 53°46.4'N 7°21.2'E

Add Foul ground symbol [K31] 53°58.0'N 7°04.8'E
 Depth 21.6 meters Foul 53°51.8'N 7°06.9'E
 (41(87)02 Hamburg)

37330 2Ed. 7/12/97 LAST NM 9/03 13/03
 Delete Wreck (PD) 49°32.3'N 3°17.0'W
 Wreck (PD) 49°31.0'N 3°17.0'W
 Wreck (PD) 49°31.0'N 3°13.5'W
 Depth 70 meters Wk 49°32.0'N 3°09.8'W
 Depth 73 meters 49°28.0'N 3°13.1'W

Add Depth 60 meters Wk 49°30.4'N 3°18.0'W
 Depth 60 meters Wk 49°30.4'N 3°16.1'W
 Depth 56 meters Wk 49°32.1'N 3°08.5'W
 Depth 62 meters Wk 49°32.1'N 2°59.0'W
 Depth 63 meters 49°32.2'N 3°19.1'W
 Depth 61 meters 49°33.0'N 3°16.6'W
 Depth 65 meters 49°30.5'N 3°20.0'W
 Depth 59 meters 49°32.5'N 3°13.5'W
 Depth 58 meters 49°31.0'N 3°14.7'W
 Depth 73 meters 49°30.1'N 3°12.1'W
 Depth 64 meters 49°31.1'N 3°10.6'W
 Depth 58 meters 49°33.0'N 3°10.7'W
 Depth 66 meters 49°30.1'N 3°08.6'W
 Depth 53 meters 49°32.2'N 3°06.2'W
 Depth 67 meters 49°30.6'N 3°04.3'W
 Depth 69 meters 49°32.5'N 3°03.3'W
 Depth 64 meters 49°32.0'N 3°00.0'W
 Depth 69 meters 49°30.3'N 3°01.2'W
 Depth 58 meters 49°27.7'N 3°14.7'W
 (41(4309)02 Taunton)

37401 9Ed. 1/31/98 LAST NM 6/03 13/03
 Substitute Beacon Fl(3) WG 12s 8m 8/5M with sectors 46°08'16.0"N 1°10'45.5"W
 white 059°-213°, green 313°-059°
 (13(29)00 Brest; BA LL)

37402 7Ed. 11/1/97 LAST NM 4/03 13/03
 Substitute Beacon Fl(3) WG 12s 8m 8/5M with sectors 46°08'16.0"N 1°10'45.5"W
 white 059°-213°, green 313°-059°
 (13(29)00 Brest; BA LL)

43030 24Ed. 4/5/97 LAST NM 12/03 13/03
 Add Foul ground symbol [K31] 54°02.9'N 10°48.1'E
 Swept depth 6.9 meters Wk [K27] 54°23.9'N 11°17.0'E
 Swept depth 22.8 meters Wk [K27] 54°43.5'N 13°07.1'E
 Swept depth 2.5 meters Obstn [K42] 54°35.0'N 13°05.8'E
 Foul ground symbol [K31] 53°58.0'N 7°04.8'E
 Depth 21.6 meters Foul 53°51.8'N 7°06.9'E
 (23(31, 35, 64, 1621), 41(87)02 Hamburg)

43360 21Ed. 1/4/97 LAST NM 10/03 13/03
 Delete HORN from light 57°51.8'N 11°27.2'E

Add Light Fl(3) WRG 9s 8-5M 57°20.2'N 11°57.7'E
 (44(816)01, 43(589)02 Norrkoping)

43384 1Ed. 9/14/91 LAST NM 12/03 13/03
 Change Visibility (range) of range light, rear to 10M 58°21'52"N 11°21'34"E
 (Swd LL)

43385 1Ed. 8/22/92 LAST NM 11/03 13/03
 Delete HORN from light "Hatteberget" 57°51'48"N 11°27'30"E
 (44(816)01 Norrkoping)

44001 2Ed. 10/19/96 LAST NM 11/03 13/03
 Change Visibility (range) of light to 10-6M 57°49.5'N 19°07.0'E
 (Swd LL)

44015 8Ed. 7/22/95 LAST NM 11/03 13/03
 Change Visibility (range) of light to 10-6M 57°49.5'N 19°07.0'E
 (Swd LL)

44030 7Ed. 6/14/97 LAST NM 9/03 13/03
 Change Light to Fl 9M Racon 60°37.7'N 18°21.6'E
 Visibility (range) of light to 8-5M 64°38.8'N 21°16.7'E
 Light to Fl(3) WRG 9s 9-6M 64°10.0'N 21°08.0'E
 (37(996)99 Norrkoping; Swd LL; BA LL)

44036 5Ed. 8/31/96 LAST NM 28/02 13/03
 Delete HORN from light "Hatteberget" 57°51'48"N 11°27'30"E
 (44(816)01 Norrkoping)

44040 23Ed. 7/20/96 LAST NM 10/03 13/03
 Delete HORN from light "Hatteberget" 57°51.8'N 11°27.5'E
 HORN from light 57°14.4'N 12°06.0'E

Add Light Fl(3) WRG 9s 10m 8-5M 57°20.2'N 11°57.7'E
 (44(816)01, 43(589)02 Norrkoping; Swd LL)

44041 7Ed. 4/3/93 LAST NM 10/03 13/03
 Delete HORN from light "Hatteberget" 57°51'48"N 11°27'30"E
 (44(816)01 Norrkoping)

44043 8Ed. 11/30/96 LAST NM 11/03 13/03
 Add Light Fl(3) WRG 9s 10m 8-5M 57°20'09"N 11°57'43"E
 (43(589)02 Norrkoping)

44044 6Ed. 11/9/96 LAST NM 10/03 13/03
 Delete HORN from light 57°14.5'N 12°05.9'E

Add Light Fl(3) WRG 9s 10m 8-5M 57°20.2'N 11°57.7'E
 (43(589)02 Norrkoping; Swd LL)

44068 11Ed. 5/18/96 LAST NM 11/03 13/03
 Add Swept depth 22.8 meters Wk [K27] 54°43.5'N 13°07.1'E
 Swept depth 2.5 meters Obstn [K42] 54°35.0'N 13°05.8'E
 (23(64, 1621)02 Hamburg)

SECTION I

NM 13/03

- 44069** 16Ed. 3/15/97 LAST NM 11/03 13/03
Add Foul ground symbol [K31] 54°02.9'N 10°48.1'E
Swept depth 6.9 meters Wk [K27] 54°23.9'N 11°17.0'E
(23(31, 35)02 Hamburg)
- 44075** 4Ed. 4/25/98 LAST NM 42/02 13/03
Add Foul ground symbol [K31] 54°02'56"N 10°48'04"E
(23(35)02 Hamburg)
- 44081** 9Ed. 3/16/96 LAST NM 9/03 13/03
Add Swept depth 22.8 meters Wk [K27] 54°43'28"N 13°07'05"E
Swept depth 2.5 meters Obstn [K42] 54°34'58"N 13°05'46"E
(23(64, 1621)02 Hamburg)
- 44100** 7Ed. 3/9/96 LAST NM 12/03 13/03
Add Swept depth 22.8 meters Wk [K27] 54°43.5'N 13°07.1'E
Swept depth 2.5 meters Obstn [K42] 54°35.0'N 13°05.8'E
(23(64, 1621)02 Hamburg)
- 44160** 7Ed. 4/5/97 LAST NM 11/03 13/03
Change Light to QR, Oc R 5s 10M 56°57.6'N 16°52.8'E
(Swd LL)
- 44181** 5Ed. 4/6/96 LAST NM 10/03 13/03
Add Submarine cable [L30.1] joining
59°14'26.4"N 18°19'31.8"E
59°14'33.6"N 18°19'43.8"E
59°13'39.6"N 18°23'37.8"E
59°13'41.4"N 18°24'00.0"E
59°13'02.4"N 18°25'37.8"E
59°13'02.4"N 18°26'01.8"E
59°12'53.4"N 18°26'21.0"E
59°12'54.6"N 18°26'59.4"E
59°12'40.8"N 18°28'57.6"E
59°12'23.4"N 18°29'55.8"E
59°12'08.4"N 18°31'33.0"E
59°12'15.6"N 18°32'29.4"E
59°12'21.6"N 18°33'55.2"E
59°12'52.2"N 18°36'06.6"E
59°13'24.0"N 18°37'14.4"E
59°15'04.8"N 18°39'31.2"E
59°15'28.2"N 18°40'39.0"E
59°16'39.6"N 18°42'52.8"E
59°16'58.2"N 18°42'59.4"E
59°17'06.6"N 18°42'50.4"E
59°17'12.0"N 18°42'28.8"E
59°17'15.6"N 18°42'20.4"E
(37(999)99 Norrkoping)
- 44184** 9Ed. 5/11/96 LAST NM 10/03 13/03
Add Submarine cable [L30.1] joining
59°17'00.0"N 18°42'59.0"E
59°17'06.6"N 18°42'50.4"E
59°17'12.0"N 18°42'28.8"E
59°17'15.6"N 18°42'20.4"E
(37(999)99 Norrkoping)
- 44187** 2Ed. 2/3/96 LAST NM 9/03 13/03
Substitute Depth 1.5 meters for 2.2 meters 59°47'22"N 19°14'00"E
Change Red sector of light to 035°-090° 59°46'32"N 19°07'22"E
Add Submarine cable [L30.1] joining
59°52'33"N 19°04'59"E
59°52'39"N 19°05'02"E
59°52'46"N 19°05'00"E
59°52'53"N 19°04'57"E
59°52'56"N 19°04'58"E
Dangerous rock [K13] 59°47'19"N 19°13'52"E
Dangerous rock [K13] 59°47'09"N 19°13'16"E
(37(998)99, 40(549)02 Norrkoping; Swd LL)
- 44200** 9Ed. 7/20/96 LAST NM 12/03 13/03
Change Light to Fl 3s 17m 9M Racon 60°37.7'N 18°21.6'E
(37(996)99 Norrkoping; Swd LL)
- 44204** 1Ed. 12/27/86 LAST NM 12/03 13/03
Change Light to Fl 3s 17m 9M Racon 60°37'42"N 18°21'37"E
(37(996)99 Norrkoping; Swd LL)
- 44206** 1Ed. 12/27/86 LAST NM 5/03 13/03
Change Light to Fl(4) WRG 12s 15m 9-5M 61°34'00"N 17°19'24"E
(33(444)02 Norrkoping; Swd LL; BA LL)
- 44220** 5Ed. 8/23/97 LAST NM 5/03 13/03
Change Light to Fl(4) WRG 12s 15m 9-5M 61°34.0'N 17°19.4'E
(33(444)02 Norrkoping; Swd LL; BA LL)
- 44223** 1Ed. 9/5/92 LAST NM 6/03 13/03
Relocate Buoy from 62°22'00"N 17°36'53"E to 62°21'55"N 17°36'55"E
(23(687)99 Norrkoping)
- 44240** 8Ed. 7/19/97 LAST NM 7/03 13/03
Delete Buoy 63°32.4'N 20°49.5'E
Beacon "Target" 63°25.0'N 19°19.2'E
(See 7/03-44240)
Relocate Buoy from 63°30.9'N 20°45.0'E to 63°31.0'N 20°45.3'E
Add Buoy BY, spar, double cone topmark points upward 63°32.0'N 20°47.1'E
(23(686)99, 22(534)00 Norrkoping)
- 44260** 7Ed. 7/27/96 LAST NM 6/03 13/03
Change Light to Fl WRG 5s 15m 8-5M 64°38.8'N 21°16.7'E
Light to Fl(3) WRG 9s 15m 9-6M 64°09.8'N 21°07.8'E
(Swd LL; BA LL)
- 44282** 1Ed. 2/22/92 LAST NM 50/02 13/03
(Panel A)
Change Characteristic of range light, front to FR 63°44'48"N 20°19'05"E
Characteristic of range light, rear to FR 63°44'52"N 20°19'03"E
(40(544)02 Norrkoping; Swd LL)
- 44410** 4Ed. 2/8/97 LAST NM 12/03 13/03
Change Visibility (range) of light to 10-6M 57°49.4'N 19°07.4'E
(Swd LL)
- 51081** 10Ed. 10/5/96 LAST NM 6/03 13/03
Add Dangerous wreck [K28] 37°46.7'N 25°46.3'W
(21(322)02 Lisboa)
- 51082** 7Ed. 5/11/96 LAST NM 7/03 13/03
Add Dangerous wreck [K28] 37°46'42"N 25°46'16"W
(21(322)02 Lisboa)
- 51142** 2Ed. 7/12/97 LAST NM 6/03 13/03
Add Submarine cable [L30.1] joining
38°26'27"N 9°05'35"W
38°25'50"N 9°05'01"W
38°23'42"N 9°05'00"W
38°22'55"N 9°05'21"W
Submarine cable [L30.1] joining
38°25'16"N 9°05'47"W
38°25'09"N 9°06'07"W
38°23'59"N 9°07'25"W
38°23'10"N 9°08'02"W
38°22'55"N 9°08'30"W
Submarine cable [L30.1] joining
38°26'28"N 9°05'35"W
38°25'35"N 9°06'05"W
38°25'23"N 9°06'29"W
38°25'10"N 9°06'44"W
38°24'14"N 9°08'00"W
38°22'55"N 9°10'40"W
Submarine cable [L30.1] joining
38°40'49"N 9°20'07"W
38°40'27"N 9°20'50"W
38°40'11"N 9°21'47"W
38°38'00"N 9°24'59"W
38°37'00"N 9°25'46"W
38°32'15"N 9°31'46"W
38°31'02"N 9°33'43"W
38°28'43"N 9°36'07"W
38°27'28"N 9°40'13"W
(continued on next page)

51142 (Continued)
 Submarine cable [L30.1] joining
 38°40'49"N 9°20'07"W
 38°40'28"N 9°20'31"W
 38°40'04"N 9°21'39"W
 38°37'47"N 9°24'42"W
 38°36'23"N 9°25'35"W
 38°35'00"N 9°26'06"W
 38°32'35"N 9°28'06"W
 38°31'14"N 9°29'44"W
 38°26'13"N 9°33'19"W
 38°24'12"N 9°34'44"W

(20(300-304)02 Lisboa)

51145 2Ed. 8/2/97 LAST NM 42/02 13/03
 Add Submarine cable [L30.1] joining
 38°26'27"N 9°05'35"W
 38°25'50"N 9°05'01"W
 38°23'42"N 9°05'00"W
 38°19'57"N 9°06'42"W
 38°15'15"N 9°10'13"W
 38°14'46"N 9°11'24"W
 38°13'48"N 9°12'30"W
 38°13'43"N 9°14'22"W
 38°11'46"N 9°19'03"W
 38°11'49"N 9°19'36"W

Submarine cable [L30.1] joining
 38°25'16"N 9°05'47"W
 38°25'09"N 9°06'07"W
 38°23'59"N 9°07'25"W
 38°23'10"N 9°08'02"W
 38°20'55"N 9°12'14"W
 38°20'01"N 9°14'50"W
 38°20'33"N 9°15'59"W

Submarine cable [L30.1] joining
 38°24'41"N 9°07'21"W
 38°24'14"N 9°08'00"W
 38°21'26"N 9°13'43"W
 38°20'28"N 9°16'47"W
 38°20'06"N 9°17'30"W

Submarine cable [L30.1] joining
 38°33'55"N 9°29'40"W
 38°32'15"N 9°31'46"W
 38°31'02"N 9°33'43"W
 38°30'41"N 9°34'05"W

Submarine cable [L30.1] joining
 38°33'55"N 9°27'00"W
 38°31'14"N 9°29'44"W
 38°25'08"N 9°34'05"W

(20(300-304)02 Lisboa)

51150 (INT 1811) 1Ed. 3/24/90 LAST NM 1/03 13/03
 Add Submarine cable [L30.1] joining
 38°26.5'N 9°05.5'W
 38°23.8'N 9°04.9'W
 38°20.0'N 9°06.6'W
 38°15.3'N 9°10.1'W
 38°14.8'N 9°11.3'W
 38°13.9'N 9°12.4'W
 38°13.8'N 9°14.3'W
 38°11.9'N 9°19.0'W
 38°11.8'N 9°19.4'W

Submarine cable [L30.1] joining
 38°23.3'N 9°08.0'W
 38°20.1'N 9°14.8'W
 38°19.7'N 9°15.8'W

Submarine cable [L30.1] joining
 38°24.7'N 9°07.3'W
 38°24.2'N 9°08.0'W
 38°21.4'N 9°13.7'W
 38°20.1'N 9°17.3'W

Submarine cable [L30.1] joining
 38°40.3'N 9°21.7'W
 38°38.1'N 9°24.9'W
 38°32.3'N 9°31.7'W
 38°31.1'N 9°33.6'W
 38°28.8'N 9°36.0'W
 38°27.6'N 9°40.1'W

Submarine cable [L30.1] joining
 38°37.9'N 9°24.6'W
 38°36.5'N 9°25.5'W
 38°35.1'N 9°26.0'W
 38°31.3'N 9°29.7'W
 38°24.2'N 9°34.6'W

(20(300-304)02 Lisboa)

51154 3Ed. 12/30/95 LAST NM 51/02 13/03
 Add Depth 4.2 meters 37°07'26.4"N 8°31'37.8"W
 and extend depth contour (5-meter) to enclose
 (16(267)02 Lisboa)

51180 5Ed. 12/12/98 LAST NM 24/01 13/03
 Add Submarine cable [L30.1] joining
 35°44'27"N 7°00'53"W
 35°55'12"N 6°19'31"W
 35°55'17"N 6°16'44"W
 35°56'00"N 6°14'13"W

(21(320)02 Lisboa)

51261 23Ed. 6/4/94 LAST NM 6/03 13/03
 Change Height of light to 23m 32°38.8'N 16°58.5'W
 Add Depth 13.1 meters 32°49.4'N 17°17.0'W
 and extend depth contour (20-meter) to enclose
 Depth 16.4 meters 32°43.3'N 17°11.8'W
 and extend depth contour (20-meter) to enclose
 Depth 25.9 meters 32°49.7'N 17°17.4'W
 and extend depth contour (50-meter) to enclose

Depth 45.4 meters Obstr [K41] 32°38.4'N 17°01.3'W
 (19(286, 287)02 Lisboa)

51263 23Ed. 9/27/97 LAST NM 49/02 13/03
 Change Height of light to 23m 32°38'48.5"N 16°58'32.0"W
 (19(287)02 Lisboa)

52039 4Ed. 11/2/02 LAST NM 9/03 13/03
 Add Submarine cable [L30.1] joining
 35°55'03"N 6°20'00"W
 35°55'12"N 6°19'31"W
 35°55'17"N 6°16'44"W
 36°00'15"N 5°59'44"W
 36°00'03"N 5°47'10"W
 35°58'34"N 5°42'46"W
 35°56'44"N 5°41'08"W
 35°56'17"N 5°38'05"W
 35°55'07"N 5°36'59"W
 35°57'01"N 5°29'00"W

(21(320)02 Lisboa)

52040 17Ed. 9/27/86 LAST NM 50/02 13/03
 Add Submarine cable [L30.1] joining
 35°56.5'N 5°40.0'W
 35°56.3'N 5°38.1'W
 35°55.1'N 5°37.0'W
 35°57.0'N 5°29.0'W

(21(320)02 Lisboa)

52180 14Ed. 7/31/99 LAST NM 10/03 13/03
 Add Buoy (wavemeter) Y, spherical, "X" topmark,
 Fl Y 25s 38°15.4'N 13°19.9'E
 (13(11)02 Genova)

53100 16Ed. 11/18/89 LAST NM 10/03 13/03
 Relocate Superbuoy "ODAS 1" from
 43°56.4'N 9°03.6'E to 43°47.3'N 9°09.5'E
 and change designation to "ITALIA 1"
 (14(4)02 Genova)

53101 7Ed. 1/29/94 LAST NM 8/03 13/03
 Add Buoy Y, spar, "X" topmark 44°22'51"N 8°58'43"E
 (11(4)02 Genova)

53120 14Ed. 7/3/99 LAST NM 7/03 13/03
 Add Buoy (wavemeter) Y, spherical, "X" topmark
 Fl(5) Y 20s 42°53.0'N 10°36.2'E
 (12(8)02 Genova)

53125 2Ed. 2/17/96 LAST NM 51/02 13/03
 Add Buoy (wavemeter) Y, spherical, "X" topmark
 Fl(5) Y 20s 42°53'00.0"N 10°36'09.6"E
 (12(8)02 Genova)

53130 1Ed. 9/9/89 LAST NM 10/03 13/03
 Add Dangerous wreck [K28] 39°24.7'N 9°38.5'E
 (12(11)02 Genova)

53147 3Ed. 4/13/96 LAST NM 10/03 13/03
 Substitute Disused submarine cable [L32] for
 submarine cable between 41°54'48"N 12°07'18"E
 41°54'40"N 11°24'21"E

(continued on next page)

SECTION I

NM 13/03

53147	(Continued)				
Add	Buoy Y, pillar, "X" topmark, Fl Y 20s	42°00'02"N 11°46'35"E			
	(11(6), 13(4)02 Genova)				
53161	8Ed. 3/30/96 LAST NM 8/03		13/03		
Add	Anchor berth "A" [N11.1]	40°38'56"N 14°44'39"E			
	Anchor berth "B" [N11.1]	40°38'50"N 14°45'21"E			
	Anchor berth "C" [N11.1]	40°38'32"N 14°44'09"E			
	Anchor berth "D" [N11.1]	40°38'26"N 14°44'51"E			
	(10(4)02 Genova)				
53180	10Ed. 1/21/95 LAST NM 7/03		13/03		
Add	Wreck [K29]	40°23.6'N 14°58.4'E			
	Wreck [K29]	40°24.6'N 14°56.7'E			
	Wreck [K29]	40°24.3'N 14°58.2'E			
	Dangerous wreck [K28]	40°35.9'N 14°48.4'E			
	(12(16), 14(8)02 Genova)				
53181	4Ed. 11/4/95 LAST NM 1/03		13/03		
	(Plan B)				
Change	Legend to "ISOLA SALINA"	38°34.1'N 14°54.5'E			
	(Ital CH 14)				
53184	5Ed. 3/23/96 LAST NM 6/03		13/03		
	(Plan A)				
Add	Buoy Y, pillar, "X" topmark, Fl Y 3s	38°12'58.8"N 15°34'22.8"E			
	(10(5)02 Genova)				
53242	12Ed. 5/18/96 LAST NM 1/03		13/03		
Add	Platform (lighted) "PALERMO 1" [L2]				
	Fl Y 4s 2M	38°06'26.4"N 13°24'09.6"E			
	(13(10)02 Genova)				
53266	4Ed. 4/14/90 LAST NM 8/03		13/03		
Add	Danger circle [K40] "Obstn (Marine farm)"				
	marked by buoys Y, spar, "X" topmark, Fl Y 4s	39°53.20'N 8°30.00'E			
	(11(6)02 Genova)				
54063	3Ed. 2/1/97 LAST NM 1/03		13/03		
Delete	Overhead cable and pylons (8) between	41°19'36.8"N 16°15'42.8"E			
		41°19'47.3"N 16°17'14.2"E			
	(13(15)02 Genova; Ital CH 198)				
54105	3Ed. 8/31/02 LAST NM 8/03		13/03		
Add	Dangerous wreck [K28]	42°03.8'N 14°49.1'E			
	(11(10)02 Genova)				
54266	2Ed. 4/15/95 LAST NM 33/01		13/03		
	(Panel A)				
Add	Buoy YBY, pillar, double cone topmark	41°09'27"N 19°25'19"E			
	points together, Q(9) 15s [Q130.3]				
	Buoy YBY, pillar, double cone topmark	41°12'08"N 19°25'16"E			
	points together, Q(9) 15s [Q130.3]				
	Buoy BY, pillar, double cone topmark	41°13'04"N 19°26'18"E			
	points upward, Q [Q130.3]				
	Buoy YB, pillar, double cone topmark	41°16'25"N 19°26'29"E			
	points downward, Q(6) + L Fl 15s [Q130.3]				
	(12(17)02 Genova)				
54343	10Ed. 12/9/95 LAST NM 12/03		13/03		
Substitute	Depth 3.2 meters for 3.4 meters	37°54'13"N 23°42'40"E			
	Depth 4.5 meters for 4.8 meters	37°53'22"N 23°42'31"E			
	Depth 3.3 meters for 7 meters	37°50'27"N 23°44'10"E			
	Depth 4 meters for 4.5 meters	37°47'34"N 23°49'20"E			
Add	Wreck [K29]	37°55'06"N 23°33'46"E			
	Wreck [K29]	37°54'08"N 23°31'58"E			
	Wreck [K29]	37°53'09"N 23°35'44"E			
	Wreck [K29]	37°55'28"N 23°34'21"E			
	(8(211)01, 2(52, 53)02 Athens)				
54346	8Ed. 12/23/95 LAST NM 12/03		13/03		
Substitute	Depth 3.2 meters for 3.4 meters	37°54'13.7"N 23°42'38.0"E			
	Depth 4.5 meters for 4.8 meters	37°53'22.0"N 23°42'29.0"E			
Add	Wreck [K29]	37°55'06"N 23°33'46"E			
	Wreck [K29]	37°54'08"N 23°31'58"E			
	Wreck [K29]	37°53'09"N 23°35'44"E			
	Wreck [K29]	37°55'28"N 23°34'21"E			
	(8(211)01, 2(52, 53)02 Athens)				
61204	5Ed. 7/21/90 LAST NM 38/90		13/03		
Add	Double solid line (pontoon) [F16] between	6°09'24.0"S 39°11'31.9"E			
		6°09'23.9"S 39°11'29.5"E			
	(2(208)03 Taunton)				
★62432	16Ed. 2/15/03 NEW EDITION		13/03		
	(NIMA)				
62480	1Ed. 8/15/98 LAST NM 10/03		13/03		
Add	Submarine pipeline [L40.1] with legend				
	"(see Note)" between	26°31.9'N 51°56.6'E			
		26°39.3'N 51°34.3'E			
	(2/03 MENAS)				
62490	1Ed. 5/30/98 LAST NM 8/03		13/03		
Add	Submarine pipeline [L40.1] with legend				
	"(see Note)" between	26°31.9'N 51°56.6'E			
		26°39.3'N 51°34.3'E			
	(2/03 MENAS)				
62520	5Ed. 2/21/98 LAST NM 10/03		13/03		
Add	Submarine pipeline [L40.1] with legend				
	"CAUTION NO 2" between	26°31.7'N 51°56.6'E			
		26°39.4'N 51°34.5'E			
	(See 7/01-62520)				
	(2/03 MENAS)				
62521	3Ed. 2/21/98 LAST NM N10/03		N13/03		
Add	Submarine pipeline [L40.1] with legend				
	"CAUTION NO 2" between	26°31.9'N 51°56.6'E			
		26°39.3'N 51°34.5'E			
	(See N7/01-62521)				
	(2/03 MENAS)				
62530	5Ed. 2/28/98 LAST NM 8/03		13/03		
Add	Submarine pipeline [L40.1] with legend				
	"CAUTION NO 4" between	26°31.9'N 51°56.6'E			
		26°39.3'N 51°34.3'E			
	(See 7/01-62530)				
	(2/03 MENAS)				
62531	3Ed. 2/28/98 LAST NM N8/03		N13/03		
Add	Submarine pipeline [L40.1] with legend				
	"CAUTION NO 4" between	26°31.9'N 51°56.6'E			
		26°39.3'N 51°34.3'E			
	(See N7/01-62531)				
	(2/03 MENAS)				
62550	2Ed. 3/2/96 LAST NM 10/03		13/03		
Add	Submarine pipeline [L40.1] with legend				
	"CAUTION NO 1" joining	26°31'54"N 51°56'36"E			
		26°33'51"N 51°51'07"E			
		26°35'43"N 51°45'28"E			
		26°37'34"N 51°39'48"E			
		26°39'21"N 51°34'16"E			
		26°39'27"N 51°34'13"E			
	(See 7/01-62550)				
	(2/03 MENAS)				
71005	1Ed. 1/25/92 LAST NM 12/03		13/03		
Delete	Moored storage tanker	5°18.9'N 98°02.8'E			
	(See 2/03-71005)				
	(6(653)03 Taunton)				
71018	10Ed. 3/23/96 LAST NM 12/03		13/03		
Add	Dangerous wreck [K28] marked by buoy Y,				
	pillar, "X" topmark	5°57.8'S 106°44.5'E			
	(40(323)02 Jakarta)				

71180 29Ed. 2/3/96 LAST NM 12/03 13/03
 Add Dangerous wreck [K28] marked by buoy Y,
 pillar, "X" topmark 5°57.8'S 106°44.5'E
 (40(323)02 Jakarta)

71185 24Ed. 9/12/98 LAST NM 7/03 13/03
 Add Dangerous wreck [K28] marked by buoy Y,
 pillar, "X" topmark 5°57'50"S 106°44'30"E
 (40(323)02 Jakarta)

71243 4Ed. 1/25/86 LAST NM 33/02 13/03
 Add Buoy "1" G, pillar, cone topmark, Fl G 3s 1°10'00"N 104°09'14"E
 [Q130.1] 1°10'00"N 104°09'14"E
 Buoy "2" R, pillar, can topmark, Fl R 2s 1°09'58"N 104°09'13"E
 [Q130.1] 1°09'58"N 104°09'13"E
 (40(317, 318)02 Jakarta)

71253 10Ed. 12/27/97 LAST NM 7/03 13/03
 Substitute Depth 14.9 meters for 17 meters 1°12'54.1"N 103°48'15.9"E

Add Depth 14.7 meters 1°13'59.0"N 103°47'04.9"E
 Depth 14.5 meters 1°12'59.9"N 103°48'11.9"E
 (11(113, 114)00 Singapore)

71257 2Ed. 6/29/96 LAST NM 12/03 13/03
 Add Depth 14.5 meters 1°13'00"N 103°48'12"E
 Depth 14.9 meters 1°12'54"N 103°48'16"E
 (11(114)00 Singapore)

71258 2Ed. 8/10/96 LAST NM 7/03 13/03
 Add Depth 14.7 meters 1°13'59"N 103°47'05"E
 Depth 14.5 meters 1°13'00"N 103°48'12"E
 Depth 14.9 meters 1°12'54"N 103°48'16"E
 (11(113, 114)00 Singapore)

71259 2Ed. 2/27/99 LAST NM 7/03 13/03
 Add Buoy "1" G, pillar, cone topmark, Fl G 3s 1°10'00"N 104°09'14"E
 [Q130.1] 1°10'00"N 104°09'14"E
 Buoy "2" R, pillar, can topmark, Fl R 2s 1°09'58"N 104°09'13"E
 [Q130.1] 1°09'58"N 104°09'13"E
 (40(317, 318)02 Jakarta)

71265 3Ed. 6/8/02 LAST NM 7/03 13/03
 Add Buoy "1" G, pillar, cone topmark, Fl G 3s 1°10'00"N 104°09'14"E
 [Q130.1] 1°10'00"N 104°09'14"E
 Buoy "2" R, pillar, can topmark, Fl R 2s 1°09'58"N 104°09'13"E
 [Q130.1] 1°09'58"N 104°09'13"E
 (40(317, 318)02 Jakarta)

71285 3Ed. 5/8/99 LAST NM 52/02 13/03
 Delete Buoy 2°40'50"N 101°06'10"E

Relocate Beacon from 2°40'18"N 101°06'24"E to 2°40'45"N 101°06'30"E
 (6(651)03 Taunton)

71305 2Ed. 1/2/99 LAST NM 2/03 13/03
 Delete Moored storage tanker 5°18.9'N 98°02.8'E
 (See 2/03-71305)
 (6(653)03 Taunton)

73008 8Ed. 3/9/96 LAST NM 11/03 13/03
 Add Light Fl(2)G 10s 7m 6M, Fl(2)R 10s 7m 6M 4°47.4'S 121°33.8'E

Light Fl(2) 5s 12m 12M 4°34.8'S 122°17.8'E
 Light Fl(2) 7s 12m 12M 4°33.7'S 122°24.3'E
 (52(410-413)01 Jakarta)

73271 7Ed. 2/3/79 LAST NM 21/02 13/03
 Change Light to Fl WR 3°58'18"S 122°36'24"E
 (51(397)01 Jakarta)

93010 6Ed. 1/9/99 LAST NM 2/03 13/03
 Add Depth 22 meters Wk [K26] 7°16.3'N 105°43.4'E
 (6(658)03 Taunton)

93020 2Ed. 7/16/83 LAST NM 4/03 13/03
 Add Depth 12 fathoms Wk [K26] 7°16.3'N 105°43.4'E
 (6(658)03 Taunton)

94127 2Ed. 5/25/96 LAST NM 9/03 13/03
 (Panel B)
 Delete Light 25°10'00.3"N 121°23'29.9"E
 Stranded wreck (PA) 25°08'00.0"N 121°21'35.0"E
 (See 50/98, 6/03-94127)

Add Double solid line with land tint (breakwater extension) joining 25°10'00.3"N 121°23'29.9"E
 25°10'04.1"N 121°23'24.5"E
 25°09'33.3"N 121°22'16.4"E

Foul ground symbol [K31] 25°09'48.0"N 121°23'06.0"E
 Light Fl G 5s 12m 8M 25°10'04.1"N 121°23'24.5"E
 Light Fl(2) R 4s 14m 12M 25°09'19.8"N 121°23'03.4"E
 Stranded wreck [K24] 25°08'03.6"N 121°21'05.4"E

Legend "Works in progress (2002)" 25°09'48.0"N 121°22'54.0"E
 (72/01, 31, 33/02, 11, 13/03 Tso-ying)

94360 6Ed. 10/21/95 LAST NM 6/03 13/03
 Substitute Beacon "401" R, can topmark, Fl R 4s for buoy "401" 39°47.4'N 119°45.9'E
 (12(204)02 Tianjin)

94361 13Ed. 5/11/96 LAST NM 32/02 13/03
 Delete Buoy "405" 39°48'25.7"N 119°45'08.6"E
 Buoy "406" 39°48'30.6"N 119°45'19.5"E
 Buoy "407" 39°48'58.0"N 119°44'44.3"E
 Buoy "408" 39°49'02.9"N 119°44'55.2"E
 Buoy "423" 39°55'13.6"N 119°40'00.7"E
 Buoy "424" 39°55'18.4"N 119°40'11.7"E
 Buoy "425" 39°55'34.6"N 119°39'41.9"E
 Buoy "426" 39°55'25.7"N 119°39'41.9"E
 Buoy "27" 39°53'00.8"N 119°36'20.0"E
 Buoy "33" 39°54'34.5"N 119°39'05.7"E
 Buoy "34" 39°55'16.2"N 119°39'50.7"E
 (See 26/97-94361)

Substitute Beacon "25" R, can topmark, Fl R 4s for buoy "25" 39°53'53.3"N 119°36'06.0"E
 Beacon "409" R, can topmark, Fl R 4s for buoy "411" 39°50'02.4"N 119°43'55.7"E
 Beacon "410" G, cone topmark, Fl G 4s for buoy "412" 39°50'07.3"N 119°44'06.6"E
 Beacon "413" R, can topmark, Fl R 4s for buoy "415" 39°51'46.3"N 119°42'37.4"E
 Beacon "414" G, cone topmark, Fl G 4s for buoy "416" 39°51'51.2"N 119°42'48.3"E
 Beacon "417" R, can topmark, Fl R 4s for buoy "419" 39°53'30.1"N 119°41'19.0"E
 Beacon "418" G, cone topmark, Fl G 4s for buoy "420" 39°53'35.0"N 119°41'29.9"E
 Beacon "24" G, cone topmark, Fl G 4s for buoy "26" 39°53'58.2"N 119°36'11.2"E
 Beacon "9" R, can topmark, Fl R 4s for buoy "7" 39°52'46.3"N 119°38'30.8"E

Change Designation of buoy "409" to "407" 39°49'30.2"N 119°44'20.0"E
 Designation of buoy "410" to "408" 39°49'35.1"N 119°44'30.9"E
 Designation of buoy "413" to "411" 39°50'54.4"N 119°43'16.6"E
 Designation of buoy "414" to "412" 39°50'59.2"N 119°43'27.5"E
 Designation of buoy "417" to "415" 39°52'38.2"N 119°41'58.2"E
 Designation of buoy "418" to "416" 39°52'43.1"N 119°42'09.1"E
 Designation of buoy "421" to "419" 39°54'22.0"N 119°40'39.8"E
 Designation of buoy "422" to "420" 39°54'26.8"N 119°40'50.7"E
 Designation of beacon "9" to "11" 39°53'25.1"N 119°38'40.2"E
 Designation of beacon "10" to "12" 39°53'24.1"N 119°38'48.0"E
 Designation of beacon "11" to "13" 39°54'01.2"N 119°38'48.1"E
 Designation of beacon "12" to "14" 39°53'55.9"N 119°38'52.0"E

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NM 13/03

94361	(Continued)				
	Designation of beacon "13" to "15"	39°54'17.7"N 119°38'49.5"E			
	Designation of beacon "17" to "19"	39°55'07.1"N 119°38'57.1"E			
	Designation of beacon "22" to "20"	39°52'41.5"N 119°38'10.5"E			
	Designation of beacon "24" to "22"	39°53'19.0"N 119°37'10.5"E			
	Characteristic of light to FG	39°55'28.2"N 119°40'07.9"E			
	Buoy "5" to "7" R, pillar, can topmark, Fl R 4s	39°52'04.9"N 119°38'35.7"E			
	Buoy "6" to "8" G, pillar, cone topmark, Fl G 4s	39°52'05.8"N 119°38'42.9"E			
	Beacon "8" to "10" G, cone topmark, Fl G 4s	39°52'45.0"N 119°38'37.5"E			
Add	Beacon "421" BY, double cone topmark points upward, Q	39°55'15.3"N 119°39'56.8"E			
	Beacon "423" BYB, double cone topmark bases together, Q(3) 10s	39°55'26.0"N 119°39'42.6"E			
	Beacon "424" BYB, double cone topmark bases together, VQ(3) 5s	39°55'32.9"N 119°39'42.7"E			
	Beacon "422" G, cone topmark, Fl G 4s	39°55'20.2"N 119°40'08.3"E			
	Beacon "16" G, cone topmark, Fl G 4s	39°55'48.1"N 119°39'09.0"E			
	Beacon "17" R, can topmark, Fl R 4s	39°54'49.3"N 119°39'00.7"E			
	Beacon "X-2" R, can topmark, Fl R 4s	39°54'40.0"N 119°38'22.1"E			
	Beacon "405" R, can topmark, Fl R 4s	39°48'47.4"N 119°44'50.4"E			
	Beacon "406" G, cone topmark, Fl G 4s	39°48'52.3"N 119°45'01.3"E			
	Buoy "5" R, pillar, can topmark, Fl R 4s	39°51'20.2"N 119°38'55.4"E			
	Buoy "6" G, pillar, cone topmark, Fl G 4s	39°51'22.2"N 119°39'03.4"E			
	(12(204-206, 214), 13(240-242)02 Tianjin; Cna LL)				
94420	3Ed. 9/23/95 LAST NM 11/03				13/03
	Substitute Buoy "0" RW, pillar, ball topmark, Iso 4s for beacon "0"	39°48.8'N 119°40.0'E			
	(12(204)02 Tianjin)				
95102	8Ed. 8/12/95 LAST NM 8/03				13/03
Add	Dashed-line circle "Marine farm"	34°37'37"N 127°05'45"E			
	(26(236)00 Inchon)				
95143	11Ed. 5/15/99 LAST NM 12/03				13/03
Add	Legend "Numerous Marine farms"	34°52'00"N 128°16'00"E			
	(27(248)00 Inchon)				
95144	9Ed. 5/15/99 LAST NM 11/03				13/03
Add	Legend "Numerous Marine farms"	34°52'00"N 128°16'00"E			
	(27(248)00 Inchon)				
95163	2Ed. 6/4/94 LAST NM 10/03				13/03
Change	Height of light to 13m	36°04'49.8"N 129°33'46.0"E			
	(28(328)00 Inchon)				
95255	2Ed. 8/23/97 LAST NM 7/03				13/03
Add	Double solid line with land tint (breakwater) [F4.1] between	38°00'40.2"N 139°14'28.2"E 38°00'35.5"N 139°14'19.8"E			
	Position circle "(R Lt)"	38°00'40.2"N 139°14'28.2"E			
	Double solid line with land tint (breakwater) [F4.1] between	38°00'27.5"N 139°14'49.4"E 38°00'29.5"N 139°14'52.9"E			
	Position circle "(G Lt)"	38°00'27.5"N 139°14'49.4"E			
	(2(28)99 Tokyo; Jpn CH W1155B)				
95267	5Ed. 8/18/84 LAST NM 17/02				13/03
Change	Light to 3Fl RG 6/3M	37°50'42"N 136°55'30"E			
	(3(85)99 Tokyo)				
95268	16Ed. 3/28/98 LAST NM 9/03				13/03
	(Plan A)				
Delete	Purple dashed line between	36°48'23.5"N 137°03'28.2"E 36°49'23.0"N 137°04'32.0"E			
	Position circle "(Y Lt)"	36°48'29.5"N 137°04'05.0"E			
Add	Beacon Y, "X" topmark, Fl(5) Y 20s 14m 5M	36°49'15.0"N 137°04'29.0"E			
	Double solid line with land tint (breakwater) between	36°48'42.9"N 137°03'48.8"E 36°48'29.5"N 137°04'05.0"E			
	Position circle "(Y Lt)"	36°48'42.9"N 137°03'48.8"E			
	Purple dashed line (passage limit) joining	36°48'23.5"N 137°03'28.2"E 36°48'25.9"N 137°03'27.9"E 36°49'23.5"N 137°04'29.9"E			
	Double solid line with land tint (groin extension) between	36°48'10.6"N 137°03'44.6"E 36°48'06.3"N 137°03'49.7"E			
	Double dashed line with legend "Submerged Jetty" [Fb] between	36°47'53.0"N 137°03'56.1"E 36°47'47.4"N 137°04'03.0"E			
	(See 48/02-95268) (25(873), 50(1787)00, 23(849), 25(929)01, 30(1023)02, 3(77)03 Tokyo)				
95270	4Ed. 11/9/91 LAST NM 10/03				13/03
Change	Light to Fl G 4s 12M & Fl R 3s 6M	36°49.0'N 137°23.7'E			
	Light to 3Fl RG 6/3M	37°50.7'N 136°55.5'E			
	(2(27), 3(85)99 Tokyo)				
95271	4Ed. 2/7/98 LAST NM 12/03				13/03
Delete	Position circle "(Y Lt)"	36°48'26.0"N 137°04'07.0"E			
Change	Light to Fl G 4s 13m 12M, Fl R 3s 8m 6M	36°49'14.0"N 137°23'29.0"E			
Add	Beacon Y, "X" topmark, Fl(5) Y 20s 14m 5M	36°49'15.0"N 137°04'29.0"E			
	Solid line (breakwater) between	36°48'40.0"N 137°03'46.0"E 36°48'26.0"N 137°04'07.0"E			
	Position circle "(Y Lt)"	36°48'40.0"N 137°03'46.0"E			
	(See 48/02-95271) (2(27)99, 25(873)00, 23(849)01, 3(77)03 Tokyo; Jpn CH W1183)				
95342	16Ed. 2/3/96 LAST NM 9/03				13/03
Substitute	Beacon "3" G, can topmark, Fl G 3s 8m 4M for buoy	33°55'54.0"N 130°50'55.0"E			
	Beacon "4" R, cone topmark, Fl R 3s 8m 4M for buoy	33°56'02.0"N 130°50'53.0"E			
	Beacon "5" G, can topmark, Fl G 3s 8m 4M for buoy	33°55'49.0"N 130°50'19.0"E			
	Beacon "6" R, cone topmark, Fl R 3s 8m 4M for buoy	33°55'55.0"N 130°50'11.0"E			
	Beacon "7" G, can topmark, Fl G 3s 8m 4M for buoy	33°55'36.0"N 130°49'44.0"E			
	Beacon "8" R, cone topmark, Fl R 3s 8m 4M for buoy	33°55'43.0"N 130°49'37.0"E			
	(6(194)03 Tokyo)				
96944	6Ed. 7/25/98 LAST NM 6/03				13/03
	(Plan)				
Add	Double solid line with land tint (breakwater) [F4.1] between	40°49'59.5"N 140°44'03.8"E 40°50'00.0"N 140°44'02.9"E			
	Position circle "(R Lt)"	40°49'59.5"N 140°44'03.8"E			
	Double solid line with land tint (breakwater) [F4.1] between	40°49'59.0"N 140°44'04.9"E 40°49'58.1"N 140°44'06.4"E			
	Position circle "(G Lt)"	40°49'59.0"N 140°44'04.9"E			
	(6(186)03 Tokyo)				

