



No. 48

29 NOVEMBER 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 Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

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

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

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

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

Cover Photo: The **USNS GUADALUPE (T-AO 200)** is one of the Military Sealift Command's fourteen underway replenishment oilers and part of the 36 ships in the Naval Fleet Auxiliary Force (NFAF). NFAF ships are the lifeline to U.S. Navy ships at sea. By providing food, fuel, ammunition, spare parts and other supplies these ships enable our naval combatants to operate worldwide at the highest operational level possible. For years, the **GUADALUPE** has played a vital role in the re-supply of the Navy's Seventh Fleet ships operating in the Pacific. The **GUADALUPE** is 677 feet in length, has a beam of 97 feet, a draft of 35 feet and is crewed by civil service mariners. *Photo of USNS GUADALUPE courtesy of Military Sealift Command, Public Affairs Office.*

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 48/03

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

29 November 2003

ELECTRONIC CHART/PUBLICATION CORRECTION RECORD CARD NOW AVAILABLE

AN ELECTRONIC VERSION OF THE CHART/PUBLICATION CORRECTION RECORD CARD, NIMA FORM 8660-9, IS NOW AVAILABLE ON THE MARITIME SAFETY INFORMATION WEB SITE. SEE SECTION III.

EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

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

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

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

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

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

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

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

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

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

**SECTION I
CHART CORRECTIONS**

★5161	13Ed. 10/03	NEW EDITION (NOS)	48/03	Tabulation of controlling depths from Subsection I-2 (NOS)
★11302	30Ed. 9/03	NEW EDITION (NOS)	48/03	★11376 49Ed. 9/03 NEW EDITION Add Tabulation of controlling depths from Subsection I-2 (NOS)
★11309	37Ed. 9/03	NEW EDITION (NOS)	48/03	★12221 75Ed. 9/03 NEW EDITION (NOS)
★11315	31Ed. 9/03	NEW EDITION (NOS)	48/03	12230 60Ed. 5/03 LAST NM 42/03 Change Height of light "6" to 23ft (37/03 CG5) 38°15'49"N 75°55'25"W
★11329	35Ed. 9/03	NEW EDITION (NOS)	48/03	★12237 27Ed. 9/03 NEW EDITION (NOS)
★11343	37Ed. 9/03	NEW EDITION Add Tabulation of controlling depths from Subsection I-2 (NOS)	48/03	★12256 14Ed. 10/03 NEW EDITION (NOS)
★11347	33Ed. 7/02	LAST NM 47/03 (Side B, Inset 1)	48/03	★12261 28Ed. 7/1/02 LAST NM 22/03 Change Height of light "6" to 23ft (37/03 CG5) 38°15'51"N 75°55'24"W
	Delete	Depth 26 feet (See 31/03-11347)		
	Change	Legend to "39 FT JUN 2003" 30°10'54.4"N 93°18'27.0"W Legend to "36 FT JUN 2003" 30°11'28.5"N 93°17'55.9"W Legend to "32 FT JUN 2003" 30°12'36.2"N 93°16'45.8"W Legend to "28 FT JUN 2003" 30°13'24.0"N 93°16'41.7"W Legend to "30 FT JUN 2003" 30°13'19.7"N 93°16'35.5"W Legend to "28 FT JUN 2003" 30°13'35.2"N 93°14'39.2"W Legend to "27 FT JUN 2003" 30°13'58.9"N 93°14'44.8"W (See 6/03-11347)		
	Add	Depth 34 feet Depth 22 feet Depth 24 feet (NOS)	30°10'52.2"N 93°18'32.9"W 30°13'27.8"N 93°16'37.6"W 30°13'21.0"N 93°16'31.4"W	
★11351	38Ed. 3/03	LAST NM 34/03 Change Legend to "17 FT BY 400 FT JUL-AUG 2003" 29°23'48"N 91°21'51"W Legend to "14 FT BY 400 FT AUG 2003" 29°18'28"N 91°26'14"W (Supersedes 31/03-11351) (NOS)	48/03	★12281 49Ed. 5/13/00 LAST NM 44/03 Relocate Buoy "1C" from 39°14'55.3"N 76°32'21.5"W to 39°14'57.4"N 76°32'22.3"W (See 38/03-12281) (36/03 CG5)
11352	36Ed. 11/02	LAST NM 34/03 Change Legend to "17 FT BY 400 FT JUL-AUG 2003" between 29°23.2'N 91°22.0'W 29°25.4'N 91°20.0'W Legend to "14 FT BY 400 FT AUG 2003" 29°16.2'N 91°28.7'W (Supersedes 31/03-11352) (NOS)	48/03	★12284 15Ed. 3/15/97 LAST NM 42/03 Relocate Beacon "2" from 38°20'24.2"N 76°29'33.1"W to 38°20'24.3"N 76°29'31.8"W Beacon "3" from 38°20'26.0"N 76°29'48.2"W to 38°20'25.5"N 76°29'49.8"W Beacon "2" from 38°19'47.1"N 76°28'23.5"W to 38°19'47.5"N 76°28'23.1"W Light "9" from 38°20'12.2"N 76°29'21.1"W to 38°20'13.6"N 76°29'21.5"W (37/03 CG5)
11354	24Ed. 4/03	LAST NM 34/03 (Side A)	48/03	12300 43Ed. 3/03 LAST NM 44/03 Add Wreck [K29] (PA) (37/03 CG1) 41°25.0'N 69°22.0'W
	Change	Legend to "17 FT BY 400 FT JUL-AUG 2003" 29°23'38"N 91°22'00"W Legend to "14 FT BY 400 FT AUG 2003" 29°18'26"N 91°26'15"W (Supersedes 31/03-11354) (NOS)		
11371	36Ed. 6/03	LAST NM 35/03 Relocate Light (Fl 4s) from 30°21'22"N 89°05'12"W to 30°21'18"N 89°05'12"W	48/03	12301 21Ed. 9/15/01 LAST NM N44/03 Add Wreck [K29] (PA) (37/03 CG1) N48/03 41°25.0'N 69°22.0'W
	Add	Designation "63" to light (QG) 30°20'54"N 89°04'57"W Light "65" Fl G 2.5s 30°20'56"N 89°05'08"W Ra ref to light "8" 30°21'35"N 89°05'12"W (NOS)		
★11373	43Ed. 9/03	NEW EDITION Add Light Fl 4s 46ft	48/03	★12304 43Ed. 3/03 LAST NM 26/03 Add Depth 33 feet Wk [K26] Depth 40 feet Obstn [K41] Depth 41 feet Obstn [K41] (NOS) 39°21'23"N 75°27'02"W 39°19'52"N 75°25'05"W 39°18'08"N 75°23'06"W
				12311 42Ed. 8/03 LAST NM 38/03 Add Depth 33 feet Wk [K26] (NOS) 39°21'23"N 75°27'02"W