96947 15Ed. 5/16/98 LAST NM 12/03 13/03
 Delete Legend "Oil" from submarine pipeline
 41°48'44.0"N 140°41'17.5"E

Substitute Buoy Y, conical, (Y Lt) for buoy (mooring)
 "Aziasekiyu Sea Berth" 41°48'17.0"N 140°40'43.5"E

Disused submarine pipeline for
 submarine pipeline in vicinity 41°48'44.0"N 140°41'18.0"E
 (3(75)03 Tokyo)

97141 5Ed. 12/22/01 LAST NM 8/03 13/03
 Substitute Beacon "No 1" G, can topmark,
 Fl(2) G 6s 9m 5M for buoy 35°24'21.0"N 139°48'17.0"E
 Beacon "No 2" R, cone topmark,
 Fl(2) R 6s 9m 5M for buoy 35°24'04.0"N 139°47'45.0"E
 Beacon "No 1" G, can topmark,
 Fl(2) G 6s 9m 5M for buoy 35°22'56.0"N 139°48'21.0"E
 Beacon "No 2" R, cone topmark,
 Fl(2) R 6s 9m 5M for buoy 35°22'43.0"N 139°48'01.0"E
 (6(187)03 Tokyo)

97143 11Ed. 9/25/93 LAST NM 9/03 13/03
 Substitute Beacon "No 1" G, can topmark,
 Fl(2) G 6s 9m 5M for buoy 35°24'09"N 139°48'28"E
 Beacon "No 2" R, cone topmark,
 Fl(2) R 6s 9m 5M for buoy 35°23'52"N 139°47'56"E
 Beacon "No 1" G, can topmark,
 Fl(2) G 6s 9m 5M for buoy 35°22'44"N 139°48'32"E
 Beacon "No 2" R, cone topmark,
 Fl(2) R 6s 9m 5M for buoy 35°22'31"N 139°48'12"E
 (6(187)03 Tokyo)

97144 14Ed. 6/22/02 LAST NM 9/03 13/03
 Substitute Beacon "No 1" G, can topmark,
 Fl(2) G 6s 9m 5M for buoy 35°24'21"N 139°48'17"E
 Beacon "No 2" R, cone topmark,
 Fl(2) R 6s 9m 5M for buoy 35°24'04"N 139°47'45"E
 Beacon "No 1" G, can topmark,
 Fl(2) G 6s 9m 5M for buoy 35°22'56"N 139°48'21"E
 Beacon "No 2" R, cone topmark,
 Fl(2) R 6s 9m 5M for buoy 35°22'43"N 139°48'01"E
 (6(187)03 Tokyo)

97151 16Ed. 7/5/97 LAST NM 12/03 13/03
 Substitute Beacon "1" G, can topmark,
 Fl(2) G 6s 9m 5M for buoy 35°24'21.0"N 139°48'17.0"E
 Beacon "2" R, cone topmark,
 Fl(2) R 6s 9m 5M for buoy 35°24'04.0"N 139°47'45.0"E
 (6(187)03 Tokyo)

97155 14Ed. 12/27/97 LAST NM 12/03 13/03
 Add Submarine pipeline [L40.1] with legend "Gas"
 joining 35°36'25.6"N 139°47'26.2"E
 35°36'22.3"N 139°47'29.3"E
 35°36'08.7"N 139°47'40.2"E
 35°36'06.5"N 139°47'41.8"E

Submarine pipeline [L40.1] with legend "Gas"
 between 35°36'23.0"N 139°47'25.4"E
 35°36'04.6"N 139°47'40.5"E

Position circle "Tr (Y Lt)" 35°36'23.0"N 139°47'25.4"E
 Position circle "Tr" 35°36'04.6"N 139°47'40.5"E
 (1(5)03 Tokyo)

97180 6Ed. 7/19/97 LAST NM 8/03 13/03
 Add Submarine cable [L30.1] joining 34°21'18"N 136°56'42"E
 34°20'36"N 136°58'42"E
 34°19'30"N 137°05'42"E
 34°17'48"N 137°09'06"E
 34°17'06"N 137°09'18"E
 34°12'54"N 137°16'18"E
 34°10'48"N 137°16'54"E
 34°04'36"N 137°25'12"E
 34°02'30"N 137°27'24"E
 33°57'12"N 137°29'00"E
 (26(894)02 Tokyo)

97181 20Ed. 3/26/94 LAST NM 12/03 13/03
 Change Light to Iso R 4s 12m 8M 34°48'52"N 137°13'28"E
 Visibility (range) of light to 7M 34°46'13"N 137°08'33"E

Add Submarine cable [L30.1] joining 34°21'15"N 136°56'12"E
 34°21'18"N 136°56'42"E
 34°20'36"N 136°58'42"E
 34°19'30"N 137°05'42"E
 34°17'48"N 137°09'06"E
 34°17'06"N 137°09'18"E
 34°14'23"N 137°13'48"E
 (26(894)02, 6(189, 190)03 Tokyo)

97188 2Ed. 6/25/94 LAST NM 7/03 13/03
 Change Light to Fl(3) R 12s 12m 3M 34°46'54"N 137°08'25"E
 Light to Iso R 4s 12m 8M 34°48'40"N 137°13'39"E
 Visibility (range) of light to 7M 34°46'01"N 137°08'44"E
 (1(6), 6(189, 190)03 Tokyo)

97190 2Ed. 6/21/97 LAST NM 8/03 13/03
 Add Submarine cable [L30.1] joining 34°21'18"N 136°56'42"E
 34°20'36"N 136°58'42"E
 34°19'30"N 137°05'42"E
 34°17'48"N 137°09'06"E
 34°17'06"N 137°09'18"E
 34°12'54"N 137°16'18"E
 34°10'48"N 137°16'54"E
 34°04'36"N 137°25'12"E
 34°02'30"N 137°27'24"E
 33°56'18"N 137°30'06"E
 33°54'30"N 137°31'50"E
 (26(894)02 Tokyo)

97219 4Ed. 12/20/97 LAST NM 9/03 13/03
 Delete Submarine cable in vicinity 34°44'12.0"N 134°33'06.0"E

Add Submarine cable [L30.1] joining 34°39'50.2"N 134°31'47.4"E
 34°39'42.8"N 134°31'47.7"E
 34°39'25.4"N 134°31'26.9"E
 34°39'15.6"N 134°31'12.3"E
 34°39'15.1"N 134°31'08.1"E

Submarine cable [L30.1] joining 34°46'22.0"N 134°32'59.0"E
 34°45'50.0"N 134°32'55.7"E
 34°44'59.1"N 134°33'00.9"E
 34°43'01.8"N 134°32'28.9"E
 34°41'57.4"N 134°31'57.1"E
 34°40'55.6"N 134°31'15.3"E
 34°40'52.0"N 134°31'12.0"E
 (1(9)03 Tokyo)

97221 20Ed. 1/17/98 LAST NM 10/03 13/03
 Delete Submarine cable in vicinity 34°44'12"N 134°33'06"E

Add Submarine cable [L30.1] joining 34°46'22"N 134°32'59"E
 34°44'59"N 134°33'01"E
 34°43'02"N 134°32'29"E
 34°41'57"N 134°31'57"E
 34°40'52"N 134°31'12"E
 (1(9)03 Tokyo)

97267 16Ed. 2/21/98 LAST NM 10/03 13/03
 Delete Submarine cable between 34°19'18"N 132°26'41"E
 34°20'18"N 132°27'12"E

Change Light to Fl R 3s 8m 3M 34°18'52"N 132°25'57"E

Add Submarine cable (power) [L31.1] joining 34°19'18"N 132°26'41"E
 34°19'30"N 132°27'02"E
 34°19'50"N 132°27'06"E
 34°20'09"N 132°27'06"E
 34°20'18"N 132°27'12"E
 (4(122)00, 1(12)03 Tokyo)

97269 11Ed. 1/31/98 LAST NM 8/03 13/03
 (Panel B)
 Delete Submarine power cable in vicinity 34°20'06.0"N 132°27'08.0"E

Depth 10.5 meters 34°20'55.5"N 132°26'16.0"E
 Depth 11.9 meters 34°20'52.8"N 132°26'03.0"E
 Depth 11.8 meters 34°20'50.0"N 132°26'17.9"E
 Depth 13 meters M 34°20'42.8"N 132°26'17.0"E
 Light 34°18'52.0"N 132°25'57.0"E

(continued on next page)

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97269	(Continued)				
Add	Light Fl R 3s 8m 3M	34°18'52.5"N	132°25'51.1"E		
	Superbuoy [Q26] (Y Lt)	34°21'29.2"N	132°30'46.5"E		
	Submarine cable (power) [L31.1] in joining				
		34°19'17.6"N	132°26'41.3"E		
		34°19'30.4"N	132°27'02.3"E		
		34°19'49.9"N	132°27'06.2"E		
		34°20'09.3"N	132°27'06.2"E		
		34°20'33.7"N	132°27'17.6"E		
		34°20'43.2"N	132°27'29.8"E		
	Depth 14.2 meters	34°20'57.7"N	132°26'02.3"E		
	Depth 9.8 meters	34°20'56.2"N	132°26'13.6"E		
	Depth 14.3 meters	34°20'55.8"N	132°26'18.5"E		
	Depth 10.3 meters	34°20'55.0"N	132°26'06.5"E		
	Depth 14.2 meters	34°20'53.0"N	132°26'16.8"E		
	Depth 11.2 meters	34°20'52.0"N	132°26'02.8"E		
	Depth 10.4 meters	34°20'51.8"N	132°26'13.2"E		
	Depth 14.2 meters	34°20'49.6"N	132°26'15.8"E		
	Depth 11 meters	34°20'49.2"N	132°26'12.0"E		
	Depth 12.3 meters	34°20'45.0"N	132°26'12.0"E		
	Depth 10.4 meters	34°20'42.0"N	132°26'15.8"E		
	Depth 12.6 meters	34°20'40.7"N	132°26'09.6"E		
	Double solid line with land tint (breakwater) between	34°18'52.5"N	132°25'51.2"E		
		34°18'50.8"N	132°25'49.5"E		
	Position circle "Y Lt"	34°18'50.8"N	132°25'49.5"E		
	(16(675)99, 4(122)00, 4(104), 15(531)02, 1(12)03 Tokyo)				
97273	10Ed. 5/21/94 LAST NM 9/03				13/03
Add	Fish haven area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	33°44'12"N	131°07'00"E		
		33°43'12"N	131°09'36"E		
		33°41'18"N	131°09'36"E		
	(25(936)01 Tokyo)				
97285	6Ed. 7/26/97 LAST NM 7/03				13/03
Delete	Light	33°56'01.0"N	130°55'54.0"E		
	Buoy "25"	33°55'31.0"N	130°55'49.0"E		
	Buoy "29"	33°57'12.0"N	130°56'47.0"E		
	(See 34/02-97285)				
Change	Designation of buoy "27" to "29"	33°56'18.0"N	130°56'09.0"E		
Add	Buoy "27" G, pillar, can topmark, Fl G 3s	33°55'46.3"N	130°55'55.7"E		
	Range light, front FY 27m 13M	33°55'53.1"N	130°55'34.8"E		
	Range light, rear FY 35m 13M	33°55'51.2"N	130°55'32.9"E		
	Range line extending in 040°00' direction from above rear light				
	dashed for 2,080 meters, thence solid line for 2,820 meters				
	Legend "Lts in line 220°00'" along above range line	33°56'59.0"N	130°56'43.0"E		
	(6(193)03 Tokyo)				
97286	6Ed. 7/19/97 LAST NM 10/03				13/03
Delete	Light and sector limits	33°56'01.0"N	130°55'54.0"E		
	Buoy "25"	33°55'31.0"N	130°55'49.0"E		
	Buoy "29"	33°57'12.0"N	130°56'47.0"E		
	Buoy "7"	33°53'33.0"N	130°52'55.0"E		
	(See 34/02-97286)				
Substitute	Beacon "1" G, can topmark, Fl(2) G 6s 8m 4M for buoy	33°55'34.0"N	130°52'08.0"E		
	Beacon "3" G, can topmark, Fl G 3s 8m 4M for buoy	33°55'18.0"N	130°51'55.0"E		
	Beacon "4" R, cone topmark, Fl R 3s 8m 4M for buoy	33°55'27.0"N	130°51'45.0"E		
	Beacon "3" G, can topmark, Fl G 3s 8m 4M for buoy	33°55'54.0"N	130°50'55.0"E		
	Beacon "4" R, cone topmark, Fl R 3s 8m 4M for buoy	33°56'02.0"N	130°50'53.0"E		
Change	Designation of buoy from "27" to "29"	33°56'18.0"N	130°56'09.0"E		
Add	Buoy "27" G, pillar, can topmark, Fl G 3s	33°55'46.3"N	130°55'55.7"E		
	Buoy "25" G, pillar, can topmark, Fl G 3s	33°55'14.5"N	130°55'42.9"E		
	Range light, front FY 27m 13M	33°55'53.1"N	130°55'34.8"E		
	Range light, rear FY 35m 13M	33°55'51.2"N	130°55'32.9"E		
	Range line extending in 040°00' direction from above rear light				
	dashed for 2,080 meters, thence solid line for 2,820 meters				
	Legend "Lts in line 220°00'" along above range line	33°56'59.0"N	130°56'43.0"E		
	(1(13), 6(193), 194)03 Tokyo)				
97300	6Ed. 12/13/97 LAST NM 1/03				13/03
Change	Light to Fl(2) G 6s 7M	33°04.5"N	133°06.9"E		
	(1(8)03 Tokyo)				
97360	6Ed. 2/1/97 LAST NM 7/03				13/03
Delete	Light	31°51'54"N	130°11'30"E		
	(1(23)03 Tokyo; BA LL)				
97381	7Ed. 9/6/97 LAST NM 7/03				13/03
Delete	Light	31°51'54"N	130°11'30"E		
	(1(23)03 Tokyo; BA LL)				
97383	16Ed. 9/6/97 LAST NM 7/03				13/03
Delete	Light	31°51'54"N	130°11'30"E		
	(1(23)03 Tokyo; BA LL)				
97421	13Ed. 3/30/96 LAST NM 10/03				13/03
Delete	Buoy	33°38'35.3"N	130°19'12.9"E		
	Buoy "4"	33°37'49.0"N	130°21'06.0"E		
	(See 19/01-97421)				
	(Supersedes 36/02-97421)				
Add	Buoy Y, pillar, (Y Lt)	33°38'19.5"N	130°20'06.5"E		
	Buoy Y, pillar, (Y Lt)	33°38'05.5"N	130°20'42.0"E		
	Buoy "4" R, pillar, cone topmark, Fl R 3s	33°37'57.9"N	130°20'42.8"E		
	(1(14)03 Tokyo)				
97423	2Ed. 5/25/96 LAST NM 1/03				13/03
Delete	Buoy	33°38'35.3"N	130°19'12.9"E		
	Buoy "4"	33°37'49.0"N	130°21'06.0"E		
	(See 19/01-97423)				
	(Supersedes 36/02-97423)				
Add	Buoy Y, pillar, (Y Lt)	33°38'19.5"N	130°20'06.5"E		
	Buoy Y, pillar, (Y Lt)	33°38'05.5"N	130°20'42.0"E		
	Buoy "4" R, pillar, cone topmark, Fl R 3s	33°37'57.9"N	130°20'42.8"E		
	(1(14)03 Tokyo)				
800744	1Ed. 9/24/88 LAST NM N12/03				N13/03
Relocate	Buoy from 21°25'00"N 157°40'39"W to 21°25'00"N 157°40'00"W				
	and add designation "098"				
	(See N5/03-800744)				
	(6/03 CG14)				

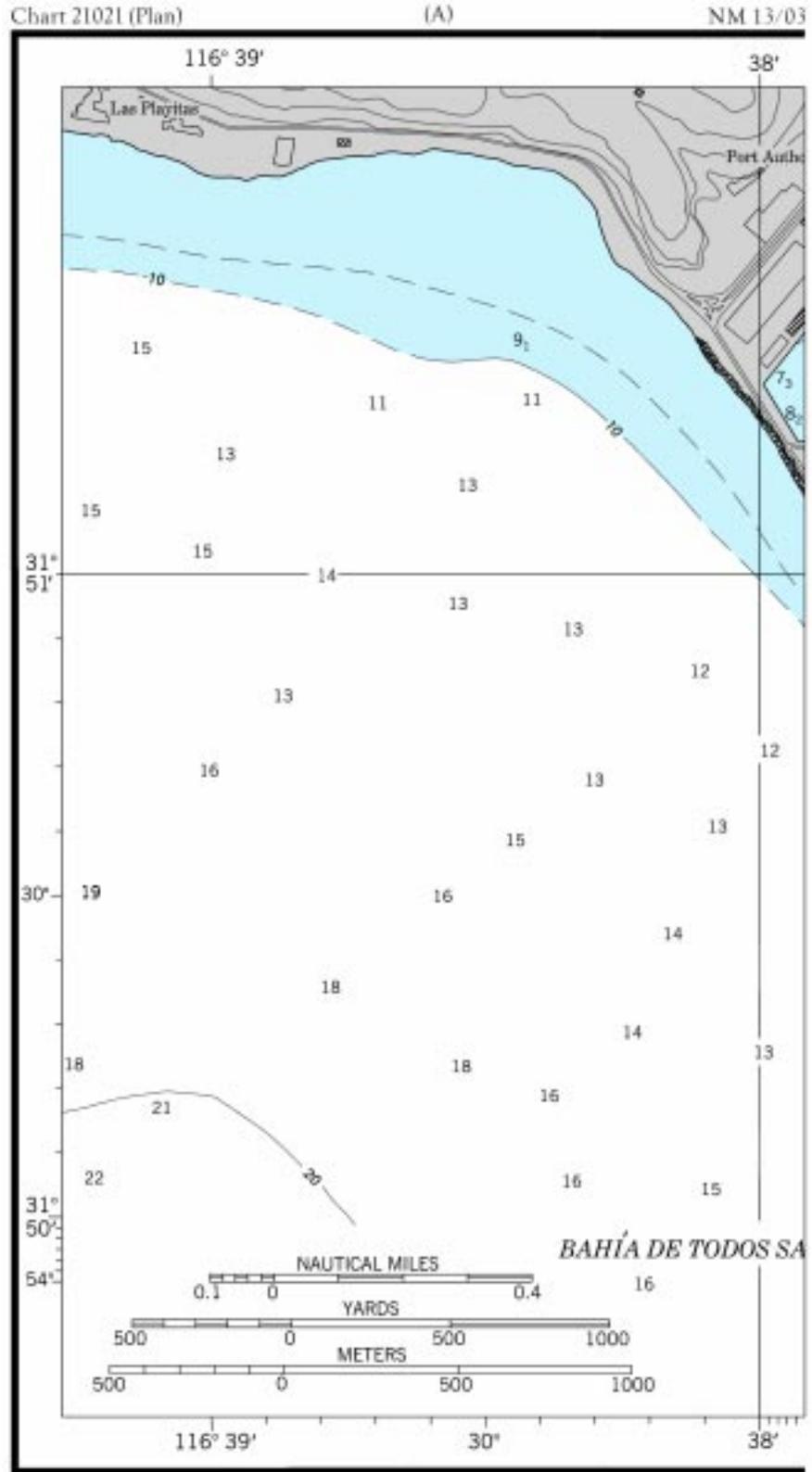


Chart 21021 (Plan)

(B)

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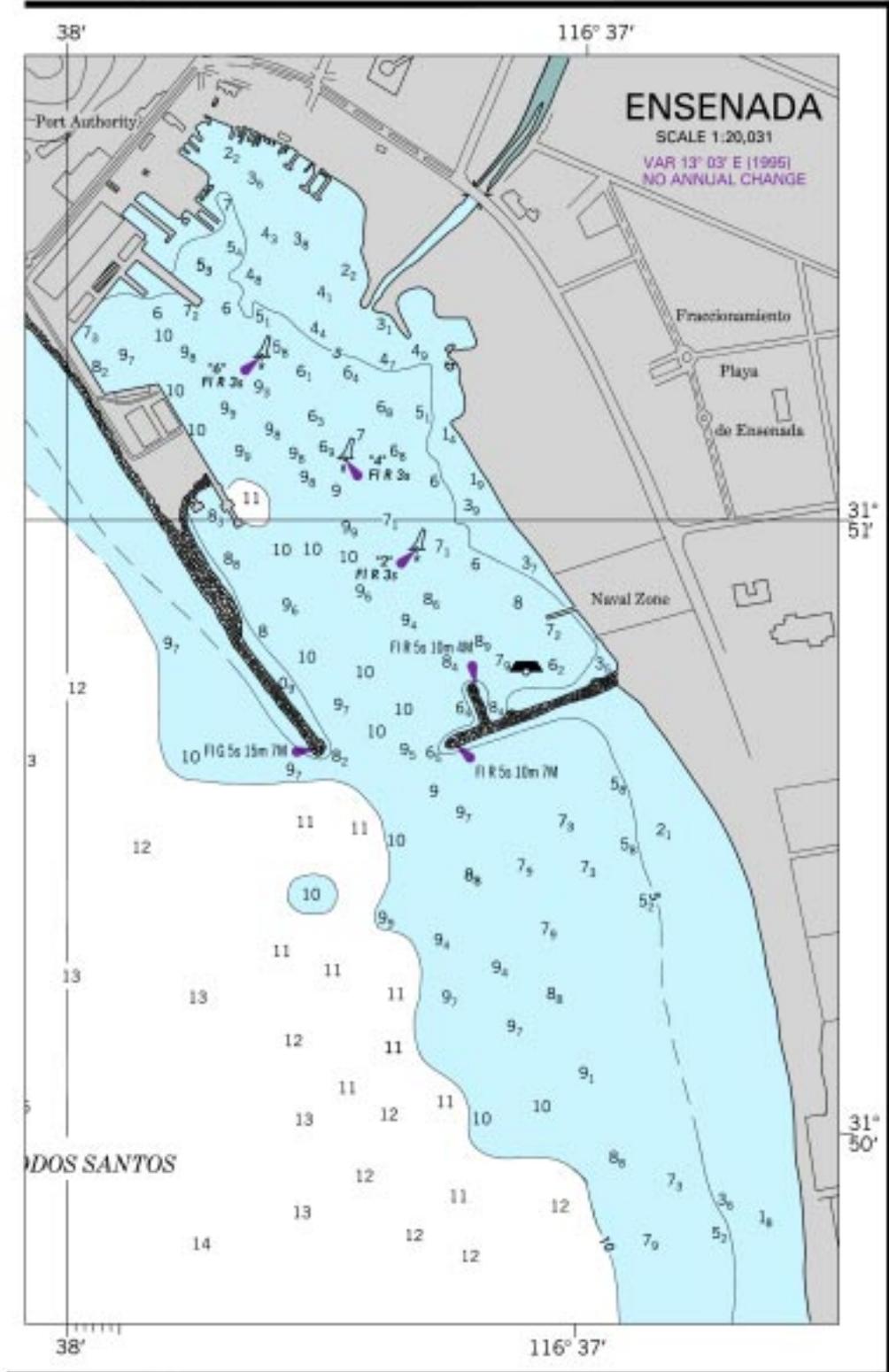
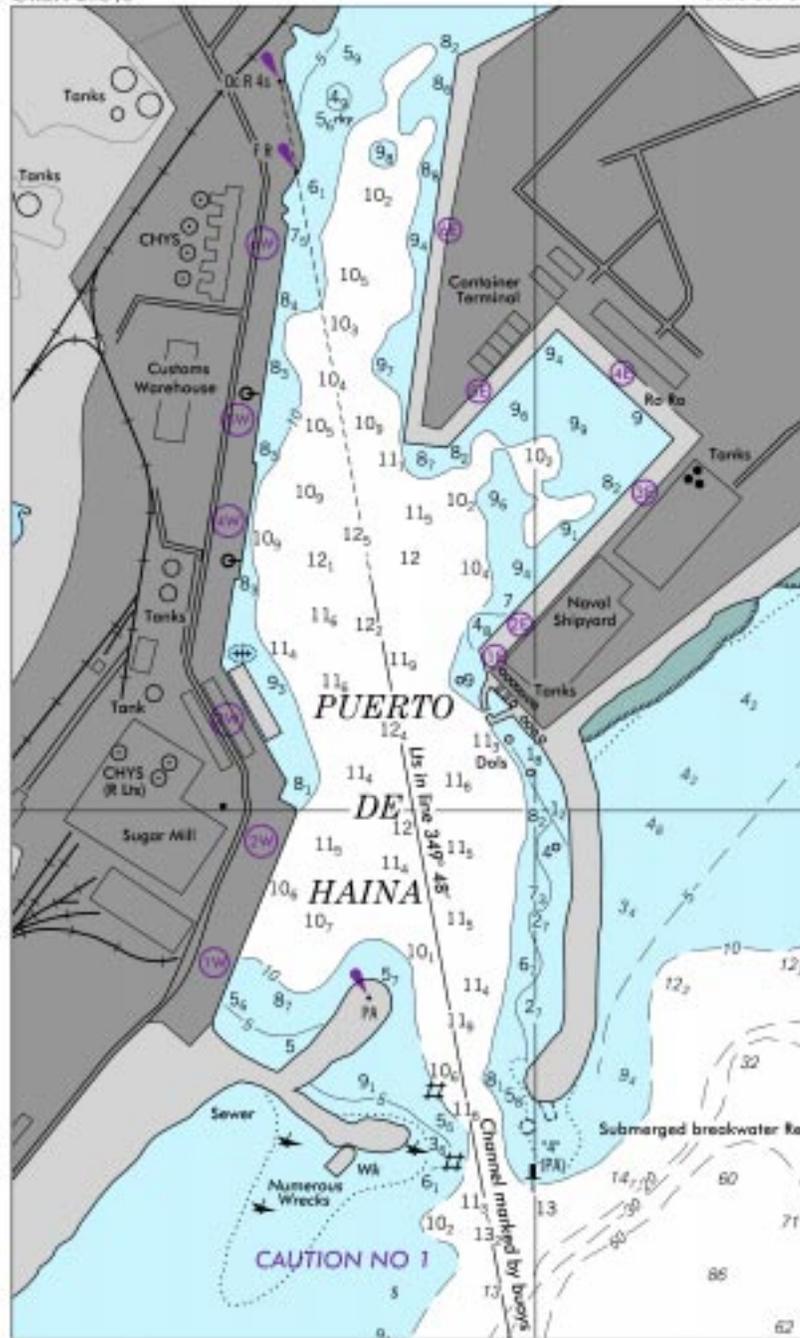


Chart 25848

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SECTION I

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Chart 11475

NM 13/03

FORT PIERCE HARBOR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2002							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT PIERCE INLET							
ENTRANCE RANGE	26.5	24.5	22.6	9-02	250-400	2.4	28
INNER RANGE	19.4	24.4	22.6	9-02	250-385	1.2	28
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11524

NM 13/03

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- REPORT OF NOV 2000 AND SURVEYS TO 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)
FORT SUMTER RANGE	44.9	47.5	47.4	45.6	5-02	1000	9.0	47
MOUNT PLEASANT RANGE	45.7	46.6	46.9	47.7	11-02	1000-600	1.6	45
REBELLION REACH	47.2	47.8	47.2	47.8	11-02	600	1.4	45
SHUTES-FOLLY REACH	46.2	47.3	47.6	47.6	10-02	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	48.6	46.2	5,11-02	1385	0.2	45
SOUTH CHANNEL	24.4	24.8	24.5	A24.3	10-96	600-1000	3.1	45
HOG ISLAND REACH	46.7	47.3	43.2	39.2	11-02	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	34.6	38.9	39.0	35.9	11-02	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;5-02	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	VARIES	0.74	35
RANGE C	20.6	26.1	38.3	36.1	7,8-98;12-99;1-00	VARIES	0.76	35
RANGE D	30.2	37.4	37.8	37.1	2-00	VARIES	0.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	0.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	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								

SECTION I

NM 13/03

Chart 12222

NM 13/03

NORFOLK HARBOR AND APPROACHES TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 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)
THIMBLE SHOAL CHANNEL (A)								
NORTH ELEMENT (B)	47.6	46.5	45.6	44.1	6,7,9-00	350	13.0	55
SOUTH ELEMENT (C)	49.7	50.0	49.7	50.3	6,7,9-00	650	13.0	55
NORTH AUXILIARY CHANNEL (D)						450		32
SOUTH AUXILIARY CHANNEL (D)						450		32
NORFOLK HARBOR								
ENTRANCE REACH	50.3	51.5	52.9	52.0	4-99	1000	1.4	50
NORFOLK HARBOR REACH	51.3	50.8	45.6	45.4	9,10-02	1250-800	3.8	55
CRANEY ISLAND REACH	48.8	51.5	50.8	46.1	9,10-02	800	2.1	55
LAMBERTS BEND	38.9	45.8	40.0	37.5	3-02	750	0.3	45
PORT NORFOLK REACH	38.0	40.0	40.3	38.6	3-02	750	2.0	45
NEWPORT NEWS CHANNEL	48.7	50.1	50.6	50.3	5,6-02	800	4.2	55
CAPE HENRY CHANNEL	47.9	48.8	49.0	48.5	2,3,6-00	1000	1.4	50
YORK SPIT CHANNEL	38.5	49.5	50.1	45.9	11,12-99;2,3-00	1000(E)	18.4	50
A. THIS CHANNEL IS RESTRICTED TO EXCLUDE VESSELS AND TOWS DRAWING LESS THAN 25 FEET. B. PORTION OF PROJECT MAINTAINED TO 45 FEET C. PORTION OF PROJECT MAINTAINED TO 50 FEET D. PROJECT MAINTENANCE DISCONTINUED E. CHANNEL WIDTH MAINTAINED TO 800 FEET NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 12245

NM 13/03

NORFOLK HARBOR AND NEWPORT NEWS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 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)
NORFOLK HARBOR ENTRANCE REACH	50.3	51.5	52.9	52.0	4-99	1000	1.4	50
NORFOLK HARBOR REACH	51.3	50.8	45.6	45.4	9,10-02	1250-800	3.8	55
CRANEY ISLAND REACH	48.8	51.5	50.8	46.1	9,10-02	800	2.1	55
NEWPORT NEWS CHANNEL	48.7	50.1	50.6	50.3	5,6-02	800	4.2	55
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 12253

NM 13/03

ELIZABETH RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 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)
CRANEY ISLAND REACH	48.8	51.5	50.8	46.1	9,10-02	800	2.1	55
LAMBERTS BEND	38.9	45.8	40.0	37.5	3-02	750	0.3	45
PORT NORFOLK REACH	38.0	40.0	40.3	38.6	3-02	750	2.0	45
TOWN POINT REACH	39.3	39.1	40.2	38.8	3-02	750	0.6	45
SOUTHERN BRANCH:								
LOWER REACH	36.8	40.3	40.5	38.4	3-02	450-800	1.7	45
MIDDLE REACH	38.9	40.8	40.5	38.0	3-02	375	0.9	45
UPPER REACH	33.1	34.8	35.4	31.1	3-02	250-500	2.7	35
TURNING BASIN	34.7	35.7	35.0	33.4	3-02	600	0.1	35
THENCE TO A POINT 100 YARDS SOUTH OF LIGHT "30"	27.1	29.8	30.5	28.8	3-02	250	1.1	35
TURNING BASIN AT MAINS CREEK	28.4	30.4	29.0	28.3	3-02	800	0.2	35
THENCE TO A POINT 100 YARDS NORTH OF N & P B L RR BRIDGE	25.5	29.8	29.2	26.7	3-02	250	0.2	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 13/03

Chart 12327

NM 13/03

ARTHUR KILL, KILL VAN KULL, NEWARK BAY, PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- REPORT OF DEC 2002 AND SURVEYS TO JUL 2002			
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			
NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
ARTHUR KILL (OUTERBRIDGE REACH TO N. OF SHOOTERS I. REACH)	A22.1	800-500	9-01; 3-02
KILL VAN KULL (CONSTABLE HOOK REACH TO BERGEN PT. WEST REACH)	36.3	2000-800	10-01; 4-02
S. OF SHOOTERS I. REACH	B5.0	400	8-90
NEWARK BAY (NEWARK BAY S. REACH TO DROYERS PT. REACH)	C18.7	1750-300	12-01
PASSAIC RIVER (KEARNY PT. REACH TO ARLINGTON REACH)	D0.4	300-200	7-02
HACKENSACK RIVER (DROYERS PT. REACH TO TURNING BASIN)	14.9	300-800	12-01

A. A DEPTH OF 34.1 FEET WAS AVAILABLE IN THE MIDDLE HALF.
 B. OBSTRUCTIONS INTERSPERSED IN THE TWO RIGHT QUARTERS.
 THERE IS A MINIMUM DEPTH OF 5.9 FEET OVER WRECKAGE.
 C. A DEPTH OF 21.9 FEET WAS AVAILABLE IN THE MIDDLE HALF,
 EXCEPT FOR SHOALING TO 8.4 FT AT 40° 42' 11.4" N 74° 06' 56.1" W.
 D. A DEPTH OF 4.6 FEET WAS AVAILABLE IN THE MIDDLE HALF.

NOTE 1. SEE LARGE SCALE CHARTS FOR MORE DETAIL OF REACHES.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS
 SUBSEQUENT TO THE ABOVE

Chart 12327

NM 13/03

NEW YORK HARBOR - LOWER BAY - CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2003 AND SURVEYS TO DEC 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT	LEFT	RIGHT	RIGHT	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
	OUTSIDE QUARTER	INSIDE QUARTER	INSIDE QUARTER	OUTSIDE QUARTER				
AMBROSE CHANNEL	40.3	44.7	44.9	28.4	9-95	2000	9.2	45
SANDY HOOK CHANNEL (EAST)	38.9	40.7	37.9	31.8	6,7-02	A800-2200	3.5	A35
SANDY HOOK CHANNEL	24.9	38.6	37.3	32.9	6,7-02	800	2.4	35
CHAPEL HILL:								
SOUTH CHANNEL	28.5	29.5	30.1	27.7	10-02	1000	2.7	30
NORTH CHANNEL	28.7	29.1	29.0	27.9	10-02	1000	1.8	30
TERMINAL CHANNEL	44.2	45.7	46.0	44.0	2-97	400	0.8	35
KEYPORT HARBOR CHANNEL	5.0	6.7	6.5	5.8	5-02	100-200	0.9	8
RARITAN BAY EAST REACH	33.3	37.2	35.5	33.1	4-01	600	4.0	35
RARITAN BAY WEST REACH	33.4	39.1	39.2	33.9	4,9-01	600	2.4	35
SEGUINE POINT BEND	28.5	35.1	38.4	29.7	9-01	600-800	1.2	35
RED BANK REACH	34.0	40.3	40.5	34.2	9-01	600	1.2	35
WARD POINT BEND (EAST)	31.5	38.7	36.9	27.6	9,12-01	600-800	1.1	35
WARD POINT BEND (WEST)	35.0	35.0	35.0	33.8	9,12-01	600-800	0.8	35
RARITAN RIVER CUT OFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	21.3	21.0	20.9	20.6	12-02	400	0.9	30
GREAT BEDS REACH	24.6	25.7	25.3	25.2	6-01	300	0.6	25
SOUTH AMBOY REACH	24.4	23.1	22.8	23.6	6-01	300	1.2	25

A. THE NAVAL FACILITIES ENGINEERING COMMAND MAINTAINS A 45 FOOT PROJECT FOR A
 WIDTH OF 600 FEET IN SANDY HOOK (EAST) TO THE TURNING BASIN.

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

SECTION I

Chart 12331

NM 13/03

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2003 AND SURVEYS TO DEC 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
RARITAN BAY WEST REACH	33.4	39.1	39.2	33.9	4,9-01	600	2.4	35
SEGUINE POINT BEND	28.5	35.1	38.4	29.7	9-01	600-800	1.2	35
RED BANK REACH	34.0	40.3	40.5	34.2	9-01	600	1.2	35
WARD POINT BEND (EAST)	31.5	38.7	36.9	27.6	9,12-01	600-800	1.1	35
WARD POINT BEND (WEST)	35.0	35.0	35.0	33.8	9,12-01	600-800	0.8	35
OUTERBRIDGE REACH	34.4	34.7	35.9	35.9	9-01; 3-02	600-800	0.8	35
PORT SOCONY REACH	31.9	35.0	35.6	33.4	3-02	600-800	0.8	35
PORT READING REACH	22.1	35.0	35.2	27.7	3-02	500	1.8	35
FRESH KILLS REACH	29.0	35.2	36.5	33.9	3-02	500	1.8	35
RARITAN RIVER CUTOFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	21.3	21.0	20.9	20.6	12-02	400	0.9	30
GREAT BEDS REACH	24.6	25.7	25.3	25.2	6-01	300	0.6	25
SOUTH AMBOY REACH	24.4	23.1	22.8	23.6	6-01	300	1.2	25

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

Chart 12332

NM 13/03

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2003 AND SURVEYS TO DEC 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
WARD POINT BEND (EAST)	31.5	38.7	36.9	27.6	9,12-01	600-800	1.1	35
WARD POINT BEND (WEST)	35.0	35.0	35.0	33.8	9,12-01	600-800	1.3	35
OUTERBRIDGE REACH	34.4	34.7	35.9	35.9	9-01; 3-02	600	1.6	35
RARITAN RIVER CUTOFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	21.3	21.0	20.9	20.6	12-02	400	0.9	30
GREAT BEDS REACH	24.6	25.7	25.3	25.2	6-01	300	0.6	25
SOUTH AMBOY REACH	24.4	23.1	22.8	23.6	6-01	300	1.2	25
SANDY POINT REACH	22.2	22.0	18.6	23.8	6-01	300	0.9	25
KEASBEY REACH	16.3	19.8	23.2	20.7	6-01	300	0.9	25
RED ROOT REACH	13.5	16.7	17.6	14.6	6-01	300	1.5	25
CRAB ISLAND REACH	A15.0	A14.5	A14.5	12.5	9-88	200	1.2	15
NORTHWEST REACH	6.0	7.5	7.5	12.2	7-62	200	1.2	15
TITANIUM REACH	4.1	4.0	1.9	1.6	6-01	300	0.6	25
SOUTH CHANNEL	C2.0	D4.2	B4.2	B2.1	7-62; 3,4-90	150	0.7	15-10

A. SHOALS LOCATED APPROXIMATELY 40°29'01.0"N, 74°21'16.0"W TO 400 YARDS SOUTH; A DEPTH OF 13 FEET FOR A WIDTH OF 200 FEET WAS AVAILABLE TO THE WEST OF THE PROJECT CHANNEL.
 B. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'34.4"N, 74°19'03.0"W.
 C. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'35.4"N, 74°19'04.5"W.
 D. POSSIBLE 4 FT OBSTRUCTION LOCATED IN 40°29'37.4"N, 74°19'04.0"W.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 13/03

Chart 12337

NM 13/03

NEWARK BAY, PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2002 AND SURVEYS TO JUL 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)
NEWARK BAY MIDDLE REACH	35.0	39.4	36.0	31.4	12-01	1750-500	1.4	40
NEWARK BAY NORTH REACH	33.3	33.7	21.9	A18.7	12-01	900-500	1.1	35
TURNING BASIN	23.8	24.9	21.9	A18.7	12-01	900	0.26	35
PASSAIC RIVER:								
KEARNY PT REACH	15.7	18.2	17.2	13.4	7-02	300	1.1	30
POINT NO POINT REACH	2.1	7.2	14.6	9.0	7-02	300	1.1	30
HARRISON REACH	B2.9	4.6	5.5	1.2	7-02	300	1.9	20
NEWARK REACH	0.7	9.5	11.0	C0.7	7-02	300	1.3	20
KEARNY REACH	3.4	8.3	7.9	D0.4	7-02	300	0.9	20
ARLINGTON REACH	2.7	10.9	9.7	E3.1	7-02	200	0.9	16
BELLEVILLE REACH	0.1	0.4	8.0	9.9	6-92 H	150	1.4	10
NUTLEY REACH	2.6	9.2	7.4	3.5	11-89 H	150	1.7	10
RUTHERFORD REACH	1.7	5.1	3.8	3.7	11-89 H	150	2.2	10
WALLINGTON REACH	F2.2	1.5	1.9	G1.1	11-89 H	150	0.9	10
HACKENSACK RIVER:								
DROYERS POINT REACH	25.4	28.7	25.5	18.9	12-01	300-400	1.5	30
MARION REACH	28.7	29.3	25.9	22.1	12-01	300	1.8	30
TURNING BASIN	14.9	23.5	28.4	23.4	12-01	300-800	0.2	25
PORT NEWARK CHANNEL:								
BRANCH CHANNEL	33.0	35.7	33.5	33.2	1,2-01	1050-400	0.4	40
INSHORE CHANNEL	36.3	34.6	30.1	28.7	1,2-01	400	1.1	35
PIERHEAD CHANNEL	33.8	35.6	35.0	33.4	1,2-01	300	0.7	40

A. EXCEPT FOR A SHOAL TO 7.7 FT AT 40° 42' 11.4" N 74° 06' 56.1" W ALONG THE RIGHT OUTSIDE QUARTER OF THE REACH.
 B. EXCEPT FOR SHOALS, BARE AT M.L.L.W., FROM 40° 44' 26" N 74° 08' 18" W TO 40° 44' 23" N 74° 08' 26" W
 C. EXCEPT FOR SHOALS, BARE AT M.L.L.W., FROM 40° 44' 03" N 74° 09' 24" W TO 40° 44' 04" N 74° 09' 31" W AND
 40° 44' 07" N 74° 09' 36" W TO 40° 44' 09" N 74° 09' 39" W
 D. EXCEPT FOR A SHOAL TO BARE FROM 40° 45' 06.0" N 74° 09' 52.0" W TO 40° 45' 12.0" N 74° 09' 51.0 W AND
 40° 45' 38" N 74° 09' 43" W TO 40° 45' 31" N 74° 09' 47" W
 E. EXCEPT FOR A SHOAL TO BARE FROM 40° 45' 56" N 74° 09' 27" W TO 40° 45' 59" N 74° 09' 25" W
 F. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE LEFT OUTSIDE QUARTER ABOUT 370 YARDS DOWNSTREAM OF THE
 EIGHTH STREET BRIDGE.
 G. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE RIGHT OUTSIDE QUARTER ABOUT 300 YARDS NORTH OF THE MAIN ST.
 BRIDGE AND SHOALING TO 0.3 FEET 175 FEET WEST OF THE SECOND ST. BRIDGE.
 H. THE CORPS OF ENGINEERS HAS CONFIRMED THAT THIS REACH IS NOT ACTIVELY MAINTAINED.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12371

NM 13/03

NEW HAVEN HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 2001 AND SURVEYS TO OCT 2000								
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)
ENTRANCE CHANNEL	35.9	35.6	35.7	35.0	10-00	500	1.1	35
LIGHTHOUSE POINT REACH	32.8	34.4	34.1	31.4	10-00	400-500	2.9	35
NEW HAVEN REACH	29.3	30.7	29.6	29.7	10-00	800-500	1.0	35
EAST HAVEN REACH	13.2	16.6	15.0	17.0	1,6-83	500-100	0.1	22
QUINNIPIAC RIVER								
FERRY ST. BRIDGE REACH	A14.7	16.0	16.4	13.8	12-93	200	0.6	B 18
GRAND AVE. BRIDGE REACH	11.5	12.7	12.8	11.8	12-93	C 200	0.5	22-16
MILL RIVER								
ENTRANCE CHANNEL	8.1	D 6.5	E 9.9	7.1	10-00	200	0.3	12
EAST FORK	F 6.2	F 6.1	G 6.1	H 7.9	10-00	100	0.2	12
WEST FORK	2.6	5.3	4.9	4.9	10-00	125	0.3	12

A. EXCEPT SHOALING TO 12.7 FEET ON NORTH LIMITS OF CHANNEL.
 B. THE MAINTAINED DEPTH IS 16 FEET.
 C. THE PROJECT WIDTH IS 200-400 FEET AND THE MAINTAINED WIDTH IS 200 FEET.
 D. EXCEPT SHOALING TO 5.5 FEET WITHIN 25 FEET OF CHAPEL ST. BRIDGE FENDER.
 E. EXCEPT SHOALING TO 9.2 FEET WITHIN 10 FEET OF CHAPEL ST. BRIDGE FENDER.
 F. EXCEPT SHOALING TO 2.2 FEET IN LAST 430 FEET OF REACH.
 G. EXCEPT SHOALING TO 0.6 FEET IN LAST 430 FEET OF REACH.
 H. EXCEPT SHOALING TO 0.5 FEET IN LAST 430 FEET OF REACH.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 13/03

Chart 12378 (Left Panel)

NM 13/03

CONNECTICUT RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2002 AND SURVEYS TO JAN 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
MOUSE ISLAND BAR CHANNEL	16.2	13.9	12.4	1-03	150	0.7	15
PORTLAND BAR CHANNEL	11.9	11.7	13.0	1-03	150	0.3	15
CROMWELL BAR CHANNEL	14.2	13.5	12.5	1-03	150	0.6	15
GILDERSLEEVE ISLAND SHOAL CHANNEL	14.0	13.9	15.1	1-03	150	0.9	15
PISTOL POINT BAR CHANNEL	8.1	9.1	8.1	9-02,1-03	150	0.9	15
BROWNSTONE BAR CHANNEL	15.0	13.7	13.1	9-89	150	0.9	15
DIVIDEND BAR CHANNEL	7.7	7.8	8.1	7-98	150	0.6	15
GLASTONBURY-TWO PIERS BAR CHANNEL	11.6	12.1	12.6	4-86	150	1.2	15
GLASTONBURY UPPER BAR CHANNEL	12.3	12.2	12.0	4-86	150	0.9	15
PRESS BARN BAR CHANNEL	14.1	13.2	12.6	9-89	150	0.1	15
NAUBUC BAR CHANNEL	15.0	15.0	13.6	11-82	150	0.5	15
CYS HOLLOW BAR CHANNEL	15.0	15.0	13.9	9-89	150	0.5	15
WETHERSFIELD SHOAL CHANNEL	11.8	12.2	12.8	9-89	150	0.4	15
CLAY BANKS BAR CHANNEL	12.3	12.9	12.9	1,2,3-91	150	1.6	15
HARTFORD BAR CHANNEL	9.7	10.2	13.5	10-89	150	0.4	15

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

Chart 12401

NM 13/03

NEW YORK HARBOR-LOWER BAY-CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2002 AND SURVEYS TO OCT 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)	DEPTH MLLW (FEET)
AMBROSE CHANNEL	40.3	44.7	44.9	28.4	9-95	2000	9.2 45
SANDY HOOK CHANNEL (EAST)	38.9	40.7	37.9	31.8	6,7-02	A800-2200	3.5 A35
SANDY HOOK CHANNEL	24.9	38.6	37.3	32.9	6,7-02	800	2.4 35
CHAPEL HILL:							
SOUTH CHANNEL	28.5	29.5	30.1	27.7	10-02	1000	2.7 30
TERMINAL CHANNEL	44.2	45.7	46.0	44.0	2-97	400	0.8 35
RARITAN BAY EAST REACH	33.3	37.2	35.5	33.1	4-01	600	4.0 35
RARITAN BAY WEST REACH	33.4	39.1	39.2	33.9	4,9-01	600	2.4 35

A. THE NAVAL FACILITIES ENGINEERING COMMAND MAINTAINS A 45 FOOT PROJECT FOR A WIDTH OF 600 FEET IN SANDY HOOK (EAST) TO THE TURNING BASIN.

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

Chart 12402

NM 13/03

NEW YORK HARBOR-LOWER BAY-CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2002 AND SURVEYS TO OCT 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)	DEPTH MLLW (FEET)
AMBROSE CHANNEL	40.3	44.7	44.9	28.4	9-95	2000	9.2 45
CHAPEL HILL:							
SOUTH CHANNEL	28.5	29.5	30.1	27.7	10-02	1000	2.7 30
NORTH CHANNEL	28.7	29.1	29.0	27.9	10-02	1000	1.8 30

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

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 13/03

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.
12288	19	27/02	13260	38	28*,36,43,48,49,50/02;1,7,9/03	14341	5	12/03	14932	22	32/02;9/03
12289	48	10/03*	13263	7	N20,N21,N25,N27,N36,N43,N48,N49/02;N1,N7,N9/03	14342	20	52/02	14933	24	35*,37/02
12300	42	17,18,19,28,29,37,39,42,45/02;5/03	13264	103	21,36,49/02;9/03	14344	2	37,40/02	14934	26	2/03
12301	21	N20*,N28,N29,N37,N39,N42,N45/02;N5/03	13267	30	17,19,27,52/02;1,7,9/03	14345	5	37,40/02;12/03	14935	21	17/02
12304	42	28*,42,52/02	13270	59	17,19,33,34,40,43/02;1,2,7,12/03	14349	7	16/02	14937	24	52/02*;2/03
12311	41	15,18,28,31,42,50,52/02;8/03	13272	47	19,28,40/02;8/03	14357		N52/02	14942	25	35/02
12312	52	10/03*	13274	24	17,19,27,45,52/02;1,2/03	14358		N17,N36/02	14963	20	51/02
12313	48	18,21,27,31,33,43,52/02	13275	27	17,19,27,45,52/02;1,2,7/03	14360	36	16,26,33,36/02	14965	21	11/03*
12314	30	46*,50/02;5/03	13276	21	19,27,52/02	14386	3	36/02	14966	24	5/03
12316	29	2*,6/03	13278	25	1,9/03	14415	4	33/02	14967	22	5/03
12317	31	15*,26,37,50/02	13279	29	1/03	14500	27	52/02*	14970	25	40,46,51/02
12318	41	9/03*	13282	10	12/03	14769		N31/02*	14972	25	21/02
12323	23	19,40/02;4/03	13283	18	1,9/03	14772	17	15/02	14974	24	32/02
12324	30	2*,8/03	13286	29	39*,40,50/02;1,9/03	14773	16	15,19/02	14975	33	52/02*
12326	48	17,18,27,28/02;4,8/03	13288	40	15*,20,23,29,36,43,50,51/02	14775		N31/02*	14984	9	18/02*
12327	96	1*,2,8,12,13/03	13290	34	20,36,40,43,50,51/02;7/03	14776		N31/02*	14995	11	52/02*
12331	30	8*,13/03	13292	36	20*,36,40/02;7/03	14777		N31/02*	15562		N41/02
12332	21	15,22,43,46/02;13/03	13293	33	26*,29,43,51/02	14782	24	21,22/02	15744		N30/02
12333	32	46*,47/02;5,12/03	13295	11	2/03*	14785	16	22/02	15880		N41/02
12334	65	10*,12/03	13296	25	43/02	14786	13	24/02	15954		N47/02*
12335	39	1,8/03	13298	10	43,52/02	14800	9	19,23/02	16003	16	18/02*;13/03
12337	22	15,20,28,31,45/02;13/03	13301	20	25,33,51/02	14803	26	5/03	16004	11	13/03
12341	25	22/02*	13302	21	20,25,41/02;2,7,9/03	14804	24	20/02*;5/03	16006	33	6/03
12343	18	37/02*;7/03	13303	12	48/02*;7,9/03	14810	4	19/02	16011	35	38/02;8/03
12345	10	42/02*	13305	28	25,40,41,49/02;2,7,9/03	14812	3	19/02	16012	21	38/02
12347	29	25/02	13308	11	40/02	14813	21	2/03*	16013	28	17,22,29,52/02
12348	33	25/02	13309	28	42/02*;9/03	14816	23	5/03	16042	7	39/02*
12350	57	39*,49/02	13312	21	10/03*	14820	19	11/03*	16061	8	19*,27,37,49/02;13/03
12352	29	34/02	13313	19	21,25,41,49,52/02;6,9/03	14822	31	10/03*	16300	8	52/02;3,8/03
12354	39	22,28,33,37,45/02;2,6,7,10/03	13315	11	19*,49/02	14823	30	1/03*	16305	9	8/03
12358	19	46*,49/02;1,7,10/03	13318	18	38*,41,52/02;5,6/03	14824	25	24/02	16322	7	8/03
12362	16	49/02	13322	9	19/02*	14826	27	4/03*	16363	12	38/02*
12363	39	18,28,44/02;6/03	13323	7	5/03	14829	5	21/02	16380	13	17/02
12364	33	20*,22,28,44,47,49,51/02;4,6/03	13324	13	41,52/02;2/03	14830	29	18,23,39,51/02;2/03	16381	8	8/03
12365	26	18/02;6/03	13325	14	2/03	14832	34	52/02*	16382	10	17/02
12366	27	51/02	13326	12	41,43/02	14833	25	20,26/02	16435	5	27/02
12367	23	18/02	13327	12	41,43/02	14835	31	39/02	16440	13	37/02
12368	26	42/02*	13329	2	6/03	14836	27	42/02*	16441	7	37/02
12369	25	31*,44/02	13392	3	39/02*;9/03	14837	27	26/02*;3/03	16442	6	37/02
12370	18	39/02*	13394	4	9/03	14838	3	52/02*	16448	10	38/02
12371	22	28,47/02;6,13/03	13396	4	9/03	14839	36	9/03*	16500	9	9/03
12372	31	45*,47,48/02;2,5,6/03	13398	3	19*,36/02	14842	12	18,23,39/02;2,4/03	16520	21	2/03
12373	14	2/03	14002	57	21/02	14843	22	23,39,51/02	16521	5	27/02
12375	21	22/02	14003	6	16,25,48,49/02;5,9,12/03	14844	31	18/02;4/03	16528	16	9/03
12377	14	22,25,37/02	14008	76	21/02	14845	26	18/02;4/03	16529	14	50/02;9/03
12378	14	2,13/03	14010	5	21,35/02	14846	11	18,23,24,39,40/02;2/03	16530	6	50/02
12401	7	31*,47/02;2,13/03	14018	6	16/02	14847	30	24,40/02	16531	7	18/02*
12402	8	31*,33,47/02;13/03	14024	5	33,36,39/02;12/03	14848	56	23,24,31/02;9/03	16535	12	2/03
13000		N21,N25,N48,N49/02	14040	65	40/02	14850	51	21*,23/02;7/03	16549	14	4/03
13003	46	9*,12/03	14044	44	6/03	14852	44	20,23,25,26,37/02;7/03	16556	4	8/03*
13006	30	39*,44,48,49,50/02;1,5,9/03	14061	27	6,9/03	14853	13	21*,23,24,25,26,31,37/02;7,9/03	16560	10	17/02
13009	30	42*,48,49/02;1,9/03	14066	19	6/03	14854	13	24/02	16568	12	39/02*
13200	33	25,37,48/02;7,9/03	14067	11	6/03	14860	35	21,24/02	16575	3	42/02;6/03
13201	10	N25,N37,N48/02;N9/03	14083	30	33/02	14862	28	26/02*	16580	11	39/02
13203	12	37/02	14087	58	33/02	14863	30	24/02	16590	10	38/02*
13205	36	37,42,45,48/02;1,5/03	14088	10	41/02*	14864	26	24,37/02	16594	13	2/03
13209	23	37/02	14089	29	41/02*	14865	16	4/03	16595	14	2/03
13211	13	21,23,47/02	14090	2	33/02	14867	25	32/02	16596	12	39/02*
13212	35	9*,13/03	14091	6	41/02*	14871	2	21/02	16597	8	16,43/02
13213	39	45/02;6/03	14144	29	21/02	14872	3	21/02	16598	9	43/02
13214	27	34*,45,48/02;5/03	14151	2	37/02	14873	2	35/02	16599	6	16,43/02
13215	17	45,48/02;1,5/03	14180	38	21/02	14880	30	33/02;4/03	16603	7	42/02;6/03
13216	1	N48/02	14203	12	19/02	14881	31	28*,33/02	16604	11	22/02*
13218	38	29,42,45,51/02;5/03	14204	21	19/02	14883	42	17,23/02	16606	11	37/02*
13221	53	15,29,44,51/02;2,5,7/03	14206	20	19/02	14885	20	51/02	16608	3	6/03
13223	36	15,52/02;2/03	14208	28	40/02	14901	14	52/02*;5/03	16646	12	8/03
13224	36	44/02;5/03	14221	16	46/02	14902	28	24,25,31/02;4/03	16660	28	22,25,29,42/02;6/03
13226	5	44/02;6,7/03	14222	18	3/03	14903	22	23,32/02	16662	6	22,29/02
13227	13	7/03	14225	17	38/02	14904	25	17,31,32,46/02	16663	6	22,25,29,42/02;6/03
13228	11	51,52/02	14226	32	40/02;6/03	14905	29	31,35,37/02;5/03	16665	7	22,25,29,42/02;6/03
13229	27	17,39,42,45,52/02;1,7/03	14227	28	40/02;6/03	14906	23	5/03	16680	10	6/03
13230	46	2*,7/03	14228	11	40/02;6/03	14907	25	17/02	16681	10	37/02*
13232	4	39,42/02	14240	6	16,34/02;1/03	14910	22	25,31/02	16682	15	8/03*
13233	16	17/02;10/03	14242	13	34/02	14911	20	4/03	16683	9	3,6/03
13235	5	17/02	14243	8	19,34/02	14916	10	45/02*	16700	27	21*,49,52/02;9/03
13236	29	45/02;1,7/03	14244	5	19/02	14917	23	17/02;3/03	16701	18	21*,52/02;9/03
13237	38	17,42,48/02;7,10/03	14260	47	35/02	14918	26	25/02	16702	10	38,52/02;1,9,13/03
13241	15	21*,34,42/02	14280	37	35/02	14919	27	24/02	16705	19	49/02
13244	39	22*,48/02;7/03	14310	2	52/02;12/03	14922	19	26*,51/02;9/03	16707	10	34,37/02
13246	36	26,27/02;8/03	14340	25	16,17,26,33,37,40,52/02;12/03	14924	27	28*,32/02;5/03	16708	25	37,49/02
13253	18	3*,8/03				14926	9	18,31,32,35,37/02	16709	22	15*,49/02
						14927	24	21*,31,32,35,37/02	16711	2	15/02*
						14928	21	4/03*	16713	2	49/02
						14929	23	18,31,32/02	16741	9	46/02
						14930	24	45/02	16760	10	51/02
						14931	24	35/02*	16762	9	26/02*

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 13/03**

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.
17003	4	47,52/02	18403	21	6/03	18651	41	4,12/03	21017	50	23,41,50/02;4,5,6,9/03
17005	10	41,45,47,52/02	18405	12	43/02	18652	31	18,19,20,23,26,27,30,33,38,41,49/02;4,6,7,12/03	21020	42	23,41/02;5,6,7/03
17008	12	43/02	18415	8	42/02;7/03	18653	9	15,19,36,38,41/02;4,6/03	21021	3	45/02;13/03
17300	30	52/02*	18416	6	P44,48/02	18654	42	28*,38,49/02;12/03	21023	41	34/02;7,8,9/03
17302	18	21*,51/02	18419	11	47/02;12/03	18655	58	19,49/02;12/03	21033	46	20,32/02;1/03
17303	9	15,37/02	18421	45	2/03*	18656	52	19,23,26,27,30/02;4,7/03	21036	7	1/03
17315	23	2/03*	18423	33	1*,5,7,9/03	18657	18	19,26,27,30/02;4/03	21120	27	47,50,51,52/02
17316	20	28/02*;3/03	18424	25	7/03	18658	29	23,26,27/02;4/03	21121	18	47/02
17320	15	15/02;13/03	18427	21	35/02*;7/03	18659	14	26,30,49/02;7/03	21122	5	47/02
17323	10	13/03	18428	9	19/02*	18660	1	30,49/02;7/03	21125	13	51,52/02
17327	20	5/03	18429	9	3/03*	18661	26	23,27,30/02;4,7/03	21126	1	50/02
17330	7	15/02	18430	7	28/02*;6,7/03	18662	20	30/02;7/03	21140	1	45,50/02;12/03
17360	32	44/02;1,6,8,11,12/03	18431	6	2/03*	18663	4	23,27/02;4/03	21141	23	48/02
17379	1	15*,20/02	18432	4	7/03	18666	1	26/02	21160	1	45/02
17382	14	44/02;1,6,8,11,12/03	18433	5	2/03*	18680	30	15/02;6,13/03	21161	19	43,48/02
17383	1	31*,49/02;8/03	18434	4	15,26,P44,48/02;6,9/03	18685	31	25/02;6,12/03	21180	1	2,7/03
17384	7	44/02	18440	26	3/03*	18687	13	8/03*	21182	34	39/02
17385	13	44,48/02;11/03	18441	42	30*,32,39/02;6,7,9/03	18700	21	34,36,37/02;4,6,10,13/03	21200	1	2/03
17400	16	15,36/02;10,12/03	18443	15	17,39/02;6/03	18703	24	36,37/02;4/03	21301	13	3,12/03
17401	10	1/03	18444	15	17,39/02	18704	12	37/02	21342	28	41,44/02
17402	10	46/02*	18445	29	15,17,22,28,32,33,39/02;6,7,9,10/03	18720	31	23,35/02;4,6,10,12/03	21384	3	23/02;6/03
17405	14	12/03	18446	15	6,7,9/03	18721	11	35/02;6,10/03	21401	20	7/03
17409	10	39/02*	18447	26	27,52/02;6,7,10/03	18723	3	6/03	21441	27	34,44/02
17413	2	43,50/02;10/03	18448	32	15,17,33/02;10/03	18725	26	23,35/02;4,6,12/03	21478	3	9/03
17414	3	41/02	18449	17	15,17/02;7/03	18740	39	16,20,23,34,37,45,50/02;5,6,12/03	21510	1	9/03
17416	3	10/03	18450	17	9/03*	18741	18	N25,N45,N50/02;N12/03	21563	3	45/02
17420	26	36,37,42,43,50/02;1,10,12/03	18452	16	17/02	18744	30	37/02	21602	1	28/02
17422	8	52/02*	18453	23	28,38/02;6,7/03	18746	34	20,23,34/02;5,13/03	21603	9	5/03
17425	6	18/02*	18455	2	N17,N22,N39/02	18749	38	16,18,20,23,25,27,40/02;5,6/03	21605	7	19/02
17426	13	37/02;1/03	18457	9	15/02	18751	42	16,20,25,27,40/02;5,6/03	21661	12	6/03
17427	7	16/02	18458	14	17,22,32,39/02;9/03	18754	16	36/02	22004	38	18,20,23,30,32,34,36,39,41,43,52/02
17428	7	5/03	18459	5	N17,N22,N32,N39/02;N9/03	18757	10	13/03	22008	35	18,30,34,36,39,41,43,44,48,52/02;6/03
17429	2	N38/02*	18460	11	2*,6,7/03	18758	6	35/02*	22012	31	16,30,34/02;6/03
17430	10	5/03	18464	22	32/02;7/03	18760	6	N16,N23,N34,N35,N45,N50/02;N6/03	22036	28	18,47/02
17434	11	5/03	18465	35	2/03*	18761	2	N20/02	22050	4	19/02;12/03
17437	8	16/02	18468	17	7/03	18762	15	20/02	22051	18	28/02
17438	12	16,50/02;10/03	18471	8	32/02;7/03	18763	9	20/02	22052	6	28,46/02
17441	7	10/03	18473	7	4/03*	18765	15	18*,25,45,50/02;12/03	22080	3	20,32/02
17443	12	10/03	18474	7	45/02*;7,10/03	18766	7	25,45,50/02;12/03	22082	4	17,19/02;13/03
17445	2	16/02;10/03	18476	4	17,22,32,39/02;7,9/03	18767	4	N25,N45,N50/02;N12/03	22083	5	19/02
17446		N10/03	18477	5	7/03	18769	2	N20/02	22084	4	42/02
17460		N5/03	18480	29	2*,6,7/03	18772	46	20,25,50/02;12/03	22090	2	30,32,43/02;4/03
17465	4	6,12/03	18484	10	28,40/02	18773	38	18,20,23,25,50/02;10,12,13/03	22100	3	20,32/02;12/03
17471		N15/02;N6/03	18485	15	2*,10/03	18774	10	35/02*;10/03	22101	19	16,20,32,43/02
17472	4	5/03	18500	28	19*,22,32,39/02;12/03	18775	2	N20/02	22111	4	32/02
17480	4	15,43/02;5,10/03	18502	84	30*,32,39,42,49/02;9/03	19002	9	N23,N25,N37,N51/02	22112	3	23,25,30,32,43/02
17482		N7/03	18504	64	18,52/02;12/03	19004	36	23,25,35,37,51/02	22113	8	23,25,30/02;12/03
17485	4	16/02	18520	24	33,39/02	19007	16	51/02	22114	5	16,32,42,43/02
17489	19	43/02	18521	69	34*,39,49/02;4,10,12/03	19010	17	45*,51/02	22120	3	18,23,30,34,36,39,41,43,52/02
17495	2	43/02	18523	53	15,25,26,33/02;4,12/03	19013	16	25,51/02	22125	1	18,36/02
17503	4	43/02	18524	33	18*,26,28,31,33/02;4,6,10/03	19320	16	23,27,35,37,51/02;5/03	22126	1	36/02
17513		N42,N43/02	18525	33	15,28,31,33/02;4,9/03	19322	24	27,35/02;5/03	22130	2	44/02
17515	7	6/03	18526	55	15,16,28,31,33/02;4/03	19327	10	23/02	22138	2	18,41,44,48/02;6/03
17517	8	6/03	18527	21	16,31/02	19339	1	N25,N35,N49,N51/02;N5,N13/03	22140	2	30,34,36,44/02
17518	7	P44,48/02	18528	10	52/02*	19340	26	25,35,49,51/02;5,13/03	22142	2	39,41,43/02
17520	2	N6/03	18529	20	26,31,34/02;9,10/03	19347	17	25/02	22143	3	17,41,52/02
17524		N12/03	18541	8	21/02*	19350	11	27/02	22145	2	N41/02
17528		N43/02;N6,N12/03	18548	5	8/03*	19351	9	25/02	22160	2	30,34,39,41,48,52/02
17541	3	43/02	18558	37	19*,39/02	19355	9	42*,49,51/02;5,13/03	22170	3	30,39/02;6/03
17542	6	47/02	18561	11	33,39/02;10/03	19357	22	28/02*	22172	8	48/02*;4,6/03
17543	17	41/02	18580	21	26,33,38,39/02	19358	20	12/03	22173	36	48/02*;6/03
17545	13	43,47/02	18581	17	49/02*;4/03	19359	10	12/03	22180	2	30,34/02
17546	22	42,43,47/02	18583	38	31,33,42,49/02;12/03	19360	1	N37,N51/02	22181	16	17,27,39,41/02
17549	6	47/02	18584	47	30,39,49/02;4,6/03	19362	12	49/02	22182	6	30,34/02
17550	4	15,42,43,P44,45,47,48,52/02	18587	68	25,30,33,39,42/02;4,6,9,10/03	19366	36	31,49/02;5/03	22183	3	20/02
18000	8	45/02;6,10/03	18588	36	32,33,49/02	19367	37	22,31,49/02;10/03	22190	2	30/02
18002	6	N45/02;N2,N6,N10/03	18600	14	15*,33,37,38,40/02	19369	5	22,31,49/02;10/03	22205	2	16/02;12/03
18003	18	26,33,38,39,40,P44,45,47,48,52/02	18601	13	10/03	19371	1	N25,N51/02;N5,N13/03	22221	20	20/02;12/03
18005	4	N20,N34/02;N6,N10,N13/03	18602	11	26,32,33/02;10/03	19380	14	25,51/02;5,13/03	22222	1	4,12/03
18006	3	N6/03	18603	16	9*,10/03	19381	8	25,49,51/02	22225	2	12/03
18007	31	20,26,33,34,37,38,39,40,47,52/02	18620	23	35/02*	19383	17	49/02;5/03	22233	29	13/03
18008	7	N20,N26,N33,N34,N37,N38,N39,N40,N47,N52/02	18622	52	26,28,49/02	19385	7	20/02*	22250	2	42/02;12/03
18009	2	N34/02;N6,N13/03	18623	11	34/02	19387	9	N25/02	22251	11	12/03
18010	20	33,34,37,38,39,40/02;6,13/03	18626	15	37/02;10/03	19401	8	10/03*	22259	4	20/02
18020	36	20,34,37,45/02;6,10,13/03	18640	24	15,24/02	19402	6	9/03*	22264	2	20,42/02;13/03
18022	33	23,34,37,45/02;6,10,13/03	18643	16	24,49/02	19421	7	8/03*	22275	3	20,42/02;12/03
18400	43	2*,6/03	18645	24	15,19,50/02	19461	7	10/03*	22281	9	12/03
			18647	15	2/03*	19483	6	11/03*	22282	17	19/02;12/03
			18649	62	15,19,20,23,33,36,38,41/02;4,6/03	21005	5	45/02;2/03	22283	3	N19/02;N12/03
			18650	51	28*,33,38,41/02;4/03	21008	62	39,42,43,50/02;1,2/03	22284	7	N10/03
						21011	5	2/03	22290	4	20/02
						21014	72	42,50,52/02;2,3,4/03	22293	15	20/02

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 13/03

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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.
22294	15	12/03	24130	14	24,29/02;5/03	25524	43	33/02;1,5/03	28162	29	28/02
22311	19	8/03	24140	18	32/02	25525	17	1,5/03	28164	17	28/02
22312	2	13/03	24141	4	5/03	25526	2	19,33/02	28190	2	41,43,45,46/02
22313	2	44/02;8/03	24142	43	5,6/03	25527	31	33/02	28196	4	41,43,45/02
22314	1	44/02	24149	1	32/02	25528	5	21,42/02	28197	4	45/02
22331	2	N10/03	24150	27	27,29,30,32/02	25550	2	17,19,24/02	28202	22	41,44/02
22341	9	19,43/02;11/03	24151	4	29,32/02	25563	50	17,33/02	28210	2	33,35,39,41/02
22342	9	19/02	24152	2	30/02	25565	7	33/02	28220	2	35,39/02
22343	1	N19,N43/02;N10,N11/03	24153	6	30/02	25566	27	17/02	28221	18	33,37,39/02;5/03
22344	5	N42/02;N10/03	24156	2	22/02	25567	16	19/02	28223	4	35,39/02
22345	11	42/02	24159	1	27/02	25570	3	19,31/02	28260	30	35,37/02
22347	5	N19/02	24160	21	27,28/02	25575	4	31/02	28263	3	35,37/02
22351	1	N43/02;N12/03	24161	11	27,42/02;7/03	25600	47	24/02	28264	3	35,37/02
22352	6	12/03	24162	9	22,27,42/02;6,7/03	25601	34	17,19,20/02	28265	3	37/02
22361	2	N10/03	24164	6	27/02	25607	4	24,39/02	28281	32	36/02
22373	1	N50/02;N10/03	24170	14	5,6/03	25608	21	17/02	28282	2	35/02
22375		N19/02;N10/03	24171	19	5,6/03	25609	5	30/02	28300	1	23,39,50/02
22377	1	N10,N13/03	24172	4	5,6/03	25613	2	30/02	28302	16	31,33,39,40/02;12/03
22379	1	N50/02;N10/03	24180	15	8/03	25640	40	28/02*	28310	2	23,31,33,35,39/02
22381		N19,N43/02	24211	7	24/02	25641	26	30/02	28320	6	33/02
22395	2	19,42/02	24220	14	27,28/02	25644	12	42/02	28321	36	29/02
22403	1	N45/02	24222	3	27/02	25645	17	15/02*	28323	2	27,29/02
22404	15	46/02	24223	33	18/02	25646	7	N42/02	28325	2	27,29/02;5/03
22406	1	N1/03	24230	20	18,30/02	25649	18	18,30,35/02;4/03	28330	2	27/02
22407	1	N4,N11/03	24233	15	36,43/02	25650	33	22*,30/02	29015	5	22/02
22408	1	N10/03	24234	3	30/02	25653	13	8/03*	29121	5	32/02
22409	4	N45/02;N10/03	24240	5	30,39/02;7/03	25663	27	19/02*	29122	5	32/02
22410	32	43,44,46/02	24250	5	30,39/02;7/03	25668	18	15*,16,48/02;13/03	29142	3	7/03
22413		N45/02	24251	23	24,34,43/02;6/03	25670	41	26,38,48,49/02;4,5,13/03	35000	26	23,24,47,48/02
22417	1	N10/03	24252	5	30,39,43/02;6/03	25673	15	28,42/02	35008	21	45,48,50/02;5/03
22418	2	24,36,44,46/02	24260	5	34/02	25677	19	21,52/02	35009	19	15,40,41,45/02;5,10/03
22420	2	4,11/03	24270	3	24,27/02	25681	15	4/03	35011	2	48/02;1/03
22421	4	N43,N44,N46/02;N11/03	24290	3	36,43/02	25683	17	30,49,52/02;5/03	35016	17	29/02
22423	3	N11/03	24291	4	36/02	25687	11	15,35/02	35031	3	22/02
22425	2	44,46/02	24292	4	36/02	25720	3	33/02	35036	21	17,19,24,30,36/02;10/03
22427	1	N43,N44,N46,N50/02;N11/03	24293	6	32,36/02	25800	3	24,36/02	35040	18	21,45/02;4,8,10/03
			24294	22	36/02	25841	9	24,36/02	35041	8	21,35/02;4/03
22429		N24,N46/02;N10/03	24311	4	27/02	25848	25	5,13/03	35042	9	21,27,44/02;4/03
22433	3	39,47/02;11/03	24312	4	27/02	25849	13	42/02;12/03	35044	9	38/02
22436	2	39/02;10/03	24320	4	27,28,34,43/02;6/03	26001	4	9/03	35047	5	35/02
22471	31	18,44/02	24321	3	6/03	26050	1	34/02	35060	14	18,22,40,41/02;10/03
22481	35	43,44/02	24322	6	28,34/02;6/03	26060	1	49/02	35080	16	18,22,40/02
22482	16	44,50/02	24350	2	31,51/02	26081	8	46/02	35084	15	50/02
22521	3	12/03	24355	2	51/02	26083	14	29/02	35086	5	31/02
22523	3	12/03	24370	1	34/02	26122	29	13/03	35088	2	50/02
22529	3	12/03	24375	2	34/02	26127	21	49/02;5/03	35099	3	41/02
22531	2	12/03	24380	2	35/02	26128	50	49/02;5/03	35100	14	40,45/02;5/03
23000	5	18/02	24388	2	35/02	26129	11	26/02	35101	6	41/02
23010	4	27,38/02	24404	8	21,26,35,44,48/02	26142	10	24,33/02	35103	5	41/02
23023	4	27/02	24405	10	26,35,36,44,48/02	26210	2	24,36/02	35120	13	40,45,47/02;5/03
23030	6	27,38/02	24406	30	20,26/02;2/03	26229	11	17/02	35130	3	48,51/02;5/03
23115	3	27/02	24408	21	36,44,48/02	26230	12	17/02	35135	1	5/03
23121	7	30/02	24410	2	21,44/02	26240	7	23/02;9/03	35136	2	48,51/02
23122	8	23,30,33/02	24430	5	39/02;8,11/03	26244	3	9/03	35141	11	34/02
23123	3	30/02	24431	14	39/02	26245	16	51/02	35143	7	34/02
23124	3	N30/02	24434	4	39/02	26259	2	51/02	35144	3	11/03
23125	4	30/02	24452	7	16,26/02	26260	5	24/02	35150	3	48/02
23126	6	N24/02*	24454	5	5/03	26261	27	8/03	35159	3	25/02
23127	4	N24/02*	24460	4	15,17,39,47/02	26262	3	8/03	35163	7	25,44/02
23128	4	N24/02*	24462	5	15,47/02	26280	7	23/02	35166	4	35/02
23129	2	N24/02*	24463	6	24,39/02;12/03	26308	4	15/02	35167	3	35/02
23131	7	26,31/02;12/03	24465	6	15,23,33,47/02	26309	26	17/02;11/03	35169	2	35/02
23141	7	34/02	24469	1	20,46,47/02;13/03	26320	5	15,24,27,28,29,35/02;7,12/03	35200	7	48,51/02;5/03
23142	10	8/03	24470	4	28,39,47/02				35210	3	29/02
23150	10	20,37,52/02	24471	8	28,47/02	26323	4	1/03	35230	3	29/02
23151	3	12/03	24480	1	17,25,27,41,44,45,49/02	26327	2	N41/02*	35236	2	38,50/02
23152	3	37/02;12/03	24482	2	24,49/02	26328	2	15/02	35246	2	38,43/02
23153	8	20,31/02;12,13/03	24483	2	20,24,49/02	27005	4	6,8,9/03	35247	4	50/02
24000	39	27,29/02	24484	3	24,49/02	27040	5	9/03	35255	3	50/02
24004	36	29,30/02	24490	3	24,31/02	27041	4	50/02	35270	2	38,46/02
24016	53	30,39/02	24491	3	31/02	27080	4	20/02	35276	3	46/02
24020	47	27/02	24492	20	31,46/02	27081	6	49/02	35277	3	38,46/02
24028	6	23,48/02	24501	3	17,27/02	27082	6	18,49,51/02	35279	3	38/02
24050	11	27,31,34,38,49/02	24502	6	46/02	27084	4	13/03	35295	3	27/02
24052	15	31,37,38/02	24504	7	17,41,45,46/02	27100	2	31/02;8/03	35298	7	27/02
24053	16	24/02	24508	2	18,19,41,45,46/02	27120	4	41,43,44/02	35299	9	13/03
24055	6	37,49/02	24509	2	17,45,50/02	27142	5	9/03	35303	7	40/02
24057	4	31,38,49/02	24510	2	17,18,19,41,45,46,50/02	27160	2	8,13/03	35308	5	10/03
24058	2	31,32,37,38/02	24512	3	25,29,44,46/02	27161	4	8,13/03	35310	2	22/02
24060	2	34/02	24513	18	46/02	27163	21	49/02;8/03	35330	2	22,38,41/02
24080	5	29/02	24517	2	18,19,46,49/02	27183	8	1,9/03	35350	2	38,41/02
24091	6	26/02;6/03	25001	7	17,19/02	27186	8	1,9/03	35400	11	30/02
24092	14	26/02;6/03	25400	1	23,26,35,48/02	28004	1	20,23,45/02;8,9/03	35402	3	38/02
24100	5	27,29/02	25480	1	20,42,46/02	28006	1	8/03	35420	13	24,30/02
24101	3	37,41/02	25481	25	26/02	28050	3	28,34/02	35421	14	31/02
24102	3	37,41/02	25485	45	23,26/02	28110	2	15/02*	35423	6	31/02
24110	3	27,29/02	25487	2	23,26/02	28150	3	8/03	35424	3	30/02

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36005	2	15,17,24,27,28,34,36,38,45,46/02;P12/03	37110	11	15,17,18,19,24,27,28,29,47/02	37362	6	17,31,43,48,51/02;1,2,4/03	43373	8	45/02
36010	27	16,19,20,22,24,38/02;5/03	37112	1	47/02	37363	8	48/02;4/03	43374	1	22/02
36015	2	17,24,27,36,46/02	37115	2	15,17,18,19,27,28,29,33,47/02;7/03	37367	1	38,49/02	43375	7	46/02;6,7,10,12/03
36040	16	19,30/02;1/03	37119	2	43/02	37380	2	15,17,34,40,42,43,44,48,51/02;9,10/03	43384	1	48/02;4,5,6,7,10,11,12,13/03
36046	5	38/02	37120	2	15,19,24,27,29,39,42,49,51/02;4,6/03	37400	10	15,28,34,38,40,41,44,46/02;6,10/03	43385	1	27,45,48/02;5,11,13/03
36060	17	16,19,31,38/02;5,8/03	37121	11	15,24,27,29,31/02	37401	9	28,32,44/02;4,6,13/03	44001	2	48,49/02;1,6,7,8,9,11,13/03
36061	5	46/02	37122	12	48/02	37402	7	28,32,41,42,44,50/02;4,13/03	44015	8	28,31,48,49/02;6,7,8,9,10,11,13/03
36062	11	40*,46/02	37123	9	19,49/02;6/03	37403	23	24/02;10/03	44030	7	20,46/02;4,8,9,13/03
36098	6	5/03	37125	15	15,19,24,42,49/02;6,9/03	37420	1	34,43/02;1,7/03	44036	5	28/02;13/03
36102	6	13/03	37126	8	15,41/02	37441	4	15/02	44038	5	18/02
36103	9	13/03	37127	11	49/02;4,6/03	37445	1	48/02;1/03	44040	23	28,44/02;6,10,13/03
36104	6	13/03	37129	6	39,42,49/02;4,6/03	37446	2	1/03	44041	7	48/02;1,9,10,13/03
36106	7	18,47/02;5,13/03	37133	4	44/02	37461	9	51/02;6/03	44042	7	21,44,45,49/02;4,7,9,10,11/03
36117	6	18/02	37136	6	38,46,50,51/02	37463	6	1/03	44043	8	44/02;1,6,9,10,11,13/03
36118	3	5/03	37137	6	46,48/02	37481	7	47,48/02;6,7/03	44044	6	6,10,13/03
36120	9	16,19,20,22,31,46/02;5,8/03	37139	8	18,23/02;1/03	37501	3	46,47/02;7,8/03	44046	10	18/02
36122	12	16,19,21/02	37140	33	15,17,19,21,22,24,27,29,31,35,49,51/02;4,6/03	37505	2	46/02;7/03	44047	22	26,44/02;10,12/03
36123	25	16,19,21,46/02;11/03	37141	29	20,21,23,36,40,48,51/02;1,4,12/03	37506	4	45,46,47,51/02;8/03	44048	11	5,12/03
36125	7	4/03	37145	23	46,50/02;4/03	38030	1	20,21/02	44049	9	18,44,46,50/02;8/03
36137	4	38/02	37147	15	21,35,36,40/02;1,10,12/03	38460	7	18/02	44050	21	18/02
36138	3	39/02;4/03	37148	13	17,21,35,38/02;4,10,11/03	38463	2	N18/02	44051	1	44,48,50/02;1,11/03
36139	4	4/03	37149	10	44/02	38480	6	18/02	44057	5	21,25/02
36140	12	21,22,24,36,41/02;4,10/03	37150	8	16,21,22,31/02	38603	2	17,21/02	44061	21	18,21/02
36141	7	4/03	37161	14	18,21,22,31,34,43/02;1/03	38610	1	20/02	44063	8	21/02
36142	6	24/02	37162	12	15,16,17,26/02	41060	3	34/02	44065	7	15,16,20,25,30,42/02
36143	4	18,34/02;5/03	37164	4	15/02	42160	3	7/03	44066	10	16,20,27,39/02
36161	10	20,24,34,44,45,47,50/02;4,10/03	37165	2	15,17,18,20,21,34,36/02;10,12,13/03	42740	5	34,41/02;6/03	44067	22	16,21,25,29/02
36162	10	20,35,45,47,50/02;4/03	37166	2	15,16,17,26/02	42742	3	6,8/03	44068	11	17,18,20,24,26,44/02;10,11,13/03
36163	13	20,31,34,35,38,44,45,47,50/02;4/03	37170	11	38/02	42760	5	8/03	44069	16	16,18,20,21,24,29,31/02;11,13/03
36164	7	34,38,44,46/02;8/03	37175	2	5/03	43000	4	9/03	44072	4	21/02
36165	6	17,18,20,22,24,28,36,44/02;10/03	37180	20	21,38/02	43015	12	9/03	44073	2	21/02
36167	2	24,40/02	37182	14	35,47,48/02	43030	24	25,28/02;2,9,10,11,12,13/03	44075	4	16,17,21,29,31,42/02;13/03
36173	1	40/02	37183	9	48,51/02;10/03	43059	3	44/02	44076	3	18,25/02
36180	23	17,20,21,22,36,40,50/02;4/03	37184	8	48/02;5/03	43060	4	44/02	44081	9	15,16,17,20,24,25,39/02;9,13/03
36181	18	17,20,21,22,36,40,50/02;4/03	37200	15	18/02	43079	2	41/02	44082	11	15,16,17,18,21,24,25/02;9/03
36182	6	20,36,40/02	37202	2	18/02	43102	4	46/02	44083	8	15,21/02;9,11/03
37000	22	23,28,47,48/02	37205	2	39/02	43104	6	44/02	44084	1	6,11/03
37005	16	17,18,23,41,45,47/02;5,12,13/03	37221	13	15,16,17,18,20,21,24,25,27,28,34,36/02;6,10,11,12,13/03	43141	5	52/02;12/03	44085	2	21,25/02
37010	23	15,16,17,18,23,26,41,45,47/02;10,12,13/03	37222	13	15,27,28/02	43142	4	52/02;12/03	44100	7	15,16,17,18,24,25,26,44/02;2,9,11,12,13/03
37025	26	38,51/02;1/03	37223	14	26,42/02	43143	4	12/03	44105	2	49/02;5,6,8/03
37032	2	1,6/03	37224	11	15/02	43144	4	17/02;6,12/03	44120	7	15,16,17,18,21,26,27,28,29,31/02;2,9,10/03
37033	2	47/02	37226	17	15,16,17,19,20,21,25,28,30,39/02;8,9,12/03	43146	2	48/02	44140	8	16,26,27,28,29,31,50/02;1,6/03
37034	2	8/03	37228	14	21,24,27/02;8/03	43150	2	N17/02	44160	7	46/02;1,4,5,6,11,13/03
37041	15	17,20,27,50/02	37229	15	15,16,17/02;8/03	43160	6	17/02	44161	2	29,50/02;1,2,6,10/03
37042	5	17,41,45/02	37230	14	16,18,24,25,39/02	43161	2	17,41,44/02	44162	1	50/02;1/03
37043	17	17,20,43/02	37231	18	15,20,21,25,28,30/02;6,10,12/03	43162	3	17,48/02;6/03	44163	1	48/02
37044	16	45/02	37232	12	15,16,21/02	43182	4	47,52/02	44164	1	46,48/02;1,11/03
37045	11	45/02	37234	13	15,20/02;7,8/03	43223	4	41/02	44165	1	46/02;1,5,6,11/03
37046	18	21,31,43/02	37235	11	15/02	43225	4	17,52/02	44178	2	21/02;2,5,7,10/03
37050	9	18,26,42,46/02;10,12/03	37241	17	16,17,26/02	43240	4	50,51/02	44179	2	10/03
37060	3	17,21,31,46,50/02;9,13/03	37242	10	15,20/02	43242	4	52/02	44180	6	18,20,24,29,34,45,46/02;1,2,5,7,8,9/03
37061	15	36,38/02;5/03	37244	11	16,17,26/02	43243	4	50,51/02	44181	5	5,10,13/03
37063	21	16,21,28,36,50/02	37246	14	15/02	43248	3	9/03	44182	4	21,48,49/02;1,2/03
37064	8	17/02*	37248	18	39/02	43263	7	44/02	44183	6	48/02;1,6,8,9,10/03
37065	7	19/02*	37258	4	15/02;1,11/03	43265	2	44,52/02	44184	9	21,45,49/02;2,10,13/03
37075	3	21,31/02;5/03	37261	10	15,28/02;1,7,11/03	43270	2	44/02	44185	7	45,49/02;1,2,10/03
37079	5	22/02	37262	20	1,11/03	43280	5	44/02	44186	2	21,45,46,48/02;1,2,5,8,9,10/03
37080	3	17,24,27,30,33,34,38,40,42,44,45,46,51/02;1,4,7,9/03	37263	3	30/02;1/03	43284	4	16,51/02	44187	2	21/02;5,6,9,13/03
37081	23	18,20,21,28,38,43,50/02	37265	3	18,24/02;1,7/03	43285	5	15,16,44/02	44192	1	21,29,46,48/02;1/03
37082	9	28,44,50/02;11/03	37281	15	30/02;1/03	43300	5	15,44,47,50/02	44193	1	26/02;1,7/03
37083	8	20,22/02	37320	16	18,26,27,28,38,44/02;9,10,11,12/03	43301	4	15,45,50/02	44200	9	20,24,29,34,52/02;4,9,12,13/03
37084	9	20,22,38,40,43/02	37325	8	18,34,39,47/02	43302	4	44,47,50/02	44203	1	20,24,33,48/02;2,5/03
37085	8	38,40/02	37326	2	34,47,51/02	43303	4	41,47,50,51/02	44204	1	48,52/02;2,4,5,7,12,13/03
37086	8	38,50/02;4/03	37328	2	18,42,44/02;11/03	43304	2	44,47,50/02	44205	2	48,52/02;2,5,7,12/03
37087	7	38,40/02	37330	2	22,24,26,30,32,34,38,40,46/02;9,13/03	43321	6	30,41,47/02	44206	1	46/02;4,5,13/03
37088	9	5/03	37342	3	17,32/02;2,11/03	43323	4	30/02	44207	1	4,5/03
37089	12	21,28/02;4,13/03	37343	10	45/02	43324	4	30/02	44220	5	46/02;4,5,13/03
37090	8	27,32,45,51/02;1,7,9/03	37344	11	17,32,34/02	43341	7	41/02;12/03	44221	1	6,13/03
37095	3	15,17,18,24,28,32/02;1,7,9,11/03	37360	15	15,17,27,28,30,32,34,43/02;2,9,10,11/03	43360	21	17,28/02;6,10,13/03	44224	1	49/02;5/03
37101	9	15,18,27/02				43363	5	45/02	44228	1	49,50/02;4,7,13/03
37103	9	15,27,29/02				43364	5	45,46/02	44244	8	25/02;5/03
37104	3	41/02				43371	13	22/02	44243	2	
						43372	4	22/02			