SECTION I

★12327	97Ed. 9/03	NEW EDITION	48/03	Dashed-line circle with legend "Subm buoy (cov 19fms)"	73°20.3'N 166°03.6'W	
Add	Buoy "8FDR" R, Fl R 3s	40°45'09"N 73°57'48"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	73°36.7'N 166°02.6'W	
	Buoy "2FDR" R, Fl R 3s	40°45'39"N 73°57'18"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°18.5'N 152°07.7'W	
	Buoy "A" W Or (NOS; 17, 27/03 CG1)	40°40'33"N 74°03'33"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°21.1'N 152°05.9'W	
13003	47Ed. 6/03	LAST NM 45/03	48/03	Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°23.7'N 152°02.8'W	
Add	Wreck [K29] (PA) (37/03 CG1)	41°25.0'N 69°22.0'W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°26.3'N 152°00.7'W	
13006	31Ed. 6/03	LAST NM 45/03	48/03	Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°29.1'N 151°58.5'W	
Add	Wreck [K29] (PA) (37/03 CG1)	41°25.0'N 69°22.0'W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°31.9'N 151°55.9'W	
13009	30Ed. 8/02	LAST NM 45/03	48/03	Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°34.1'N 151°54.8'W	
Add	Wreck [K29] (PA) (37/03 CG1)	41°25.0'N 69°22.0'W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°39.3'N 151°48.0'W	
13200	33Ed. 1/19/02	LAST NM 45/03	48/03	Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°40.0'N 151°50.1'W	
Add	Wreck [K29] (PA) (37/03 CG1)	41°25.0'N 69°22.0'W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°41.3'N 152°32.7'W	
13201	10Ed. 8/10/96	LAST NM N45/03	N48/03	Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°23.7'N 152°02.8'W	
Add	Wreck [K29] (PA) (37/03 CG1)	41°25.0'N 69°22.0'W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°26.3'N 152°00.7'W	
★13203	12Ed. 8/14/99	LAST NM 37/02	48/03	Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°29.1'N 151°58.5'W	
Add	Wreck [K29] (PA) (37/03 CG1)	41°25.0'N 69°22.0'W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°31.9'N 151°55.9'W	
13229	27Ed. 7/28/01	LAST NM 19/03	48/03	Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°34.1'N 151°54.8'W	
	(Page C)			Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°39.3'N 151°48.0'W	
Change	Legend to "15 FT SEP 2001"	41°31'12"N 70°39'58"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°40.0'N 151°50.1'W	
	Legend to "12 FT"	41°31'07"N 70°41'15"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°41.3'N 152°32.7'W	
	(Page D, Inset 3)			Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°39.3'N 151°48.0'W	
Change	Legend to "15 FT SEP 2001"	41°31'16.8"N 70°39'58.7"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°40.0'N 151°50.1'W	
	Legend to "12 FT SEP 2001"	41°31'11.0"N 70°40'53.2"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°41.3'N 152°32.7'W	
	Legend to "16 FT FOR A WITH OF 150 FT SEP 2001"	41°31'06.3"N 70°39'56.5"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°39.3'N 151°48.0'W	
	(Page F)			Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°40.0'N 151°50.1'W	
Change	Legend to "12 FT"	41°31'12"N 70°41'08"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°41.3'N 152°32.7'W	
Add	Legend "15 FT SEP 2001"	41°31'11"N 70°39'57"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°39.3'N 151°48.0'W	
	(NOS)			(NOS)	71°28.3'N 151°56.0'W	
★13235	5Ed. 8/31/91	LAST NM 17/02	48/03	16004	11Ed. 5/16/98 LAST NM 17/03 48/03	
Change	Legend to "15 FT SEP 2001"	41°31'18.0"N 70°39'58.0"W	Add	Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°18.5'N 152°07.7'W	
	Legend to "16 FT FOR A WITH OF 150 FT SEP 2001"	41°31'07.5"N 70°39'57.0"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°21.1'N 152°05.9'W	
Add	Depth 14 feet	41°31'13.5"N 70°40'01.3"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°23.7'N 152°02.8'W	
	Dashed line (channel limit) between	41°30'52.6"N 70°39'54.9"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°26.3'N 152°00.7'W	
		41°31'14.1"N 70°40'00.2"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°29.1'N 151°58.5'W	
	Dashed line (channel limit) joining	41°31'18.6"N 70°40'01.2"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°31.9'N 151°55.9'W	
		41°31'19.0"N 70°39'58.1"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°34.1'N 151°54.8'W	
		41°31'14.4"N 70°39'56.9"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°39.3'N 151°48.0'W	
		41°31'14.3"N 70°39'58.2"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°40.0'N 151°50.1'W	
		41°30'52.7"N 70°39'52.9"W		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°41.3'N 152°32.7'W	
	Note: Dredged area remains			Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°39.3'N 151°48.0'W	
	Tabulation of controlling depths from Subsection I-2			Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°40.0'N 151°50.1'W	
	(NOS)			(NOS)	71°41.3'N 152°32.7'W	
14003	6Ed. 4/27/96	LAST NM 39/03	48/03	16005	9Ed. 7/4/98 LAST NM 36/03 48/03	
Add	Wreck [K29] (PA) (37/03 CG1)	41°25.0'N 69°22.0'W	Add	Dashed-line circle with legend "Subm buoy (cov 19fms)"	70°40.6'N 167°03.5'W	
★16003	16Ed. 1/12/02	LAST NM 36/03	48/03		Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°03.1'N 159°32.5'W
Add	Dashed-line circle with legend "Subm buoy (cov 19fms)"	70°40.6'N 167°03.5'W		(NOS)	(NOS)	
	Dashed-line circle with legend "Subm buoy (cov 19fms)"	71°03.1'N 159°32.5'W				
★16041	8Ed. 12/29/01	LAST NM 13/02	48/03	★16041	8Ed. 12/29/01 LAST NM 13/02 48/03	
Delete	Legend "(3)"	69°40'43"N 141°12'39"W	Delete	Legend "(3)"	69°40'43"N 141°12'39"W	
	Substitute Islet [K10] with legend "(3)" for rock which covers and uncovers	69°40'50"N 141°12'35"W		Substitute Islet [K10] with legend "(3)" for rock which covers and uncovers	69°40'50"N 141°12'35"W	
	(NOS)			(NOS)		
★16603	8Ed. 9/03	NEW EDITION	48/03	★16603	8Ed. 9/03 NEW EDITION 48/03	
	(NOS)					
★17372	11Ed. 9/03	NEW EDITION	48/03	★17372	11Ed. 9/03 NEW EDITION 48/03	
	(NOS)					
★18527	21Ed. 3/28/98	LAST NM 31/02	48/03	★18527	21Ed. 3/28/98 LAST NM 31/02 48/03	
Substitute	Depth 14 feet for 21 feet	45°33'30.7"N 122°43'27.5"W	Substitute	Depth 14 feet for 21 feet	45°33'30.7"N 122°43'27.5"W	
	Depth 16 feet for 26 feet	45°33'55.5"N 122°44'16.4"W		Depth 16 feet for 26 feet	45°33'55.5"N 122°44'16.4"W	
	Depth 7 feet for 10 feet	45°33'11.4"N 122°41'59.5"W		Depth 7 feet for 10 feet	45°33'11.4"N 122°41'59.5"W	
	(NOS)			(NOS)		
★18531	20Ed. 11/10/01	LAST NM 10/03	48/03	★18531	20Ed. 11/10/01 LAST NM 10/03 48/03	
Add	(Lower Panel)			Add	(Lower Panel)	
	Tabulation of controlling depths from Subsection I-2				Tabulation of controlling depths from Subsection I-2	
	(NOS)				(NOS)	