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 13/03

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.
44260	7	29/02;2,5,6,13/03	52051	1	43/02	53204	10	44/02;5/03	54346	8	19/02;11,12,13/03
44280	9	29,34,49,50/02;2,6,12/03	52052	1	43/02	53205	3	5/03	54347	4	51/02
44281	2	49/02;12/03	52060	16	43,50,51/02;7,12/03	53206	6	17/02;5/03	54350	4	51/02
44282	1	49,50/02;13/03	52061	2	45,48,51/02;7,12/03	53220	6	36,43,51/02;5/03	54351	7	52/02
44283	2	50/02;8/03	52062	7	7,12/03	53223	5	29/02	54352	3	52/02;1,3/03
44284	2	41/02;6/03	52066	3	50/02	53226	3	3/03*	54360	12	15,19,20,52/02
44285	1	2/03	52080	14	50,51/02;4,7,10,11,12/03	53242	12	52/02;1,13/03	54362	3	52/02
44286	1	2/03	52082	3	45,46,48/02;1,11,12/03	53244	2	1/03	54363	3	15,19,20/02
44310	5	20,29,41,42/02;7/03	52083	2	45,46,51/02;1/03	53262	7	22,42/02	54364	2	52/02
44313	1	27,41,47/02	52084	2	45/02;4,10,11,12/03	53263	1	37/02	54365	6	15,19,36/02;11/03
44319	2	21,41,42/02;4,6,9,10/03	52085	3	50,51/02;4,11/03	53265	6	19,35,41,46,52/02	54366	3	15/02
44320	4	23,29/02;6,8,9/03	52086	2	45,50,51/02;1,4,9,11/03	53266	4	1,8,13/03	54367	3	15/02
44321	6	19,22,23,29,32,40/02;6,8/03	52087	1	51/02	53268	4	22,42/02;7/03	54368	4	20/02
44340	11	16,20,21,37/02;4,6,8,9/03	52088	2	45/02;4,10,11,12/03	53269	5	19/02	54369	4	15,52/02
44341	7	25,37,41/02;7,9/03	52092	1	46,51/02	53279	3	7/03	54372	2	20/02
44342	8	37,41/02;6/03	52120	12	32,51/02;6,11/03	53281	4	31,40,52/02	54380	6	19,26,42/02;3/03
44352	2	4,6,7,8,12/03	52121	8	45,46/02;1,6,8,11/03	53282	8	40/02	54382	9	26/02
44360	9	16,20,21,34,37,41,42/02;4,9,10/03	52122	14	45/02;11/03	53283	4	33,52/02	54386	10	42/02
44361	6	21,27/02;4,10/03	52124	1	51/02	53284	4	33,40/02;7/03	54387	7	23,42/02
44365	1	7,8/03	52125	1	45,46/02;8,11/03	53285	4	35/02;7/03	54389	8	43,52/02
44366	1	34,41/02	52140	6	48,50/02;3,12/03	53287	6	20,27,35,42/02;1,5,7,8,10/03	54400	8	20,32,43/02;3/03
44367	2	15,16,18,20,22,25,26,29,35,37,40/02;6/03	52141	5	48/02	53290	1	35/02	54402	4	52/02
44400	4	48/02;4,6,7,8,9,12/03	52142	2	12/03	53301	4	27/02	54403	4	22,43,52/02
44401	7	10,12/03	52144	5	50/02;3,7,8,10/03	53302	4	51/02	54404	4	19/02
44410	4	4,6,11,12,13/03	52161	14	6,11/03	53303	6	49,51/02	54407	4	32,43/02;3,7/03
44420	6	36,49/02;8,9,10,11,12/03	52172	2	40/02;1/03	53306	2	21,39/02	54409	2	23,32/02;7,8,12/03
44430	2	16,17,28/02;6,10,11/03	52180	14	21,24,42,43,51/02;1,8,10,13/03	53311	3	39/02	54413	3	31/02
44444	6	31/02;9,12/03	52200	8	7/03	54040	3	37/02;6,10/03	54418	4	32,43/02;3,7/03
44461	10	16,17,19,28/02;6,10/03	53011	2	51/02	54041	7	18,35/02;4,8/03	54419	2	3/03
44462	4	19/02	53031	1	17,18,19,21,22,27,28,30,39,48/02;5,12/03	54043	2	15,17,18,29/02	54421	6	28,47/02
44465	2	16,17,19,28/02;6/03	53058	2	4/03	54060	5	18,37/02	54422	4	19/02*
44481	2	26,28,31/02	53060	14	15,17,18,19,21,22,27,28,30,32,51/02;4,5,9,10,12/03	54061	11	52/02	54423	5	48/02*
51007	22	38/02;7/03	53061	10	19,28,30,44,47/02;12/03	54063	3	1,13/03	54430	1	26,28,37,43/02
51013	4	38/02;7/03	53062	13	1/03	54081	3	10/03	54440	4	30,41/02
51017	31	37/02	53063	8	19,28,44,47/02;4/03	54083	3	19/02	54441	6	30,42/02;2/03
51022	11	37/02	53064	6	33/02;10/03	54085	4	19/02	54480	8	22,30,36,41/02;2/03
51061	14	1,7/03	53065	2	33/02	54090	3	46/02*-11/03	54481	8	22,30,36/02
51064	2	52/02;1/03	53066	2	33/02	54095	3	46/02*-8/03	55001	4	18,29,36,37,42/02
51081	10	5,6,13/03	53081	8	15,21,30/02;4,5,11/03	54105	3	46/02*-8,13/03	55040	4	15,18,23,27,28,31,32,39,41/02
51082	7	5,7,13/03	53082	13	40/02	54115	3	46/02*	55041	7	15,22,32/02
51100	7	1,6,7,8,9/03	53083	8	18,19/02;9,10/03	54120	5	15,16,17,18,19,20,37,39,41/02	55042	1	18,21,27,28,42/02
51103	10	29*,33,45/02	53084	6	17,18,24,51/02	54125	3	46/02*	55043	2	21,23,27,28,37,39,42/02
51104	1	29*,33,45/02	53085	6	17,24,51/02	54140	7	15,16,17,18,41/02	55044	5	22,23,41,43/02
51120	6	6/03	53086	8	20,46,48/02	54151	1	15/02;3/03	55045	2	18,21,23,41/02
51142	2	6,13/03	53087	9	48/02	54161	12	16,17,19/02;10/03	55046	3	4,21,22,23,26,27,30,31,37,38,39,41,48/02
51143	4	6/03	53088	7	33/02	54165	2	33,37/02	55047	8	22,23,26,27/02
51144	3	52/02;1/03	53090	1	41/02	54166	3	10/03	55048	12	23,27,32,36,37,39,41,48/02
51145	2	42/02;13/03	53093	2	20/02	54167	2	17,19/02	55049	6	22,27,30,41,43/02
51146	3	42,52/02;5/03	53100	16	18,19,21,24,28,33,39,42,51/02;6,10,13/03	54168	1	37/02;10/03	55060	7	19,20,36,37/02
51150	1	50,51/02;1,13/03	53101	7	33/02;8,13/03	54169	3	16,37/02	55063	1	6/03
51154	3	50,51/02;13/03	53102	2	20,35,42/02	54180	6	19,41,43,50/02;5/03	55064	3	23,37,48/02;6/03
51155	1	50,51/02;1/03	53103	20	37/02;8/03	54195	2	5/03	55082	9	5/03
51158	2	6/03	53106	6	19*,20,24/02	54200	4	21/02;5,8/03	55084	7	39/02
51159	3	47/02	53107	16	35/02;6/03	54201	6	21/02;8/03	55085	9	5/03
51160	20	48,50,51/02;1,4,5,6,7/03	53110	1	29,40/02;10/03	54222	2	21/02;8/03	55100	8	29,36,37/02;6/03
51163	4	4/03	53111	3	31,44/02*	54224	2	21/02;8/03	55101	4	7/03
51164	18	38,45,46,50/02;2,4,8/03	53112	14	18,20,21,27,28,39,42/02;5,6,7,13/03	54225	2	21/02	55102	3	24/02;4,5/03
51165	8	25,45,50/02;2,4,8,10/03	53122	3	20,29,40/02;7,8/03	54226	2	50/02	55103	2	24,29,48/02;1,4,5,7/03
51166	3	N25,N45/02	53123	3	7/03	54227	2	50/02	55104	2	48/02;4,5,7/03
51167	6	45,50/02;2,4,8,10/03	53125	2	46,51/02;13/03	54266	2	13/03	55105	7	18,29,36,41,42/02
51168	2	45,46,50/02;2,4,8/03	53130	1	27,42,47/02;10,13/03	54279	4	50/02*-2/03	55110	2	23,24,29,37/02;6/03
51180	5	13/03	53133	3	41,46/02	54280	10	15,20/02;5/03	55120	2	36/02;6/03
51220	8	33/02	53135	2	20,51/02;7/03	54281	6	20/02	55127	2	10/03
51222	6	51/02	53141	5	20,24,34,51,52/02	54282	1	51/02	55128	2	26,33,36,38/02;1,4,5,8/03
51225	3	27/02	53149	2	36,39,42,51/02;6,7,10,13/03	54283	5	19,20,52/02	55129	7	33,36,37/02;6/03
51240	2	33/02	53160	14	20,51/02;3,6/03	54284	4	19/02	55130	2	27,45/02;5/03
51260	4	37,50/02	53161	8	51/02;3,8,13/03	54286	7	5/03	55131	1	27,36,45/02;6/03
51261	23	5,6,13/03	53162	7	50/02*	54287	5	1/03	55133	3	5/03
51263	23	49/02;13/03	53165	13	39/02;8/03	54288	8	19/02;1/03	55139	5	41/02
51300	4	27/02	53180	10	33,34,43,51/02;1,3,6,7,13/03	54289	12	31/02	55140	2	1,5/03
51341	23	48/02;6/03	53181	4	34/02;1,13/03	54300	1	31/02	55150	2	24,28,29,37/02
51342	3	1/03	53182	4	36/02	54302	3	19/02;1/03	55160	2	18,24,28,29,42/02
51344	2	5,7/03	53183	13	19*,35/02	54318	4	20,48/02;1/03	55161	1	29/02
51380	5	47/02	53184	5	32,35/02;1,6,13/03	54322	7	19,20/02;1/03	55170	2	18,29,31,36,41/02
51559	3	41/02	53200	6	33,36,43/02;5,6,7/03	54324	8	19/02	55175	1	24,28/02
52031	1	6/03	53201	6	51/02	54327	4	20,31/02	55180	2	33/02;1/03
52039	4	5*,7,8,9,13/03	53203	11	5/03	54329	4	5/03	55190	2	6/03
52040	17	43,50/02;13/03				54334	3	5/03	55200	2	27/02;8,10/03
52043	21	46/02;6,7/03				54337	3	19,31/02	56031	1	1,2/03
52045	6	36/02				54339	8	17,31/02;12/03	56042	6	22/02
52046	21	50/02;6,7/03				54340	8	19,48,51/02;3,4/03	56043	6	22/02
52047	11	7,8/03				54343	10	19,48/02;4,5,11,12,13/03	56044	3	22,38/02
52048	3	8/03				54344	6	19,48/02	56060	8	33/02;12/03

SECTION I

NM 13/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 13/03

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.
56063	1	21/02	61522	1	15/02	62464	2	15*,31,49,50/02;4/03	71005	1	34/02;2,6,12,13/03
56064	6	38/02;2/03	61538	1	15/02	62480	1	15,18,23,30,31,33,37, 43/02;6,8,10,13/03	71006	5	39/02
56065	3	33,38/02	61540	2	15,20/02	62490	1	16,18,25,29,31,32,33,43, 50,52/02;8,13/03	71009	3	39,46,48/02;1,6,7/03
56067	3	48/02*	61550	2	17/02	62498	4	23,25,27,31/02;4,9/03	71012	3	19,33,39,46/02;1/03
56081	19	41/02	61560	2	15/02;7/03	62499	4	15*,25,27,31,49,50/02;4, 9/03	71018	10	15,33,35,37/02;7,12, 13/03
56083	2	31/02	61562	2	6/03	62510	3	11*,12/03	71027	9	15,19,20,22,24,25,34,38, 45,49/02;2,4,5/03
56100	13	41,49,50/02;1/03	61581	5	18/02	62512	3	N11*,N12/03	71033	31	15,23,37,38,49/02;3, 12/03
56101	6	33/02;1/03	61582	4	18/02	62515	2	26,45/02	71036	8	35,44/02;12/03
56102	23	1/03	61610	7	28,29/02	62520	5	15,17,20,30,31,37,43, 49/02;10,13/03	71040	5	27,34,42/02;7/03
56103	6	18,30/02;1/03	61611	11	28/02	62521	3	N15,N17,N20,N30,N31, N37,N43,N49/02;N10, N13/03	71042	1	34/02
56104	2	41,49,50/02	61612	4	28/02	62530	5	31,33,43/02;8,13/03	71043	2	25/02*
56120	12	1/03	61650	3	17/02;12/03	62531	3	N31,N33,N43/02;N8, N13/03	71044	1	27/02
56191	2	18/02	62000	20	18,46/02	62540	6	17*,18,21,23,25,26,29, 31,32,34,40,45,48,50, 52/02;8,12/03	71058	2	23,36/02
56195	3	22/02*	62001	5	11/03*	62541	3	N17*,N18,N21,N23, N25,N26,N29,N31,N32, N34,N40,N45,N48,N50, N52/02;N8,N12/03	71059	1	23,36/02
57029	9	12/03	62024	13	38,40/02	62550	2	30,43/02;10,13/03	71061	15	23,36/02
57035	10	10,12/03	62028	15	18/02;10/03	62560	3	21,23,25,29,52/02	71066	1	39/02;6,7,10/03
57063	5	40,41/02	62032	16	11/03*	62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02;8, 12/03	71071	5	15/02
57064	3	41/02	62033	3	N11/03*	62580	3	23,26,32,33,45/02;12/03	71081	3	16/02
57101	18	41/02	62046	2	39/02	62591	3	N16,N28,N29,N36,N46, N48/02;N8,N12/03	71091	4	1,2/03
57120	13	43/02	62050	6	18,44/02	63000	13	27,28,48/02	71140	6	33,39,46/02;1/03
57140	10	43/02	62092	7	41/02	63005	18	15,25,31/02	71180	29	33,37/02;7,12,13/03
57141	14	43/02	62093	7	16,41,49/02	63010	14	26,29,31,52/02	71183	13	32/02
57142	6	43/02	62095	3	11/03*	63015	11	31,38,40,52/02;9/03	71185	24	7,13/03
57160	10	43/02	62140	1	34,40/02	63020	15	27,31/02;4,9,11/03	71186	2	7/03
57161	4	31/02	62142	10	24,28/02	63040	2	46/02	71210	18	44/02;3/03
57162	7	43/02	62143	3	24,28/02	63050	2	17,46/02	71211	4	38/02
57164	2	43/02	62144	3	24/02	63054	3	19*,31/02	71212	1	18,38/02
57165	1	43/02	62170	2	38/02	63055	2	29/02	71223	8	17/02
57170	1	43/02	62171	4	38,47/02	63060	7	25,28,32/02	71230	11	23,38/02;6/03
57200	6	11/03	62191	15	11/03*	63062	7	18,28,29/02;7/03	71241	10	18/02;6,12/03
57220	4	11/03	62193	17	17*,19,31/02	63063	9	27,29/02	71243	4	33/02;13/03
57381	12	52/02	62194	8	17*,18,19,31,36/02;4/03	63065	6	18/02	71248	18	20,21/02;5,6,8/03
57400	4	12/03	62195	6	22,36,41/02;1/03	63070	3	20,27,28,29/02	71249	2	N51/02*;N1/03
57408	2	12/03	62225	3	17*,37/02	63080	5	26,27,28,31,48/02	71251	11	20,35,40/02;1/03
57420	3	12/03	62241	10	9/03	63085	8	25,31/02	71253	10	21,35,40,42/02;5,6,7, 13/03
57460	4	10,12/03	62242	11	47/02;9/03	63090	8	25,31/02	71255	5	6/03
57471	3	12/03	62250	4	34,38/02	63091	4	26,27,32,39,48,52/02; 9/03	71257	2	15,18,21,23,28/02;5,6,7, 12,13/03
57472	2	12/03	62270	4	37,41/02	63100	2	15,44/02	71258	2	15,18,20,21,28,35/02;5,6, 7,13/03
57480	8	12/03	62271	5	37,41/02;10/03	63101	15	17,19/02	71259	2	18,20,21,33/02;1,7,13/03
61000	20	10/03	62285	2	26/02	63102	19	17,19,26/02	71261	8	35/02;2/03
61015	8	17/02	62290	3	26,37,41/02;10/03	63103	17	17,26,29/02	71267	7	6/03
61018	4	18,24/02	62292	2	24/02	63110	4	40/02	71268	3	46*,49/02;7,13/03
61020	2	17,28/02	62302	2	4/03	63111	9	17,25,48/02;9/03	71271	10	23,25,30,34,52/02
61021	3	18/02	62310	2	27/02	63120	2	44,48,52/02;8/03	71272	10	23,30,34/02
61036	8	27/02;7/03	62313	4	17*,27/02	63121	5	48/02;5,8/03	71275	3	23,35/02;2,6/03
61040	6	10/03	62330	2	38,40/02	63150	1	15,25,31/02	71281	7	51/02
61050	4	10/03	62340	3	38/02	63200	5	52/02	71285	3	23,25,30,34,52/02;13/03
61060	5	12/03	62343	3	8/03	63201	9	40/02	71295	2	25,26,30,34,39,40,52/02; 12/03
61061	9	10,12/03	62350	3	10/03	63210	3	45,52/02	71305	2	31,34,36/02;2,13/03
61070	4	9/03	62355	6	8/03	63220	5	26,45,52/02	71311	4	7/03
61080	4	9/03	62360	5	18,38/02;12/03	63230	6	17*,45/02	71313	8	45/02
61090	5	12/03	62361	2	N18,N38/02;N12/03	63231	8	31,45/02	71315	5	6,10/03
61091	5	12/03	62366	3	38,40/02;2/03	63232	3	45/02	71316	2	27,31,34/02
61100	4	10,12/03	62392	7	18/02	63233	15	31/02	71320	1	35/02;5/03
61110	3	28/02	62393	7	34,37,50/02	63250	6	29,40/02;11/03	71325	8	5/03
61112	10	17/02	62394	10	34,37,50/02	63271	8	19,52/02;8/03	71330	13	35/02;5/03
61120	4	28/02	62395	2	34,50/02	63290	7	19,31,32,38/02;10/03	71331	11	5,7,8/03
61130	3	28/02	62400	17	23,24,33/02;4,9/03	63291	9	19,33/02	71333	2	6,7/03
61140	5	27/02	62401	9	6,10/03	63310	5	11/03	71335	2	8/03
61141	6	38/02	62402	10	10/03*	63320	8	30/02	71340	11	18,19,22,40,46/02;2,4,5, 6,7/03
61142	6	38/02;7/03	62404	3	6/03	63321	6	30,42/02;9/03	71343	3	7/03
61170	5	27/02	62406	2	24,33/02	63322	2	30/02;9/03	71348	3	18,35/02;7/03
61180	4	20,27/02	62408	7	15/02;10/03	63330	9	27,39/02;4/03	71350	8	15,18,20/02;5,6,7/03
61190	4	39,41/02	62409	6	7/03	63337	15	27,31,39/02;4/03	71401	1	40,46,51/02;5/03
61200	7	17,21/02	62411	1	52/02	63400	1	39/02;8,11/03	71402	1	18,40,46/02;4,5,6/03
61204	5	13/03	62413	11	33/02	63410	6	39/02;8,9/03	71410	1	39/02;12/03
61210	6	17/02	62417	1	52/02	63413	5	39/02	71420	1	38,39/02;3,12/03
61220	5	17/02	62419	6	33/02;8/03	63417	2	39/02	71430	3	11/03*
61240	7	18/02	62420	5	33,37,39/02;8/03	63420	2	39,45/02;8/03	71440	2	11/03*
61250	4	18/02	62429	9	17,27,39,43/02	63424	2	45/02	71445	1	7/03
61300	2	7/03	62431	8	26*,27,37/02				71450	1	22,25/02;7/03
61310	2	33/02;7/03	62432	16	13/03*				71455	2	11/03*
61311	5	17,33/02	62433	12	15,30,31,34,45/02;1/03				71460	1	15,20,25,41/02
61312	3	17,33/02	62434	9	40,46,52/02;8,12/03				71465	1	20/02
61331	4	7/03	62437	9	32,46/02				71470	2	15,38/02
61400	2	27/02;7/03	62439	4	1/03				72000	8	31,32,35,47,50/02;2/03
61410	2	7/03	62440	7	15,17,20,49/02;6/03				72007	10	30,36,38,47,51/02;2,5,7, 11/03
61430	2	7/03	62441	10	16,36/02						
61433	1	7/03	62448	2	23/02						
61434	2	7/03	62449	4	15/02						
61440	2	15/02	62451	7	21,23/02						
61450	2	17,27/02	62453	3	25,33/02						
61470	2	15/02	62455	7	17,27,39,43/02						
61472	1	15,20/02	62456	1	27/02						
61500	2	17/02	62457	6	11/03*						
61510	2	15/02	62459	2	6/03						
61520	2	15/02	62460	4	24,31,33/02;10/03						

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 13/03

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.
72014	10	46/02;7/03	74182	12	23,24,25,26,28,33,35,37,38,39,41,42,44,51/02;6,10/03	74515	4	20,28,33,35,39/02;4,7,10/03	76080	8	1/03
72021	8	31,36,38,47,50,51/02;7/03	74183	11	38,39,42/02;4,6/03	74517	3	18,20,21,39,41/02;4/03	76083	3	1/03
72028	7	15,31,34/02	74184	10	23,24,28,33,35,37,38,46,48/02	74521	3	28,41/02	76110	5	23/02
72035	8	16,31/02;8/03	74186	7	18,34/02;4,10/03	74527	2	28/02	76120	6	22,23,25/02
72045	2	16/02;8/03	74190	7	22,23,26,35,36,37,46/02;1/03	74530	2	28,44/02	76140	7	46/02
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	76141	8	19,46/02
72070	4	32/02;2,9/03	74192	3	24,26,28,35,46/02;1/03	74545	3	28,40/02	76142	1	46/02
72075	2	20/02;9/03	74200	8	18,21,27,28,37,46/02;1,8/03	74550	4	5/03	76150	6	35/02
72080	7	20,51/02;2,9/03	74201	9	27/02	74555	3	34,43,44,48,51/02;5/03	76151	7	22/02
72085	2	30,47,51/02;2,9/03	74202	3	16,21,24/02;1,7/03	74560	10	23,28,32,40,43,46,48,50/02;4,5/03	76161	10	40/02
72094	2	29,38/02;7/03	74204	5	21,24,27,37/02;1,7,8/03	74561	2	5/03	76170	7	29/02
72100	7	29/02;7/03	74205	2	16,24,25/02	74581	9	20,26,32,34,36,40,41,43,45/02	76180	1	18,22,23/02
72103	2	29/02;4,6,7/03	74206	2	24,34/02	74582	9	18,26,28,40/02	81002	6	18/02
72105	2	36,38/02;7,11/03	74210	7	25/02;7/03	74583	15	26,32,34,40,43,44,48/02	81023	5	18/02
72107	2	15,27,29/02;7/03	74220	8	17,23,25,26,35,47,51/02	74584	5	18,22,25,32,34,41,43,45/02	81054	12	29/02
72109	3	42,44/02	74221	2	35,51/02	74590	2	28,51/02	81067	5	51/02;10,12/03
72110	9	15/02	74229	2	17,22,23,33,37,43,47/02	74591	7	40/02;8/03	81076	9	51/02;10,12/03
72130	4	46/02	74230	7	28,39,42/02;5,7/03	74595	2	28/02	81092	3	38*,50/02
72131	3	11/03	74231	7	19,23,35/02;3/03	75000	6	47/02;6/03	81711	6	23/02
72161	10	15/02;10/03	74232	9	15/02;5,7/03	75001	3	23,47/02;5,6/03	81715	4	23/02
72173	2	15/02	74234	1	8/03	75010	7	16,18,41,42,50/02	82015	13	22/02
72181	2	36/02;7,11/03	74240	8	15,34,39,42/02;4,5,7,8,9/03	75025	9	22,23,36,39/02;2,4,8/03	82020	7	22/02
72190	2	30/02;10/03	74251	8	15,17,23,25,26,31,32,34,37,42,44,46,51/02;6,9/03	75035	18	21,24,36,39/02;2,6/03	82030	8	18/02
72201	8	8/03	74252	9	19,47/02;5,7,9/03	75051	6	16/02;5/03	82210	2	42,48/02
72203	2	16/02	74253	6	15,17,19,23,25,27,32,47/02;8,9/03	75052	2	16/02	82242	2	42,48/02
72211	6	43/02;5,8/03	74261	9	15,25,41,49/02;4,10/03	75110	2	50/02	82245	5	35,42,48/02
72231	8	31/02	74265	2	15,17,18,19,25,31,38,41,43,47,49/02;7,9/03	75120	2	16,42/02	82253	7	35,48,50/02
72236	1	9,12/03	74270	3	18,19,26,31,38/02;7/03	75131	7	18,20,28/02	82374	9	22/02
73000	9	26,40,52/02;10/03	74271	9	19,28,38,46/02	75132	11	31/02	82377	2	22/02
73002	4	18,24,30/02;5,11/03	74272	7	26,32/02;4/03	75142	5	15,21,28,36,42,50/02	82580	2	19/02
73004	4	26/02;10/03	74273	5	18,19,31,38,41,43/02;7/03	75143	4	15,20,28,32,33,36,38,42,50/02	82646	2	19,33/02
73006	2	26/02	74281	7	3/03	75144	3	20,31,33,36,42,51/02;4,10/03	82649	5	18,20,33/02
73008	8	16/02;11,13/03	74283	2	46,49/02	75150	5	16,50/02	82683	4	18,33/02
73012	6	11/03*	74285	2	31,34,35,45/02;1,9/03	75160	6	22,23,24/02	82684	3	18,33,38/02;7/03
73014	10	48,52/02	74286	2	15,22,24/02	75170	12	38,39/02;8/03	82689	3	18,38/02
73016	4	15,44/02	74287	2	27,34,38,52/02;9/03	75171	22	17,18,22,27,31,32,33,36,38,40,42,48,52/02;1,6/03	82690	10	18,19,20/02
73020	9	25/02;9/03	74289	5	18,26/02;9/03	75172	5	39/02	82694	6	38/02
73024	3	39/02	74290	11	25,34,39,45,46,48,49,51/02;1,7,9,10/03	75173	9	17,20,25,31,32,33,36/02;1,6/03	82697	6	38,46/02
73030	4	20/02	74292	8	27,34,38/02;9/03	75175	9	16,18,31,33,38,40,45,50/02;6/03	83010	6	6/03
73032	4	25/02;9/03	74293	7	25,34,45,48/02;9/03	75176	9	17,27,42,50/02	83021	1	25,27,43/02
73041	2	18/02;5/03	74294	3	25,34,45/02	75177	7	18,27,38,48,50,52/02;6/03	83023	4	25,27,43/02
73191	3	7/03	74295	3	18,22/02;4,9/03	75180	2	8/03	83025	1	12/03
73271	7	21/02;13/03	74296	4	27,34,38,49/02;9/03	75182	2	22,47/02;8/03	83026	32	18,41/02;6/03
73552	4	25,34,45/02;1,7,9,10/03	74300	3	35/02;8/03	75185	2	23,47/02	83032	1	18/02
73570	7	34,45/02;1,10/03	74303	3	15/02	75190	2	23,47/02	83039	11	41/02;6/03
73580	4	52/02	74340	3	15,27/02	75191	6	22,25,37,38,43,47/02;8/03	83251	2	2,12/03
73581	4	16,52/02;3/03	74350	4	25/02	75192	6	22,25,37,38,43,47/02;8/03	83252	8	18/02;2,12/03
73590	6	16,31,47,52/02	74376	5	43/02;9/03	75193	6	22,49/02;1,5,7,10/03	83253	2	18/02;12/03
73601	3	15,17,24,26,31,34,35,47/02	74380	4	22,32/02;8,9/03	75207	2	36,52/02;4/03	83382	9	20,25,27/02
73610	4	26,31/02	74391	3	15/02	75208	2	26,50/02	83383	2	20,25,27/02
73631	4	36,46/02;1/03	74392	7	16,22,25,39/02	75213	2	36,52/02	83385	19	20,27/02
73640	5	23,36/02	74393	9	16,18,19,25,28,31,38,41,50/02;3/03	75215	2	36,39,40,52/02;7/03	83392	5	31/02
74000	6	24,36,47/02;2,7/03	74394	2	18,19,28,31,41,49,50/02;3/03	75220	12	36,39,49/02;4/03	83393	2	N31/02
74002	2	18,25,27,28,35,47/02	74410	3	16,20,25,38/02;7/03	75222	8	18,22,35,40/02	83397	6	18/02;1/03
74003	5	22,25,28,47/02;7,10/03	74415	1	39/02	75240	4	36,39/02;2,4/03	83425	6	20,35/02
74004	2	18,35,37,39,47/02;9/03	74420	3	45/02	75241	6	34,36/02	83570	2	24/02
74005	2	18,19,31,34,35,46,47,51/02;4,7,9/03	74430	2	49/02	75251	5	23,33,48/02;3/03	83572	1	24/02
74006	2	26,31/02	74440	3	32,39/02;2/03	75261	6	17,21,23,24,33,36,48/02;3,6/03	83574	2	7/03
74007	1	36/02	74450	3	21,22,26,49/02;2/03	75262	6	38/02	83580	2	24/02;8/03
74008	6	15,51/02	74455	3	19,21,23,48/02;1,4/03	75263	9	17,32/02;5/03	91005	6	45/02
74009	10	20,22,25,38,49/02;8,9/03	74460	4	21,22,26,37,40,46,49/02;6/03	75264	17	16,17,19,33,34,37,41,42,44,45/02;2/03	91008	1	29,44,48/02;8,10,12/03
74012	10	17,20,22,26,37,40,49/02;6,8/03	74465	2	9/03	75265	2	17,20,21,24/02;6/03	91010	6	29,48/02;10,12/03
74015	10	20,40/02	74470	2	8/03	76015	1	18,23,24,29,35,40/02	91020	5	19,21,22/02
74017	4	17,18,37,45/02	74475	2	44/02	76020	7	18/02	91025	8	21,22/02
74018	6	44/02	74480	2	44/02	76030	9	24,49/02	91030	3	21/02
74020	4	16,17,33,37,38,43/02;5/03	74485	3	16,43/02	76050	8	24,49/02	91080	4	21/02
74021	7	20,33,35,39,44/02;7,10/03	74492	7	16/02	76052	8	15,21/02;4,5/03	91096	1	21/02
74024	7	31,44/02	74493	3	16,38,43,45/02	76054	5	49/02	91170	2	38,41,44/02
74027	9	43,44/02	74494	2	41/02;8,9/03	76056	3	9/03	91280	7	19,22/02
74030	6	28,51/02	74510	2	16,17,33,35,37/02;5,10/03	76060	7	40/02	91286	10	20/02
74053	2	28,51/02				76061	3	40/02;9/03	91289	19	19,20/02
74054	2	28/02				76070	9	23,35/02	91300	3	21,22/02
74151	9	20,24,27,36,44/02;2/03				76071	9	23,35/02	91331	3	21/02
74152	11	36,44/02							91340	3	19,21/02
74153	2	36,44/02;2/03							92006	5	45,46/02;5/03
74162	4	36,46,47/02;8/03							92010	3	19/02
74171	4	33,36,47/02;3,10/03							92020	2	19/02
74172	5	36,47/02;7,10/03							92025	3	21/02
74181	8	23,28,33,35,37,38,39,47/02;10/03							92030	4	19,21/02
									92033	5	45/02

SECTION I

NM 13/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 13/03

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.
92450	3	21/02	94187	3	32/02	95152	5	37,38/02;6,9/03	97026	10	23/02
92470	3	19,21/02	94188	2	44,46,47,51/02;8/03	95153	2	15,22,34,36,37,38,43/02	97029	3	19/02
92560	4	45/02	94201	1	51/02	95160	13	15,27,41,42,47,52/02;1,6,8,9,11/03	97040	5	43,47/02
93006	2	21,39,45/02;4,8,10/03	94203	10	22,26,41,42,44,46,47,52/02,10,11/03	95161	16	27,31,40,45,48,50/02;1,5,6,8,9,10/03	97041	9	45,47/02;10,12/03
93010	6	15,17,22,27,38,40,41/02;2,13/03	94206	3	22,26,41,42,44,47,52/02;11/03	95162	2	20,40,44,47/02;10/03	97043	2	17,23/02
93018	8	27/02;1/03	94207	5	N26,N42,N44,N47,N52/02;N11/03	95163	2	27/02;1,6,9,10,13/03	97060	8	46/02;12/03
93020	2	15,24,38/02;4,13/03	94208	5	51/02	95164	4	43,48/02;1,6,9/03	97061	3	52/02
93022	4	18/02	94209	6	N44/02	95167	10	44/02;1,6,9,11/03	97062	12	27,44/02;6,10/03
93025	5	45/02	94216	6	27,45/02;10/03	95169	2	44,50,52/02;11/03	97064	2	6/03
93030	6	18,45/02	94217	4	30/02;6/03	95171	1	1,6,9/03	97082	5	24,46/02
93032	3	45/02	94218	3	30,36/02;6/03	95172	1	1,9/03	97083	3	24/02
93043	1	45/02	94219	1	47/02	95173	1	15,16,17,50,52/02;1/03	97100	4	20,28,42,47/02
93046	1	45/02;5/03	94220	4	22,26,41,42,47,49/02;8,10,11/03	95174	1	17,50,52/02;12/03	97101	1	28/02
93047	2	45,49/02	94260	5	49/02;1,6,11/03	95176	2	16,20,31/02;8,11/03	97104	4	20/02;7/03
93048	1	35,49/02;5/03	94280	5	51/02	95177	1	18,41,50/02;9/03	97105	3	20/02
93049	1	45/02;4/03	94281	6	6/03	95180	11	15,17,18,27,40,42,44,49/02;1,6,9,10/03	97120	6	15,22,28,31,37,40,42,43/02;9/03
93061	4	45/02	94282	9	46/02;8/03	95185	2	20,31,40,44,49/02;10/03	97140	17	15,22,33,37,39,43,45/02;7,9/03
93101	2	N24,N34,N38/02;N2/03	94283	7	46/02;2,8,12/03	95250	4	44/02;1,6/03	97141	5	19,21,40,46/02;8,13/03
93110	2	22,24,38,40,41/02;1,2/03	94290	2	1,7/03	95255	2	44/02;1,7,13/03	97143	11	21,31,43,45/02;9,13/03
93113	2	19/02	94322	14	8/03	95258	3	6/03	97144	14	44*,46/02;7,8,9,13/03
93115	2	40,41/02	94360	6	18,32,43/02;6,13/03	95261	7	48/02;1,5,9/03	97145	1	15,22,43/02;8,9/03
93117	2	19,40,41/02	94361	13	18,32/02;13/03	95262	13	41,46/02;1,6,9/03	97146	10	44/02*
93160	4	15*,27,34/02;1/03	94363	4	32,43/02	95264	8	48/02	97148	9	21*,23,45/02;9/03
93180	7	27,34/02	94380	4	N5,N6/03	95267	5	17/02;13/03	97149	20	25,34,35,44,45/02;1/03
93200	4	26,27/02	94384	3	5/03	95268	16	39,48/02;6,9,13/03	97150	13	34,39,43,44/02
93220	6	17,27,34/02	94420	3	39/02;4,8,11,13/03	95270	4	48/02;9,10,13/03	97151	16	31,35,44,45/02;12,13/03
93240	11	17,34/02	94421	10	15,45/02;4/03	95271	4	44,48/02;9,10,12,13/03	97152	8	37/02
93241	9	8/03	94423	12	19,45/02;11/03	95273	2	48/02	97153	7	31/02
93243	6	42/02	94427	2	N32/02	95274	3	48/02	97154	2	36/02
93247	4	26/02	94440	2	46/02	95276	3	21/02*	97155	14	20,31,35,36,37,39,40,48/02;12,13/03
93260	8	27,31/02;7/03	95016	8	40/02	95280	9	17,48/02;8/03	97156	6	21,37/02;1/03
93261	5	31/02;7/03	95040	8	40/02;11/03	95281	15	7,10/03	97157	1	35,37/02
93360	5	38/02	95060	13	15,16,40,43,44,47,48,52/02;1,6,11/03	95282	7	46,52/02;4,6,9/03	97159	6	33,39/02;7/03
93385	6	18/02	95065	5	48/02;10/03	95300	5	16,45,48,52/02	97163	14	23/02
93420	4	18/02	95066	11	15,16,18,19,20,41,43,44,47,48,49,50/02;1,5,6/03	95320	15	35,38/02	97164	1	7/03
93440	4	18/02	95067	13	18,41,44,46/02;1,5,10/03	95341	8	18,19,42,47/02;1,10/03	97165	1	7/03
93520	13	45/02	95068	1	41,42,45,47/02;12/03	95342	16	30/02;9,13/03	97166	1	33/02
93610	3	44,45/02;6/03	95080	13	16,18,25,27,30,33,40,44,45,50,52/02;1,6,7,9,10/03	96004	14	16,17,44,45/02	97167	2	23,33/02
93650	2	19,44/02;6/03	95082	9	19,21,25,27,30,33,44,46/02;1,4,7,11/03	96020	4	41/02	97180	6	22,31,34,39,43,45,46,48/02;4,8,13/03
93652	2	3,6/03	95083	8	21,25,33/02;1,4/03	96032	3	38/02	97181	20	18,22,25,31,34,46,48/02;1,4,7,8,12,13/03
93680	3	45,47/02	95084	7	15,16,18,50,52/02;8,12/03	96041	11	16,17,30/02	97182	13	18,21,23,31,34,39,46,48/02;1,4,5,6,7,8,12/03
93690	2	44/02;6/03	95085	4	15,45,52/02;1,6,11,12/03	96043	8	16/02	97183	9	25,44/02;5,9/03
93698	3	45/02	95086	5	15,45,52/02;1,6,8,11,12/03	96044	10	29,30/02	97184	15	25,28,47/02;1,7,12/03
93710	3	26/02;6/03	95087	3	19,21,25,33,40,48/02;1,8/03	96120	6	30/02	97185	2	43/02;1,7/03
93720	10	39,45,50/02;8/03	95100	12	15,16,18,38,39,43,44,45,46,47,50,52/02;1,4,6,7,8,9,10/03	96140	5	30/02	97187	3	44,48/02;9/03
93721	5	20,22,26,32,39,42,45,50/02;4,11/03	95101	8	15,39,44,50/02;1,5,6,9/03	96379	1	10/03	97188	2	1,7,13/03
93725	6	20,45/02	95102	8	38,42,45,46,47,48,50,52/02;1,4,5,8,13/03	96381	2	10/03	97189	2	25,28,44/02;9/03
93726	4	26,48/02;8,12/03	95103	8	42,43,45,47,52/02;4,6,7,10,12/03	96400	4	12/03	97190	2	22,34,39,52/02;8,13/03
93730	3	21,39,40,42,45,47,50/02;2,4/03	95120	7	17,20,21,42,43,52/02;1,4/03	96441	1	41/02;10/03	97200	9	52/02;8/03
93733	13	17,21,22,26,32,39,45/02;4/03	95138	8	45,46,48,49,50,52/02;8/03	96480	3	41/02	97202	15	43,44,52/02
93734	11	17,22,26,32,45/02;4/03	95140	15	15,18,22,38,40,41,44,48,49,52/02;1,7,8,9,10/03	96500	6	41/02;10/03	97204	9	28,29,45,52/02;4,6,10/03
93736	22	16,22,26,32,41/02;4/03	95141	8	45,47,50,52/02;1,6,7,8/03	96520	7	10/03	97218	3	21,41/02;6/03
93778	8	47/02;7/03	95142	9	15*,18,19,50,52/02;8,10/03	96521	3	N19/02*	97219	4	21,25,31/02;6,9,13/03
94004	6	19,29,30,33,37,44,52/02;8,9,10,12/03	95143	9	15,18,40,45,47,48,49,50/02;1,5,6,7,8,9,10,11,12,13/03	96540	5	10/03	97220	3	21,24,31,37,39,42,43,44/02;6,8,9/03
94016	2	23,33,35,52/02;3,9,10/03	95144	9	19,38,41,46,48,50,52/02;1,6,8,9,10,11,13/03	96560	5	10/03	97221	20	21,24,31,37,39,42,44,45,49,52/02;6,8,9,10,13/03
94028	7	23,25,40,42,52/02;1,6,7,8,9,11/03	95146	14	19,36,38,39,40,41,44,46,47,48,50,52/02;1,8,9/03	96621	5	10/03	97222	12	25,28,47/02;10/03
94040	13	30,37,47,51/02;6,8,10/03	95147	13	39,41,44,45,46,47,48,49/02;1,5,9/03	96645	1	26/02	97223	3	42,44,48/02
94042	9	47,51/02;7/03	95149	9	15,18,22,34,36,37,38,41,43,48,49,52/02;8,9/03	96762	4	29,35,45/02	97224	6	18,25,27,46,47,49/02
94060	10	27,29,30,33,37,46,47/02;7,8,10,12/03	95151	17	15,18,34,36,37,38,40,47,50/02;1,5/03	96763	7	29,43,48/02;9/03	97225	31	21,24,37,39,42,44,45/02;6,8,9,10/03
94061	5	19,33,35,47/02				96764	2	19/02;7/03	97226	7	17/02
94063	4	29,33,41/02;8/03				96800	4	19*,41/02	97227	11	21,24,42,43/02;9/03
94067	10	33/02;10,11/03				96840	3	19/02	97228	15	21,28,30,39,40,42,43/02;5,6,9/03
94080	7	15,27,29,30,33,44,48/02;10/03				96901	3	19,27/02;7/03	97229	12	18,24,27,31,36,39,47/02;6,8,9/03
94082	8	25,27,30,44/02;8/03				96902	2	45/02	97230	18	29,36,52/02;6,9/03
94083	12	17,25,44/02				96904	2	27,41/02;12/03	97231	10	31,33/02;1,5,9/03
94084	1	23,25/02				96906	2	27/02	97232	8	15,20,25/02
94120	6	19,21,33,38,48,52/02;9,10/03				96910	1	10/03	97233	11	31,33,43,44,49/02;1,5,6,9/03
94122	7	19,30,40/02				96937	2	40/02	97234	17	29,43,47,49/02;1,6,8,9/03
94123	9	21,33,38,42,44,52/02;9,10/03				96938	4	4/03	97236	20	31,47/02;9/03
94124	13	38,42,44/02;10/03				96939	3	4,7,9/03	97237	10	31,33/02;1,5,9/03
94127	2	21,33,38/02;6,9,13/03				96941	8	47/02	97241	6	10/03
94160	7	26,27,33,38,44,46,47,50,51,52/02;9,10,12/03				96943	15	44/02;1,9,10,12/03	97243	8	21,28,29,31,33,48/02;1,5,6/03
94164	2	26,27,46,50,51/02;12/03				96944	6	45,52/02;6,13/03	97244	5	9/03
94165	4	20,26,50/02				96945	3	43,52/02			
94180	9	26,32,42,44,47,50,51/02				96947	15	6,12,13/03			
94184	2	N51/02				96949	21	45/02			
						96960	3	7/03			
						96962	4	19,30,35/02;1,9/03			
						97021	7	16/02			

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 13/03

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.
97245	11	17,28,36/02;1,5,9/03	804567	4	N17/02
97246	7	43,52/02;5/03	805118	3	N12/03
97251	4	6,10/03	805647	2	N37,N51/02
97261	15	17,18,41/02;1,5,7/03	807861	2	N27/02
97262	10	21,29,34/02;1,5,6,7/03	808528	1	N25/02
97263	10	5,7,9/03	809310	9	N18,N39/02
97266	5	17,37,41/02;1,5,6,7/03	809679	2	N25,N50/02;N12/03
97267	16	17,18,25,29,40,41/02;1,5,6,8,10,13/03			
97268	10	6/03			
97269	11	20,45/02;8,13/03			
97270	6	36,44/02;1,5/03			
97271	12	17,18,25,29,37,39/02;6,10,12/03			
97272	11	19,52/02;6,10,12/03			
97273	10	19,27,34,42,45,49/02;6,8,9,13/03			
97274	19	19,27,31,34,39,45/02;6,9/03			
97276	1	27,29,40/02;9/03			
97277	11	17,27/02;1,5,6,8,9/03			
97278	11	39/02;1/03			
97279	9	27/02;9/03			
97280	4	52/02			
97281	2	41/02			
97283	3	45/02;9/03			
97285	6	19,23,27,31,34,42/02;7,13/03			
97286	6	21,23,25,27,31,34,35,36,41,42/02;6,8,10,13/03			
97287	5	34/02			
97300	6	1,13/03			
97303	3	18,25,47,48/02			
97320	6	33/02			
97340	8	27,33,38,52/02			
97341	9	27,34/02			
97342	14	27,38/02			
97343	12	27,38/02			
97360	6	20,23,27,38/02;5,7,13/03			
97380	7	21,39,47,52/02;1,2,8/03			
97381	7	27/02;7,13/03			
97382	2	41,45/02;4/03			
97383	16	31/02;5,7,13/03			
97384	4	47/02			
97385	10	31,52/02;5,6,7,9/03			
97387	2	4,5,7/03			
97389	1	39/02			
97390	5	31,39,40/02;2,5,12/03			
97391	26	31/02;6,7,12/03			
97392	5	21/02;1/03			
97396	14	18,21,36,39,40/02;2/03			
97397	7	18,25,39,49/02			
97398	3	21,25,49/02			
97400	3	25,26/02;1,12/03			
97410	8	21/02			
97412	7	40/02			
97420	17	21,34,39,42,47,52/02;1,8,10/03			
97421	13	20,35,36/02;1,10,13/03			
97423	2	20,35,36/02;1,13/03			
97425	6	34,39,47,52/02;1,6,8,10/03			
97440	8	20,23,27,52/02;1/03			
97441	5	20,46/02			
97460	7	40/02;5/03			
97461	9	21/02;5,8/03			
97465	9	21/02;1,6,8/03			
97466	2	25,46/02;1/03			
97469	10	26/02;1,6,8/03			
97471	5	N31/02			
97472	8	34/02			
97474	7	21/02			
97480	7	21,35,52/02;3,9,10/03			
97481	6	47,49/02;9/03			
97483	7	48,52/02			
97521	6	19,42/02			
800669	8	N20/02			
800744	1	N22,N49/02;N5,N12,N13/03			
801217	1	N21/02;N6,N8/03			
801885	3	N28/02			
802202	8	N23,N31,N35/02;N1,N7/03			
802260	5	N20/02			
803404	2	N26/02			
804037	1	N28/02			
804059	2	N20/02			

SECTION II

NM 13/03

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 6							
62AHA62432 (7642014013373)	<u>Mina'al Ahmadi and Approaches</u>	75,000	<u>16</u>	<u>2/03</u>	A	6-20,24	13/03
	<u>Plan: Mina'al Ahmadi</u> (Plan not shown on index)	25,000					
MISCELLANEOUS CHARTS AND PUBLICATIONS							
DNCDX008 (7644014354834)	Southern Europe		<u>18</u>	<u>1/03</u>	DS	10-43	13/03
DNCDX010 (7644014381568)	Middle East		<u>13</u>	<u>1/03</u>	DS	10-43	13/03
DNCDX011 (7644014499671)	South China Sea		<u>9</u>	<u>1/03</u>	DS	10-43	13/03
DNCDX012 (7644014474190)	Japan/North Pacific		<u>13</u>	<u>1/03</u>	DS	10-43	13/03
DNCDX022 (7644014609963)	Barents Sea		<u>5</u>	<u>1/03</u>	DS	10-43	13/03
CDPUBSUMV2 (7644014673959)	<u>(Volume 2) Eastern Atlantic and Arctic Oceans, Including the Mediterranean Sea (Regions 3, 4 and 5)</u>			<u>2003</u>	<u>GPO</u>	10-23, 39	13/03
MEDITERRANEAN SEA WALL CHARTS							
WOXZP5620 (7642014009617)	<u>Northwestern Section</u>		<u>1</u>	<u>9/71</u>	D	10-16, 40	13/03
WOXZP5621 (7642014009618)	<u>Northcentral Section</u>		<u>1</u>	<u>9/71</u>	D	10-16, 40	13/03
WOXZP5622 (7642014009619)	<u>Northeastern Section</u>		<u>1</u>	<u>9/71</u>	D	10-16, 40	13/03
WOXZP5623 (7642014009615)	<u>Southwestern Section</u>		<u>1</u>	<u>9/71</u>	D	10-16, 40	13/03
WOXZP5624 (7642014009616)	<u>Southcentral Section</u>		<u>1</u>	<u>9/71</u>	D	10-16, 40	13/03
WOXZP5625 (7642014009622)	<u>Southeastern Section</u>		<u>1</u>	<u>9/71</u>	D	10-16, 40	13/03
WOXZP5626 (7642014009623)	<u>The Mediterranean (Summary Chart)</u>		<u>1</u>	<u>9/71</u>	D	10-16, 40	13/03

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

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

SAILING DIRECTIONS CORRECTIONS

PUB 153 9 Ed 2000 LAST NM 8/03

Page 78—Line 42/R; read:

Two sets of range lights lead through the harbor entrance. The first set is in line bearing 047°; it has been reported (2002) that the sensitivity of the range is such that it is difficult to determine if the vessel is right or left of the range; the forward marker is located above a highway and may be obscured. The second set is in line bearing 037°, although it has been reported (2002) that the rear structure is obscured by buildings and vegetation; the rear structure may also be difficult to discern due to a similar-colored roof in its vicinity.

(PUBS 009-03; PUBS 041-02; PUBS 033-02) 13/03

PUB 163 8 Ed 2002 LAST NM 51/02

Page 173—Line 14/R; insert after:

Indonesia Port Corporation IV
<http://www.portina4.go.id/mksr.htm>

(NIMA) 13/03

Page 178—Line 40/R; insert after:

Port of Parepare
<http://www.portina4.go.id/pare2.htm>

(NIMA) 13/03

Page 181—Line 29/R; insert after:

Port of Pantoloan
<http://www.portina4.go.id/pantol.htm>

(NIMA) 13/03

Page 193—Line 58/L; insert after:

Port of Bitung
<http://www.portina4.go.id/bitung.htm>

(NIMA) 13/03

Page 195—Line 16/R; insert after:

Port of Gorontalo
<http://www.portina4.go.id/gortal.htm>

(NIMA) 13/03

Page 209—Line 54/L; insert after:

Port of Kendari
<http://www.portina4.go.id/kndri.htm>

(NIMA) 13/03

Page 239—Line 2/R; insert after:

Port of Balikpapan
<http://www.portina4.go.id/bpapan.htm>

(NIMA) 13/03

Page 243—Line 17/L; insert after:

Port of Samarinda
<http://www.portina4.go.id/smrnd.htm>

(NIMA) 13/03

Page 254—Line 52/R; insert after:

Port of Tarakan
<http://www.portina4.go.id/tarkan.htm>

(NIMA) 13/03

PUB 172 9 Ed 2001 LAST NM 12/03

Page 120—Line 38/R; read:

A wreck, with a depth of 4.5m, lies about 1 mile W of Ras (Fr NM 46/02, Section 4.2) 13/03

Page 165—Lines 42 to 47/L; read:

Qalhat LNG Terminal (22°41'N., 59°24'E.) (World Port Index No. 48240) is situated about 1.4 miles SE of the village. The terminal consists of two T-shaped jetties extending about 0.2 mile from shore in a semi-protected bay open to the sea.

Winds—Weather.—The terminal is sheltered, by the mountains to the S, from the strong winds of the Southwest Monsoon during the summer (June to September). During the remainder of the year, the terminal is exposed to the Northeast Monsoon.

PUB 172 (Continued)

Depths—Limitations.—The LNG Jetty can accommodate vessels up to 125,845 dwt, with a maximum length of 310m and a maximum draft of 12.1m.

The MOF Condensate Jetty can accommodate vessels up to 13,000 dwt, with a maximum length of 140m and a maximum draft of 7.7m. An underkeel clearance of 2m is required to be maintained at all times.

Aspect.—A conspicuous flare, 106m in height, is located in the terminal.

Pilotage.—Pilotage is compulsory for all vessels using the terminal. The pilot boards in position 22°43.0'N, 59°27.5'E. Berthing and unberthing can be done 24 hours.

Regulations.—Vessels must send their ETA via fax when departing their previous port. The ETA should also be sent 96 hours, 48 hours, 24 hours, and 5 hours prior to arrival. Any significant change greater than 12 hours should also be sent.

Anchorage.—Anchorage can be obtained about 2 miles E of the LNG Jetty, in a bottom of mud, sand, and shingle. Permission from the terminal is required to anchor.

Caution.—Fishing activity, mainly during the hours of darkness, occurs in the approaches to the terminal. Drift nets in excess of 1,000m long are used; both the nets and the fishing boats setting them are poorly lit. Because of this, approaching and departing the terminal should be made with caution, preferably maintaining a NE or SW course, as appropriate, until well clear of the coast.

(US NM 10/62350/03; US NM 6/02, Section II) 13/03

Page 199—Line 43/R; insert after:

Balal Oil Field (26°18'N., 52°33'E.), a lighted platform, stands about 9 miles SSE of Shah Allum Shoal. A submarine pipeline extends NE from the platform to Jazireh-ye Lavan.

(US NM 10/62480/03) 13/03

Page 221—Lines 44 to 45/L; read:

pilot boards about 1 mile NE of the Umm Said Approach Lighted Buoy.

Regulations.—A Vessel Traffic Control Service (VTCS) operates in the

(BA NM 45/02, Section VI; US CH 62402) 13/03

Page 221—Lines 52/L to 3/R; read:

All vessels bound for Umm Said are required to call Musay'id Traffic Control 6 hours before arrival at Mishut Lighted Buoy. Vessels are also required to report their status when within 5 miles of Mishut Lighted Buoy. In addition, a vessel should contact the VTCS when transiting inbound or outbound on passing the following:

1. Mishut Lighted Buoy.
2. Hull Lighted Buoy (Mesaieed West Channel).
3. Lighted Buoy E-02/Lighted Buoy E-03 (Mesaieed East Channel).
4. Lighted Buoy E-15 (Mesaieed East Channel).
5. SE Arif Lighted Buoy.
6. No. 1 Inner Lighted Buoy.
7. Turning Lighted Buoy.
8. Fairway Lighted Buoy.

(BA NM 45/02, Section VI; BA NP 286(3)) 13/03

Page 232—Line 3/R; insert after:

It has been reported (2003) that the intense background lighting in the port makes the lighted navigational aids difficult to distinguish at night.

(PUBS 008-03) 13/03

PUB 180 3 Ed 2002 LAST NM 6/03

Page 82—Lines 11 to 28/R; read:

These five areas are contiguous to each other and have been designated, as follows:

1. **END202**—An area bounded by lines joining the following positions:

- a. 60°09'58"N, 4°04'54"E.
- b. 60°09'58"N, 4°34'54"E.
- c. 59°54'58"N, 4°34'54"E.
- d. 59°54'58"N, 4°04'54"E.
- e. 60°09'58"N, 4°04'54"E.

2. **END203**—An area bounded by lines joining the following positions:

- a. 60°09'58"N, 4°34'54"E.
- b. 60°09'58"N, 4°56'54"E.
- c. 59°54'58"N, 4°56'54"E.
- d. 59°54'58"N, 4°34'54"E.
- e. 60°54'58"N, 4°34'54"E.

3. **END204**—An area bounded by lines joining the following positions:

- a. 59°52'58"N, 4°26'54"E.
- b. 59°52'58"N, 4°56'54"E.
- c. 59°39'58"N, 4°56'54"E.
- d. 59°39'58"N, 4°26'54"E.
- e. 59°52'58"N, 4°26'54"E.

4. **END259**—An area bounded by lines joining the following positions:

- a. 59°54'58"N, 4°26'54"E.
- b. 59°54'58"N, 5°04'54"E.
- c. 59°50'58"N, 5°04'54"E.
- d. 59°48'58"N, 4°56'54"E.
- e. 59°52'58"N, 4°56'54"E.
- f. 59°52'58"N, 4°26'54"E.
- g. 59°54'58"N, 4°26'54"E.

5. **Stolmen**—An area bounded by lines joining the following positions:

- a. 60°01.3'N, 5°01.3'E.
- b. 60°02.9'N, 5°01.3'E.
- c. 60°05.0'N, 4°57.0'E.
- d. 59°59.0'N, 4°57.0'E.

(3(171)03 Stavanger) 13/03

PUB 192 7 Ed 2000 LAST NM 8/03

Page 102—Lines 38 to 47/L; read:

Regulations.—The following rules apply within the Precautionary Area situated in Rede van Vlissingen (see Directions):

(Belg NM 5/03) 13/03

Page 102—Lines 10 to 17/R; read:

Directions.—A Precautionary Area is situated within Rede van Vlissingen (Flushing Road) and comprises the

PUB 192 (Continued)

main channel and its approaches. Scheur, the main deep-water approach channel, leads into the W side of this area and Oostgat, the NW, leads into its N part.

A new Traffic Separation Scheme (TSS) has been established within the Precautionary Area and may best be seen on the chart. This scheme became effective on 1 March 2003 but has not been adopted by the IMO.

The separation zone is centered about 0.7 mile SSE of Vlissingen (Flushing) main light (51°26.3'N., 3°34.5'E.). The westbound traffic lane is situated to the N of the separation zone and the eastbound lane is situated to the S of it.

Anchorage.—Wielingen North Anchorage Area is situated N of the fairway, about 3.6 miles WSW of Vlissingen. It is about 1.5 miles wide, marked by buoys, and may best be seen on the chart. This area is generally used by vessels carrying dangerous goods.

Wielingen South Anchorage Area is situated S of the fairway and centered about 3 miles SW of Vlissingen. It is marked by buoys and may best be seen on the chart.

(Belg NM 5/03) 13/03

COAST PILOT CORRECTIONS

COAST PILOT 2 31 Ed 2001 Change No. 29
LAST NM 11/03

Page 213—Paragraph 344, line 1; read:

Stratford Point Light (41°09'07"N., 73°06'12"W.), 52 feet ...
(49/02 CG1; LL/02) 13/03

Page 214—Paragraph 353, line 4; read:

(41°03'35"N., 73°06'05"W.), 60 feet above the water and shown ...
(49/02 CG1; LL/02) 13/03

Page 223—Paragraph 73, line 8; read:

rocks awash, and is marked by a buoy.
(51/02 CG1; LL/02) 13/03

Page 225—Paragraph 102, line 1; read:

Greens Ledge Light (41°02'30"N., 73°26'38"W.), 62 feet ...
(49/02 CG1; LL/02) 13/03

Page 237—Paragraph 223, line 1; read:

Execution Rocks Light (40°52'41"N., 73°44'16"W.), 62 feet ...
(48/02 CG1; LL/02) 13/03

Page 239—Paragraph 287, line 1; read:

Eatons Neck Light (40°57'14"N., 73°23'43"W.), 144 feet ...
(49/02 CG1; LL/02) 13/03

Page 240—Paragraph 310, line 5; read:

Huntington Harbor Light (40°54'39"N., 73°25'52"W.), 42 feet ...
(50/02 CG1; LL/02) 13/03

Page 243—Paragraph 377, line 1; read:

Stepping Stones Light (40°49'28"N., 73°46'29"W.), 46 feet ...
(48/02 CG1; LL/02) 13/03

Page 247—Paragraph 397, line 3; read:

and a tall tank. **Throgs Neck Light** (40°48'16"N., 73°47'26"W.), 60 ...
(48/02 CG1; LL/02) 13/03

COAST PILOT 3 35 Ed 2002 Change No. 26
LAST NM 12/03

Page 60—Paragraph 910, line 3; read:

accordance with international law.

Fuel oil means any oil used as fuel for machinery in the vessel in which it is carried.

(CL 1981/01) 13/03

Page 60—Paragraph 923, line 2; read:

tons without cargo, fuel oil, lubricating oil, ballast water, fresh ...

(CL 1981/01) 13/03

Page 60—Paragraph 928, line 2 to Paragraph 929; read:

new vessel, as determined by the Commandant (G-MOC).

MARPOL 73/78 means the International Convention for the Prevention of Pollution from Ships 1973, as modified by the Protocol of 1978 relating to that Convention. A copy of MARPOL 73/78 is available from the International Maritime Organization, 4 Albert Embankment, London, SE1 7SR, England.

(CL 1981/01) 13/03

Page 60—Paragraph 950, line 4 to Paragraph 951; read:

carbons as well as animal and vegetable oils.

Oil cargo residue means any residue of oil cargo whether in solid, semi-solid, emulsified, or liquid form from cargo tanks and cargo pump room bilges, including but not limited to, drainages, leakages, exhausted oil, muck, clingage, sludge, bottoms, paraffin (wax), and any constituent component of oil. The term "oil cargo residue" is also known as "cargo oil residue".

Oil residue means—

(1) Oil cargo residue; and

(2) Other residue of oil whether in solid, semi-solid, emulsified, or liquid form, resulting from drainages, leakages, exhausted oil, and other similar occurrences from machinery spaces.

(CL 1981/01) 13/03

Page 61—Paragraph 954; read:

Oil mixture means a mixture, in any form, with any oil content. "Oily mixture" includes, but is not limited to—

(1) Slops from bilges;

(2) Slops from oil cargoes (such as cargo tank washings, oily waste, and oily refuse);

(3) Oil residue; and

COAST PILOT 3 (Continued)

(4) Oily ballast water from cargo or fuel oil tanks, including any oil cargo residue.
(CL 1981/01) 13/03

Page 142—Paragraph 72; strike out.
(NOS 12324) 13/03

Page 61—Paragraph 957; read:

Petroleum Oil means petroleum in any form, including but not limited to, crude oil, fuel oil, sludge, oil residue, and refined products.
(CL 1981/01) 13/03

Page 61—Paragraph 960, lines 2 to 3; read:

into a tank that is completely separated from the cargo oil and fuel oil system and that is permanently allocated to the carriage of ...
(CL 1981/01) 13/03

Page 61—Paragraph 961, line 2; read:

collection of cargo drainings, washings, and other oily mixtures.
(CL 1981/01) 13/03

Page 63—Paragraph 1055, line 1; read:

(2) Carries petroleum oil in bulk as cargo or oil cargo residue; ...
(CL 1981/01) 13/03

Page 108—Paragraph 2568, line 8; read:

Marine VHF radio (Channel 16) or by telephone 540-653-8531.
(CL 1424/02) 13/03

Page 114—Paragraph 6, lines 2 to 5; read:

section of the coast covered by this Coast Pilot. Fog signals are at most of the principal light stations. Many coastal and harbor buoys are ...
(NOS/03) 13/03

Page 128—Paragraph 31, lines 3 to 4; read:

at the south jetty light. Give the jetties a good berth to avoid any loose rocks.
(NOS/03) 13/03

Page 134—Paragraph 71, lines 4 to 5; read:

ends. A fog signal is at the west jetty light. A 327° lighted range marks the channel between ...
(NOS/03) 13/03

Page 140—Paragraph 28, lines 3 to 4; read:

at the south jetty light. Give the jetties a good berth to avoid any loose rocks.
(NOS/03) 13/03

Page 141—Paragraph 64, lines 5 to 7; read:

reported to be 4½ feet. The river forks into three branches about halfway ...
(NOS 12324) 13/03

RADIO NAVIGATIONAL AIDS CORRECTIONS

PUB 117 Ed 2002 LAST NM 50/02

Page 3-15—Lines 2/L to 7/R; read:

INTERNATIONAL ICE PATROL: In February or March, the International Ice Patrol (IIP) will commence its annual service of providing maritime safety information on ice conditions in the vicinity of the Grand Banks of Newfoundland. Reports of ice in this area will originate from various sources, including passing ships and IIP reconnaissance flights. Pending ice severity, the IIP will broadcast the southeastern, southern, and southwestern limits of all known ice in two message bulletins each day and a daily graphical chart containing ice information, to inform ships of the extent of the estimated limits of all known ice. The IIP continually monitors ice conditions in the vicinity of the Grand Banks and will commence iceberg warning information when appropriate; however, regardless of ice density, the IIP will begin broadcasting at least weekly (Friday) updates beginning on the Friday nearest 15 February at 1200UTC.
(PUBS 0007/2003) 13/03

PUB 117 (Continued)

Page 4-89 to Page 4-90; LIST OF COMMERCIAL STATIONS (HF RADIOTELEX/NBDP); replace with below:

COMMERCIAL STATIONS (HF RADIOTELEX/NBDP)

Location	Station (Call Sign)	ITU Channel	Frequencies (kHz)	
			Shore	Ship
Mobile, Alabama, U.S.A.	Mobile (WLO) Selcall: 1090 MMSI: 003660003 Hours of watch: 24 hr.	406	4213	4175
		606	6317	6265.5
		806	8419	8379
		810	8421	8381
		815	8423.5	8383.5
		1205	12581.5	12479
		1211	12584.5	12482
		1605	16809	16685.5
		1615	16814	16690.5
		1810	19685.5	18875
		2215	22383.5	22291.5
		2515	26108	25180
		Republic, Washington, U.S.A.	Republic (KKL) Selcall: 1150 Hours of watch: 1700-0100 GMT	824
4016.4	4016.4			
8183.4	8183.4			
8429.4	8389.4			
12104.4	12104.4			
16345.4	16345.4			
19685.4	18874.9			
26105.4	25177.4			

- Notes:
- (1) Station WLO is part of the ShipCom RadioNetwork. Frequencies listed are assigned.
 - (2) Radiotelex frequencies listed for Station KKL are ARQ carrier center frequency. When calling KKL ARQ, call for at least 60 seconds. KKL uses scanning transceivers on all frequencies except 2522.0 kHz. Each channel is scanned for approximately 10 seconds.
 - (3) AMVER messages may be sent free of charge through any of the above coast radio stations.

PUB 117 (Continued)

Page 4-90; LIST OF COMMERCIAL STATIONS (HF RADIOTELEPHONE); replace with below:

COMMERCIAL STATIONS (HF RADIOTELEPHONE)

Location	Station (Call Sign)	ITU Channel	SSB (carrier) Frequencies (in kHz)	
			Shore	Ship
Marina del Ray, California, U.S.A.	Marina del Ray (KNN) Hours of watch: 24 hr.	416	4402	4110
		814	8758	8234
		1203	13083	12236
		1616	17287	16405
		2214	22735	22039
Mobile, Alabama, U.S.A.	Mobile (WLO) Hours of watch: 24 hr.	405	4369	4077
		414	4396	4104
		607	6519	6218
		824	8788	8264
		830	8806	8282
		1212	13110	12263
		1226	13152	12305
		1607	17260	16378
		1641	17362	16480
		1807	19773	18798
		2237	22804	22108
2503	26151	25076		
Mobile, Alabama, U.S.A.	Mobile (WCL) Hours of watch: 24 hr.	403	4363	4071
		802	8722	8198
		1206	13092	12245
		1601	17242	16360
		2243	22822	22126
Republic, Washington, U.S.A.	Republic (KKL) Hours of watch: 1700-0100 GMT	421	4417	4125
		606	6516	6215
		821	8779	8255
		1221	13137	12290
		1621	17302	16420
		1806	19770	18795

- Notes: (1) Stations KNN and WCL are part of the ShipCom RadioNetwork, operated remotely from Mobile (WLO).
(2) AMVER messages may be sent free of charge through any ShipCom RadioNetwork station.

PUB 117 (Continued)

(1) No.	(2) Name	(3) Type	(4) Position		(5) Frequency	(6) Range	(7) Procedure	(8) Remarks
			Rx	Tx				

UNITED KINGDOM

The VHF direction finding stations of the United Kingdom are for emergency use only. Except for Guernsey and Jersey, all are remotely controlled by a HM Coast Guard Maritime Rescue Coordination Center or Sub-Center (MRCC/MRSC). The following details of operation are common to all of these stations:

- A. Ch.16.
- B. Ch.16 (distress only).
Ch.67. Ch.82 (Jersey only).
- C. Ch.16 (distress only).
Ch.67. Ch.82 (Jersey only).

*1098.3 Portnaguran. 2-0001	RDF	58 14 49 N 6 09 44 W					MRSC Stornoway.	
--------------------------------	-----	-------------------------	--	--	--	--	-----------------	--

13/03

1110 Sandwick. 2-0001							Remove from list.	
--------------------------	--	--	--	--	--	--	-------------------	--

* 13/03

INDIA

1188.1 Calcutta (VWC). 2-2200							Remove from list.	
----------------------------------	--	--	--	--	--	--	-------------------	--

* 13/03

(1) No.	(2) Name	(3) Hours of Transmission	(4) System	(5) Frequency
------------	-------------	------------------------------	---------------	------------------

INDIA

2475 Calcutta (VWC). 2-3070				Remove from list.
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* 13/03

PUB 117 (Continued)

(1) No.	(2) Name	(3) Address	(4) Name of Coast Station	(5) Remarks
5020	Argentina	CONSULTA RADIO-MEDICA; name of coast station. In urgent cases the prefix "XXX" or "PAN" may be used.	Any coast radio station.	<p>Message must be in Spanish. It should include the following information:</p> <p>(a) patient's sex; (b) age; (c) medical history; (d) symptoms; (e) probable cause of the illness or circumstances leading to the accident; (f) any additional information that may aid diagnosis and treatment such as pulse rate, temperature (°C), and cause and severity of the wound.</p> <p>Message must be signed by the Master. This service, provided by Servicio de Asistencia Medica de Emergencia (SAME) (Emergency Medical Assistance Service), assumes no liability for information given in medical consultations.</p>
		*	*	* 13/03
5165	Croatia	RADIOMEDICAL; name of coast station.	Any coast radio station.	<p>Message must be in English or Croatian. It should include:</p> <p>(a) symptoms noted and those experienced by patient; (b) patient's age and sex; (c) date of the accident or onset of illness; (d) temperature, pulse, general condition, and position of the patient; (e) medical equipment carried by the ship.</p> <p>Message must be signed by the Master.</p> <p>Stations provide medical advice to ships of all nationalities. The radiomedical service is free of charge.</p>
		*	*	* 13/03
5820	Sweden	(No specific format).	MRCC Goteborg.	<p>MRCC Goteborg can be contacted by: telephone: 46 31 699050 fax: 46 31 648010 telex: 54 62190 (62190 MRCC S) email: radiomedical@amrcc.sjofartsverket.se</p> <p>If possible, try to contact MRCC Goteborg by phone first when sending e-mail.</p>
		*	*	* 13/03
5860	United States (Atlantic and Gulf)	DH MEDICO; station call sign; group count (number of words in message).	<p>Massachusetts: Boston (NMF), USCG.</p> <p>Virginia: CAMSLANT Chesapeake (Portsmouth) (NMN), USCG.</p> <p>Florida: Miami (NMA), USCG.</p> <p>Louisiana: New Orleans (NMG), USCG.</p>	<p>Telephone calls from ships to doctors or hospitals are handled as regular phone calls in accordance with legally applicable tariffs. Ships requesting medical advice with no specific telephone number will be connected by the USCG. No charge is made for the call when the ship states it is an emergency involving the safety of life or property at sea. Message must be signed by the Master.</p> <p>Messages transmitted to a USCG station are routed to the nearest medical facility. This service (inquiry and reply) is free of charge.</p> <p>Numerous USCG stations continuously guard 2182 kHz (USB) and 156.8 MHz (VHF-FM) and will facilitate the provision of medical advice through their associated Rescue Coordination Center (RCC).</p> <p>The use of the signal "CQ" from the International Code (NVPUB 102) for medical messages is discouraged.</p>
		*	*	* 13/03

PUB 117 (Continued)

(1) No.	(2) Name	(3) Address	(4) Name of Coast Station	(5) Remarks
5862	United States (Pacific)	DH MEDICO; station call sign; group count (number of words in message).	Alaska: Kodiak (NOJ), USCG. California: CAMSPAC Point Reyes (San Francisco) (NMC), USCG. Hawaii: Honolulu (NMO), USCG. Mariana Islands: Guam (NRV), USCG.	Telephone calls from ships to doctors or hospitals are handled as regular phone calls in accordance with legally applicable tariffs. Ships requesting medical advice with no specific telephone number will be connected by the USCG. No charge is made for the call when the ship states it is an emergency involving the safety of life or property at sea. Message must be signed by the Master. Messages transmitted to a USCG station are routed to the nearest medical facility. This service (inquiry and reply) is free of charge. Numerous USCG stations continuously guard 2182 kHz (USB) and 156.8 MHz (VHF-FM) and will facilitate the provision of medical advice through their associated Rescue Coordination Center (RCC). The use of the signal "CQ" from the International Code (NVPUB 102) for medical messages is discouraged.

*

13/03

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3650	- Buoy 19					Green can.	Replaced by can when endangered by ice from Dec. 1 to Apr. 1.
							* 13/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
635	<i>NOAA Data Lighted Buoy 41001 (ODAS)</i>	34 41 00 N 72 39 42 W	FI (4) Y 20s			Yellow boat-shaped hull.	
		*					13/03
9700	- Anchorage Daybeacon B	36 52 19 N 76 20 35 W				NY on pile.	
							13/03
9705	- Anchorage Daybeacon C	36 52 18 N 76 20 22 W				NY on pile.	
							* 13/03
14175	- LIGHT 3		FI G 4s	16	3	SG on pile.	
						*	13/03
	Yeocomico River						
16805	- ENTRANCE LIGHT 2	38 02 26 N 76 30 02 W	FI R 4s	16	4	TR on pile.	Remains of caisson structure at base of pile.
		*					13/03
	Herring Creek						
16915	- JETTY LIGHT 2	38 10 30 N 76 32 53 W	FI R 4s	15	4	TR on skeleton tower.	
		*					13/03
16975	- LIGHT 4	38 07 29 N 76 38 22 W	FI R 4s	15	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
							13/03
	St. Clement Bay						
17155	- Warning Daybeacon	38 13 47 N 76 43 11 W				NW on pile worded DANGER SHOALING.	
		*					13/03
17255	- ENTRANCE LIGHT 1W	38 14 29 N 76 49 29 W	FI G 4s	18	6	SG on multi-pile structure.	
		*				*	13/03
	Wicomico River						
17310	- LIGHT 5W		FI G 4s	15	3	SG on pile.	Light equipment removed from Dec. 1 to Mar 15.
				*			13/03