SECTION I

NM 48/03

★18558	37Ed. 2/23/02 LAST NM 39/02 Delete Double solid line, double dashed line and land tint between 45°34'13.9"N 123°57'53.6"W 45°34'13.9"N 123°57'59.3"W	48/03	★18772 47Ed. 2/03 LAST NM 21/03 Substitute Depth 9 fathoms 4 feet for 9 fathoms 7 feet 32°38'48.9"N 117°14'06.4"W Depth 8 fathoms 5 feet for 8 fathoms 7 feet 32°38'35.7"N 117°14'13.6"W Depth 11 fathoms for 10 fathoms 7 feet 32°38'19.5"N 117°14'32.4"W (NOS)	48/03
	Substitute Depth 8 feet for 12 feet Depth 25 feet for 33 feet 45°34'12.8"N 123°57'57.5"W 45°34'10.2"N 123°58'16.8"W			
Add Depth 26 feet Depth 25 feet Depth 26 feet Depth 27 feet (NOS)	45°34'13.0"N 123°58'11.6"W 45°34'07.5"N 123°58'18.6"W 45°34'05.0"N 123°58'15.3"W 45°34'03.4"N 123°58'09.5"W			
★18584 47Ed. 8/25/01 LAST NM 30/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	48/03	24370 1Ed. 8/31/85 LAST NM 34/02 Delete Buoy "V-Cor/N" 6°03.0'N 57°00.5'W	48/03	
★18649 63Ed. 9/03 NEW EDITION Substitute Beacon "16" R for buoy "16" 37°54'20.9"N 122°21'34.5"W (Previously published 43/03) (NOS)	48/03	24380 2Ed. 3/6/99 LAST NM 35/02 Delete Buoy "V-Cor/N" 6°03.0'N 57°00.5'W	48/03	
★18651 42Ed. 2/03 LAST NM 15/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	48/03	Add Buoy "COR-R" RW, pillar, ball topmark, Mo(A) 8s 6°06.7'N 56°58.3'W		
★18652 32Ed. 7/03 LAST NM 46/03 (Page A) Delete Dangerous wreck (ED) 37°47'41"N 122°22'13"W	48/03	Buoy "COR-N" RW, conical, Oc 8s (36(3886)03 Taunton)	6°02.3'N 57°00.8'W	
Change Legend to "44 FT JUL 2003" 37°54'20"N 122°25'20"W				
(Page B, Inset 2) Change Legend to "26 1/2 FT FOR WIDTH OF 300-350 FT MAR 2001-JUL 2003" 37°32'25"N 122°11'37"W				
(Page B, Inset 5) Delete Buoy "3" (G, Fl G 2.5s) 37°48'45"N 122°21'09"W		24480 1Ed. 6/16/90 LAST NM 42/03 (Panel B) Add Danger circle "Obstn" [K40] (144/03 Bogota) 10°09.0'N 75°56.2'W	48/03	
Change Legend to "SOUTHAMPTON SHOAL CHANNEL 44 FT JUL 2003" 37°54'33"N 122°25'20"W				
(Page C) Change Legend to "44 FT JUL 2003" 37°54'22"N 122°25'18"W		24504 7Ed. 6/17/95 LAST NM 42/03 Add Danger circle "Obstn" [K40] (PA) (144/03 Bogota) 10°09'02"N 75°56'13"W	48/03	
Legend to "31 FT FOR WIDTH OF 600 FT JUL 2003" 38°02'32"N 122°20'55"W Legend to "32 1/2 FT FOR WIDTH OF 600 FT JUL 2003" 38°03'20"N 122°18'09"W		24511 2Ed. 4/3/76 LAST NM 42/03 Add Danger circle "Obstn" [K40] (PA) (144/03 Bogota) 10°09'02"N 75°56'13"W	48/03	
(Page E) Add Tabulation of controlling depths from Subsection I-2 (NOS)		25607 4Ed. 7/15/95 LAST NM 39/02 Add Depth 13 meters Wk (unsurveyed) [K30] marked by buoy W, cylindrical, Q (40(4401)03 Taunton)	48/03	
★18654 42Ed. 4/6/02 LAST NM 46/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	48/03			
★18656 53Ed. 3/03 LAST NM 43/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	48/03	★26310 1Ed. 7/26/03 NEW CHART (NIMA)	N48/03	
18659 14Ed. 9/18/99 LAST NM 43/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	48/03	29040 3Ed. 9/12/98 LAST NM 39/03 Delete Depth 33 meters 54°21.7'S 36°12.4'W Depth 23 meters 54°22.0'S 36°13.3'W Depth 12.8 meters 54°22.6'S 36°15.1'W	48/03	
18666 1Ed. 11/24/01 LAST NM 33/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	48/03	Add Depth 3.4 meters, blue tint and enclosing depth contour (20-meter) 54°20.5'S 36°14.4'W Depth 6.1 meters, blue tint and enclosing depth contour (20-meter) 54°20.6'S 36°12.9'W		
		Depth 3.3 meters, blue tint and enclosing depth contour (20-meter) 54°20.5'S 36°12.0'W		
		Depth 16.4 meters, blue tint and enclosing depth contour (20-meter) 54°21.7'S 36°13.0'W		
		Depth 10.3 meters, blue tint and enclosing depth contour (20-meter) 54°21.8'S 36°11.6'W		
		Depth 5.4 meters, blue tint and enclosing depth contour (20-meter) 54°22.0'S 36°09.1'W		
		Depth 4.8 meters 54°22.7'S 36°15.1'W		
		37506 4Ed. 6/24/00 LAST NM 33/03 Add Land tint to area bound by shore and solid line [F13] between 43°28'59.5"N 8°15'15.0"W 43°29'01.5"N 8°15'01.8"W	48/03	

(continued on next page)

SECTION I

37506	(Continued) “8.5m (2002)” area bound by shore and dashed line joining and delete hydrography within above area (7(119)03 Cadiz)	Add Wreck [K29] (22(1184, 1191)03 Norrkoping)	55°59.2'N 15°38.5'E
38480	6Ed. 10/18/97 LAST NM 18/02 Add Wreck [K29] (PA) (40(262)03 Kobenhavn)	48/03 68°12.0'N 53°06.0'W	
43030	24Ed. 4/5/97 LAST NM 46/03 Add Swept depth 3.1 meters Obstn [K42] (40(162)03 Hamburg)	48/03 54°36.0'N 13°12.0'E	
43368	5Ed. 8/21/93 LAST NM 43/03 Change Light to Oc WRG 5m 6-4M Visibility (range) of light to 6-4M (BA LL)	48/03 59°02'56"N 10°01'27"E 58°59'35"N 10°02'44"E	
43369	6Ed. 12/24/94 LAST NM 43/03 Change Light to Oc WRG 5m 6-4M Visibility (range) of light to 6-4M (BA LL)	48/03 59°02'57"N 10°01'27"E 58°59'36"N 10°02'46"E	
43382	2Ed. 1/30/99 LAST NM 26/99 (Panel A) Change Light to Oc WRG 6s 5m 6-4M Visibility (range) of light to 6-4M (BA LL)	48/03 59°02'57.0"N 10°01'24.0"E 58°59'35.8"N 10°02'40.2"E	
44030	7Ed. 6/14/97 LAST NM 19/03 Add Wreck [K29] (27(372)02 Norrkoping)	48/03 62°21.8'N 17°35.1'E	
44047	22Ed. 2/8/97 LAST NM 40/03 Add Buoy YBY, spar, double cone topmark points together (33(1330)03 Norrkoping)	48/03 55°31.1'N 12°52.9'E	
44048	11Ed. 3/9/96 LAST NM 40/03 Change Light to Fl 3s 6m 4M and delete sector limits (22(1173)03 Norrkoping)	48/03 55°56'21"N 12°46'20"E	
44049	9Ed. 6/15/96 LAST NM 40/03 Add Buoy YBY, spar, double cone topmark points together (See 1/01-44049) (33(1330)03 Norrkoping)	48/03 55°31'09"N 12°52'57"E	
44081	9Ed. 3/16/96 LAST NM 46/03 Substitute Depth 0.2 meter Rk [K14] for rock awash Add Swept depth 3.1 meters Obstn [K42] (40(1516)03 Hamburg)	48/03 54°31'36"N 13°40'28"E 54°35'59"N 13°12'02"E	
44100	7Ed. 3/9/96 LAST NM 46/03 Add Swept depth 3.1 meters Obstn [K42] (40(162)03 Hamburg)	48/03 54°36.0'N 13°12.0'E	
44105	2Ed. 1/29/94 LAST NM 47/03 Delete Beacon Add Buoy G, spar Buoy R, spar (33(1326)03 Norrkoping)	48/03 56°09'08"N 14°57'06"E 56°09'04"N 14°57'05"E 56°09'05"N 14°57'04"E	
44120	7Ed. 2/22/97 LAST NM 45/03 Substitute Swept depth 10.2 meters Wk [K27] for depth 3 meters Wk (unsurveyed) Note: Legend “(marked by buoys)” remains	48/03 55°56.9'N 15°44.3'E	
44160	7Ed. 4/5/97 LAST NM 47/03 Add Dangerous submerged rock [K13] (22(1176)03 Norrkoping)	48/03 58°33.7'N 17°13.7'E	
44161	2Ed. 6/8/96 LAST NM 47/03 (Panel A) Add Submarine cable (power) [L31.1] between (22(1183)03 Norrkoping)	48/03 57°44'34"N 16°40'03"E 57°44'13"N 16°42'28"E	
44165	1Ed. 10/6/90 LAST NM 45/03 Add Dangerous submerged rock [K13] Buoy G, spar, Fl G 3s (43(594)02, 22(1176)03 Norrkoping)	48/03 58°33'42"N 17°13'44"E 58°40'47"N 17°08'58"E	
44180	6Ed. 7/6/91 LAST NM 43/03 Add Dangerous submerged rock [K13] (3(889)03 Norrkoping)	48/03 59°10.4'N 18°46.9'E	
44181	5Ed. 4/6/96 LAST NM 27/03 Add Dangerous submerged rock [K13] Dangerous submerged rock [K13] (3(889)03 Norrkoping)	48/03 59°10'22.8"N 18°46'51.0"E 59°10'17.4"N 18°46'42.0"E	
44182	4Ed. 5/28/94 LAST NM 46/03 Delete Buoy (3(888)03 Norrkoping)	48/03 59°18'22.0" N 18°02'19.8"E	
44184	9Ed. 5/11/96 LAST NM 32/03 Add Submarine cable (power) [L31.1] joining (33(1321)03 Norrkoping)	48/03 59°24'37.8"N 18°36'22.8"E 59°24'34.2"N 18°36'16.2"E 59°24'27.6"N 18°36'22.2"E	
44185	7Ed. 3/23/96 LAST NM 32/03 Add Dangerous submerged rock [K13] Dangerous submerged rock [K13] (3(889)03 Norrkoping)	48/03 59°10'22.8"N 18°46'51.0"E 59°10'17.4"N 18°46'42.0"E	
44187	2Ed. 2/3/96 LAST NM 44/03 Substitute Islets [K10] for rocks awash (2) vicinity Add Dangerous submerged rock [K13] enclosed by depth contour (6-meter) (43(590)02 Norrkoping)	48/03 59°42'38"N 19°25'00"E 59°42'41"N 19°24'56"E	
44192	1Ed. 12/18/93 LAST NM 44/03 Add Submarine pipeline [L40.1] between Anchoring prohibited area [N20] bound by shore and purple composite line joining (33(1325)03 Norrkoping)	48/03 59°24'02"N 17°36'12"E 59°24'01"N 17°37'30"E 59°24'00"N 17°36'11"E 59°23'59"N 17°37'25"E 59°24'04"N 17°37'28"E 59°24'05"N 17°36'08"E	
44193	1Ed. 7/16/94 LAST NM 43/03 Add Depth 1.3 meters Rk [K14.1] (33(1329)03 Norrkoping)	48/03 59°28'19"N 16°43'01"E	
44220	5Ed. 8/23/97 LAST NM 46/03 Add Depth 36 meters Wk (27(372)02 Norrkoping)	48/03 62°21.8'N 17°35.1'E	

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NM 48/03

44223	1Ed. 9/5/92 LAST NM 24/03 Add Depth 36 meters Wk (27(372)02 Norrkoping)	48/03 62°21'51"N 17°35'04"E	Anchorage symbol (large vessels) [N10] (Spn CH 484; 20(340)03 Cadiz) 40°24'33"N 0°26'49"E
44260	7Ed. 7/27/96 LAST NM 21/03 Add Light Oc 10s 11m 5M (33(1328)03 Norrkoping)	48/03 64°39.8'N 21°19.1'E	
52031	1Ed. 2/1/92 LAST NM 21/03 Add Wreck [K29] Dangerous wreck [K28] Dangerous wreck [K28] (Spn CH 484)	48/03 40°12.3'N 0°37.7'E 40°10.1'N 0°14.9'E 40°27.3'N 0°31.9'E	
52043	21Ed. 7/4/98 LAST NM 7/03 Add Fish haven area with blue tint [K46.1] bound by dashed line joining [Q130.6] Buoy Y, spar, "X" topmark, Fl(4) Y 20s [Q130.6] Buoy Y, spar, "X" topmark, Fl(4) Y 20s [Q130.6] Buoy Y, spar, "X" topmark, Fl(4) Y 20s [Q130.6] Buoy Y, spar, "X" topmark, Fl(4) Y 20s [Q130.6] (7(126)03 Cadiz)	48/03 36°09'57.7"N 5°22'37.2"W 36°09'52.8"N 5°22'27.6"W 36°09'48.3"N 5°22'37.2"W 36°09'52.8"N 5°22'45.0"W	
52080	14Ed. 2/8/97 LAST NM 26/03 Add Wreck [K29] Dangerous wreck [K28] Dangerous wreck [K28] Submarine pipeline [L41.1] between Submarine pipeline [L41.1] between Anchorage symbol (large vessels) [N10] Fish haven area with blue tint [K46.1] bound by dotted line joining (Spn CH 484)	48/03 40°12.3'N 0°37.7'E 40°10.1'N 0°14.9'E 40°27.3'N 0°31.9'E 40°25.1'N 0°26.2'E 40°24.5'N 0°27.6'E 40°21.3'N 0°23.9'E 40°20.7'N 0°24.7'E 40°21.6'N 0°25.0'E 40°14.9'N 0°29.1'E 40°12.9'N 0°26.9'E 40°12.9'N 0°17.4'E 40°14.9'N 0°19.3'E	
52083	2Ed. 11/9/96 LAST NM 46/03 Delete Buoy Anchorage symbol (large vessels) Anchorage symbol (large vessels) Anchorage symbol (large vessels) Anchorage symbol (large vessels) Anchorage symbol (large vessels) Add Wreck [K29] Dangerous wreck [K28] Dangerous wreck [K28] Fish haven area with blue tint [K46.1] bound by dotted line joining Submarine pipeline [L41.1] between Submarine pipeline [L41.1] between Groin (submerged) [F6.3] between Buoy BYB, spar, double cone topmark bases together, Fl(3) 10s [Q130.3] Anchorage symbol (large vessels) [N10] Anchorage symbol (large vessels) [N10]	48/03 40°10'37"N 0°14'10"E 40°23'48"N 0°26'34"E 40°24'04"N 0°26'18"E 40°24'24"N 0°26'48"E 40°24'30"N 0°26'24"E 40°24'24"N 0°25'58"E 40°12'18"N 0°37'45"E 40°10'07"N 0°14'56"E 40°27'25"N 0°31'57"E 40°14'55"N 0°29'07"E 40°12'54"N 0°26'54"E 40°12'55"N 0°17'21"E 40°14'54"N 0°19'21"E 40°25'06"N 0°26'13"E 40°24'15"N 0°27'36"E 40°21'15"N 0°23'54"E 40°20'41"N 0°24'45"E 40°21'36"N 0°24'27"E 40°20'41"N 0°24'39"E 40°21'41"N 0°24'39"E 40°24'14"N 0°26'24"E	
52092	1Ed. 12/11/93 LAST NM 16/03 Delete Anchorage symbol (large vessels) Anchorage symbol (large vessels) Anchorage symbol (large vessels) Anchorage symbol (large vessels) Anchorage symbol (large vessels) Add Anchorage symbol (large vessels) [N10] Anchorage symbol (large vessels) [N10] Submarine pipeline [L41.1] between Dangerous wreck [K28] (Spn CH 484)	48/03 40°24'09.5"N 0°26'19.5"E 40°24'26.6"N 0°26'00.0"E 40°24'34.2"N 0°26'24.3"E 40°24'30.0"N 0°26'39.0"E 40°24'25.5"N 0°26'51.2"E	
*54181	7Ed. 8/16/03 NEW EDITION (NIMA)	48/03	
55105	7Ed. 2/6/99 LAST NM 43/03 Add Light Fl G 7M, Fl R 7M (35(163)02 Istanbul)	48/03 41°58.0'N 34°30.5"E	
55150	2Ed. 6/15/96 LAST NM 36/03 Add Light Fl G 5s 7m 7M, Fl R 5s 7m 7M (35(163)02 Istanbul)	48/03 41°58.0'N 34°30.5"E	
74016	3Ed. 4/15/95 LAST NM 42/03 Delete Dangerous submerged rock Relocate Buoy from 17°59'38.3"S 122°09'32.3"E to (See 27/03-74016) (20(654)03 Wollongong)	48/03 17°59'42.6"S 122°09'30.6"E	
74475	2Ed. 7/5/97 LAST NM 42/03 Delete Dangerous submerged rock (20(654)03 Wollongong)	48/03 17°59.7'S 122°09.5"E	
74581	9Ed. 3/30/96 LAST NM 39/03 Delete Depth 5.4 meters Add Depth 6.5 meters (18(600)03 Wollongong)	48/03 32°01'53.4"S 115°42'46.0"E	
74582	9Ed. 2/10/96 LAST NM 39/03 Delete Depth 6.6 meters Depth 5.4 meters Add Depth 6.5 meters Depth 7.2 meters Depth 9 meters Light FG (6(184)00, 18(600)03 Wollongong)	48/03 32°01'48.0"S 115°42'44.9"E 32°01'52.8"S 115°42'43.7"E 32°01'49.7"S 115°42'44.9"E 32°01'52.0"S 115°42'44.0"E 32°01'45.1"S 115°42'46.1"E 32°03'44.3"S 115°44'33.6"E	
74583	15Ed. 10/14/95 LAST NM 38/03 Delete Beacon Substitute Depth 6.5 meters for 5.4 meters (5(146)00, 18(600)03 Wollongong)	48/03 32°15'06"S 115°41'44"E	
74584	5Ed. 7/22/95 LAST NM 39/03 Delete Beacon Depth 15.5 meters Add Light FG Depth 7.8 meters	48/03 32°15'06.0"S 115°41'44.0"E 32°14'21.6"S 115°42'43.8"E 32°03'44.3"S 115°44'33.6"E 32°10'26.8"S 115°45'56.0"E	