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

SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17320	- LIGHT 9W		FI G 6s	15	3	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15. * 13/03
17375	Horsehead Cliffs Warning Daybeacon	38 10 18 N 76 51 25 W				NW on pile worded DANGER ROCKS.	* 13/03
Neale Sound							
17400	- CHANNEL LIGHT 2N	38 16 01 N 76 52 02 W	FI R 4s	15	5	TR on pile.	Light equipment removed when endangered by ice. * 13/03
17410	- CHANNEL LIGHT 6		FI R 2.5s	15	3	TR on pile.	Light equipment removed when endangered by ice. * 13/03
17412	- Danger Shoal Daybeacon	38 16 16 N 76 51 50 W				NW on pile worded DANGER SHOAL.	* 13/03
17415	- CHANNEL LIGHT 7		FI G 4s	15	4	SG on pile.	* 13/03
17470	Swan Point Shoal Warning Daybeacon	38 16 46 N 76 55 29 W				NW on pile worded DANGER SHOAL.	* 13/03
17525	- Buoy 4A						<i>Remove from list.</i> * 13/03
17530	- Buoy 5						<i>Remove from list.</i> * 13/03
Baber Point							
17680	- Channel Buoy 2	38 18 04 N 77 00 40 W				Red nun.	* 13/03
18920	- HARBOR JUNCTION LIGHT	38 19 20 N 76 27 14 W	FI (2+1) R 6s	15	3	JR on pile.	* 13/03
19105	CUCKOLD CREEK LIGHT 4		FI R 4s	15	3	TR on pile.	* 13/03
19115	- LIGHT 12		FI R 4s	15	3	TR on pile.	* 13/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
EASTERN BAY AND SOUTH RIVER (Chart 12270)							
West River							
19450	SAUNDERS POINT SHOAL JUNCTION LIGHT	38 53 02 N 76 28 37 W	FI (2+1) R 6s	15	4	JR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*					13/03
19500	- LIGHT 4		FI R 4s	15	4	TR on pile.	Higher intensity beam up and down river. Light equipment removed from Dec. 1 to Mar. 15.
				*	*		13/03
Selby Bay							
19585	- ENTRANCE LIGHT 2		FI R 2.5s	15	4	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
				*		*	13/03
19590	- SOUTH BASIN LIGHT 2	38 54 11 N 76 30 24 W	FI R 4s	15	4	TR on pile.	
							13/03
South River							
19605	- LIGHT 8		FI R 6s	15	4	TR on pile.	
					*		13/03
20020	- LIGHT 12		FI R 4s	15	4	TR on pile.	
				*			13/03
Mill Creek							
20030	- LIGHT 2M	38 59 34 N 76 26 49 W	FI R 2.5s	15	3	TR on pile.	
				*			13/03
20500	- LIGHT 4		Q R	15	4	TR on pile.	Light equipment removed when endangered by ice.
					*		13/03
Cape Charles City							
21450	- LIGHT 1		FI G 4s	15	4	SG on pile.	
				*			13/03
21545	- LIGHT 8		FI R 4s	15	3	TR on pile.	Light equipment removed when endangered by ice.
					*		13/03
21905	- LIGHT 13	37 40 11 N 75 49 57 W	FI G 4s	15	4	SG on multi-pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*					13/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Parkers Creek							
21970	- JUNCTION LIGHT	37 43 36 N 75 48 36 W	FI (2+1) R 6s	15	4	JR on multi-pile structure.	
						*	13/03
21990	- LIGHT 6	37 43 18 N 75 48 28 W	FI R 4s	15	3	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
						*	13/03
Pocomoke Sound							
22100	- LIGHT 2	37 43 37 N 75 54 37 W	FI R 4s	15	3	TR on pile.	
						*	13/03
22130	- LIGHT 2	37 45 18 N 75 48 53 W	FI R 4s	15	3	TR on pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
						*	13/03
CHESTER RIVER (Chart 12272)							
Kent Island Narrows							
26345	- APPROACH LIGHT 1K	38 57 14 N 76 14 36 W	FI G 4s	18	5	SG on pile.	Higher intensity down channel.
						*	13/03
26430	- LIGHT 5		Q G	15	4	SG on multi-pile.	
						*	13/03
26435	- LIGHT 6		Q R	15	4	TR on multi-pile.	
						*	13/03
26460	- CHANNEL LIGHT 13		FI G 4s	15	3	TR on pile.	
						*	13/03
27860	- LIGHT 8	39 32 36 N 75 58 22 W	FI R 2.5s	15	4	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
						*	13/03
29350	- Channel Lighted Buoy 8		Q R		4	Red.	
			*				13/03
*31933	- Light 7		Q G	15	4	SG on Pile	
							13/03
31935	- Light 8	35 56 19 N 75 06 20 W	FI R 4s	15	4	TR on pile.	
	*	*		*		*	13/03
*31937	- LIGHT 9		FI G 2.5s	15	4	SG on pile.	
							13/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
32860 38135	-WRECK LIGHT WR2 5 yards, 245° from wreck.	35 25 18 N 76 33 30 W	Q R	15	3	TR-SY on multi-pile structure.	
	*						13/03
34675	- LIGHT 46		F I R 4s	15	3	TR on pile.	
						*	13/03
34695	- Channel Daybeacon 50	34 42 55 N 76 35 06 W				TR on pile.	
		*					13/03
35040	- LIGHT 19	40 01 15 N 74 04 09 W	F I G 4s	15	3	SG-SY on pile.	
		*					13/03
35130	BARNEGAT BAY LIGHT BB	39 49 21 N 74 08 46 W	Mo (A) W	17	5	MR-I on multi-pile structure.	Maintained year round.
		*					13/03
35155	- LIGHT 42	39 45 46 N 74 10 14 W	Q R	17	3	TR-TY on multi-pile structure.	Maintained year round.
			*				13/03
35170	- LIGHT 47	39 44 33 N 74 08 50 W	F I G 4s	15	4	SG-SY on pile.	
		*		*	*		13/03
35200	- LIGHT 55		F I G 4s	15	4	SG-SY on pile.	
				*	*	*	13/03
35205	- LIGHT 56	39 41 22 N 74 09 44 W	F I R 4s	15	3	TR-TY on pile.	
		*					13/03
35270	- LIGHT 70		Q R	15	4	TR-TY on pile.	
						*	13/03
35335	- LIGHT 86	39 36 13 N 74 12 54 W	F I R 4s	15	3	TR-TY on pile.	
		*					13/03
35795	- Daybeacon 195	39 22 26 N 74 27 33 W				SG-SY on pile.	
		*					13/03
35850	- LIGHT 215		Q G	15	3	SG-SY on pile.	
				*			13/03
35980	- LIGHT 252	39 17 11 N 74 34 40 W	F I R 2.5s	15	3	TR-TY on pile.	
		*					13/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
36610	- LIGHT 445		FI G 4s	15	4	SG-SY on pile.	
					*		13/03
36655	- Daybeacon 457	39 00 07 N 74 50 06 W				SG-SY on pile.	
		*					13/03
36685	- LIGHT 468		Q R	15	4	TR-TY on pile.	
					*		13/03
36700	- LIGHT 471		FI G 4s	15	4	SG-SY on pile.	
					*		13/03
36710	- LIGHT 475	38 58 06 N 74 52 01 W	FI G 4s	15	4	SG-SY on pile.	
					*		13/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1415	<i>USF COMPS Data Lighted Buoy</i>	27 45 36 N 82 37 52 W	FI Y 4s		3	Yellow.	Private aid.
*	*	*	*	*	*	*	* 13/03
2965	- RANGE B FRONT LIGHT	32 54 25 N 79 56 09 W	Q G	16		KRW on pile.	Visible 2° each side of range line.
		*					13/03
4235 35595	PARRIS ISLAND SPIT LIGHT 246	32 16 42 N 80 40 00 W	FI R 4s	16	4	TR-TY on dolphin.	
							* 13/03
4805	- UPPER RANGE REAR LIGHT 490 yards, 319° from front light.		Iso R 6s	53		KRW on skeleton tower on piles.	Visible 4° each side of rangeline.
							* 13/03
5055	- LIGHT 12	32 07 54 N 81 08 06 W	FI R 6s	16	3	TR on pile.	
					*		13/03
Port Wentworth Channel							
5080	- RANGE A FRONT LIGHT	32 08 54 N 81 08 30 W	Q R	16		KRW on pile.	Visible all around.
							* 13/03
5085	- RANGE A REAR LIGHT 51 yards, 349.5° from front light.		Iso R 6s	24		KRW on pile.	Visible all around.
							* 13/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5095	- RANGE B FRONT LIGHT	32 08 54 N 81 08 30 W	Q W	16		KRW on dolphin.	Visible all around. * 13/03
5100	- RANGE B REAR LIGHT 42 yards, 130.4° from front light.		Iso W 6s	25		KRW on pile.	Visible all around. * 13/03
5105	- RANGE C FRONT LIGHT	32 09 00 N 81 08 36 W	Q R	16		KRW on dolphin.	Visible all around. * 13/03
5110	- RANGE C REAR LIGHT 115 yards, 109° from front light.		Iso R 6s	24		KRW on tower.	Visible all around. * 13/03
5125	- RANGE D FRONT LIGHT	32 09 18 N 81 09 18 W	Q W	15		KRW on pile.	Visible all around. * 13/03
5130	- RANGE D REAR LIGHT 50 yards, 303° from front light.						<i>Remove from list.</i> * 13/03
5135	- RANGE E FRONT LIGHT	32 09 24 N 81 09 18 W	Q W	15		KRW on pile.	Visible all around. * 13/03
5140	- RANGE E REAR LIGHT 68 yards, 323.8° from front light.		Iso W 6s	21		KRW on pile.	Visible all around. * 13/03
5275	- Buoy 29					Green can.	 * 13/03
5540	- Buoy 92					Red nun.	 * 13/03
8230	- Daybeacon 8A						<i>Remove from list.</i> * 13/03
31965.2	- Lighted Buoy 4		F I R 2.5s		4	Red.	 * 13/03
31975	- Buoy 6					Red.	 * 13/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
35355	- Daybeacon 219	32 28 54 N 80 41 24 W				SG-SY on pile.	
						*	13/03
35595 4235	PARRIS ISLAND SPIT LIGHT 246	32 16 42 N 80 40 00 W	FI R 4s	16	4	TR-TY on dolphin.	*
							13/03
Skull Creek							
35615	- ENTRANCE LIGHT 3		FI G 2.5s	16	3	SG-SY on dolphin.	
					*		13/03
*Add Heading: *Sabine Bank Channel							
*38900.5	- Buoy 58D					Red nun with yellow triangle.	
							13/03
*Add Headings: *St. Johns River to Matanzas River *Tolomato River							
38905	- Buoy 58E					Red nun with yellow triangle.	
							13/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
640	MARATHON-SP-86-C RACON	28 43 06 N 89 23 36 W		148		On Marathon Platform C.	BAND: S, X SIGN: MOC-SP-86-C. RACON: M(- -). Private aid.
			*				13/03
670	TENNECO 154-3 Lighted Horn Buoy Marks subsea installation.	28 35 48 N 90 28 18 W	Q W			Red.	SIGN: TOC-ST-147-2. HORN: 1 blast ev 20s (2s bl). Private aid.
	*						13/03
730	Mobil-GC-18A RACON	27 56 36 N 91 01 48 W		116		On Mobil Platform A.	BAND: S, X SIGN: MO-GC-18-A. RACON: G(- - +). Private aid.
			*				13/03
760 17705	OYSTER BAYOU LIGHT	29 12 54 N 91 07 43 W	FI W 6s	30	6	NB on skeleton tower on piles.	Ra ref.
				*			13/03
810 18030	Point Au Fer Reef Light	29 22 18 N 91 23 06 W	FI W 5s	44	13	SG on skeleton tower on platform. Colocated with Atchafalaya Channel Light 33.	HORN: 1 blast ev 10s (1s bl). Operates continuously from Nov. 1 to Apr. 30
						*	13/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
825	Texaco-GC-6-A RACON	27 56 48 N 91 38 48 W		35		On Texaco Platform A.	BAND: S, X SIGN: TI-GC-6-A. RACON: X(-••-). Private aid.
			*				* 13/03
952	Samedan-EC-332-A RACON	28 09 48 N 92 51 42 W				On Samedan Platform A.	BAND: S, X SIGN: SD-EC-332-A. RACON: G(- - •) Private aid.
			*				* 13/03
954	Samedan-EC-320 RACON	28 12 48 N 92 50 54 W				On Samedan Platform A.	BAND: S, X SIGN: SD-EC-320-A. RACON: Y(-••-) Private aid.
			*				* 13/03
965	Galveston-Sabine- Calcasieu Fairway Junction RACON	28 18 06 N 92 58 54 W				On Consolidated Natural Gas (CNG) Platform 299-A.	RACON: C(-•••).
			*				13/03
980	Texaco-GB-189-A RACON	27 46 42 N 93 18 30 W		114		On Texaco Platform A.	BAND: S, X SIGN: TEXACO-GB-189-A. RACON: X(-••-) Private aid.
			*				* 13/03
1023	Coastal-WC-504-B RACON	28 27 00 N 93 13 12 W		75		On Coastal Platform B.	BAND: S,X SIGN: COCG-WC-504-B. RACON: B(-•••) Private aid.
			*				* 13/03
1295 25780	COLORADO RIVER WEST JETTY ENTRANCE LIGHT 1	28 35 28 N 95 59 04 W	FIG 2.5s	17	4	SG on skeleton tower.	
		*		*	*		13/03
1480	- LIGHT 11		FIG 4s	16	4	SG on dolphin.	
					*		13/03
APALACHEE BAY (Chart 11405)							
2170	OCHLOCKONEE BAY LIGHT OB	29 56 00 N 84 18 00 W	FIG 4s	17	4	SG on dolphin.	
				*			13/03
2358	DOG ISLAND LIGHT 8		FIG 6s	17	5	TR on pile.	Ra ref.
					*		13/03
2865	- LIGHT 12	29 36 18 N 85 02 06 W	FIG 4s	17	5	TR on pile.	
				*	*		13/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3525	- LIGHT 5	30 14 42 N 85 41 30 W	FI G 4s	17	4	SG on pile.	
					*		13/03
3930	CAUCUS CHANNEL RANGE FRONT LIGHT	30 19 54 N 87 18 54 W	Q G Q G	34 36	3	KRW on skeleton tower on piles.	Visible all around, higher intensity on range line.
			*	*	*		13/03
5070	MOBILE MIDDLE GROUND RANGE FRONT LIGHT	30 15 26 N 88 02 28 W	Q G	30		KRW on skeleton tower on piles.	Visible 2° each side of range line.
		*					13/03
5073	MOBILE MIDDLE GROUND RANGE FRONT PASSING LIGHT		Q W	15	5	On same structure as Mobile Middle Ground Range Front Light.	Obscured on range line, visible elsewhere.
			*				13/03
5077	MOBILE MIDDLE GROUND RANGE REAR PASSING LIGHT		FI W 4s	17	5	On same structure as Mobile Middle Ground Range Rear Light.	Obscured on range line, visible elsewhere.
			*				13/03
6270	- Anchorage Daybeacon B	30 31 07 N 88 05 18 W				NY on pile.	Ra ref.
						*	13/03
DAUPHIN ISLAND TO DOG KEYS PASS (Chart 11374)							
7210	<i>Pascagoula River Obstruction Lighted Buoy 2</i> Marks outer end of submerged ways.					Red.	Private aid.
			*				13/03
7215	<i>Pascagoula River Obstruction Lighted Buoy 4</i> Marks outer end of submerged ways.		FI R 2.5s			Red.	Private aid.
			*				13/03
The Rigolets							
9565	- LIGHT 2	30 09 40 N 89 39 07 W	FI R 6s	17	4	TR on dolphin.	Ra ref.
		*					13/03
10745	- LIGHT 41 240 feet outside channel.	29 34 42 N 89 15 00 W	FI G 2.5s	17	4	SG on pile.	
					*		13/03
12405	- Daybeacon 11 45 feet outside channel limit.	29 22 29 N 89 18 13 W				SG on pile.	
		*					13/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13470	ENGLISH TURN BEND LIGHT 79 RDB Mile 78.0.		Iso G 6s		5	SG on skeleton tower.	
					*	*	13/03
14065	LUCY LIGHT 135 RDB mile 134.9.		Iso G 6s		7	SG on skeleton tower.	
					*		13/03
14505	EVAN HALL LIGHT 177 RDB Mile 177.9.		Iso G 6s		5	SG on skeleton tower.	
					*	*	13/03
15880	- LIGHT 39	29 28 00 N 90 00 00 W	Q G	17	3	SG on pile.	Ra ref.
					*		13/03
16525	- RANGE REAR LIGHT 2,997 yards, 012.2° from front light.		Oc G 4s	67		KRW on platform.	
		*		*			13/03
16540	- WEST JETTY LIGHT 3	29 04 46 N 90 13 46 W	FI G 2.5s	17	3	SG on pile.	Ra ref.
				*	*		13/03
17705 760	OYSTER BAYOU LIGHT	29 12 54 N 91 07 43 W	FI W 6s	30	6	NB on skeleton tower on piles.	Ra ref.
				*			13/03
18075	- LIGHT 41 125 feet outside channel limit.	29 25 06 N 91 20 36 W	FI G 4s	17	4	SG on pile.	Ra ref.
					*		13/03
MORGAN CITY TO PORT ALLEN (Chart 11354)							
Atchafalaya River							
18440 33580	LITTLE WAX BAYOU JUNCTION LIGHT A	29 39 36 N 91 14 30 W	FI (2+1) G 6s	30	5	JG-TY on dolphin.	
					*		13/03
19480	- LIGHT 5	29 33 42 N 92 03 24 W	FI G 6s	17	4	SG on pile.	Ra ref.
					*	*	13/03
22660	- ENTRANCE CHANNEL RANGE B FRONT LIGHT	29 21 18 N 94 45 48 W	Q G Q G	35 37	3	KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
			*	*	*		13/03
24060	BAYTOWN BEND RANGE REAR LIGHT 180 yards, 306.7° from front light.		Iso R 6s	45		KRW on skeleton tower on piles.	Visible 2° each side of rangeline.
		*					13/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CEDAR LAKES TO ESPIRITU SANTO BAY (Chart 11319)							
25780 1295	COLORADO RIVER WEST JETTY ENTRANCE LIGHT 1	28 35 28 N 95 59 04 W	FI G 2.5s	17	4	SG on skeleton tower.	
		*		*	*		13/03
Little Wax Bayou							
33580 18440	- JUNCTION LIGHT A	29 39 36 N 91 14 30 W	FI (2+1) G 6s	30	5	JG-TY on dolphin.	
					*		13/03
34140	- RANGE REAR LIGHT 450 yards, 067° from front light.		Iso G 6s	32		KRW-I on skeleton tower.	Visible on range line only.
						*	* 13/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
690	<i>Columbia River Approach Lighted Whistle Buoy CR</i>	46 11 05 N 124 11 03 W	Mo (A) W		5	Red and white stripes.	RACON: M (– –) HORN: 1 blast ev 30s (3s bl).
	*		*		*		* 13/03
*Add Note:							
SAN PEDRO BAY (Chart 18749)							
Anaheim Bay							
*Buoys in the inner harbor are set to best mark the harbor and are not charted.							
2770	- Entrance Lighted Bell Buoy 1 50 feet outside channel limit.	33 43 00 N 118 06 42 W	FI G 4s		4	Green.	
							13/03
2827	- Channel Buoy 13					Green can.	
		*					13/03
2828	- Channel Buoy 15					Green can.	
		*					13/03
2829	- Channel Buoy 17					Green can.	
		*					13/03
12985	Homly Center Channel Buoy 1	46 08 02 N 118 58 54 W				Green can.	
		*					13/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17085	<i>Puget Sound Traffic Lane Separation Lighted Buoy TC</i>	47 19 29 N 122 27 23 W	FI Y 2.5s		6	Yellow.	
			*				* 13/03
19330	<i>Lawson Reef Lighted Bell Buoy 2</i>	48 24 41 N 122 46 24 W	FIR 2.5s		4	Red.	
		*					13/03
19370	LOPEZ PASS LIGHT 2	48 28 52 N 122 49 06 W	FIR 4s	21	5	TR on house.	
		*					13/03
19390	Center Island Reef Daybeacon 6	48 29 04 N 122 50 12 W				TR on pile.	Ra ref.
		*					13/03
19400	<i>Reef Point Junction Lighted Buoy</i>	48 31 44 N 122 43 33 W	FI (2+1) R 6s		5	Red and green bands.	
		*					13/03
19415	BLAKELY ISLAND LIGHT 4	48 31 52 N 122 48 35 W	FIR 6s	15	4	TR on pile.	
		*		*	*		13/03
19445	Shag Rock Daybeacon	48 35 30 N 122 52 31 W				NW on spindle worded DANGER ROCKS.	
		*					13/03
19450	PEAVINE PASS LIGHT 1	48 35 16 N 122 49 20 W	FIG 4s	22	4	SG on skeleton tower.	
		*			*		13/03
19460	Peavine Pass Rocks Daybeacon	48 35 19 N 122 48 04 W				NR on spindle.	Ra ref.
		*					13/03
19465	TIDE POINT LIGHT 12	48 35 06 N 122 44 28 W	FIR 2.5s	15	4	TR on pile.	
		*					13/03
19480	Cypress Reef Daybeacon C	48 36 47 N 122 43 21 W				JR on pile.	
		*					13/03
19500	<i>Boulder Reef Lighted Bell Buoy 2</i>	48 38 17 N 122 41 42 W	FIR 4s		4	Red.	
		*					13/03
19510	LUMMI ROCKS LIGHT 16A	48 40 10 N 122 40 07 W	FIR 6s	20	5	TR skeleton tower.	
		*			*		13/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19515	THE SISTERS LIGHT 17	48 41 40 N 122 45 25 W	FI G 2.5s	40	4	SG on structure.	
		*					13/03
19550	Twin Rocks Daybeacon	48 26 46 N 122 54 44 W				NR on iron spindle.	
		*					13/03
19845	Orcas Island North Shore Daybeacon	48 42 56 N 122 53 35 W				NW on pile worded DANGER SUBMERGED ROCKS.	Maintained from Mar. 15 to Oct. 15.
		*					13/03
19855	Ewing Island Reef Daybeacon	48 45 41 N 122 52 35 W				NW on pile worded DANGER REEF.	Maintained from Mar. 15 to Oct. 15.
		*					13/03
19880	SANDY POINT LIGHT 2	48 47 13 N 122 42 45 W	FI R 4s	16	4	TR on pile.	
		*			*		13/03
Strait of Georgia							
19886	SANDY POINT LIGHT 3	48 47 17 N 122 42 43 W	FI G 2.5s	15	4	SG on pile.	
		*					13/03
20500	Point Atkinson Light (C)	49 19 49 N 123 15 53 W	FI (2) W 5s 0.25s fl 0.75s ec. 0.25s fl 3.75s ec.	108	15	White hexagonal tower, with buttresses.	Emergency light.
		*			*		13/03
24333	Pond Bay Coast Guard Mooring Buoy						<i>Remove from list.</i>
							* 13/03
28040	- BREAKWATER LIGHT	19 44 34 N 155 04 30 W	FI W 2.5s	30	8	NB on white post. 29	
						*	13/03
28120	WAILOA BASIN CHANNEL LIGHT 1	19 43 27 N 155 04 16 W	FI G 4s	15	4	SG on pile.	
		*		*			13/03
ISLAND OF HAWAII (Chart 19320)							
28125	WIALOA BASIN CHANNEL LIGHT 2	19 43 28 N 155 04 18 W	FI R 2.5s	15	4	TR on pile.	
		*		*	*		13/03
28185	Kailua Light	19 38 16 N 156 00 03 W	Iso W 6s (R sector)	32	W 13 R 10	White pyramidal concrete tower.	Red from 110° to 120°. Obscured from 120° to 263°.
		*					13/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Maui Island							
28385	Pauwela Point Light	20 56 44 N 156 19 17 W	FI W 15s	161	15	White Post. 40	
		*					13/03
28410	MOLOKINI ISLAND LIGHT	20 37 50 N 156 29 51 W	FI W 2.5s	186	6	NR on pile. 30	
		*		*	*		13/03
Tutuila Island							
30235	STEPS POINT LIGHT	14 22 14 S 170 45 35 W	FI W 4s	78	7	NB on spindle. 21	
		*					13/03
30871	- Channel Lighted Buoy 2A	15 13 45 N 145 42 01 E	FI R 2.5s		4	Red.	
		*					13/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
BUFFALO HARBOR (Chart 14833)							
Buffalo Harbor							
2665	- Traffic Lighted Bell Buoy B	42 50 09 N 78 55 26 W	Mo (A) W		8	Red and white stripes.	Maintained from Apr. 28 to Dec. 7.
					*		13/03
2975	Middle Reefs Lighted Buoy EU4 (C)		FI R 4s			Red.	Seasonal. No winter mark.
							* 13/03
3325	HOOKER ELECTROCHEMICAL CRIB LIGHT		FI W 7s	9 3		On post.	Maintained from Apr. 1 to Dec. 1. Private aid.
							* 13/03
3330	HOOKER ELECTROCHEMICAL OUTFALL CRIB LIGHT	43 03 52 N 78 59 37 W	FI W 7s	9 3		On post.	Maintained from Apr. 1 to Dec. 1. Private aid.
		*	*				* 13/03
8575	- Buoy 31					Green can.	Replaced by can from Dec. 21 to Mar. 28. Ra ref.
							* 13/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
St. Clair River							
9825	<i>Fawn Island Upper End Lighted Buoy 42</i>		Q R		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.
					*		13/03
9875	<i>St. Clair Middle Ground Lighted Buoy 48</i>		Q R		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.
					*		13/03
9885	<i>St. Clair Middle Ground Lighted Buoy 52</i>		Q R		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.
					*		13/03
10650	- <i>Lighted Buoy 13</i>	43 43 00 N 83 47 38 W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Apr. 21.
		*					13/03
10685	- <i>Lighted Buoy 20</i>	43 40 23 N 83 49 55 W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr. 21.
		*					13/03
Alpena							
11390	- <i>Junction Lighted Buoy AL</i>	45 02 54 N 83 24 06 W	FI (2+1) R 6s		4	Red with green band.	Replaced by nun from Dec. 1 to Apr. 28.
							* 13/03
21145	- <i>Lighted Buoy 18</i>	44 49 44 N 87 22 33 W	FI R 4s		4	Red.	Replaced by nun from Nov. 21 to Apr. 21.
		*					13/03
Porte Des Morts Passage							
21300	<i>Porte Des Morts Entrance Lighted Bell Buoy</i>	45 13 53 N 86 53 54 W	Mo (A) W		6	Red and white stripes.	Maintained from Apr. 21 to Dec. 1.
		*					13/03
21320	- <i>Outer Shoal Buoy 1</i> Marks east side of shoal.	45 13 58 N 86 55 29 W				Green can.	Maintained from Apr. 21 to Dec. 1.
							* 13/03
21335	<i>Waverly Shoal Lighted Bell Buoy 5</i> Marks northeast side of shoal.	45 17 07 N 86 56 43 W	FI G 2.5s		4	Green.	Replaced by can from Dec. 1 to Apr. 21.
		*					13/03
21900	<i>Chambers Island West Shoal Lighted Bell Buoy 3</i>	45 10 48 N 87 24 23 W	FI G 2.5s		4	Green.	Replaced by can from Dec. 1 to Apr. 21.
		*					13/03
22145	- <i>Lighted Buoy 9</i>	44 37 22 N 87 55 33 W	FI G 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 21.
		*					13/03

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13538 <i>J 5103</i>	Playa Giron.	22° 03.9' N 81° 02.4' W	F.L.W. period 15s	66 20	10	Pedestal on white water tank; 59.	
		*		*		*	13/03
20345 <i>G 1345</i>	Stanley Harbor Range, front.	51° 41.8' S 57° 49.9' W	F.G.	62 19	6	Red beacon, conical topmark.	
			*				13/03
20346 <i>G 1345.1</i>	-Rear, 130 meters 185°44' from front.	51° 41.8' S 57° 49.9' W	F.G.	98 30	6	Red beacon, conical topmark.	
			*				13/03

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2860 <i>F 7201</i>	-Ko, breakwater No. "1".	37° 50.9' N 136° 55.3' E	F.L.G. period 3s	39 12	3	White round concrete tower; 33.	
		*					13/03
2864 <i>F 7201.4</i>	--No. "2", head.	37° 50.9' N 136° 55.3' E	F.L.R. period 3s	39 12	6	Red round concrete structure; 28.	
		*					13/03
2868 <i>F 7201.6</i>	-Outer breakwater.	37° 50.8' N 136° 55.4' E	F.L.G. period 5s	43 13	6	White tower; 31.	
		*					13/03
*3064.1 <i>F 7162.4</i>	-Kokubu Passage.	36° 49.2' N 137° 04.5' E	F.L.(5)Y. period 20s	46 14	5	SPECIAL Y, beacon, topmark, 46.	
							13/03
3132 <i>F 7142</i>	-N. breakwater, head.	36° 49.2' N 137° 23.5' E	F.L.G. period 4s	43 13	12	White tower; 31.	
		*					13/03
3136 <i>F 7144</i>	--S. breakwater, head.	36° 49.2' N 137° 23.5' E	F.L.R. period 3s	26 8	6	Red tower; 22.	
		*		*			13/03
5868 <i>F 6202</i>	--E. breakwater.	34° 48.9' N 137° 13.5' E	Iso.R. period 4s	39 12	8	Red round concrete structure; 28.	
		*	*	*	*		13/03
5920 <i>F 6195.6</i>	Kenasi Shima.	34° 46.2' N 137° 08.5' E	F.L.R. period 3s	43 13	7	Red round concrete structure; 33.	
		*			*		13/03
5924 <i>F 6196.5</i>	-Hazu Ko, breakwater.	34° 47.1' N 137° 08.2' E	F.L.(3)R. period 12s	39 12	3	Red tower; 30.	
		*	*	*	*	*	13/03

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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
8994 <i>F 5688.4</i>	Nino Sima Ko, N. breakwater, head.	34° 18.9' N 132° 25.9' E	FL.R. period 3s	27 8	3	Red tower; 19.	
	*	*	*		*	*	13/03
9798 <i>F 5350</i>	Ganryu Sima.						<i>Remove from list.</i>
							*
							13/03
*9799	Hiko Sima Range, front.	33° 55.9' N 130° 55.6' E	F.Y.	89 27	13	White tower; 85.	
							13/03
*9799.5	-Rear, 90 meters 220° from front.	33° 55.9' N 130° 55.5' E	F.Y.	115 35	13	White tower; 46.	
							13/03
10228 <i>F 5598.3</i>	Saga, Ko Groin.	33° 04.5' N 133° 07.2' E	Fl.(2)G. period 6s	66 20	7	White tower; 39.	
		*	*	*	*	*	13/03
11144 <i>F 5094.2</i>	-W. breakwater, middle.						<i>Remove from list.</i>
							*
							13/03
13960.5	-New Harbor, N. side.	25° 10.1' N 121° 23.4' E	FL.G. period 5s	41 12	8	Green pole; 10.	
		*					13/03
*13961.5	-S. breakwater.	25° 09.4' N 121° 23.2' E	FL.R. period 5s	39 12	8		
							13/03
*13961.7	- -Elbow.	25° 09.3' N 121° 23.1' E	Fl.(2)R. period 4s	46 14	12		
							13/03
CHUMUNJIN HANG:							
16436 <i>F 4450</i>	-Chumunjin Dan.	37° 53.9' N 128° 50.0' E	FL.W. period 7.5s	131 40	20	White round brick tower; 33.	Visible 148°-025°. Siren: 1 bl. ev. 60s. Radiobeacon. Aero Radiobeacon 10.2 miles SSE. DGPS Station.
		*					*
							13/03
16648 <i>F 4410</i>	Daebo Hang, breakwater, head.	36° 04.8' N 129° 33.8' E	FL.R. period 4s	43 13	5	Red round steel tower; 19.	
		*		*		*	13/03
18452.8 <i>F 3953.9</i>	-Meisanqi terminal, head.	39° 55.5' N 119° 40.1' E	F.G.	52 16	3	Metal post; 58.	Harbor limits marked by lit articulated beacons.
			*			*	13/03

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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
21444 <i>F 1697.98</i>	-Pu. Batan.						<i>Remove from list.</i>
							* 13/03
21783 <i>F 1618</i>	Gosong Pasir Selatan.	2° 40.7' N 101° 06.5' E	Q.W.	39 12	11	N. CARDINAL BY, beacon, topmark.	
		*					13/03
25292 <i>K 1560</i>	Bungku Toko.	3° 58.3' S 122° 36.4' E	Fl.W.R. period 2s	39 12	12	Red and white beacon; 30.	R. 260°-298°, W.-260°.
			*				* 13/03
*25318.4 <i>K 1549.15</i>	Beromadilao.	4° 33.7' S 122° 24.3' E	Fl.(2)W. period 7s	39 12	12	White beacon.	
							13/03
*25318.6 <i>K 1549.1</i>	Beromasidi.	4° 34.7' S 122° 17.8' E	Fl.(2)W. period 5s	39 12	12	White beacon.	
							13/03
*25373.5 <i>K 1548.9</i>	-SW.	4° 47.4' S 121° 33.8' E	Fl.(2)G. period 10s	23 7	6	STARBOARD (A) G, beacon, topmark.	
							13/03
*25373.6 <i>K 1548.91</i>	--E.	4° 47.4' S 121° 33.8' E	Fl.(2)R. period 10s	23 7	6	PORT (A) R, beacon, topmark.	
							13/03
30948 <i>D 7301</i>	-Jazirat Salil.	12° 44.3' N 44° 55.0' E	Fl.(2)R. period 15s	65 20	3	White tower; 13.	Difficult to distinguish.
		*				*	* 13/03
*32110	-Fairway Buoy. -RACON	33° 55.6' S 25° 40.4' E	Iso.W. period 2s			SAFE WATER RW, pillar, topmark.	
			C(- - -)				13/03

CORRECTIONS TO PUB 112, DIFFERENTIAL GPS STATIONS, 2003 EDITION

(1) No.	(2) Name	(3) Position	(4) Station ID	(5) Range	(6) Frequency	(7) Transfer Rate	(8) Remarks
*7	Chumunjin.	37°53.9' N 128°50.0' E	T 663 R 726 R 727	100	295		Message Types: 9. DGPS station.
							13/03

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SECTION II

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1068 <i>D 1160</i>	-Etier des Brochets.	46° 59.9' N 2° 01.9' W	Oc.(3)W.R.G. period 12s fl. 4s, ec. 1s fl. 4s, ec. 1s fl. 1s, ec. 1s	26 8	W. 10 R. 7 G. 7	Green tower, white band; 23.	G. 071°-091°, W.-102°30', R.-116°30', W.-119°30', R.-164°30', obsc.-071°.
			*				13/03
*1360 <i>D 1249</i>	-Pointe des Minimés.	46° 08.3' N 1° 10.8' W	Fl.(3)W.G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	26 8	W. 8 G. 5	Metal post on octagonal tower; 49.	W. 059°-213°, G. 313°-059°.
							13/03
23724 <i>D 2744</i>	-Camara de Lobos, bay, W. side.	32° 38.7' N 16° 58.5' W	Oc.R. period 6s fl. 4s, ec. 2s	75 23	9	White hut; 6.	Visible 304°-099°.
				*			13/03

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
360 <i>C 0360.1</i>	-Rear, 275 meters 074° from front.	58° 21.9' N 11° 21.6' E	Q.W.	82 25	10	Lantern on white pedestal.	Visible 028°-049°30'.
					*		13/03
708 <i>C 0489</i>	-Hatteberget.	57° 51.8' N 11° 27.5' E	Fl.(2)W.R.G. period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	85 26	W. 21 R. 18 G. 18	Black tower, red bands, gray base; 85. Helicopter platform.	W. 008°-110°, R.-152°, G. (16M)-225°, W. (18M)-260°, R. (15M)-346°, G.-008°.
	-RACON		G(- - -) period 30s		15		*
							13/03
GOTEBORG APPROACH:							
1024 <i>C 0569</i>	-Trubaduren.	57° 36.0' N 11° 38.0' E	L.Fl.(3)W.R.G. period 30s fl. 3s, ec. 3.5s fl. 3s, ec. 3.5s fl. 3s, ec. 14s	79 24	W. 20 R. 18 G. 17	Black tower, orange top on gray base; 84. Floodlit. Helicopter platform.	W. 005°30'-131°36', R.-163°30', G.-214°24', W.-237°12', R.-247°30', G.-005°30'.
			F.R.	59 18	13		Visible 064°-131°.
	-RACON		T(-) period 30s		14		*
							13/03
1204 <i>C 0647</i>	-Lyngskar.						<i>Remove from list.</i>
							*
							13/03

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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
* 1236 C 0673	Malo.	57° 20.2' N 11° 57.7' E	Fl.(3)W.R.G. period 9s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 5.7s	32 10	W. 8 R. 6 G. 5	White concrete tower; 29.	G. 316°-341°, W.-019°, R.-030°, G.-059°30', W.-091°, R.-106°.
							13/03
1268 C 0682	Krogstadsudde Batfjorden.	57° 15.0' N 12° 06.0' E	Fl.(4)W.R.G. period 12s	49 15	W. 5 R. 3 G. 3	White wooden tower; 23.	G. 039°-079°, W.-091°30', R.-180°, W. (unintensified)-shore.
							*
							13/03
5496 C 2408	Hollviken, channel, W. side.	55° 30.7' N 12° 50.9' E	Fl.(2)W.R.G. period 6s	30 9	W. 9 R. 7 G. 6	Tower, top half white, bottom green, white lantern; 34. Floodlit.	G. 012°30'-017°, W.-019°, R.-057°, G.-064°, W.-069°, R.-081°, G.-112°30', R.-132°, G.-145°, W.-149°, R.-163°, G.-174°, W.-178°, R.-193°, G.-325°, W.-334°30', R.-012°30'. Radar reflector.
	RACON		N(-·) period 30s		12		
		*				*	*
							13/03
7744 C 7268	-Karehamn Range, front.	56° 57.0' N 16° 53.0' E	Q.R.	20 6	10	Pole, white triangular daymark, red border.	Fishing lights. Synchronized. Shown Sept. 1 to May 31.
			*		*		*
							13/03
7748 C 7268.1	-Rear, 180 meters 289° from front.	56° 57.5' N 16° 52.8' E	Oc.R. period 5s	36 11	10	Pole, white triangular daymark, red border.	Fishing light. Shown Sept. 1 to May 31.
			*		*		*
							13/03
8968 C 6677.6	Stenskar.	58° 54.0' N 17° 43.0' E	Fl.W.R.G. period 3s fl. 0.7s, ec. 2.3s	33 10	W. 10 R. 7 G. 6	White hut, red roof. Floodlit.	G. 154°06'-179°54', W.-184°42', R.-284°48', G.-348°18', W.-353°54', R.-002°12', G.-022°, W.-023°12', R.-057°54'.
							*
							13/03
8976 C 6677.81	-Regarn, rear, 4.8 km. 172° from front.	58° 57.9' N 17° 43.6' E	Iso.W.R.G. period 4s	20 6	W. 6 R. 4 G. 3	White hut, green band.	G. 354°-008°, W.-175°, R.-211°.
							*
							13/03
8980 C 6678	Notholmen.	59° 03.0' N 17° 41.0' E	Fl.W.R.G. period 3s	10 3	W. 10 R. 7 G. 6	White round hut, red roof.	G. 119°06'-160°30', W.-166°30', R.-296°36', G.-307°42', W.-319°12', R.-341°48'.
							*
							13/03
9852 C 7163	Bungeor, S. entrance to Farosund.	57° 50.0' N 19° 07.0' E	L.Fl.(2)W.R.G. period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	46 14	W. 10 R. 7 G. 6	White tower, black band; 46.	G. 201°-207°, R.-215°, G.-230°, W.-235°30', R.-264°, G.-308°, W.-003°, R.-030°, G.-158°30', R.-183°.
					*		*
							13/03
10064 C 6374	-Tyro, on islet.	59° 46.6' N 19° 07.5' E	Fl.W.R.G. period 5s fl. 0.7s, ec. 4.3s	33 10	W. 10 R. 8 G. 6	White hut, green band.	G. 021°-028°, W.-035°, R.-090°, G. 112°-156°, W.-161°, R.-169°.
			*		*		*
							13/03

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
10088 <i>C 6377.5</i>	-Tistelo, S. point.	59° 47.0' N 18° 51.0' E	Fl.(2)W.R.G. period 6s	20 6	W. 6 R. 4 G. 3	White shed, lower part green.	G. 251°42'-264°36', W.-270°, R. 348°, G.-069°, W.-074°, R.-089°30'. Radar reflector.
							* 13/03
10296 <i>C 6238</i>	Argos Grund.	60° 37.7' N 18° 21.6' E	Fl.W. period 3s	56 17	9	Yellow tower, black band, on gray base in water; 59.	
	RACON		O(---) period 30s		14		(3 & 10cm)
		*			*		* 13/03
10632 <i>C 6062</i>	-Krakskar.	61° 34.0' N 17° 20.0' E	Fl.(4)W.R.G. period 12s	49 15	W. 9 R. 6 G. 5	White and orange tower; 20.	G. 109°-152°, W.-158°, R.-173°, G.-185°, W.-189°, R.-220°, G.-247°, W.-253°, R.-255°, G.-257°, W.-266°30', R.-271°, G.-275°30', W.-281°, R.-285°.
	*		*		*		* 13/03
11232 <i>C 5898</i>	-Tuvan Range, front.	63° 45.0' N 20° 19.0' E	F.R.	12 4	12	Perch, white triangular daymark, black band.	The channel to Umea above Tuvan is marked by range beacons showing W., R., and G. lights of characteristic F., Fl. and Oc.
			*				* 13/03
11236 <i>C 5898.1</i>	--Rear, 125 meters 347° from front.	63° 44.9' N 20° 19.1' E	F.R.	23 7	12	Perch, white triangular daymark, point down, black band.	Synchronized with front.
			*				* 13/03
11324 <i>C 5840</i>	Yttre Vannskar.	64° 10.0' N 21° 08.0' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1.3s fl. 0.7s, ec. 1.3s fl. 0.7s, ec. 4.3s	48 15	W. 9 R. 7 G. 6	Concrete and iron tower, black and white spiral bands upper part red; 37.	G. 219°30'-223°30', W.-228°30', R.-237°30', G.-247°30', W.-354°, R.-004°, G.-015°, W.-022°, R.-040°, R. (unintensified)-050°, W. (unintensified)-084°.
			*		*		* 13/03
SKELLEFTEA APPROACH:							
11380 <i>C 5811.8</i>	-Sor-Olsgrundet.	64° 38.8' N 21° 16.7' E	Fl.W.R.G. period 5s	48 15	W. 8 R. 6 G. 5	Framework tower; 39.	R. 199°-244°, G.-258°30', W.-270°, R.-300°, G.-310°, W.-199°.
	-RACON		M(---) period 30s		13		
	*		*	*	*	*	* 13/03

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.

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 13/03**

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.
NIMA HYDRO CATALOG			CATP2V01U					
Region 1	2002	1* 2,3,4,7,8,9,10,11/03	SDPUB153	2000	6/01*:28,30,41,44,46,47,48,52/02;1,3,4,8,13/03	COMDTM165024	2002	30*,31,32,33,34,35,36,37,40,41,42,43,45,46,47,48,49,50,51,52/02;1,2,3,4,5,7,9,10,11,12,13/03
Region 2	2002	1*/8/03	SDPUB154	2002	17*,19,31,42,44,45,46,48,50/02;3/03	COMDTM165025	2002	16/02*
Region 3	2002	1/03*	SDPUB155	2001	31*,48/01;10,45,46/02	COMDTM165026	2002	35*,36,40,41,42,43,44,45,46,47,48,49,50,51,52/02;1,2,4,5,6,7,8,9,10,11,12,13/03
Region 4	2002	1/03*	SDPUB157	2000	20*,27,29,33,34,35,38,41,44,48/00;1,3,4,6,7,11,12,13,21,23,32,47/01;2,5,9,13,14,20,22,27,38/02	COMDTM165027	2002	16*,17,18,19,20,21,22,23,25,27,29,30,32,33,34,36,37,40,43,45,46,47,48,50,51,52/02;1,4,6,13/03
Region 5	2002	1*,3,5,8/03	SDPUB158	2000	50/00*:5,10,12,13,15,17,20,24/01;46/02			
Region 6	2002	1*,10,11,13/03	SDPUB159	2002	42*,48/02	FLEET GUIDES		
Region 7	2002	1*/11/03	SDPUB160	2002	47*,48,49,52/02;6,8,10,11/03	FGPUB940ATL	2001	N47/01*
Region 8	2002	1/03*	SDPUB161	2002	23*,24,44,47,48/02;5,12/03	FGPUB941PAC	2001	N22/01*
Region 9	2002	1/03*	SDPUB162	2001	51/01*:5,12/03	NOS MISCELLANEOUS PUBLICATIONS		
Miscellaneous Charts and Publications	2002	1* 2,4,5,6,7,9,11,12,13/03	SDPUB163	2002	18*,20,21,26,46,51/02;13/03	NOSPBCATALOG1	2000	20/00*
NIMA LIST OF LIGHTS			SDPUB164	2000	30/00*:31,35,36/01;8/03	NOSPBCATALOG2	2000	34/00*
LLPUB110	2003	7* 8,9,11,13/03	SDPUB171	2001	40*,47,48,52/01;5,9,14,16,41/02	NOSPBCATALOG3	2000	28/00*
LLPUB111	2002	35*,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52/02;1,2,3,4,5,6,7,8,9,10,12/03	SDPUB172	2001	1*,2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02;1,11,12,13/03	NOSPBCATALOG4	2000	34/00*
LLPUB112	2003	4* 5,6,7,8,9,10,11,12,13/03	SDPUB173	2002	50*,51/02;3/03	ALMANACS		
LLPUB113	2002	45*,47,48,50,51,52/02;1,2,3,4,5,6,7,8,10,11,12,13/03	SDPUB174	2000	7*,19,37,45,51,52/01;1,5,14,19,22,28,33,37,38,48/02	AIRALMANAC301	2003	44/02*
LLPUB114	2002	13*,15,16,17,19,20,21,22,23,24,31,32,34,35,36,38,39,40,41,43,45,46,47,48,49,51/02;1,4,5,6/03	SDPUB175	2001	41*,43,45,51/01;8,11,12,13,14,16,17,21,27,37,41,49/02	NAUTALMANAC03	2003	44/02*
LLPUB115	2002	39*,40,41,44,45,50,51,52/02;1/03	SDPUB180	2002	32*,33,42,47,48,50/02;6,13/03	COAST PILOT		
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;1,2,4,5,6,7,8,9,10,11,12,13/03	SDPUB181	2002	38*,39/02	NOSPBCP1	32	37*,39,41,47,51/01;1,5,7,13,18,33,37,39,42,45,49,51/02;3,9,10/03
SAILING DIRECTIONS			SDPUB182	2001	8*,10,12,41/02	NOSPBCP2	31	44*,47,51,52/01;5,7,12,13,18,23,33,37,39,42,45,48,51/02;3,6,11,13/03
CDPUBSD131	2002	9/03*	SDPUB183	2001	27/01*:13,15,16/02	NOSPBCP3	35	3*,5,7,12,15,17,18,21,22,27,28,33,37,42,45,49,51/02;3,10,12,13/03
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;2,9,12/03	NOSPBCP4	34	49*,51/02;12/03
CDPUBSD194	2002	6*,8/03	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;2,4,5,6,7,8,13/03	NOSPBCP5	30	2*,6,10,12/03
SDPUB120	2001	12*,18,48,49,51/01;8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02;4,6,7,8,9,10,11,12/03	SDPUB193	2000	27*,38,49/00;9,26,27,31,32/01;14,15,26,52/02	NOSPBCP6	32	19*,20,21,33,39,45,47,49,51/02;3,6/03
SDPUB123	2001	45*,47,48/01;1,14,17,18,19/02	SDPUB195	2002	33*,40,49,51,52/02;1,2,3/03	NOSPBCP7	34	1*,3,10/03
SDPUB124	2001	18*,44,45,47,48,49,52/01;17,19,20,21,29,30,31,34,46,50/02	SDPUB200	2002	38*,39,42/02	NOSPBCP8	24	3*,5,16,17,19,23,33,37,40,47,50,51/02;9/03
SDPUB125	2000	6*,9,10,20,21,40/00;36,37,45,46/01;14,17,33,35,38,40/02	USCG LIGHT LIST VOLUMES I - VII			NOSPBCP9	20	12*,20,23,33,37,45,50,51/02;3,6,9,10/03
SDPUB126	2002	39*,41,42,43,44,45,48/02	COMDTM165021	2002	30*,31,32,33,34,35,36,37,39,40,41,42,43,44,45,46,47,48,49,50,51,52/02;1,2,4,5,6,7,8,9,11,12,13/03	RADIO NAVIGATIONAL AIDS		
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	COMDTM165022	2002	16*,17,18,19,20,21,22,23,25,26,27,28,29,30,31,32,33,34,35,36,37,40,41,42,43,44,45,46,47,48,49,50,51,52/02;1,2,3,4,5,6,7,9,10,11,12,13/03	RAPUB117	2002	50/02*:13/03
SDPUB132	2000	39*,45/00;16,17,31,35/01;1,12,21,25,26/02;2,10/03	INTERNATIONAL CODE OF SIGNALS			NVPUB102	1999	46/99*:52/01
SDPUB140	2001	21*,48,49,51/01;8,17,23,32,42,43,44,46,47,48,50/02;4,6,7,8,9,11,12/03	WORLD PORT INDEX			NVPUB150	2000	50/00*:14,15,16,20,21,41,42,43,44,45,46,47,48,49,51,52/01;1,2,5,6,10,11,12,16,19,21,22,27,31,32,33,36,39,40,42,46,49/02;2,7,10/03
SDPUB141	2001	21*,38/01	DISTANCES BETWEEN PORTS			NVPUB151	2001	4/02*
SDPUB142	2000	49/00*:3,31,35/01;1,15,43/02	RADAR NAVIGATION AND MANEUVERING BOARD MANUAL			CDPUBNV1310	2001	51/01*
SDPUB143	2000	8*,10,19,29/00;16,26/01;1,25/02;9/03						
SDPUB145	2000	13*,14,18,19,22,26,32,37,38,46,47,51,53/00;1,4,5,7,10,12,28,29,35,52/01;14,27/02						
SDPUB147	2001	35/01*:21,22,23,24/02						
SDPUB148	2001	48/01*:23,24/02						

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 13/03**

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NIMA Reference No.	Ed.	Notice to Mariners No.
SIGHT REDUCTION TABLES (MARINE)		
SRPUB229V1	1970	11/71*
SRPUB229V2	1970	11/71*
SRPUB229V3	1970	7/71*
SRPUB229V4	1970	3/71*
SRPUB229V5	1970	3/71*
SRPUB229V6	1970	23/70*
SIGHT REDUCTION TABLES (AIR)		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
CHART NO. 1		
WOBZC1	1997	18/98*
CHART NO. 4		
WOBZC4	1988	N20/89*
ATLAS OF PILOT CHARTS		
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
USCG NAVIGATION RULES		
COMDTM166722D	1999	44/99*;52/00
NOS TIDE TABLES		
NOSPBTTCWPACIN3	2003	N4/03*
NOSPBTTECSTNSA3	2003	N4/03*
NOSPBTTEURAFR3	2003	N4/03*
NOSPBTTCSTNSA3	2003	N4/03*
TIDAL CURRENT TABLES		
NOSPBTCTATCSTN3	2003	N4/03*
NOSPBTCTPACAS3	2003	N4/03*

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 131200Z March 2003:

2001 series	219(GEN)	365(14)	52(11)	96(14,51)	101(GEN)
393(GEN)	346(GEN)	468(GEN)	87(11)	99(11)	
2002 series	351(11)	2003 series	95(11,26)	100(GEN)	

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

NAVAREA IV WARNINGS issued from 121200Z December 2002 to 131200Z March 2003.

486/02 thru 518/02. CANCELED.

1/03 thru 51/03. CANCELED.

52/03(11). GULF OF MEXICO. SPACE SHUTTLE DEBRIS.

AT APPROXIMATELY 011410Z FEB, THE SPACE SHUTTLE COLUMBIA BROKE UP UPON RE-ENTRY OVER TEXAS. DEBRIS HAS BEEN FOUND FROM TEXAS TO FLORIDA. COAST GUARD DISTRICT SEVEN REQUESTS THAT MARINERS WHO HAVE REPORTS OF DEBRIS OR RELATED SIGHTINGS REPORT TO U.S. COAST GUARD RCC MIAMI, TELEX: 62076733, PHONE: 305 415 6800.

(011815Z FEB 2003)

53/03 thru 86/03. CANCELED.

87/03(11). GULF OF MEXICO. TEXAS.

1. SURVEY OPERATIONS 02 THRU 31 MAR BY M/V NORTHERN ACCESS TOWING 8500 METER LONG CABLE IN AREA BETWEEN 27-20N 29-27N AND 093-00W 093-45W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 01 APR.

(011020Z MAR 2003)

88/03 thru 94/03. CANCELED.

95/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
A. 0500Z TO 0459Z COMMENCING DAILY 10 THRU 16 MAR IN AREA BOUND BY 30-45.0N 080-32.0W, 30-45.0N 079-40.0W, 30-37.5N 079-40.0W, 30-34.0N 080-33.0W.
B. 0500Z TO 0459Z COMMENCING DAILY 10 THRU 16 MAR IN AREA BETWEEN 29-20.0N 29-10.0N AND 079-50.0W 079-40.0W.
C. 1300Z TO 0459Z COMMENCING DAILY 10 THRU 16 MAR IN AREA BETWEEN 29-40.0N 29-50.0N AND 080-30.0W 080-40.0W.
2. CANCEL THIS MSG 170559Z MAR.

(071720Z MAR 2003)

96/03(14,51). NORTH ATLANTIC.

1. 20 CONTAINERS ADRIFT IN 42-41.5N 043-29.2W AT 081245Z MAR.
2. CANCEL THIS MSG 15 MAR.

(081730Z MAR 2003)

97/03 and 98/03. CANCELED.

99/03(11). GULF OF MEXICO.

1. SEISMIC SURVEY IN PROGRESS UNTIL 30 APR BY M/V ZEPHYR 1 TOWING 8250 METER LONG CABLE IN AREA BETWEEN 27-20N 28-40N AND 092-00W 090-00W. FIVE MILE BERTH REQUESTED.
2. CANCEL NAVAREA IV 92/03.
3. CANCEL THIS MSG 01 MAY.

(100640Z MAR 2003)

100/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 16 UNUSABLE 141915Z TO 150715Z MAR.
2. CANCEL THIS MSG 150815Z MAR.

(111600Z MAR 2003)

101/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 121000Z MAR 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 52(11), 87(11), 95(11,26), 96(14,51), 98(GEN), 99(11), 100(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 93/03, 94/03.

(121010Z MAR 2003)

SECTION III

NM 13/03

HYDROLANTS

Messages in force 131200Z March 2003:

2000 series	383(53)	41(37)	381(56)	482(24)	539(GEN)
1569(36)	946(53)	65(53)	382(24,25)	483(57)	540(53)
2937(38)	1485(24)	67(37)	383(57)	484(52,53)	543(35,43)
3762(43)	2027(GEN)	76(54)	390(22)	485(53)	544(55)
4265(44)	2203(51)	181(57)	404(37)	490(51)	545(23)
2001 series	2354(53)	234(37)	427(56)	496(55)	547(GEN)
611(44)	2554(35)	262(54)	433(GEN)	503(55)	548(55)
1798(37)	2673(GEN)	271(GEN)	435(52)	509(54,56)	549(53)
2659(GEN)	2682(51)	273(54)	448(24)	517(52)	550(53)
2700(37)	2808(24)	282(55)	452(53)	522(24)	551(53)
2864(53)	2848(37)	309(24)	462(24)	525(37)	552(37)
3161(44)	2869(52)	317(37)	463(52,53)	529(23,29)	553(35,36)
2002 series	2882(54)	339(GEN)	464(55)	533(53)	554(37)
245(GEN)	2883(54)	368(54)	476(54)	536(36)	555(24)
246(GEN)	2003 series	369(51)	481(37)	538(24)	556(24)

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

HYDROLANT WARNINGS issued from 121200Z December 2002 to 131200Z March 2003.

2736/02 thru 2807/02. CANCELED.

2808/02(24). BRAZIL-NORTH COAST.

CHART 24320 (4TH ED).

AM-1 LIGHTFLOAT 01-34.1N 049-01.4W TEMPORARILY REMOVED.

(200500Z DEC 2002)

2809/02 thru 2847/02. CANCELED.

2848/02(37). DOVER STRAIT.

CHART 37129 (6TH ED).

1. DANGEROUS WRECK IN 51-22.0N 002-12.8E MARKED BY:

A. NORTH, EAST AND WEST CARDINAL BUOYS.

B. TWO SOUTH CARDINAL BUOYS, MOST EASTERLY WITH RACON.

2. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE WITHIN 700 METERS OF WRECK.

VESSELS REQUESTED TO PASS SOUTH OF BUOYS.

3. DANGEROUS WRECK MARKED BY BUOY IN 51-19.4N 002-13.7E.

4. CANCEL HYDROLANT 2836/02.

(270140Z DEC 2002)

2849/02 thru 2868/02. CANCELED.

2869/02(52). TUNISIA-NORTHEAST COAST. GUNNERY.

1. GUNNERY EXERCISES 01 JAN THRU 31 DEC IN AREA

BETWEEN 37-45N 38-00N AND 010-15E 010-30E.

2. CANCEL THIS MSG 01 JAN 04.

(301312Z DEC 2002)

2870/02 thru 2881/02. CANCELED.

2882/02(54). AEGEAN SEA. GUNNERY.

1. GUNNERY EXERCISES DURING DAYLIGHT HOURS DAILY

01 JAN THRU 31 DEC IN AREA BOUND BY

38-02N 024-52E, 38-16N 025-21E,

37-48N 025-49E, 37-34N 025-23E,

37-42N 025-01E, 38-00N 024-52E.

2. CANCEL THIS MSG 01 JAN 04.

(311220Z DEC 2002)

2883/02(54). SEA OF CRETE. MISSILES.

1. HAZARDOUS OPERATIONS 0530Z TO SUNSET DAILY

WEDNESDAY, THURSDAY AND FRIDAY UNTIL 31 DEC

IN AREA BOUND BY 35-36N 024-07E,

36-18N 024-07E, 36-18N 025-59E,

36-25N 026-12E, 36-16N 026-40E,

35-36N 026-41E, 35-31N 024-11E.

2. CANCEL THIS MSG 01 JAN 04.

(311240Z DEC 2002)

2884/02 and 2885/02. CANCELED.

1/03 thru 40/03. CANCELED.

41/03(37). ENGLISH CHANNEL.

CHART 37043 (17TH ED).
SIX BUOYS, FL (5) Y 20 SEC, ESTABLISHED
WITHIN 500 METERS OF 50-02.1N 004-22.6W.

(061758Z JAN 2003)

42/03 thru 64/03. CANCELED.

65/03(53). ITALY-SOUTHWEST COAST

CHART 53180 (10TH ED).
CAPO BONIFATI LIGHT 39-32.6N 015-53.0E AT REDUCED INTENSITY.

(101852Z JAN 2003)

66/03. CANCELED.

67/03(37). DOVER STRAIT.

CHART 37125 (15TH ED).
EIGHT METER DEPTH REPORTED IN 51-01.40N 001-50.65E.

(102100Z JAN 2003)

68/03 thru 75/03. CANCELED.

76/03(54). ITALY-SOUTH COAST.

CHART 54040 (3RD ED).
1. CAPO SPARTIVENTO LIGHT 37-55.5N 016-03.7E UNLIT.
2. CANCEL HYDROLANT 74/03.

(112350Z JAN 2003)

77/03 thru 180/03. CANCELED.

181/03(57). GULF OF GUINEA.

1. SEISMIC SURVEY 28 JAN THRU 27 MAY BY M/V RAMFORM VALIANT
TOWING TEN 6000 METER LONG CABLES IN AREA BETWEEN
04-10N 03-45N AND 007-15E 007-55E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 28 MAY.

(260855Z JAN 2003)

182/03 thru 233/03. CANCELED.

234/03(37). NORTH SEA.

CHART 37165 (2ND ED).
1. DANGEROUS WRECK REPORTED IN 54-02.15N 004-45.80E MARKED BY:
A. EAST CARDINAL BUOY.
B. TWO WEST CARDINAL BUOYS, ONE WITH RACON (D).
C. NORTH CARDINAL BUOY.
D. SOUTH CARDINAL BUOY.
2. CANCEL HYDROLANT 186/03.

(311815Z JAN 2003)

235/03 thru 261/03. CANCELED.

262/03(54). ADRIATIC SEA.

F/V CUNECONDA SINKING IN 41-46N 018-25E.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS
TO MRCC ROME, PHONE: 390 6590 84527,
FAX: 390 6592 2737.

(041800Z FEB 2003)

263/03 thru 270/03. CANCELED.

271/03(GEN). MEDITERRANEAN SEA.

1. U.S. FORCES IN THE MEDITERRANEAN SEA ARE OPERATING
AT A HEIGHTENED STATE OF READINESS AND TAKING ADDITIONAL
DEFENSIVE PRECAUTIONS AGAINST TERRORIST AND OTHER
POTENTIAL THREATS. ALL AIRCRAFT OR SURFACE VESSELS
APPROACHING U.S. FORCES ARE REQUESTED TO MAINTAIN RADIO
CONTACT WITH U.S. FORCES ON BRIDGE-TO-BRIDGE CHANNEL 16,
INTERNATIONAL AIR DISTRESS (121.5 MHZ VHF) OR
MILAIR DISTRESS (243.0 MHZ UHF).
2. U.S. FORCES WILL EXERCISE APPROPRIATE MEASURES IN
SELF-DEFENSE IF WARRANTED BY THE CIRCUMSTANCES.
AIRCRAFT AND SURFACE VESSELS APPROACHING U.S. FORCES
WILL HELP MAKE THEIR INTENTIONS CLEAR AND AVOID
UNNECESSARY INITIATION OF SUCH DEFENSIVE MEASURES BY

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- MAKING PRIOR CONTACT AS DESCRIBED ABOVE.
3. NOTHING IN THIS WARNING IS INTENDED TO IMPEDE OR OTHERWISE INTERFERE WITH THE FREEDOM OF NAVIGATION OR OVERFLIGHT OF ANY VESSEL OR AIRCRAFT, OR TO LIMIT OR EXPAND THE INHERENT SELF-DEFENSE RIGHTS OF U.S. FORCES. THIS WARNING IS PUBLISHED SOLELY TO ADVISE OF THE HEIGHTENED STATE OF READINESS OF U.S. FORCES AND TO REQUEST THAT RADIO CONTACT BE MAINTAINED AS DESCRIBED ABOVE.
4. SPECIAL WARNING NUMBER 120 REFERS.
- (051340Z FEB 2003)
- 272/03. CANCELED.
- 273/03(54). IONIAN SEA.
16.2 METER F/V PADRE PIO, FIVE PERSONS ON BOARD, UNREPORTED. LAST KNOWN POSITION GREECE-WEST COAST. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC ROME, PHONE: 390 6590 84409, FAX: 390 6590 84793.
- (051620Z FEB 2003)
- 274/03 thru 281/03. CANCELED.
- 282/03(55). BOSPORUS.
1. PIPELAYING OPERATIONS 08 FEB THRU 20 MAR ALONG TRACKLINE BETWEEN 41-04.8N 029-03.8E AND 41-04.9N 029-03.7E.
2. CANCEL THIS MSG 21 MAR.
- (061040Z FEB 2003)
- 283/03 thru 308/03. CANCELED.
- 309/03(24). BRAZIL-NORTH COAST.
CHART 24322 (6TH ED).
1. DANGEROUS WRECK IN 01-01.78N 049-38.93W.
2. CANCEL HYDROLANT 290/03.
- (090512Z FEB 2003)
- 310/03 thru 316/03. CANCELED.
- 317/03(37). NORTH SEA. FRANCE.
CHART 37129 (6TH ED).
LIGHT, FOG SIGNAL (U), RACON (O) ESTABLISHED IN 51-16.5N 002-26.9E.
- (101325Z FEB 2003)
- 318/03 thru 338/03. CANCELED.
- 339/03(GEN). MOROCCO.
THE AUTHORITIES OF MOROCCO ADVISE THAT SINGLE-HULL OIL TANKERS, MORE THAN 15 YEARS OLD, CARRYING HEAVY FUEL, TAR, ASPHALTIC BITUMEN OR HEAVY CRUDE OIL ENTERING INTO THE ECONOMIC EXCLUSIVE ZONE, ARE SUBJECT TO PREVIOUS NOTIFICATION AND ARE STRICTLY CONTROLLED.
- (121210Z FEB 2003)
- 340/03 thru 367/03. CANCELED.
- 368/03(54). EASTERN MEDITERRANEAN SEA.
M/V TOR 1, EIGHT PERSONS ON BOARD, SINKING IN 35-45N 018-12E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC ROME, PHONE: 3906 5908 4527, FAX: 3906 5908 4793 OR MRCC MALTA, PHONE: 356 2180 9279.
- (162345Z FEB 2003)
- 369/03(51). NORTH ATLANTIC. MAURITANIA.
MAN OVERBOARD FROM F/V JOHANNA MARIA IN 19-56.6N 017-25.2W AT 170040Z FEB. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC FALMOUTH, TELEX: 5145560, PHONE: 4413 2631 7575 FAX: 4413 2631 8342.
- (170210Z FEB 2003)
- 370/03 thru 380/03. CANCELED.
- 381/03(56). EASTERN MEDITERRANEAN SEA. EGYPT.
1. GEOPHYSICAL SURVEY IN PROGRESS UNTIL 31 MAR BY M/V FLYING ENTERPRISE IN AREA BOUND BY 32-02N 030-19E,

32-00N 030-20E, 31-53N 030-30E, 31-54N 030-32E,
32-03N 030-33E, 32-05N 030-32E.
2. CANCEL THIS MSG 01 APR.

(181522Z FEB 2003)

382/03(24,25). BARBADOS TO BRAZIL.
36 FOOT S/V VIRGO, WHITE HULL, TWO PERSONS ON BOARD, OVERDUE
BARBADOS TO RECIFE. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC GRIS NEZ,
TELEX: 33 321877855, PHONE: 33 321872187, FAX: 33 321877855.

(181943Z FEB 2003)

383/03(57). AFRICA-WEST COAST.
TUG MT BELLO SUNK IN 00-17S 009-02E AT 140300Z FEB. TWO
PERSONS MISSING. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO UKMRCC.

(182036Z FEB 2003)

384/03 thru 389/03. CANCELED.

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

(200740Z FEB 2003)

391/03 thru 403/03. CANCELED.

404/03(37). SOUTHERN NORTH SEA.
PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY
BARGE LORELAY VICINITY OF TRACKLINE JOINING
53-27.6N 001-43.8E, 53-31.4N 001-44.8E, 53-36.0N 001-50.3E,
53-36.8N 001-55.0E, 53-35.9N 002-36.2E, 53-34.7N 002-47.5E.

(210915Z FEB 2003)

405/03 thru 426/03. CANCELED.

427/03(56). MEDITERRANEAN SEA. EGYPT.
PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
IN AREA BETWEEN 32-00N 32-20N AND 030-55E 030-30E.

(242100Z FEB 2003)

428/03 thru 432/03. CANCELED.

433/03(GEN). FRANCE.
THE AUTHORITIES OF FRANCE ADVISE THAT SINGLE-HULL OIL TANKERS,
MORE THAN 15 YEARS OLD, CARRYING HEAVY FUEL, TAR, ASPHALTIC BITUMEN
OR HEAVY CRUDE OIL ENTERING INTO THE ECONOMIC EXCLUSIVE ZONE,
ARE SUBJECT TO 24 HOUR NOTIFICATION TO RELEVANT FRENCH MRCC
(CORSEN, JOBOURG OR GRIS NEZ) AND ARE STRICTLY CONTROLLED.

(251140Z FEB 2003)

434/03. CANCELED.

435/03(52). ALBORAN SEA. GUNNERY.
1. GUNNERY EXERCISES 0600Z TO 2359Z DAILY
02 THRU 17 MAR IN AREAS:
A. BETWEEN 35-50N 35-30N AND 004-40W 004-20W.
B. BETWEEN 35-50N 35-30N AND 004-00W 004-20W.
C. BETWEEN 35-50N 35-30N AND 003-40W 004-00W.
D. BETWEEN 35-50N 35-30N AND 003-30W 003-20W.
E. BOUND BY 35-50N 004-50W, 35-50N 004-40W,
35-30N 004-40W, 35-43N 004-50W.
2. CANCEL THIS MSG 180059Z MAR.

(251530Z FEB 2003)

436/03 thru 447/03. CANCELED.

448/03(24). BRAZIL-EAST COAST.
MAN OVERBOARD VICINITY 08-30S 034-50W.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(270255Z FEB 2003)

449/03 thru 451/03. CANCELED.

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NM 13/03

- 452/03(53). SICILIA-SOUTHEAST COAST. GUNNERY.
1. GUNNERY EXERCISES 0400Z TO 2000Z DAILY 03 THRU 06,
10 THRU 13, 17 THRU 20, 24 THRU 27 AND 31 MAR
WITHIN 1.5 MILES OF 36-39-19N 015-00-53E.
2. CANCEL THIS MSG 312100Z MAR. (271500Z FEB 2003)
- 453/03 thru 461/03. CANCELED.
- 462/03(24). BRAZIL-NORTH COAST.
CHART 24290 (3RD ED).
RACON AT SALINOPOLIS LIGHT 00-36.9S 047-21.4W INOPERATIVE. (280825Z FEB 2003)
- 463/03(52,53). STRAIT OF SICILY.
M/V NEW LILY, 18 PERSONS ON BOARD, IN NEED OF IMMEDIATE
ASSISTANCE IN 37-35N 011-39E AT 281045Z FEB. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
POSSIBLE. REPORTS TO MRCC ROME, INMARSAT-C: 4247 44220,
PHONE: 390 6592 4145, FAX: 390 6592 2737 OR PALERMO RADIO. (281220Z FEB 2003)
- 464/03(55). BLACK SEA. MISSILES.
1. HAZARDOUS OPERATIONS 04 THRU 14 MAR
IN AREA BOUND BY 44-23.0N 028-42.5E,
44-27.0N 029-01.0E, 44-20.0N 029-01.5E,
44-13.0N 028-56.5E.
2. CANCEL HYDROLANT 443/03(53), OPERATIONS CANCELED.
3. CANCEL THIS MSG 15 MAR. (281420Z FEB 2003)
- 465/03 thru 475/03. CANCELED.
- 476/03(54). ADRIATIC SEA.
1. OCEANOGRAPHIC OPERATIONS IN PROGRESS UNTIL 15 APR
BY M/V ODIN FINDER IN AREAS BOUND BY:
A. 41-05.7N 016-57.5E, 41-06.1N 016-58.4E, 41-06.2N 016-58.6E,
41-06.7N 016-59.7E, 41-06.8N 017-00.0E, 41-07.0N 017-00.6E,
41-07.7N 017-02.5E, 41-08.1N 017-03.9E, 41-08.3N 017-05.6E,
41-08.2N 017-07.5E, 41-07.9N 017-10.0E, 41-04.4N 017-30.7E,
41-04.3N 017-31.4E, 41-04.3N 017-31.5E, 41-01.4N 017-44.1E,
40-59.4N 017-53.1E, 40-59.2N 017-54.2E, 40-58.9N 017-55.4E,
40-56.2N 018-06.1E, 40-54.2N 018-14.3E, 40-52.8N 018-19.2E,
40-52.4N 018-20.6E, 40-51.9N 018-22.0E, 40-51.4N 018-23.0E,
40-51.4N 018-23.0E, 40-51.1N 018-23.6E, 40-50.7N 018-24.2E,
40-50.7N 018-24.3E, 40-48.3N 018-30.1E, 40-47.1N 018-32.8E,
40-46.1N 018-34.5E, 40-44.8N 018-36.3E, 40-43.5N 018-37.6E,
40-39.7N 018-40.1E, 40-26.3N 018-48.9E, 40-22.7N 018-51.2E.
B. 41-05.7N 016-57.5E, 41-06.1N 016-58.4E, 41-06.2N 016-58.6E,
41-06.5N 016-59.5E, 41-06.6N 017-00.1E, 41-06.9N 017-01.3E,
41-06.9N 017-01.6E, 41-07.2N 017-03.1E, 41-07.4N 017-05.1E,
41-07.3N 017-06.4E, 41-07.2N 017-07.4E, 41-03.4N 017-29.2E,
41-02.3N 017-34.2E, 41-02.1N 017-34.9E, 40-54.5N 017-58.8E,
40-49.2N 018-10.1E, 40-47.8N 018-12.1E, 40-47.1N 018-12.9E,
40-46.9N 018-13.2E, 40-46.7N 018-13.4E, 40-46.5N 018-13.6E,
40-46.3N 018-13.9E, 40-37.1N 018-24.1E, 40-28.2N 018-35.0E,
40-25.3N 018-38.5E, 40-17.8N 018-46.5E, 40-15.8N 018-48.7E,
40-07.1N 018-58.0E, 40-06.5N 018-58.5E.
2. CANCEL HYDROLANT 139/03(53).
3. CANCEL THIS MSG 16 APR. (012000Z MAR 2003)
- 477/03 thru 480/03. CANCELED.
- 481/03(37). DOVER STRAIT.
CHART 37115 (2ND ED).
COLBART SOUTHWEST BUOY 50-49N 001-17E UNLIT. (030045Z MAR 2003)
- 482/03(24). BRAZIL-SOUTH COAST.
1. OCEANOGRAPHIC OPERATIONS 06 THRU 13 MAR
BY M/V ANTARES IN AREA BOUND BY
29-30S 049-39W, 31-09S 046-30W,
29-21S 045-10W, 27-41S 048-19W.
THREE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 14 MAR. (030740Z MAR 2003)

483/03(57). GULF OF GUINEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 15 APR
BY M/V GULF SUPPLIER IN AREA BOUND BY
06-00N 001-40E, 05-25N 001-50E,
05-25N 002-50E, 06-00N 002-50E.
SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 478/03.
3. CANCEL THIS MSG 16 APR.

(030936Z MAR 2003)

484/03(52.53). SARDEGNA-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1800Z DAILY 03 THRU 08,
10 THRU 15, 17 THRU 21 AND 26 THRU 31 MAR IN
AREA BOUND BY 38-55-10N 008-42-30E,
38-50-00N 008-48-00E, 38-46-15N 008-48-00E,
38-43-30N 008-41-15E, 38-49-00N 008-26-00E,
38-56-12N 008-27-06E, 38-57-00N 008-37-06E.
2. CANCEL THIS MSG 311900Z MAR.

(031110Z MAR 2003)

485/03(53). SARDEGNA-EAST COAST. MISSILES. ROCKETS.

1. HAZARDOUS OPERATIONS 0800Z TO 1630Z DAILY:
 - A. 03 THRU 07, 10 THRU 14, 17 THRU 21,
24 THRU 28 AND 31 MAR 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. 05, 06, 12, 13, 19, 20, 26 AND 27 MAR
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, 40-15N 010-00E.
 - C. 03 THRU 07 AND 10 THRU 14 MAR IN AREA BOUND BY
40-37N 009-50E, 40-40N 010-35E, 40-40N 010-50E,
39-20N 010-50E, 39-20N 009-47E, 39-24N 009-40E.
 - D. 03 THRU 07 MAR IN AREA BOUND BY
40-37N 009-54E, 40-42N 011-17E, 40-11N 011-33E,
39-46N 011-36E, 39-02N 010-17E, 39-04N 010-08E,
39-26N 009-38E.
2. CANCEL THIS MSG 311730Z MAR.

(031120Z MAR 2003)

486/03 thru 489/03. CANCELED.

490/03(51). MOROCCO.

- CHART 51017 (31ST ED).
BEDDOUZA LIGHT 32-32.6N 009-17.0W AT REDUCED INTENSITY.

(031908Z MAR 2003)

491/03 thru 495/03. CANCELED.

496/03(55). BLACK SEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 30 JUN BY
M/V DIORIT AND M/V ISKATEL IN AREA BOUND BY
44-54N 036-28E, 44-41N 036-27E,
44-42N 035-57E, 44-57N 035-57E.
TWO MILE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JUL.

(050100Z MAR 2003)

497/03 thru 502/03. CANCELED.

503/03(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1700Z DAILY
10 THRU 14 MAR 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 141800Z MAR.

(051700Z MAR 2003)

504/03 thru 508/03. CANCELED.

509/03(54,56). EASTERN MEDITERRANEAN SEA.

1. U.S. FORCES ARE CONDUCTING COMBAT TRAINING EXERCISES
IN INTERNATIONAL WATERS OFF THE NORTHERN AND EASTERN
COAST OF CYPRUS UNTIL FURTHER NOTICE. COMBAT EXERCISE
ACTIVITIES MAY POSE A HAZARD TO NAVIGATION. ALL
VESSELS ARE ADVISED TO NAVIGATE WITH EXTREME CAUTION.
2. REQUEST SURFACE VESSELS WITH DESTINATIONS AT PORTS IN

SECTION III

NM 13/03

SOUTHWESTERN TURKEY, NORTH AND EASTERN CYPRUS OR SYRIA
REMAIN CLEAR OF THE FOLLOWING DESIGNATED OPERATING AREAS:

- A. OPAREA ONE: 36-30N 034-40E, 36-12N 035-30E,
35-50N 035-30E, 35-50N 034-54E, 36-00N 034-36E,
35-45N 034-00E, 35-55N 034-00E.
- B. OPAREA TWO: 35-25N 034-40E, 35-25N 035-30E,
34-40N 035-35E, 34-10N 035-10E, 34-10N 033-55E,
34-25N 033-55E, 34-55N 034-25E, 35-15N 034-25E.
3. DURING THESE COMBAT TRAINING EXERCISES U.S. FORCES
WILL BE OPERATING AT A HEIGHTENED STATE OF READINESS AND
TAKING ADDITIONAL DEFENSIVE PRECAUTIONS AGAINST TERRORIST
AND OTHER POTENTIAL THREATS. SURFACE VESSELS APPROACHING
U.S. FORCES ARE REQUESTED TO MAINTAIN RADIO CONTACT WITH
U.S. FORCES ON BRIDGE-TO-BRIDGE CHANNEL 16.
4. U.S. FORCES WILL EXERCISE APPROPRIATE MEASURES IN
SELF-DEFENSE IF WARRANTED BY THE CIRCUMSTANCES. SURFACE
VESSELS APPROACHING U.S. FORCES SHOULD MAKE THEIR INTENTIONS
CLEAR AND AVOID UNNECESSARY INITIATION OF SUCH DEFENSIVE
MEASURES BY INITIATING RADIO CONTACT AS DESCRIBED ABOVE.
5. NOTHING IN THIS WARNING IS INTENDED TO IMPEDE OR OTHERWISE
INTERFERE WITH THE FREEDOM OF NAVIGATION OF ANY VESSEL,
OR TO LIMIT OR EXPAND THE INHERENT SELF-DEFENSE
RIGHTS OF U.S. FORCES. THIS WARNING IS PUBLISHED SOLELY
TO ADVISE OF THE HEIGHTENED STATE OF READINESS OF U.S.
FORCES AND TO REQUEST THAT RADIO CONTACT BE MAINTAINED
AS DESCRIBED ABOVE.
6. CANCEL HYDROLANT 499/03.

(061620Z MAR 2003)

510/03 thru 516/03. CANCELED.

517/03(52). EASTERN MEDITERRANEAN SEA.

1. TANK ADRIFT VICINITY 34-08.5N 011-13.0E.
2. CANCEL HYDROLANT 506/03(23).
3. CANCEL THIS MSG 14 MAR.

(071600Z MAR 2003)

518/03 thru 521/03. CANCELED.

522/03(24). BRAZIL-SOUTH COAST.

1. HYDROGRAPHIC OPERATIONS 11 THRU 20, 24 MAR THRU 03 APR,
07 THRU 17 AND 21 THRU 25 APR BY M/V SIRIUS IN
AREA BETWEEN 30-00S 32-19S AND 048-00W 050-35W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 26 APR.

(080820Z MAR 2003)

523/03 and 524/03. CANCELED.

525/03(37). DOVER STRAIT.

- CHART 37110 (11TH ED).
BASSURELLE BUOY 50-32.7N 000-57.7E OFF STATION.

(081630Z MAR 2003)

526/03 thru 528/03. CANCELED.

529/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 08 MAR IN:
 - A. A-38C, SEVEN MILES BY 11 MILES IN 60-30S 049-48W.
 - B. A-43B, 13 MILES BY 40 MILES IN 54-30S 039-12W.
 - C. A-43C, 24 MILES BY 41 MILES IN 59-00S 037-24W.
 - D. A-43G, EIGHT MILES BY 49 MILES IN 53-18S 041-00W.
 - E. A-43I, TWO MILES BY 12 MILES IN 56-42S 033-42W.
 - F. A-46, FOUR MILES BY 11 MILES IN 45-36S 055-30W.
 - G. A-47, NINE MILES BY 14 MILES IN 55-06S 047-06W.
 - H. B-09A, 15 MILES BY 22 MILES IN 51-48S 033-36W.
2. CANCEL THIS MSG 16 MAR.

(090230Z MAR 2003)

530/03 thru 532/03. CANCELED.

533/03(53). IONIAN SEA.

1. UNDERWATER OPERATIONS 10 MAR THRU 04 APR BY M/V THETIS:
 - A. WITHIN FOUR MILES OF 36-25.0N 016-04.0E.
 - B. WITHIN TWO MILES OF 37-29.8N 015-24.0E.
3000 METER BERTH REQUESTED.
2. CANCEL THIS MSG 05 APR.

(091432Z MAR 2003)

534/03 and 535/03. CANCELED.

536/03(36). NORTH ATLANTIC.
 DISTRESS SIGNAL RECEIVED ON 121.5 AND 243 MHZ
 WITHIN 11 MILES OF 43-39.6N 016-44.7W.
 VESSELS IN VICINITY REQUESTED TO KEEP
 A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO MRCC DELGADA, TELEX: 40482479,
 PHONE: 3512 9177 77461, FAX: 3512 9620 5239.
 (101830Z MAR 2003)

537/03. CANCELED.

538/03(24). SOUTH ATLANTIC. URUGUAY.
 1. HYDROGRAPHIC SURVEY 111100Z TO 220259Z MAR BY
 M/V ROU 22 OYARVIDE IN AREA BOUND BY
 34-42.0S 053-45.0W, 34-47.0S 053-40.7W,
 34-35.8S 053-30.0W, 34-30.5S 053-34.7W.
 1.5 MILE BERTH REQUESTED.
 2. CANCEL THIS MGS 220359Z MAR.
 (110310Z MAR 2003)

539/03(GEN). GPS SATELLITE SYSTEM.
 1. PRN 16 UNUSABLE 141915Z TO 150715Z MAR.
 2. CANCEL HYDROLANT 523/03(37), OPERATIONS COMPLETED.
 3. CANCEL THIS MSG 150815Z MAR.
 (111615Z MAR 2003)

540/03(53). SICILIA-NORTHWEST COAST.
 CHART 53242 (12TH ED).
 CAPO GALLO LIGHT 38-13.3N 013-19.1E RANGE
 TEMPORARILY REDUCED TO NINE MILES.
 (111820Z MAR 2003)

541/03 and 542/03. CANCELED.

543/03(35,43). SHETLAND ISLANDS. RADIO SERVICE.
 MRSC SHETLAND 60-10N 001-08W MF DSC OFF AIR.
 (120100Z MAR 2003)

544/03(55). BLACK SEA. ROMANIA.
 CHART 55120 (2ND ED).
 LARGE STRUCTURE ESTABLISHED, LEAST DEPTH 22 METERS,
 IN 44-28.8N 029-38.7E.
 (120220Z MAR 2003)

545/03(23). SOUTH ATLANTIC. ICE.
 1. ICEBERGS REPORTED IN:
 A. 49-36.0S 039-03.0W.
 B. 49-39.0S 039-11.0W.
 C. 49-09.4S 043-36.4W.
 D. 49-27.0S 035-01.0W.
 E. 49-22.0S 035-05.0W.
 F. AREA BETWEEN 49-18.0S 49-44.0S
 AND 033-54.0W 034-23.0W.
 G. AREA BETWEEN 49-10.0S 49-31.0S
 AND 024-58.0W 025-56.0W.
 H. AREA BETWEEN 48-57.0S 49-20.0S
 AND 024-07.0W 024-30.0W
 I. AREA BETWEEN 49-13.0S 49.17.0S
 AND 023-28.0W 023-31.0W.
 2. CANCEL THIS MSG 19 MAR.
 (120720Z MAR 2003)

546/03. CANCELED.

547/03(GEN).
 1. HYDROLANT MESSAGES IN FORCE 121100Z MAR 2003. ONLY THOSE
 MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
 2003 SERIES: 234(37), 262(54), 271(GEN), 273(54), 282(55),
 309(24), 317(37), 339(GEN), 368(54), 369(51), 381(56),
 382(24,25), 383(57), 390(22), 404(37), 427(56), 433(GEN),
 435(52), 448(24), 452(53), 462(24), 463(52,53), 464(55),
 476(54), 481(37), 482(24), 483(57), 484(52,53), 485(53),
 490(51), 496(55), 503(55), 509(54,56), 515(55), 517(52),
 522(24), 525(37), 529(23,29), 532(GEN), 533(53), 536(36),
 538(24), 539(GEN), 540(53), 543(35,43), 544(55), 545(23), 546(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 154/03, 180/03, 500/03, 501/03, 508/03,

- 524/03, 531/03, 542/03.
(12110Z MAR 2003)
- 548/03(55). BLACK SEA. GUNNERY. MISSILES.
1. HAZARDOUS OPERATIONS 170800Z TO 171630Z MAR,
0800Z TO 1600Z DAILY 18 AND 21 MAR, 0600Z TO 1600Z
DAILY 19 AND 20 MAR AND 220730Z TO 221300Z MAR
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 515/03.
3. CANCEL THIS MSG 221400Z MAR.
(121210Z MAR 2003)
- 549/03(53). STRAIT OF SICILY.
1. UNDERWATER SURVEY 131500Z TO 141600Z MAR
IN AREA BOUND BY 36-45N 012-25E,
36-10N 012-25E, 36-10N 013-50E,
36-30N 014-22E, 36-37N 014-22E,
37-09N 013-15E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 141700Z MAR.
(121400Z MAR 2003)
- 550/03(53). STRAIT OF SICILY.
1. DERELICT EIGHT METER VESSEL ADRIFT
IN 35-44.0N 012-55.7E. REPORTS TO
ANY COASTAL RADIO STATION.
2. CANCEL THIS MSG 19 MAR.
(121740Z MAR 2003)
- 551/03(53). ITALY-SOUTHWEST COAST.
CHART 53180 (10TH ED).
CAPO BONIFATI LIGHT 39-32.5N 015-53.3E UNLIT.
(121845Z MAR 2003)
- 552/03(37). NORTH SEA. ORDNANCE.
CHART 37166 (2ND ED).
UNEXPLODED ORDNANCE VICINITY 53-36.4N 002-01.3E.
(122015Z MAR 2003)
- 553/03(35,36). IRELAND-SOUTH COAST.
PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP CSO APACHE ALONG TRACKLINE JOINING
51-11.9N 008-20.0W, 51-20.2N 008-06.1W,
51-21.7N 008-01.3W, 51-22.4N 007-56.8W.
FOUR MILE BERTH REQUESTED.
(122045Z MAR 2003)
- 554/03(37). SOUTHERN NORTH SEA.
SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY M/V CONFIDANTE IN AREA BOUND BY
51-44N 001-29E, 51-55N 001-33E,
51-53N 001-39E, 51-47N 001-39E,
51-44N 001-32E. WIDE BERTH REQUESTED.
(122115Z MAR 2003)
- 555/03(24). BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 160159Z MAR
BY M/V CGG ALIZE TOWING EIGHT 7400 METER LONG
CABLES IN AREA BOUND BY 20-00S 039-35W,
20-00S 038-45W, 19-20S 039-00W,
19-20S 039-30W. FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 160259Z MAR.
(130650Z MAR 2003)
- 556/03(24). BRAZIL-NORTH COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 150200Z MAR
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 150300Z MAR.
(130840Z MAR 2003)

SECTION III

NM 13/03

NAVAREA XII

Messages in force 131200Z March 2003:

2001 series	2002 series	260(GEN)	2003 series	61(GEN)	71(GEN)
298(GEN)	178(GEN)	339(GEN)	54(19)	70(GEN)	73(18)

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

NAVAREA XII WARNINGS issued from 121200Z December 2002 to 131200Z March 2003.

350/02 thru 368/02. CANCELED.

1/03 thru 53/03. CANCELED.

54/03(19). NORTH PACIFIC. HAWAII. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2400Z DAILY MONDAY THRU SUNDAY IN THE PACIFIC MISSILE RANGE FACILITY, HAWAIIAN AREA, BARKING SANDS, KAUAI. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1600Z TO 0400Z DAILY MONDAY THRU FRIDAY. THE PACIFIC MISSILE RANGE FACILITY HAWAIIAN AREA (W188) IS BOUND BY:
 - A. 22-00.0N 159-51.0W.
 - B. 22-00.0N 160-00.0W THENCE CCW THREE MILES FROM
 - C. 22-02.7N 160-09.1W. NIIHAU/LEHUA.
 - D. 22-03.0N 160-21.0W.
 - E. 22-05.0N 161-35.0W THENCE CW 100 MILES FROM
 - F. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
 - G. 22-45.0N 161-25.0W.
 - H. 22-56.0N 161-49.0W THENCE CW 125 MILES FROM
 - I. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
 - J. 23-57.0N 160-41.0W.
 - K. 25-41.0N 161-36.0W THENCE CW 240 MILES FROM
 - L. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
 - M. 25-47.0N 158-15.0W.
 - N. 23-54.0N 158-15.0W.
 - O. 22-20.0N 159-09.0W THENCE CCW 25 MILES FROM
 - P. 21-58.1N 159-20.5W. LIHUE VORTAC.
 - Q. 22-13.0N 159-42.0W THENCE CCW THREE MILES AND PARALLEL TO THE SHORELINE OF KAUAI.
 - R. 22-00.0N 159-51.0W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "MISSILE RANGE BARKING SANDS" ON 2182 KHZ, 4491 USB OR 156.8 MHZ (CHANNEL 16) BEFORE ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT THE PACIFIC MISSILE RANGE FACILITY PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH U.S. COAST GUARD HONOLULU.
3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE THE VESSEL'S SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
4. CANCEL NAVAREA XII 21/03.

(250955Z FEB 2003)

55/03 thru 60/03. CANCELED.

61/03(GEN). NAVAL COORDINATION AND PROTECTION OF SHIPPING (NCAPS) EXERCISE IN WATERS OFF THE REPUBLIC OF KOREA (ROK).

1. THE U.S. NAVY, IN CONJUNCTION WITH U.S. FORCES KOREA (USFK) AND THE REPUBLIC OF KOREA (ROK) GOVERNMENT, IS CONDUCTING AN EXERCISE DURING THE FINAL TWO WEEKS OF MARCH 2003 IN WATERS OFF THE ROK.
2. REQUEST ALL U.S. FLAGGED AND U.S. OWNED FOREIGN FLAGGED MERCHANT VESSELS WITHIN A 72 HOUR TRANSIT TIME OF THE ROK CALL THE SHIPPING COORDINATION CENTER, PHONE: 011 82 540 5447. REQUEST THESE VESSELS CALL DURING THE PERIOD 192300Z TO 272300Z MAR. ALL VESSELS MEETING THESE CRITERIA ARE REQUESTED TO CALL, EVEN IF THEIR DESTINATION IS NOT THE ROK.
3. NCAPS PERSONNEL WILL ANSWER AND RECORD THE VESSEL'S NAME, FLAG, IRCS, MASTER'S NAME AND CONTACT INFORMATION, POSITION, COURSE, SPEED, LAST PORT, DESTINATION AND ETA. VESSELS WHOSE DESTINATION IS THE ROK WILL BE PROVIDED A TELEPHONE NUMBER AND BE ASKED TO CONTACT THAT PORT'S SHIPPING COORDINATION TEAM 24 HOURS PRIOR TO ARRIVAL.
4. UNDERSTANDING THAT INMARSAT PHONE CALLS ARE EXPENSIVE, NCAPS PERSONNEL ARE INSTRUCTED TO KEEP SUCH CALLS BRIEF AND TO THE POINT. BECAUSE THIS IS AN EXERCISE, ALL CONTACTS MADE WITH MERCHANT VESSELS ARE ON A "NOT TO INTERFERE BASIS;" NO

DIVERSION ORDERS OR ANY OTHER ORDERS AFFECTING THE SAFE AND TIMELY PASSAGE OF THE RESPONDING VESSELS WILL BE ISSUED.

5. VESSEL OPERATORS ARE REQUESTED TO PROMPTLY FORWARD THIS ADVISORY TO THEIR VESSELS IN THE AFFECTED AREA. THIS ADVISORY WILL SUBSEQUENTLY BE PUBLISHED IN THE NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) WEEKLY NOTICE TO MARINERS AND ON THE MARITIME SAFETY INFORMATION DIVISION HOMEPAGE AT POLLUX.NSS.NIMA.MIL. PLEASE ADVISE MASTERS OF THE IMPORTANCE OF NCAPS EXERCISES TO NATIONAL SECURITY AND REQUEST THEIR COOPERATION.
6. FOR FURTHER INFORMATION REGARDING THIS ADVISORY CONTACT THE MARITIME ADMINISTRATION, OFFICE OF SHIP OPERATIONS, CODE MAR-613, ROOM 2123, 400 7TH STREET SW, WASHINGTON, DC, 20590; PHONE: 202 366 5735 OR BY EMAIL TO OPCENTR1@MARAD.DOT.GOV.
7. CANCEL THIS MSG 01 APR.

(041833Z MAR 2003)

62/03 thru 69/03. CANCELED.

- 70/03(GEN). GPS SATELLITE SYSTEM.
1. PRN 16 UNUSABLE 141915Z TO 150715Z MAR.
 2. CANCEL THIS MSG 150815Z MAR.

(111620Z MAR 2003)

- 71/03(GEN).
1. NAVAREA XII MESSAGES IN FORCE 121000Z MAR 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 54(19), 61(GEN), 65(18), 67(21), 68(18,19), 69(GEN), 70(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 62/03, 63/03.

(121020Z MAR 2003)

72/03. CANCELED.

- 73/03(18). EASTERN NORTH PACIFIC. MISSILES.
1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

A. 34-02N 119-04W.	M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
B. 33-52N 119-06W.	TO THE SHORELINE.
C. 33-29N 119-07W.	N. 34-24N 120-30W.
D. 33-29N 118-37W.	O. 34-08N 120-26W.
E. 33-20N 118-37W.	P. 34-08N 119-40W.
F. 32-11N 120-16W.	Q. 34-00N 119-40W.
G. 31-54N 121-35W.	R. 34-06N 119-13W.
H. 35-09N 123-39W.	S. 34-06N 119-11W.
I. 35-29N 123-00W.	T. 34-07N 119-10W.
J. 35-04N 122-43W.	U. 34-07N 119-07W.
K. 35-57N 121-32W.	V. 34-04N 119-04W.
L. 34-59N 120-42W.	
 2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
 3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
 4. CANCEL NAVAREA XII 65/03.

(131005Z MAR 2003)

HYDROPACS

Messages in force 131200Z March 2003:

2000 series	1843(22)	185(19)	311(81)	380(71)	426(61)
597(73)	2057(71,93)	197(71)	317(81)	381(61)	427(71,74)
1557(94)	2111(62)	207(62)	318(93)	386(19,81)	428(63)
2001 series	2191(22)	210(83)	320(93)	387(74)	429(62)
1556(71)	2199(63)	215(GEN)	327(62)	390(GEN)	431(63)
1636(96)	2277(GEN)	221(81)	328(97)	394(75)	433(63)
1647(GEN)	2330(62)	225(63)	332(62)	395(94)	434(61)
1976(62)	2339(63)	232(93)	333(62)	398(62)	435(GEN)
2002 series	2402(22)	234(83)	336(71)	399(54,56)	436(61)
146(62)	2432(22)	237(81)	343(94,95)	400(63)	437(61)
196(61)	2437(72)	250(81)	344(94,95)	403(63)	438(75)
205(GEN)	2465(63)	251(81)	350(95)	404(63)	439(GEN)
206(GEN)	2003 series	253(62)	351(95)	407(81)	440(73,74)
207(93)	3(63)	268(62)	355(62)	410(62)	442(74)
352(73)	74(63)	280(81)	361(63)	411(81)	443(74)
403(72,73)	100(29)	281(97)	362(95)	415(63)	444(22)
637(75)	109(29)	298(63)	363(95)	416(23,29)	445(96)
828(62)	129(63)	301(75)	365(63)	418(75)	
1315(62)	151(63)	303(81)	368(75)	420(74)	
1661(GEN)	167(95)	304(93)	375(97)	423(76)	
1765(71)	171(71,93)	310(94,97)	379(81)	424(74)	

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

HYDROPAC WARNINGS issued from 121200Z December 2002 to 131200Z March 2003.