(continued on next page)

SECTION I

74584	(Continued)			
	Depth 4.6 meters	32°10'28.4"S 115°46'00.2"E	Dangerous wreck [K28] (PA) (37(771, 777)03 Tianjin)	22°00'08"N 113°58'03"E
Beacon G, cone topmark, Fl G 3s		32°15'02.6"S 115°41'45.6"E		
Submarine cable [L30.1] joining		32°16'09.4"S 115°44'24.0"E 32°16'02.4"S 115°44'16.3"E 32°14'56.8"S 115°43'45.4"E 32°14'43.8"S 115°43'39.4"E 32°14'32.0"S 115°43'28.7"E 32°14'21.9"S 115°43'10.0"E 32°14'14.3"S 115°42'53.9"E 32°13'58.4"S 115°42'28.3"E 32°13'52.8"S 115°42'19.8"E 32°13'39.1"S 115°41'56.2"E	95080 13Ed. 6/24/95 LAST NM 32/03 Add Dangerous wreck [K28] (36(630)03 Inchon)	48/03 35°03'15"N 125°56'15"E
"Shellfish Beds" area [K47] bound by purple dashed line joining		32°14'13.4"S 115°42'06.4"E 32°14'13.6"S 115°42'21.7"E 32°14'23.3"S 115°42'21.5"E 32°14'23.2"S 115°42'06.3"E	95146 14Ed. 5/14/94 LAST NM 37/03 Add Dangerous wreck [K28] Dangerous wreck [K28] Dangerous wreck [K28] Dangerous wreck [K28] Dangerous wreck [K28] (37(684)03 Inchon)	48/03 35°07'23"N 128°40'42"E 35°08'30"N 128°40'42"E 35°08'17"N 128°41'27"E 35°02'12"N 128°36'42"E 35°06'42"N 128°40'07"E
"Shellfish Beds" area [K47] bound by purple dashed line joining		32°14'15.7"S 115°42'48.5"E 32°14'30.6"S 115°43'13.3"E 32°14'48.7"S 115°43'30.1"E 32°14'54.8"S 115°43'21.5"E 32°14'37.7"S 115°43'05.3"E 32°14'23.7"S 115°42'41.9"E	★97063 2Ed. 8/30/03 NEW EDITION (NIMA)	48/03
Buoy Y, spar, "X" topmark, QY		32°14'13.4"S 115°42'06.4"E	★97065 2Ed. 9/6/03 NEW EDITION Substitute Position circle "Tr (Y Lt)" for buoy	48/03 38°24'08.0"N 141°30'33.0"E
Buoy Y, spar, "X" topmark, QY		32°14'13.6"S 115°42'21.7"E	Add Ra ref [S4] to buoy (NIMA; 29(1129)03 Tokyo; Jpn CH W1095)	38°24'25.0"N 141°30'44.0"E
Buoy Y, spar, "X" topmark, QY		32°14'23.3"S 115°42'21.5"E		
Buoy Y, spar, "X" topmark, QY		32°14'23.2"S 115°42'06.3"E		
Buoy Y, spar, "X" topmark, QY		32°14'15.7"S 115°42'48.5"E		
Buoy Y, spar, "X" topmark, QY		32°14'15.4"S 115°42'21.5"E		
Buoy Y, spar, "X" topmark, QY		32°14'30.6"S 115°43'13.3"E		
Buoy Y, spar, "X" topmark, QY		32°14'48.7"S 115°43'30.1"E		
Buoy Y, spar, "X" topmark, QY		32°14'54.8"S 115°43'21.5"E		
Buoy Y, spar, "X" topmark, QY		32°14'37.7"S 115°43'05.3"E		
Buoy Y, spar, "X" topmark, QY		32°14'23.7"S 115°42'41.9"E		
(4(122), 5(145, 146), 6(184)00, 19(631)03 Wollongong)				
93006	2Ed. 7/29/95 LAST NM 44/03	48/03		
Add Dangerous wreck [K28] (PA) (37(771)03 Tianjin)		22°00.1'N 113°58.0'E		
93720	10Ed. 8/12/95 LAST NM 44/03	48/03		
Add Dangerous wreck [K28] (PA) (37(771)03 Tianjin)		22°00.1'N 113°58.0'E		
93721	5Ed. 6/5/99 LAST NM 46/03	48/03		
Substitute Depth 3.5 meters for 4.1 meters		22°15'58"N 114°00'16"E		
Add Depth 2 meters Wk [K26]		22°26'54"N 113°55'28"E		
Depth 4 meters, blue tint and enclosing depth contour (5-meter) centered		22°15'36"N 114°01'36"E		
Depth 2.9 meters		22°15'46"N 114°02'13"E		
Dangerous wreck [K28] (PA) (See 9/02-93721)		22°00'08"N 113°58'03"E		
(37(771, 774, 777)03 Tianjin)				
93730	3Ed. 6/29/96 LAST NM 47/03	48/03		
Add Depth 2 meters Wk [K26]		22°26.9'N 113°55.5'E		
Dangerous wreck [K28] (PA) (37(771, 774)03 Tianjin)		22°00.1'N 113°58.0'E		
93733	13Ed. 6/28/97 LAST NM 47/03	48/03		
Delete Depth 3 meters		22°15'51"N 114°02'22"E		
Substitute Depth 3.5 meters for 4.1 meters		22°15'58"N 114°00'16"E		
Add Depth 4 meters		22°15'36"N 114°01'36"E		
Depth 2.9 meters		22°15'46"N 114°02'13"E		

SECTION I

NM 48/03

Chart 11343

NM 48/03

SABINE AND NECHES RIVERS CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) PROJECT DIMENSIONS							
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	RIGHT INSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
SABINE-NECHES CANAL :							DEPTH (FEET)
PORT ARTHUR TO NECHES RIVER	28	37	35	28	7-03	400	9.6
NECHES RIVER TO SABINE RIVER	24	26	27	25	7-03	200	3.9
NECHES RIVER:							30
MOUTH TO SMITH BLUFF	34	37	35	33	7-03	400	8.3
TURNING BASIN AT DEER BAYOU	43	42	42	41	7-03	700	0.2
TURNING BASIN AT SMITHS BLUFF	38	38	35	34	7-03	1400-400	0.2
SMITH BLUFF TO BEAUMONT	33	39	37	30	7-03	400	7.5
TURNING BASIN (30°02'12"N, 94°01'58"W)	36	39	40	37	7-03	400-1306	0.2
CHANNEL EXTENSION	34	36	34	28	4-03	350	0.2
MANEUVERING AREA (30°04'44"N, 94°05'05"W)	32	39	38	32	7-03	400-1000	0.6
BEAUMONT TURNING BASIN	37	35	36	30	4-03	400-535	0.2
TURNING BASIN EXTENSION	34	33	33	25	7-03	300	0.2
THENCE TO TRINITY INDUSTRIES	18	22	23	16	4-03	200	0.6
SABINE RIVER:							30
MOUTH TO ORANGE MUNICIPAL SLIP	26	29	30	27	7-03	200	6.6
ORANGE TURNING BASIN	28	31	31	31	7-03	200-1400	0.6
ORANGE MUNICIPAL SLIP	24	30	26	20	9-02	150-200	0.5
ORANGE MUNICIPAL SLIP TO OLD HIGHWAY BRIDGE SITE	27	29	32	29	12-02	200	2.2
CHANNEL AROUND ORANGE HARBOR ISLAND	13	16	20	18	9-02	150-200	1.6
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11373

NM 48/03

SHIP ISLAND PASS AND GULFPORT HARBOR CHANNELS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 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 (FEET)
SHIP ISLAND BAR CHANNEL	33.8	36.0	34.7	4-00	300	10.0	38
GULFPORT CHANNEL	34.6	36.0	35.8	6-03	220	10.6	36
ANCHORAGE BASIN	31.8	26.2	30.1	5-03	1110-1220	0.4	32-36
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