2345/02 thru 2401/02. CANCELED.

2402/02(22). PERU.

CHART 22170 (3RD ED).

1. CERRO AZUL LIGHT, FL (2) 10 SEC 18 METERS 9 MILES,

ESTABLISHED IN 13-01-49S 076-29-23W.

2. CANCEL HYDROPAC 1842/02.

(211340Z DEC 2002)

2403/02 thru 2431/02. CANCELED.

2432/02(22). CHILE.

CHART 22281 (9TH ED).

RACON (T) ESTABLISHED AT PUNTA TORTUGA LIGHT

29-55.9S 071-21.0W.

(270205Z DEC 2002)

2433/02 thru 2436/02. CANCELED.

2437/02(72). JAWA SEA.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE

BY M/V PACIFIC SWORD TOWING 3.7 MILE LONG CABLE

IN AREA BETWEEN 07-00S 07-27S AND 112-33E 114-27E.

(271310Z DEC 2002)

2438/02 thru 2464/02. CANCELED.

2465/02(63). INDIA-WEST COAST.

1. SEISMIC SURVEY 01 JAN THRU 31 MAR BY

M/V SAGAR SANDHANI TOWING TWO 6500 METER

LONG CABLES IN AREA BETWEEN

19-27N 18-57N AND 071-51E 072-26E.

WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 01 APR 03.

(311512Z DEC 2002)

2466/02 and 2467/02. CANCELED.

1/03 and 2/03. CANCELED.

- 3/03(63). INDIA-WEST COAST.
CHART 63080 (5TH ED).
RADIOBEACON AT DIU HEAD LIGHT 20-41.3N 070-49.7E OFF AIR.
(021110Z JAN 2003)
- 4/03 thru 73/03. CANCELED.
- 74/03(63). INDIA-WEST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 15 MAY BY M/V MEZEN
TOWING 6000 METER LONG CABLE IN AREA BOUND BY
20-38N 066-50E, 18-12N 065-46E, 11-07N 069-44E,
09-32N 074-02E, 20-44N 068-50E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 MAY.
(151432Z JAN 2003)
- 75/03 thru 99/03. CANCELED.
- 100/03(29). ANTARCTICA. BRANSFIELD STRAIT.
CHART 29105 (5TH ED).
MONTRAVEL ROCK RACON 63-09S 058-02W CHANGED TO: (M) 8 MILES.
(181830Z JAN 2003)
- 101/03 thru 108/03. CANCELED.
- 109/03(29). ANTARCTICA. MARGUERITE BAY.
CHART 29142 (3RD ED).
DANGEROUS SUBMERGED ROCKS, LEAST DEPTH 6.4 METERS,
IN 67-56-02.0S 067-33-42.7W.
(201504Z JAN 2003)
- 110/03 thru 128/03. CANCELED.
- 129/03(63). INDIA-EAST COAST.
CHART 63280 (3RD ED).
1. ANTERVEDI RADIOBEACON 16-19N 081-44E OFF AIR.
2. CANCEL HYDROPAC 119/03(22).
3. CANCEL HYDROPAC 122/03(81,97), VESSEL SUNK.
(241310Z JAN 2003)
- 130/03 thru 150/03. CANCELED.
- 151/03(63). INDIA-EAST COAST.
CHART 63320 (8TH ED).
RADIOBEACON AT PARADIP LIGHT 20-15N 086-39E OFF AIR.
(281140Z JAN 2003)
- 152/03 thru 166/03. CANCELED.
- 167/03(95). RUSSIA. SEA OF JAPAN.
CHART 95243 (4TH ED).
DANGEROUS WRECK IN 42-20.7N 130-48.0E.
(291220Z JAN 2003)
- 168/03 thru 170/03. CANCELED.
- 171/03(71,93). SOUTH CHINA SEA.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V GECCO EAGLE TOWING FOUR MILE LONG CABLE IN
AREA BOUND BY 06-40N 115-12E, 06-21N 115-20E,
05-27N 114-27E, 05-33N 114-21E, 06-00N 114-33E.
(300310Z JAN 2003)
- 172/03 thru 184/03. CANCELED.
- 185/03(19). NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
25-20.9N 177-10.1E AT 311629Z JAN.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC HONOLULU, TELEX: 392401,
PHONE: 808 541 2500, FAX: 808 541 2123.
(010750Z FEB 2003)
- 186/03 thru 196/03. CANCELED.

SECTION III

NM 13/03

197/03(71). STRAIT OF MALACCA.
CHART 71275 (3RD ED).
RACON AT GOSONG CLARK LIGHT 01-42.8N 102-24.2E OFF AIR.
(031550Z FEB 2003)

198/03 thru 206/03. CANCELED.

207/03(62). PERSIAN GULF. IRAN.
PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V DLB ABOUZAR 1200 ALONG TRACKLINE JOINING
27-31.2N 052-34.1E, 27-30.3N 052-33.0E,
27-30.2N 052-32.9E, 27-30.1N 052-32.8E,
27-29.9N 052-32.6E, 27-29.8N 052-32.3E,
27-29.8N 052-32.3E, 27-29.7N 052-32.0E,
27-29.6N 052-31.7E, 27-29.6N 052-31.6E,
27-28.6N 052-30.1E, 27-26.4N 052-26.6E,
26-48.4N 052-06.1E, 26-43.6N 052-01.6E.
(041810Z FEB 2003)

208/03 and 209/03. CANCELED.

210/03(83). SOUTH PACIFIC.
VESSEL REPORTS CREWMAN WITH LEG INJURY VICINITY 46-00S 144-41W.
VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL ASSISTANCE
REQUESTED TO ASSIST IF POSSIBLE. REPORTS TO
MARITIME OPERATIONS NEW ZEALAND, TELEX: 4512 00067,
FAX: 644 914 5520, PHONE: 644 914 5663 OR
TAUPO MARITIME RADIO.
(050245Z FEB 2003)

211/03 thru 214/03. CANCELED.

215/03(GEN). MEDITERRANEAN SEA.
1. U.S. FORCES IN THE MEDITERRANEAN SEA ARE OPERATING
AT A HEIGHTENED STATE OF READINESS AND TAKING ADDITIONAL
DEFENSIVE PRECAUTIONS AGAINST TERRORIST AND OTHER
POTENTIAL THREATS. ALL AIRCRAFT OR SURFACE VESSELS
APPROACHING U.S. FORCES ARE REQUESTED TO MAINTAIN RADIO
CONTACT WITH U.S. FORCES ON BRIDGE-TO-BRIDGE CHANNEL 16,
INTERNATIONAL AIR DISTRESS (121.5 MHZ VHF) OR
MILAIR DISTRESS (243.0 MHZ UHF).
2. U.S. FORCES WILL EXERCISE APPROPRIATE MEASURES IN
SELF-DEFENSE IF WARRANTED BY THE CIRCUMSTANCES.
AIRCRAFT AND SURFACE VESSELS APPROACHING U.S. FORCES
WILL HELP MAKE THEIR INTENTIONS CLEAR AND AVOID
UNNECESSARY INITIATION OF SUCH DEFENSIVE MEASURES BY
MAKING PRIOR CONTACT AS DESCRIBED ABOVE.
3. NOTHING IN THIS WARNING IS INTENDED TO IMPEDE OR
OTHERWISE INTERFERE WITH THE FREEDOM OF NAVIGATION
OR OVERFLIGHT OF ANY VESSEL OR AIRCRAFT, OR TO LIMIT
OR EXPAND THE INHERENT SELF-DEFENSE RIGHTS OF U.S. FORCES.
THIS WARNING IS PUBLISHED SOLELY TO ADVISE OF THE
HEIGHTENED STATE OF READINESS OF U.S. FORCES AND TO
REQUEST THAT RADIO CONTACT BE MAINTAINED AS DESCRIBED ABOVE.
4. SPECIAL WARNING NUMBER 120 REFERS.
(051350Z FEB 2003)

216/03 thru 220/03. CANCELED.

221/03(81). NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED FROM F/V FONG SEONG NO. 779
IN 02-56N 165-17E. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC ALAMEDA, TELEX: 2301 72343,
PHONE: 510 437 3701.
(071820Z FEB 2003)

222/03 thru 224/03. CANCELED.

225/03(63). INDIA-WEST COAST.
1. SEISMIC SURVEY 09 FEB THRU 14 MAY BY M/V C-EXPLORER
TOWING THREE 4500 METER LONG CABLES IN AREA BOUND BY
20-42.0N 071-11.0E, 20-42.0N 072-34.0E,
20-15.0N 072-19.0E, 20-30.0N 072-00.0E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 15 MAY.
(072131Z FEB 2003)

226/03 thru 231/03. CANCELED.

232/03(93). SOUTH CHINA SEA.

DISTRESS SIGNAL RECEIVED FROM VESSEL LADY GERDA IN
09-50N 108-18E AT 081619Z FEB. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO SINGAPORE PORT OPERATIONS CONTROL CENTER,
TELEX: 20021, PHONE: 62265539, FAX: 62279971.

(082008Z FEB 2003)

233/03. CANCELED.

234/03(83). SOUTH PACIFIC.

M/V RAY TAI REPORTS MASTER REQUIRING MEDICAL ASSISTANCE
IN 10-59S 168-00W. VESSELS IN VICINITY ABLE TO PROVIDE
MEDICAL ASSISTANCE REQUESTED TO 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.

(091308Z FEB 2003)

235/03 and 236/03. CANCELED.

237/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 13-12.9N 134-44.5E
AT 100309Z FEB. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(100640Z FEB 2003)

238/03 thru 249/03. CANCELED.

250/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN
11-08.1N 135-35.2E AT 111453Z FEB.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC GUAM, TELEX: 392401,
PHONE: 671 339 6100, FAX: 671 339 6210.

(111640Z FEB 2003)

251/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN
08-42.1N 132-19.6E AT 111449Z FEB.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC GUAM, TELEX: 392401,
PHONE: 671 339 6100, FAX: 671 339 6210.

(111645Z FEB 2003)

252/03. CANCELED.

253/03(62). GULF OF ADEN.

DISTRESS SIGNAL RECEIVED FROM M/V OLIVETT IN
12-34N 046-06E. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC ALAMEDA, TELEX: 2301 72343,
PHONE: 510 437 3701.

(112310Z FEB 2003)

254/03 thru 267/03. CANCELED.

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

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

(131020Z FEB 2003)

269/03 thru 279/03. CANCELED.

280/03(81). NORTH PACIFIC.

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

(151515Z FEB 2003)

SECTION III

NM 13/03

- 281/03(97). NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 38-56N 157-51E
AT 151309Z FEB. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JAPAN COAST GUARD.
(151615Z FEB 2003)
- 282/03 thru 297/03. CANCELED.
- 298/03(63). INDIA-EAST COAST.
1. SEISMIC SURVEY 20 FEB THRU 30 APR BY
M/V RAMFORM VANGUARD IN AREA BOUND BY
15-00N 080-23E, 15-00N 081-15E,
14-30N 081-15E, 14-30N 082-00E,
15-29N 082-00E, 15-25N 081-20E,
15-08N 080-50E, 15-21N 080-41E,
15-20N 080-40E, 15-13N 080-31E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 2298/02.
3. CANCEL THIS MSG 01 MAY.
(181150Z FEB 2003)
- 299/03 and 300/03. CANCELED.
- 301/03(75). AUSTRALIA-SOUTHEAST COAST.
CHART 75130 (16TH ED).
CAPE WILLOUGHBY LIGHT 35-50.6S 138-08.0E
CHANGED TO: FL (3) W 15 SEC 11 MILES.
(181240Z FEB 2003)
- 302/03. CANCELED.
- 303/03(81). NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED IN 18-42.8N 177-54.0E AT 190032Z FEB.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO RCC HONOLULU, TELEX: 392401,
PHONE: 808 541 2500, FAX: 808 541 2123.
(190225Z FEB 2003)
- 304/03(93). SOUTH CHINA SEA.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 15-54.8N 115-55.3E
AT 190521Z FEB. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO PAC RCC,
TELEX: 392401, PHONE: 808 531 1112, FAX: 808 541 2123.
(190800Z FEB 2003)
- 305/03 thru 309/03. CANCELED.
- 310/03(94,97). NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM
M/V PENDOLA, 16 PERSONS ON BOARD, IN
26-41N 132-30E. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JAPAN COAST GUARD.
(201845Z FEB 2003)
- 311/03(81). NORTH PACIFIC. FEDERATED STATES OF MICRONESIA.
1. 19 FOOT VESSEL, FOUR PERSONS ON BOARD, REPORTED OVERDUE
WENO TO NAMA SINCE 051000Z FEB. VESSEL BELIEVED TO BE WITHIN
100 MILES OF 06-54N 147-35E. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.
2. CANCEL HYDROPAC 284/03.
(202255Z FEB 2003)
- 312/03 thru 316/03. CANCELED.
- 317/03(81). NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED IN 03-54.2N 165-46.2E
AT 211517Z FEB. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC HONOLULU, TELEX: 392401,
PHONE: 808 541 2500, FAX: 808 541 2123.
(212321Z FEB 2003)
- 318/03(93). SOUTH CHINA SEA.
DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 16-03.2N 109-32.5E
AT 220003Z FEB. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC HONG KONG, TELEX: 82952.
(220037Z FEB 2003)

319/03. CANCELED.

320/03(93). SOUTH CHINA SEA.

DISTRESS SIGNAL RECEIVED IN 09-28N 110-06E.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS
TO SINGAPORE PORT OPERATIONS CONTROL CENTER,
TELEX: 20021, PHONE: 6226 5539, FAX: 6227 9971.

(220955Z FEB 2003)

321/03 thru 326/03. CANCELED.

327/03(62). SOUTHERN RED SEA.

DISTRESS SIGNAL RECEIVED FROM M/V NEPTUNE, 22 PERSONS ON BOARD,
DISABLED AND ADRIFT AND IN NEED OF MEDICAL ASSISTANCE IN
14-19N 041-28E AT 231000Z FEB. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JRCC STAVANGER.

(231108Z FEB 2003)

328/03(97). NORTH PACIFIC.

MAN OVERBOARD FROM F/V SAKAE MARU NO.8 IN 30-31N 168-44E
AT 231650Z FEB. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JAPAN COAST GUARD.

(240224Z FEB 2003)

329/03 thru 331/03. CANCELED.

332/03(62). GULF OF SUEZ.

1. PIPELINE OPERATIONS IN PROGRESS UNTIL 24 MAR
BY BARGES VICINITY OF TRACKLINE BETWEEN
27-51.4N 033-42.8E AND 27-52.5N 033-41.3E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 73/03.
3. CANCEL THIS MSG 25 MAR.

(241240Z FEB 2003)

333/03(62). GULF OF SUEZ.

1. PIPELINE OPERATIONS IN PROGRESS UNTIL 22 MAR
BY BARGES VICINITY OF TRACKLINE BETWEEN
28-06.0N 033-18.7E AND 28-11.3N 033-28.7E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 23 MAR.

(241250Z FEB 2003)

334/03 and 335/03. CANCELED.

336/03(71). STRAIT OF MALACCA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1601Z DAILY 01,
03 THRU 08, 10 THRU 15, 17 THRU 22, 24 THRU 29
AND 31 MAR IN AREA BOUND BY 04-33N 099-48E,
04-14N 100-17E, 04-53N 100-06E.
2. CANCEL THIS MSG 311701Z MAR.

(241540Z FEB 2003)

337/03 thru 342/03. CANCELED.

343/03(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 03 THRU 08,
10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN
AREA BETWEEN 36-05N 36-35N AND 124-50E 125-42E.
2. CANCEL THIS MSG 291100Z MAR.

(250940Z FEB 2003)

344/03(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 03 THRU 08,
10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN
AREA BETWEEN 34-50N 35-15N AND 124-50E 125-42E.
2. CANCEL THIS MSG 291100Z MAR.

(250950Z FEB 2003)

345/03 thru 349/03. CANCELED.

SECTION III

NM 13/03

- 350/03(95). SEA OF JAPAN. ORDNANCE.
1. BOMBING EXERCISES 0000Z TO 0700Z DAILY 03 THRU 08,
10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN
AREA BOUND BY 38-08N 129-51E, 38-08N 130-10E,
37-39N 130-10E, 37-42N 129-51E.
2. CANCEL THIS MSG 290800Z MAR.
(261300Z FEB 2003)
- 351/03(95). YELLOW SEA. ORDNANCE.
1. BOMBING EXERCISES 0000Z TO 1000Z DAILY 03 THRU 08,
10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN AREA
BOUND BY 36-35.0N 125-36.0E, 36-35.0N 124-50.0E,
37-06.0N 124-50.0E, 37-10.2N 125-36.0E.
2. CANCEL THIS MSG 291100Z MAR.
(261400Z FEB 2003)
- 352/03 thru 354/03. CANCELED.
- 355/03(62). GULF OF SUEZ.
1. SEISMIC SURVEY IN PROGRESS UNTIL 31 MAR
BY M/V GEO PACIFIC TOWING SIX 3000 METER
LONG CABLES IN AREA BOUND BY
29-39N 032-25E, 29-42N 032-38E,
29-15N 032-52E, 29-15N 032-40E,
29-27N 032-30E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 305/03 AND 354/03(75).
3. CANCEL THIS MSG 01 APR.
(271300Z FEB 2003)
- 356/03 thru 360/03. CANCELED.
- 361/03(63). ARABIAN SEA.
1. SURVEY OPERATIONS IN PROGRESS UNTIL 31 MAY BY
M/V C-ORION TOWING FOUR 5000 METER LONG CABLES
IN AREA BOUND BY 20-54.3N 066-42.7E,
21-35.5N 066-56.3E, 21-31.2N 067-11.0E,
20-50.0N 066-57.3E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JUN.
(280940Z FEB 2003)
- 362/03(95). SEA OF JAPAN. ORDNANCE.
1. BOMBING EXERCISES 0001Z TO 1300Z DAILY
03 THRU 08, 10 THRU 15, 17 THRU 22 AND
24 THRU 29 MAR IN AREA BOUND BY
38-25N 128-45E, 38-25N 129-30E,
38-10N 129-30E, 38-10N 129-00E,
38-17N 129-00E, 38-17N 128-45E.
2. CANCEL THIS MSG 291400Z MAR.
(281005Z FEB 2003)
- 363/03(95). YELLOW SEA. ORDNANCE.
1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 03 THRU 08,
10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN
AREA BETWEEN 35-35N 36-00N AND 125-00E 125-30E.
2. CANCEL THIS MSG 291400Z MAR.
(281010Z FEB 2003)
- 364/03. CANCELED.
- 365/03(63). INDIA-SOUTHEAST COAST.
CHART 63220 (5TH ED).
1. LARGE STRUCTURE ESTABLISHED UNTIL 15 MAY
IN AREA BETWEEN 08-23N 08-25N AND
078-33E 078-38E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 MAY.
(281150Z FEB 2003)
- 366/03 and 367/03. CANCELED.
- 368/03(75). AUSTRALIA-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY
M/V WESTERN MONARCH TOWING SEVEN 3 MILE LONG CABLES
IN AREA BETWEEN 37-35S 40-30S AND 147-57E 151-08E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 347/03 AND 358/03(22).
(010001Z MAR 2003)
- 369/03 thru 374/03. CANCELED.

375/03(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED VICINITY 33-40.9N 168-17.0E AT 021300Z MAR.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU,
TELEX: 392401, PHONE: 808 541 2500, FAX: 808 541 2133.

(021400Z MAR 2003)

376/03 thru 378/03. CANCELED.

379/03(81). NORTH PACIFIC. TRUK ISLANDS.

19 FOOT VESSEL, THREE PERSONS ON BOARD, OVERDUE WENO TO
LOSAP. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(030750Z MAR 2003)

380/03(71). STRAIT OF MALACCA.

CHART 71265 (2ND ED).
DANGEROUS WRECK MARKED BY BUOY VICINITY 01-15.0N 103-25.3E.

(030920Z MAR 2003)

381/03(61). INDIAN OCEAN. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS IN PROGRESS
UNTIL 312359Z MAR IN AREA BETWEEN
09-00S 13-00S AND 070-00E 073-00E.
2. CANCEL THIS MSG 010059Z APR.

(031040Z MAR 2003)

382/03 thru 385/03. CANCELED.

386/03(19,81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY
17-00N 178-30E AT 031535Z MAR. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU,
TELEX: 392401, PHONE: 808 541 2500, FAX: 808 541 2123.

(031700Z MAR 2003)

387/03(74). AUSTRALIA-NORTHEAST COAST.

FIVE METER VESSEL, WHITE HULL, FOUR PERSONS ON BOARD,
OVERDUE BATT REEF (16-27.8S 145-49.3E) TO
YARRABAH (16-53.9S 145-52.0E). VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811,
FAX: 612 6230 6868.

(040300Z MAR 2003)

388/03 and 389/03. CANCELED.

390/03(GEN). NAVAL COORDINATION AND PROTECTION OF
SHIPPING (NCAPS) EXERCISE IN WATERS
OFF THE REPUBLIC OF KOREA (ROK).

1. THE U.S. NAVY, IN CONJUNCTION WITH U.S. FORCES KOREA (USFK)
AND THE REPUBLIC OF KOREA (ROK) GOVERNMENT, IS CONDUCTING
AN EXERCISE DURING THE FINAL TWO WEEKS OF MARCH 2003
IN WATERS OFF THE ROK.
2. REQUEST ALL U.S. FLAGGED AND U.S. OWNED FOREIGN FLAGGED
MERCHANT VESSELS WITHIN A 72 HOUR TRANSIT TIME OF THE ROK
CALL THE SHIPPING COORDINATION CENTER, PHONE: 011 82 540 5447.
REQUEST THESE VESSELS CALL DURING THE PERIOD 192300Z TO
272300Z MAR. ALL VESSELS MEETING THESE CRITERIA ARE
REQUESTED TO CALL, EVEN IF THEIR DESTINATION IS NOT THE ROK.
3. NCAPS PERSONNEL WILL ANSWER AND RECORD THE VESSEL'S NAME,
FLAG, IRCS, MASTER'S NAME AND CONTACT INFORMATION, POSITION,
COURSE, SPEED, LAST PORT, DESTINATION AND ETA. VESSELS
WHOSE DESTINATION IS THE ROK WILL BE PROVIDED A TELEPHONE
NUMBER AND BE ASKED TO CONTACT THAT PORT'S SHIPPING
COORDINATION TEAM 24 HOURS PRIOR TO ARRIVAL.
4. UNDERSTANDING THAT INMARSAT PHONE CALLS ARE EXPENSIVE,
NCAPS PERSONNEL ARE INSTRUCTED TO KEEP SUCH CALLS BRIEF AND
TO THE POINT. BECAUSE THIS IS AN EXERCISE, ALL CONTACTS MADE
WITH MERCHANT VESSELS ARE ON A "NOT TO INTERFERE BASIS;" NO
DIVERSION ORDERS OR ANY OTHER ORDERS AFFECTING THE SAFE AND
TIMELY PASSAGE OF THE RESPONDING VESSELS WILL BE ISSUED.
5. VESSEL OPERATORS ARE REQUESTED TO PROMPTLY FORWARD THIS
ADVISORY TO THEIR VESSELS IN THE AFFECTED AREA. THIS ADVISORY
WILL SUBSEQUENTLY BE PUBLISHED IN THE NATIONAL IMAGERY AND
MAPPING AGENCY (NIMA) WEEKLY NOTICE TO MARINERS AND ON THE
MARITIME SAFETY INFORMATION DIVISION HOMEPAGE AT

SECTION III

NM 13/03

- POLLUX.NSS.NIMA.MIL. PLEASE ADVISE MASTERS OF THE IMPORTANCE OF NCAPS EXERCISES TO NATIONAL SECURITY AND REQUEST THEIR COOPERATION.
6. FOR FURTHER INFORMATION REGARDING THIS ADVISORY CONTACT THE MARITIME ADMINISTRATION, OFFICE OF SHIP OPERATIONS, CODE MAR-613, ROOM 2123, 400 7TH STREET SW, WASHINGTON, DC, 20590; PHONE: 202 366 5735 OR BY EMAIL TO OPCENTR1@MARAD.DOT.GOV.
 7. CANCEL THIS MSG 01 APR.

(041840Z MAR 2003)

391/03 thru 393/03. CANCELED.

- 394/03(75) AUSTRALIA-EAST COAST.
CHART 75261 (6TH ED).
SYDNEY DPGS STATION 33-59S 150-59E INOPERATIVE.

(051730Z MAR 2003)

- 395/03(94). PHILIPPINE SEA. GUNNERY.
1. GUNNERY EXERCISES 0200Z TO 0530Z AND 0700Z TO 1300Z DAILY 06 AND 08 MAR AND 0001Z TO 1000Z DAILY 11 AND 19 MAR IN AREA BOUND BY 23-43N 122-05E, 23-00N 122-05E, 23-20N 122-38E, 23-43N 122-38E.
 2. CANCEL HYDROPAC 371/03.
 3. CANCEL THIS MSG 191100Z MAR.

(051740Z MAR 2003)

396/03 and 397/03. CANCELED.

- 398/03(62). PERSIAN GULF. RED SEA. SAUDI ARABIA.
1. LORAN-C STATION AFIF, RATE 8830-MASTER, OFF AIR 0430Z TO 0435Z AND 1230Z TO 1235Z DAILY 08 THRU 20 MAR.
 2. CANCEL THIS MSG 201335Z MAR.

(061600Z MAR 2003)

- 399/03(54,56). EASTERN MEDITERRANEAN SEA.
1. U.S. FORCES ARE CONDUCTING COMBAT TRAINING EXERCISES IN INTERNATIONAL WATERS OFF THE NORTHERN AND EASTERN COAST OF CYPRUS UNTIL FURTHER NOTICE. COMBAT EXERCISE ACTIVITIES MAY POSE A HAZARD TO NAVIGATION. ALL VESSELS ARE ADVISED TO NAVIGATE WITH EXTREME CAUTION.
 2. REQUEST SURFACE VESSELS WITH DESTINATIONS AT PORTS IN SOUTHWESTERN TURKEY, NORTH AND EASTERN CYPRUS OR SYRIA REMAIN CLEAR OF THE FOLLOWING DESIGNATED OPERATING AREAS:
 - A. OPAREA ONE: 36-30N 034-40E, 36-12N 035-30E, 35-50N 035-30E, 35-50N 034-54E, 36-00N 034-36E, 35-45N 034-00E, 35-55N 034-00E.
 - B. OPAREA TWO: 35-25N 034-40E, 35-25N 035-30E, 34-40N 035-35E, 34-10N 035-10E, 34-10N 033-55E, 34-25N 033-55E, 34-55N 034-25E, 35-15N 034-25E.
 3. DURING THESE COMBAT TRAINING EXERCISES U.S. FORCES WILL BE OPERATING AT A HEIGHTENED STATE OF READINESS AND TAKING ADDITIONAL DEFENSIVE PRECAUTIONS AGAINST TERRORIST AND OTHER POTENTIAL THREATS. SURFACE VESSELS APPROACHING U.S. FORCES ARE REQUESTED TO MAINTAIN RADIO CONTACT WITH U.S. FORCES ON BRIDGE-TO-BRIDGE CHANNEL 16.
 4. U.S. FORCES WILL EXERCISE APPROPRIATE MEASURES IN SELF-DEFENSE IF WARRANTED BY THE CIRCUMSTANCES. SURFACE VESSELS APPROACHING U.S. FORCES SHOULD MAKE THEIR INTENTIONS CLEAR AND AVOID UNNECESSARY INITIATION OF SUCH DEFENSIVE MEASURES BY INITIATING RADIO CONTACT AS DESCRIBED ABOVE.
 5. NOTHING IN THIS WARNING IS INTENDED TO IMPEDE OR OTHERWISE INTERFERE WITH THE FREEDOM OF NAVIGATION OF ANY VESSEL, OR TO LIMIT OR EXPAND THE INHERENT SELF-DEFENSE RIGHTS OF U.S. FORCES. THIS WARNING IS PUBLISHED SOLELY TO ADVISE OF THE HEIGHTENED STATE OF READINESS OF U.S. FORCES AND TO REQUEST THAT RADIO CONTACT BE MAINTAINED AS DESCRIBED ABOVE.
 6. CANCEL HYDROPAC 391/03.

(061630Z MAR 2003)

- 400/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY 11 THRU 13 MAR 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 131330Z MAR.

(061815Z MAR 2003)

401/03 and 402/03. CANCELED.

- 403/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.
 1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 11 AND 14 MAR
 IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,
 09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
 2. CANCEL THIS MSG 141630Z MAR.

(071350Z MAR 2003)

- 404/03(63). INDIA-WEST COAST. ROCKETS.
 1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY
 12 THRU 13 MAR WITHIN 75 MILES OF
 08-31.9N 076-52.1E.
 2. CANCEL THIS MSG 131700Z MAR.

(071435Z MAR 2003)

405/03 and 406/03. CANCELED.

- 407/03(81). NORTH PACIFIC.
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY
 08-02.0N 151-39.4E AT 072213Z MAR. VESSELS
 IN VICINITY REQUESTED TO KEEP A SHARP
 LOOKOUT. ASSIST IF POSSIBLE.
 REPORTS TO RCC GUAM, TELEX: 392401,
 PHONE: 671 339 6100, FAX: 671 339 6210.

(072305Z MAR 2003)

408/03 and 409/03. CANCELED.

- 410/03(62). PERSIAN GULF. ORDNANCE.
 1. UNDERWATER ORDNANCE DETONATIONS 090500Z TO 171500Z MAR
 WITHIN ONE MILE OF 29-28N 048-43E.
 2. CANCEL THIS MSG 171600Z MAR.

(080555Z MAR 2003)

- 411/03(81). NORTH PACIFIC.
 1. DISTRESS SIGNAL RECEIVED FROM F/V CHUAN CHI CHING,
 EIGHT PERSONS ON BOARD, IN 15-00N 136-20E. VESSELS
 IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
 TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.
 2. CANCEL HYDROPAC 402/03.

(080640Z MAR 2003)

412/03 thru 414/03. CANCELED.

- 415/03(63). ANDAMAN SEA. HAZARDOUS OPERATIONS.
 1. HAZARDOUS OPERATIONS 0330Z TO 1130Z DAILY 10 AND 13 MAR
 IN AREA BETWEEN 11-24N 11-39N AND 093-03E 093-18E.
 2. CANCEL THIS MSG 131230Z MAR.

(081120Z MAR 2003)

- 416/03(23,29). SOUTH ATLANTIC. ICE.
 1. ICEBERGS REPORTED ON 08 MAR IN:
 A. A-38A, 22 MILES BY 48 MILES IN 61-54S 052-42W.
 B. A-38B, 22 MILES BY 25 MILES IN 63-12S 051-42W.
 C. A-38C, SEVEN MILES BY 11 MILES IN 60-30S 049-48W.
 D. A-38D, TWO MILES BY TEN MILES IN 63-48S 050-30W.
 E. A-43A, 14 MILES BY 35 MILES IN 67-30S 058-42W.
 F. A-43C, 24 MILES BY 41 MILES IN 59-00S 037-24W.
 G. A-43F, 22 MILES BY 44 MILES IN 66-30S 059-42W.
 H. A-43J, FIVE MILES BY 17 MILES IN 67-30S 060-24W.
 I. A-48, NINE MILES BY TEN MILES IN 63-48S 053-00W.
 J. A-49, ONE MILE BY TEN MILES IN 63-06S 052-00W.
 K. A-50, ONE MILE BY TEN MILES IN 63-30S 053-06W.
 L. A-51, TWO MILES BY 14 MILES IN 67-18S 060-30W.
 M. A-52, EIGHT MILES BY 22 MILES IN 65-30S 060-12W.
 2. CANCEL THIS MSG 16 MAR.

(090235Z MAR 2003)

417/03. CANCELED.

- 418/03(75). AUSTRALIA-SOUTHEAST COAST.
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY 39-37S 149-02E
 AT 091114Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A
 SHARP LOOKOUT. ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
 TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(091453Z MAR 2003)

SECTION III

NM 13/03

419/03. CANCELED.

420/03(74). AUSTRALIA-NORTHWEST COAST.
UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V ROCKWATER 2 VICINITY 20-54.6S 114-54.5E.
WIDE BERTH REQUESTED.

(091911Z MAR 2003)

421/03 and 422/03. CANCELED.

423/03(76). SOUTH PACIFIC. NEW ZEALAND.
1. DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM
F/V ATLANTIC DAUPHIN IN 28-23S 174-45E AT
092226Z MAR. 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.
2. CANCEL HYDROPAC 421/03, VESSEL LOCATED.

(100115Z MAR 2003)

424/03(74). AUSTRALIA-NORTHWEST COAST.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V VERITAS SEARCHER IN AREA BETWEEN
21-00S 21-25S AND 114-45E 115-15E.
FIVE MILE BERTH REQUESTED.

(100205Z MAR 2003)

425/03. CANCELED.

426/03(61). INDIAN OCEAN. MASCARENE ISLANDS.
MAN OVERBOARD FROM VESSEL MAURITIUS PRIDE VICINITY 20-35S 056-01E
AT 092130Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC REUNION,
INMARSAT-C: 4227 99193, TELEX: 916140,
PHONE: 26 243 4343, FAX: 26 271 1595.

(100710Z MAR 2003)

427/03(71,74). INDIAN OCEAN.
1. DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY 09-13S 099-24E
AT 100733Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.
2. CANCEL HYDROPAC 401/03(GEN).

(100850Z MAR 2003)

428/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY 14 THRU 21 MAR
IN AREA BETWEEN 15-11N 15-13N AND 073-52E 073-57E.
2. CANCEL THIS MSG 211330Z MAR.

(101110Z MAR 2003)

429/03(62). PERSIAN GULF.
1. DEBRIS ADRIFT 29-45.0N 049-00.5E
AT 101010Z MAR.
2. CANCEL THIS MSG 17 MAR.

(101920Z MAR 2003)

430/03. CANCELED.

431/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0130Z TO 1630Z DAILY 13 AND 14 MAR
WITHIN 60 MILES OF 15-50.5N 080-29.5E.
2. CANCEL THIS MSG 141730Z MAR.

(110720Z MAR 2003)

432/03. CANCELED.

433/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 15 THRU 21 MAR
WITHIN SIX MILES OF 14-01.0N 074-19.6E.
2. CANCEL THIS MSG 211230Z MAR.

(111339Z MAR 2003)

434/03(61). INDIAN OCEAN. ILES CROZET.

1. CABLE LAYING OPERATIONS 15 MAR THRU 05 APR BY
CABLESHIP RENE DESCARTES ALONG TRACKLINES JOINING:
A. 46-09S 051-47E, 46-13S 051-47E, 46-20S 051-43E.
B. 46-52S 051-53E, 46-48S 051-54E, 46-39S 051-54E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 06 APR.

(111500Z MAR 2003)

435/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 16 UNUSABLE 141915Z TO 150715Z MAR.
2. CANCEL THIS MSG 150815Z MAR.

(111700Z MAR 2003)

436/03(61). MOZAMBIQUE-NORTH COAST.

- CHART 61150 (4TH ED).
PONTA MATIRRE LIGHT 17-16.6S 038-11.0E UNLIT.

(112050Z MAR 2003)

437/03(61). INDIAN OCEAN. SOUTH AFRICA.

- DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM
M/V ILOILO VICTORY IN 34-17.1S 026-37.0E
AT 120215Z. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO CAPE TOWN RADIO.

(120255Z MAR 2003)

438/03(75). AUSTRALIA-SOUTH COAST.

- MAN OVERBOARD FROM 13 METER VESSEL PIET HEIN VICINITY
40-40S 148-10E AT 100600Z MAR. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC AUSTRALIA, TELEX: 7162025,
PHONE: 612 6230 6811, FAX: 612 623 06868.

(120325Z MAR 2003)

439/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 121100Z MAR 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 171(71,93), 185(19), 197(71), 207(62), 210(83),
215(GEN), 221(81), 225(63), 232(93), 234(83), 237(81),
250(81), 251(81), 253(62), 268(62), 280(81), 281(97), 298(63),
301(75), 303(81), 304(93), 310(94,97), 311(81), 317(81),
318(93), 320(93), 327(62), 328(97), 332(62), 333(62), 336(71),
343(94,95), 344(94,95), 350(95), 351(95), 355(62), 361(63),
362(95), 363(95), 365(63), 368(75), 375(97), 379(81), 380(71),
381(61), 386(19,81), 387(74), 390(GEN), 394(75), 395(94),
398(62), 399(54,56), 400(63), 403(63), 404(63), 407(81),
410(62), 411(81), 412(81), 415(63), 416(23,29), 417(GEN),
418(75), 420(74), 423(76), 424(74), 426(61), 427(71,74),
428(63), 429(62), 431(63), 433(63), 434(61), 435(GEN),
436(61), 437(61), 438(75).
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 133/03, 164/03, 170/03, 392/03, 393/03.

(121120Z MAR 2003)

440/03(73,74). PAPUA NEW GUINEA.

- CHART 74006 (2ND ED).
1. PANA WAIPONA ISLAND LIGHT 11-15.2S 152-08.1E UNLIT.
2. CANCEL HYDROPAC 412/03(81), OPERATIONS COMPLETED.

(121600Z MAR 2003)

441/03. CANCELED.

442/03(74). PAPUA NEW GUINEA.

- CHART 74006 (2ND ED).
JOMARD ISLAND LIGHT 11-15.3S 152-08.1E UNLIT.

(122300Z MAR 2003)

443/03(74). AUSTRALIA. CORAL SEA.

- VESSEL EROIKA, TAKING ON WATER AND IN NEED
OF IMMEDIATE ASSISTANCE IN 28-29S 161-51E
AT 121645 MAR. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC AUSTRALIA. TELEX: 7162025,
PHONE: 612 6230 6811, FAX: 612 6230 6868.

(122350Z MAR 2003)

444/03(22). SOUTH PACIFIC.

1. DERELICT VESSEL VENT DE SOLEI ADRIFT
VICINITY 27-04.3S 110-24.0W.
REPORTS TO PLAYA ANCHA RADIO.
2. CANCEL THIS MSG 20 MAR.

(130140Z MAR 2003)

445/03(96). RUSSIA. SAKHALIN-EAST COAST.

- CHART 96320 (4TH ED).
1. LIGHT, FL 2 SEC GRG SIX MILES WITH SECTORS
GREEN 015-067, RED 067-127, GREEN 127-205,
ESTABLISHED IN 52-28-52.2N 143-17-16.9E.
 2. CANCEL HYDROPAC 72/03.

(131040Z MAR 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), 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 13 March 2003: 00-7, 01-1, 01-5, 01-7, 02-2, 02-5, 02-7 and 03-2.

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) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002.

SPECIAL WARNINGS in force 13 March 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119 and 120.

MARINE INFORMATION**NEW EDITION OF SUMMARY OF CORRECTIONS**

Summary of Corrections for the Eastern Atlantic and Arctic Oceans, including the Mediterranean Sea (Regions 3, 4 and 5), Volume 2, 2003 Edition, is ready for issue. This publication has been corrected to 18 January 2003, including Notice to Mariners No. 3 of 2003.

This edition is produced by NIMA in digital format only, available on CD-ROM and includes the digital chart correction graphics in their full original color.

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.

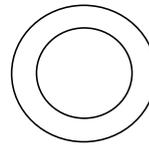
Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, 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).



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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): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

Date of Insertion _____ Date of Removal _____

If observed, Date _____ Time (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

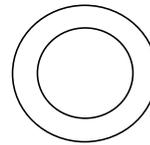
Sounding sensor or method used _____

Sounding(s) corrected for draft: Yes _____ No _____

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

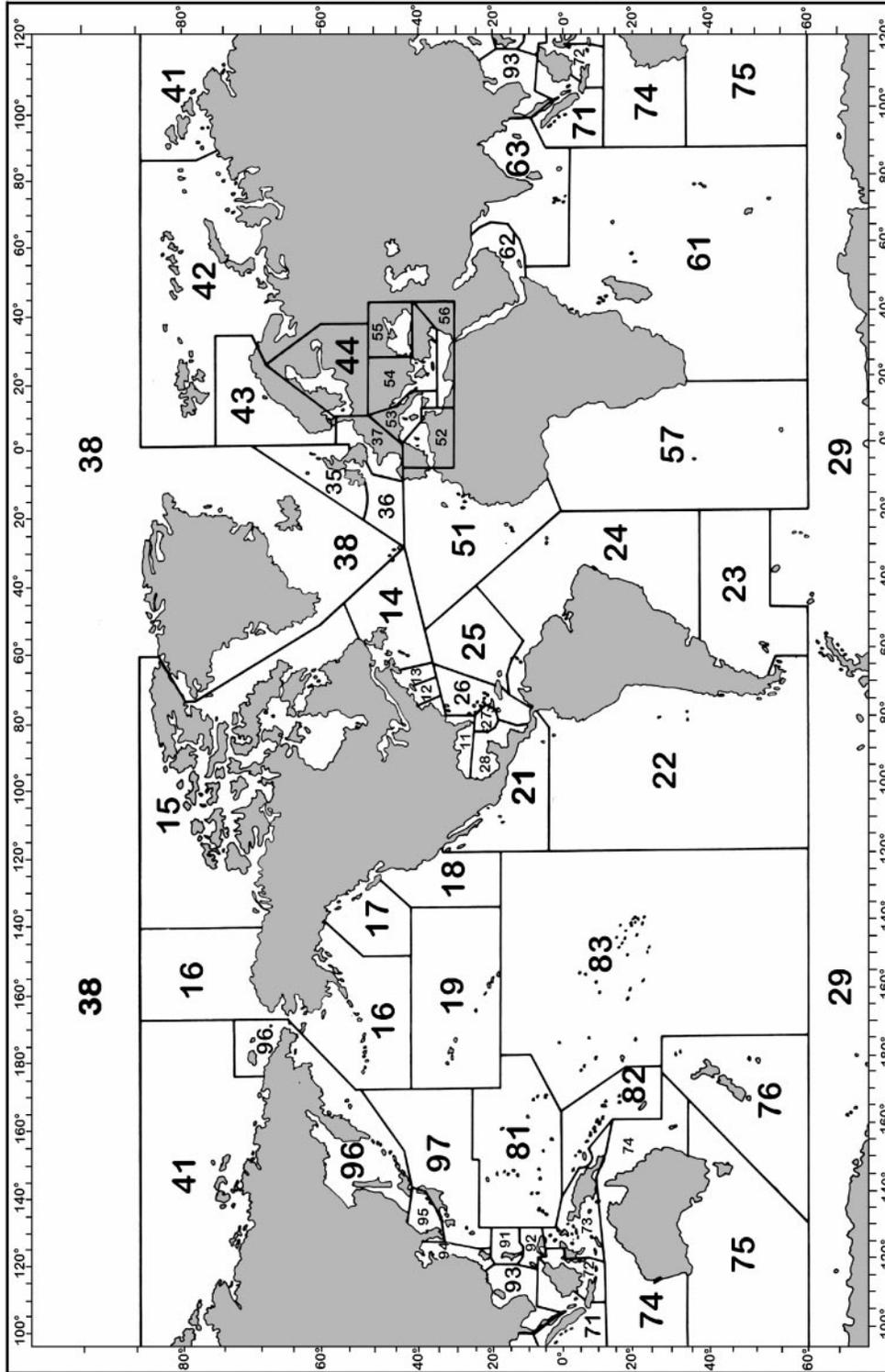


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GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

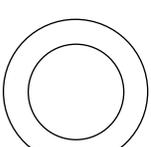
DEFENSE SUPPLY CENTER RICHMOND

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**NOTICE TO
MARINERS**

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