SECTION I

NM 48/03

Chart 11376

NM 48/03

MOBILE BAY AND RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 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)
ENTRANCE CHANNEL	42.2	47.0	44.2	7-03	600	7.0	47
MOBILE BAY:							
LOWER REACH (TO LIGHT 50)	40.8	44.6	42.5	7-03	400	11.8	45
UPPER REACH	32.1	39.7	36.5	7-03	400	13.4	40-45
MOBILE RIVER:							
PINTO ISLAND REACH	34.6	37.7	35.1	3-02	700-800	0.6	40
MOBILE CHANNEL	35.9	40.0	36.4	4-02	600	1.5	40
MOBILE TURNING BASIN	39.9	39.1	39.8	3-02	200-675	0.4	40
BLAKELEY ISLAND REACH	38.3	36.0	31.9	3-02	500	1.0	40
ST. LOUIS POINT REACH	18.9	25.4	22.3	6-00	500	0.2	25
CHICKASAW CREEK CHANNEL	15.6	24.7	22.4	7-01	250	2.7	25
ARLINGTON CHANNEL	15.7	18.9	19.0	4-03	150	1.4	27
OCEAN TERMINAL TURNING BASIN	16.5	18.4	14.5	4-03	600	0.1	27
THEODORE SHIP CHANNEL:							
BAY CUT	35.2	37.5	37.1	9-01	400	4.5	40
ANCHORAGE AREA	40.0	40.0	39.9	9-01	300	0.2	40
LAND CUT	36.6	38.4	A36.6	9-01	300	1.5	40
TURNING BASIN	37.0	38.0	34.8	9-01	1400	0.3	40
BARGE CHANNEL	10.4	11.6	9.0	1-02	100	1.1	12
A. ROCK OBSTRUCTIONS REPORTED FROM BUOY "20", CONTINUING FOR APPROXIMATELY 600 FEET EASTWARD. MINIMUM DEPTH OVER ROCKS IS 38 FEET.							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 13235

NM 48/03

WOODS HOLE CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 1991 AND SURVEYS TO SEP 2001							
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)
THE STRAIT	12.0	13.0	12.0	9-01	300	0.61	13
BROADWAY	12.6	11.6	12.7	8-89	300	0.17	13
BRANCH	12.1	13.0	13.0	8-89	300	0.13	13
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 18531 (Lower Panel)

NM 48/03

COLUMBIA RIVER CHANNEL DEPTHS TOMAHAWK BAR TO BONNEVILLE LOCKS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MARCH 2003						
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)
TOMAHAWK BAR	18	18	17	10-01	300	3.7
AIRPORT BAR	17	16	18	3-03	300	2.8
GOVERNMENT ISLAND LOWER RANGE	16	17	16	2,3-03	300	1.1
GOVERNMENT ISLAND MIDDLE RANGE	15	15	16	2-03	300	1.6
FISHER QUARRY CHANNEL RANGE	27	24	22	2-03	300	1.0
GOVERNMENT ISLAND RANGE	19	27	26	2-03	300	1.1
GOVERNMENT ISLAND UPPER RANGE	16	18	20	2-03	300	0.8
LADY ISLAND RANGE	17	20	19	2-03	300	2.1
LADY ISLAND CHANNEL AND UPPER RANGE	27	27	21	2-03	300	0.9
WASHOUGAL LOWER RANGE	23	26	29	2-03	300	1.5
WASHOUGAL UPPER RANGE	21	23	29	2-03	300	1.1
GARY ISLAND RANGE	15	16	16	2-03	300	0.9
REED ISLAND RANGE	17	17	14	3-01,2-03	300	2.2
TUNNEL POINT CHANNEL	23	22	24	3-01	300	0.8
ROOSTER ROCK CHANNEL	23	21	21	3-01	300	1.2
CAPE HORN CHANNEL	29	29	28	3-01	300	2.4
CANDIANA CHANNEL	31	27	26	3-01,10-02	300	1.0
FASHION REEF LOWER RANGE	14	19	19	10-02	300	2.2
MULTNOMAH FALLS BAR RANGE	12	23	26	10-02	300	1.3
MULTNOMAH FALLS TURN	12	17	21	3-01,10-02	300	0.8
MULTNOMAH FALLS UPPER RANGE	19	20	26	3-01	300	3.2
MCGOWANS CHANNEL	38	29	26	3-01	300	1.1
WARRENDALE LOWER RANGE	22	22	19	3-01	300	0.9
WARRENDALE UPPER RANGE	25	27	19	3-01	300	0.8
HAMILTON ISLAND REACH	28	28	25	3-01	300	0.9
ENTRANCE TO BONNEVILLE LOCKS	24	32	26	3-01	300	0.6

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

Chart 18584

NM 48/03

UMPQUA RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2002 AND SURVEYS TO JUN 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 (AUT. MILES) DEPTH (FEET)
ENTRANCE CHANNEL TO LT. 21	18	18	18	3, 4, 6-02; 8, 9, 10-02 6-03	200	7.0
LT. 21 TO REEDSPORT	17	19	17	5-02; 9, 10-02	200	2.7
REEDSPORT TURNING BASIN	25	24	24	5-02; 10-02	600	0.2
LT. 21 TO GARDINER	12	13	11	10-01	200	1.15
GARDINER TURNING BASIN	5	2	2	10-01	500	0.2

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

Chart 18651

NM 48/03

REDWOOD CITY HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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 (AUT. MILES) DEPTH (FEET)
CHANNEL ENTRANCE (37°33'10"N, 122°11'43"W.)						
TO LIGHT 8	28.3	28.0	28.0	3-01; 7-03	700-300	1.07
LIGHT 8 TO LIGHT 14	27.0	28.0	26.7	3-01; 7-03	300-350	.90
LIGHT 14 TO LIGHT 15	26.4	26.8	27.1	3-01	300	.28

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

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Chart 18652 (Page E)

NM 48/03

SUISUN BAY AND SAN JOAQUIN RIVER						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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 (FEET)
SUISUN PT. REACH	44.3	45.5	47.2	2-03	300	0.8 35
BULLS HEAD CHANNEL	36.4	35.7	34.5	2-03	300-350	1.2 35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7	2-03	350	1.1 35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2	2-03	350	1.1 35
PRESTON PT. REACH	35.5	35.7	24.4	2-03	350	0.9 35
ROE ISLAND CHANNEL	33.2	35.8	33.0	2-03	350	1.1 35
PORT CHICAGO REACH	38.0	38.0	38.1	2-03	350	0.52 35
MIDDLE GROUND CHANNEL						
WEST REACH	37.4	37.7	36.4	2-03	350	1.29 35
EAST REACH	36.4	38.2	36.8	2-03	350	1.09 35
NEW YORK SLOUGH						
WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3 35
EAST REACH	35.0	35.0	35.0	7-03	400	1.7 35
SAN JOAQUIN RIVER						
ANTIOCH REACH	32.2	32.6	31.3	4-03	400	3.3 35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 18654

NM 48/03

PINOLE SHOAL CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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 (FEET)
CHANNEL ENTRANCE (38°01'33"N, 122°22'47"W) TO LT. 11 THENCE TO 38°03'31"N, 122°17'08"W	30.9	35.4	34.1	7-03	600	2.8 35
	32.7	35.1	35.0	5-02; 7-03	600	2.2 35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 18656

NM 48/03

SUISUN BAY						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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 (FEET)
SUISUN PT. REACH	44.3	45.5	47.2	2-03	300	0.8 35
BULLS HEAD CHANNEL	36.4	35.7	34.5	2-03	300-350	1.2 35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7	2-03	350	1.1 35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2	2-03	350	1.1 35
PRESTON PT. REACH	35.5	35.7	24.4	2-03	350	0.9 35
ROE ISLAND CHANNEL	33.2	35.8	33.0	2-03	350	1.1 35
PORT CHICAGO REACH	38.0	38.0	38.1	2-03	350	0.52 35
MIDDLE GROUND CHANNEL						
WEST REACH	37.4	37.7	36.4	2-03	350	1.29 35
EAST REACH	36.4	38.2	36.8	2-03	350	1.09 35
NEW YORK SLOUGH						
WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3 35
EAST REACH	35.0	35.0	35.0	7-03	400	1.7 35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

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NM 48/03

Chart 18659

NM 48/03

SUISUN BAY						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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)
NEW YORK SLOUGH WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3 35
EAST REACH	35.0	35.0	35.0	7-03	400	1.7 35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 18666

NM 48/03

SUISUN BAY						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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)
MIDDLE GROUND CHANNEL WEST REACH	37.4	37.7	36.4	2-03	350	1.29 35
EAST REACH	36.4	38.2	36.8	2-03	350	1.09 35
NEW YORK SLOUGH WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3 35
EAST REACH	35.0	35.0	35.0	7-03	400	1.7 35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	45/02	11305	1	N36,N46/02;N1,N6,N7, N32/03	11367	32	38*,45,46/03	11479	4	N35,N50/02;N6,N23, N25,N31,N34,N40/03
20	3	18/03	11307	36	22,24,27,35/03	11368	22	38/02*,19,21,23,30,33, 34,35,45,46/03	11480	38	30/03*
22	1	18/03	11308	22	3*,7,10,23,25,32/03	11369	44	9*,18,19,21,27,43/03	11481	4	42*,49/02;6,12,13,19,28, 34/03
50	6	32*,34,40/03	11309	37	48/03*	11370	24	38/03*	11484	21	34/03
53	2	34/03	11310	1	N46/02;N22,N23,N32/03	11371	36	35*,48/03	11485	33	22/03*
70	4	7,34/03	11311	23	46/02;26/03	11372	30	2*,7,8,10,19,23,24,26,27, 31,34,44/03	11486	15	36/03*
71	4	7,34/03	11312	3	36,46/02;1,6,7,22,23, 32/03	11373	43	48/03*	11488	24	7,17/03
72	4	7/03	11313	22	22,27,36/03	11374	31	45*,49,50/02;1,2,7,8,9, 19,20,23,24,26,27,29,34, 36,38/03	11489	34	8*,12,20,22,31/03
73	4	34/03	11314	22	17*,21,22,32/03	11375	35	1*,2,5,7,9,20,23,24,27, 29,47/03	11491	33	34,37,38/02;12,30,34/03
101	3	48/02	11315	31	48/03*	11376	49	48/03*	11493	9	N39/02;N12,N20,N22, N31/03
103	5	16/03	11316	39	17*,22,26,29,34/03	11377	5	38*,44/03	11494	8	N39/02;N22/03
108	9	35/02;34,39/03	11317	29	37,40,49/02;16,19,20,21, 23,26,29,30,34/03	11378	32	11*,12,18,20,21,22,24, 26,30,38/03	11496	9	N35/02;N1,N17,N19, N34/03
120	6	39/03	11318	1	N46/02;N6,N24,N25, N44/03	11382	39	46/02*,9,25,26,37/03	11502	28	14,17,20,22/03
124	10	18,34,39/03	11319	31	17*,19,20,25,26,29,30, 34/03	11383	49	9,18,26,30,37/03	11503	39	38*,39,43/02;12,14,17, 20,22,31/03
125	7	21/03	11320	1	N22,N23,N24/03	11384	33	30/03*	11504	15	12,22/03
126	39	21/03	11321	29	39,40,41,45/02;23,31, 34/03	11388	16	24,34/03	11505	1	34,40,49/02;1,4,5,11,22, 34,43/03
145	16	39/03	11322	28	19*,20,23,30,34,35,42, 47/03	11389	32	33,37/02;2,7,32,42/03	11506	40	10*,19,22,28,34,43/03
200	3	37/03	11323	60	47/03*	11390	22	33,34,37/02;7,21,30, 32/03	11507	31	9*,12,20/03
301	1	14,21,24/03	11324	33	47/03*	11391	22	33,34/02;7,21,32/03	11508	21	10/03*
302	1	2/03	11325	25	26*,38,42,47/03	11392	6	34/02;21,32/03	11509	27	1,11,24/03
310	20	2,14,21,24/03	11326	31	7*,9,16,20,21,22,23,24, 30,31,33,35,38,45,46/03	11393	20	30,35,42/03	11510	18	34/02
400	3	33,35,45/02;29,33,34/03	11327	31	19*,20,23,30,34,35,42, 47/03	11400	34	39/02;4,9,11,12,13/03	11511	16	11/03
401	5	33,35,45/02;14,29,33,34, 44/03	11328	23	43/03*	11401	29	27/03	11512	59	10*,11,15,20,22,24,34, 43/03
411	49	19*,22,23,24,25,26,29, 30,31,33,44/03	11329	35	48/03*	11402	21	30*,34/03	11513	23	49/02;1,24/03
500	8	32*,34,41/03	11330	14	2*,4,6,7,8,17,19,20,21, 22,23,27,30,31,34,35,36, 38,45,46/03	11404	21	50/02;9,19,27/03	11514	26	37*,40,49/02;4,5,15,22, 24,34,43/03
501	12	9*,10,18,21,22,24,40, 41/03	11331	18	8,19,23,30,34/03	11405	29	38/03*	11516	30	43/03*
502	2	52/02;40,44/03	11332	28	42*,43,49,51/02;6,17,19, 20,23,25,31,34,35,37, 47/03	11406	11	9/03	11517	17	24/03
507	2	45/02	11333	18	8,19,23,30,34/03	11408	28	3/03*	11518	33	14*,19,28/03
508	2	45/02	11334	28	42*,43,49,51/02;6,17,19, 20,23,25,31,34,35,37, 47/03	11411	14	43*,45/02;7,20/03	11519	12	28/03*
510	3	40/03	11335	14	2*,4,6,7,8,17,19,20,21, 22,23,27,30,31,34,35,36, 38,45,46/03	11412	41	42*,45/02;1,6,7,11,12,13, 14,20/03	11520	41	38*,39/03
513	6	38/02;34/03	11336	1	N35/03	11415	5	42*,45/02;1,2,7,14,20/03	11521	26	35/02;9,19,24,28,34, 39/03
520	127	38/02;34,40,41/03	11340	68	37*,38,45,46/03	11416	5	42,48/02;1,2,6,11,12,14, 20/03	11522	19	39/03
521	11	34/03	11341	39	14*,17,21,22,23,25,31, 34,37,38,47/03	11420	27	20*,21,22,25/03	11523	21	35,52/02;5,9,19,24,28, 34/03
523	8	34/03	11342	52	27*,29,31,34,35,42,46, 47/03	11423	7	N39,N42/02;N4,N8,N15, N21,N22,N25/03	11524	46	8*,11,12,13,15,17,19,20, 22,28,34,43/03
524	12	47/02;34/03	11343	37	48/03*	11424	18	14,25/03	11525	6	N39,N40,N44,N46, N51/02;N4,N6,N8,N24, N39/03
525	3	40/03	11344	35	9*,19,22,23,26,27,29,31, 34,38,43,46,47/03	11425	34	46*,49/02;4,25/03	11526	10	20/03*
526	10	47/02;6/03	11345	31	9*,38/03	11427	33	2/03*	11527	16	37/02;20/03
530	30	37,38,40,52/02;6,10,18, 21,22,24,34,40,41,44/03	11347	33	42*,43,47,49/02;4,6,7,8, 19,20,21,23,25,26,27,29, 31,32,43,47,48/03	11428	32	52/02*,6/03	11531	21	11,39/03
531	21	47,52/02;21,24,32,34, 41/03	11348	20	43*,47/03	11429	21	47/02*	11532	20	37/02;39,43/03
532	17	38/02;34/03	11349	40	38*,42,51/02;23,26,27, 31,36/03	11430	25	41/03*	11534	32	17*,36,45/03
540	16	51/02;16,30/03	11350	25	43/03*	11431	11	7,8,21/03	11535	12	46/02;39/03
541	2	6/03	11351	38	20*,22,23,25,27,30,31, 34,48/03	11432	25	6,7,15,22/03	11536	16	38/03*
550	7	45/02;6/03	11352	36	3*,7,8,9,20,22,24,26,31, 34,48/03	11433	39	36/02;6,7,15,20/03	11537	34	21*,23,26,35,36,43,45, 47/03
600	5	45/03	11353	2	35,38,43,45,49/02;4,5,7, 18,20,21,26,27,31,34,43, 45/03	11434	38	38/03*	11539	18	39,44,51/02;6/03
601	4	6,8,27,38/03	11354	24	26*,31,34,48/03	11435	11	7,8,21/03	11541	33	8*,9,14,22,35,39/03
602	6	47/02;6,38/03	11355	25	38/03*	11436	25	6,7,15,22/03	11542	15	39/02
603	6	47/02;10/03	11356	35	38/03*	11437	39	36/02;6,7,15,20/03	11543	22	39/02;8,38/03
604	5	38/03	11357	36	38/03*	11438	11	7,8,21/03	11544	37	36/02*;8/03
605	4	6/03	11358	52	41/03*	11439	25	6,7,15,22/03	11545	60	45*,47/02;6,8,14,22,23, 24,35,38,39,43/03
606	1	17/03	11359	11	39/02	11440	35	20*,22,25/03	11547	35	37,47/02;6,8,14,22,23,35, 38,39,43/03
607	1	17,45/03	11360	40	1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37, 38/03	11441	16	7/03	11548	38	47/02*
622	9	47/02;6/03	11361	70	21*,23,24,25,26,30,31, 35/03	11442	36	38/02*,22,25/03	11550	28	17/03*
623	9	47/02;19,36/03	11362	4	N33,N36,N39,N40, N47/02;N2,N5,N6,N8, N19,N23,N24,N25,N26, N27,N29,N30,N34,N35, N37,N38/03	11443	36	30*,31,40/03	11553	28	8/03*
632	8	45/02	11363	39	47/03*	11444	37	47*,50/02;4,12,21,23, 40/03	11555	38	36/02*;7,24/03
702	5	7/03	11364	39	3*,4,5,8,9,18,19,21,23, 25,26,27,30,33,34,35, 43/03	11445	36	52/02*,22,40/03	12200	47	38*,42,52/02;7,12,18/03
703	4	46/02;7,44/03	11365	17	52/02*,9,32,34/03	11446	36	22,25/03	12201	25	N42,N52/02;N7,N12, N18,N24,N32/03
705	3	46,52/02	11366	7	48*,51/02;5,6,7,8,19,21, 23,24,25,26,27,29,30,34,35, 37/03	11447	36	10*,12,40/03	12204	35	10*,33/03
706	4	44/03				11448	14	7/03	12205	28	43/03*
707	2	34,44/03				11449	16	7/03	12206	29	33,38,46/02;10,28,33/03
708	3	34,36/03				11450	8	15,22,25,39/03	12207	20	50,52/02;18/03
709	2	50/02;19,25/03				11451	31	20*,22,25/03	12208	9	23*,28,41/03
1113A		20*,21,22,25/03				11452	16	7/03	12209	41	10/03*
1114A		39/02;4,9,11,12,13/03				11453	36	36/02;6,13,15,21,23, 25,31,34,39,40/03	12210	36	8*,33/03
1115A		1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37, 38/03				11454	38	47/02*;7,24/03	12211	44	14*,19/03
1116A		37*,38,45,46/03				11455	36	22,25/03	12212	27	47/02*;19/03
1117A		28*,30,31,32,34,35,36, 44,45/03				11456	17	24/03*	12213	75	48/03*
5161	13	48/03*				11457	36	34,35,39/03	12214	44	14*,19/03
11004	7	37,39,40,42,43,45,47, 51/02;5,6,7,8,9,14,18,21, 22,23,24,25,26,27,29,30,				11458	31	8*,25,40/03	12215	75	48/03*
11006	31	47/03*				11459	10	6,17/03	12216	27	47/02*;19/03
11009	36	35,44,51/02;6,12,19, 39/03				11460	16	51/02;13/03	12217	75	48/03*
11013	45	38*,40/03				11461	5	35,50/02;7,9,12,21,23,31, 37/03	12218	44	26*,28,33,34,41/03
11300	39	28*,30,31,32,34,35,36, 44,45/03				11462	24	22,25/03	12219	23	8*,33,45/03
11301	23	37/02;16,24,32/03				11463	17	24/03*	12220	23	

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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.
12228	29	43/02*	12378	14	2,13,23/03	13323	7	5/03	14221	26	40,46/02
12230	60	30*,34,42,48/03	12401	7	47/02;2,13,33,41/03	13324	13	41,52/02;2/03	14222	16	40/03**
12231	26	35,46/02;7,30/03	12402	8	33,47/02;13,34,41/03	13325	14	2,29/03	14223	18	38/03**
12233	35	3*,4,5,6,14,34,45/03	13000		N48,N49/02;N21,N26, N29/03	13326	12	41,43/02	14224		N39/03*
12235	29	47/02;4,6,7,17,33/03				13392	2	6/03	14225	17	39/03**
12237	27	48/03*	13003	47	36*,39,44,45,48/03	13394	3	39/02*;9,21,42/03	14226	32	39/03**
12238	37	46/02*;1,4,7,19,25,34/03	13006	31	36*,39,44,45,48/03	13396	4	9,19,21/03	14227	28	39/03**
12241	21	34,44/02;7,34/03	13009	30	42*,48,49/02;1,9,18,23, 36,39,44,45,48/03	13398	3	36/02	14228	11	39/03**
12245	62	30*,33,34/03				14002	57	32,34,36,37,42/03	14229		N39/03*
12248	40	44/03*	13200	33	37,48/02;7,9,18,36,39,44, 45,48/03	14003	6	48,49/02;5,9,12,29,39, 48/03	14240	6	43/03**
12251	23	35/02;4,6,7,15,26/03	13201	10	N37,N48/02;N9,N18, N36,N39,N44,N45, N48/03	14007		N38/03*	14241	23	39/03**
12252	23	33,34/02;4,7,10,15,17,30, 35,45/03	13203	12	37/02;48/03	14008	76	38/03**	14242	13	40/03**
12253	43	35*/03*	13204	12	44/03	14010	5	35/02;26,32/03	14243	8	39/03**
12254	43	38*,43,44/02;30,34/03	13205	36	37,42,45,48/02;1,5,23/03	14024	5	33,36,39/02;12,22,36, 47/03	14244	5	39/03**
12255	15	44/02;30,34/03				14040	65	40/02;34/03	14245	4	39/03**
12256	14	48/03*	13209	23	37/02;23/03	14041	12	34,36,42/03	14246	6	39/03**
12261	28	37*,44/02;7,18,22,48/03	13211	13	47/02;45/03	14042	3	34,42/03	14247		N39/03*
12263	52	35*,42,44/03	13212	35	9*,13,36/03	14043	7	21,26/03	14248		N40/03*
12264	28	38/02*;7,74,44,48/03	13213	40	14*,25,36/03	14044	44	6,47/03	14249		N39/03*
12266	27	20,30/03	13214	27	34*,45,48/02;5/03	14046	2	47/03	14250		N40/03*
12270	32	9*,18,24,25,33,42/03	13215	17	45,48/02;1,5/03	14061	27	6,9/03	14251		N40/03*
12272	29	36,45/02;13,16,30,33, 38/03	13216	1	N48/02	14062	17	32,36/03	14252		N40/03*
12273	54	47/03*	13218	38	42,45,51/02;5,46/03	14066	19	6,34,42,47/03	14253		N40/03*
12274	33	37*,50/02;5,15,17,30, 33/03	13221	53	44,51/02;2,5,7,27,46/03	14067	11	6/03	14254		N40/03*
12277	32	35/03*	13223	36	52/02;2,46/03	14081	21	36,47/03	14255		N40/03*
12278	72	36,45/02;19,25,30,33, 38/03	13224	36	44/02;5,27/03	14083	30	33/02	14256		N40/03*
12280	3	37*,43,45,46,47,50, 52/02;1,6,7,18,28,33,38, 44,45/03	13226	5	44/02;6,7/03	14087	58	33/02	14257		N40/03*
12281	49	12,19,25,38,44,48/03	13227	13	7/03	14088	10	41/02*;34/03	14258	3	40/03**
12282	34	43/03*	13228	11	51,52/02	14089	29	41/02*;34/03	14259	2	40/03**
12283	24	8,18,25/03	13229	27	39,42,45,52/02;1,7,19, 48/03	14090	2	33/02	14260	47	39/03**
12284	15	7,42,48/03				14091	6	41/02*	14261	15	40/03**
12285	35	11*,14,19,22,34,36,45/03	13230	46	2*,7,19/03	14105	19	47/03	14262		30/03
12286	29	2*,4,6,42/03	13232	4	39,42/02	14110	42	32,44/03	14263		30/03
12289	48	10*,19,22/03	13233	16	10,39/03	14111	7	14,32,44,42,44/03	14264	4	40/03**
12300	43	19*,39,44,48/03	13235	5	48/03	14112	5	32,42,44/03	14265		30/03
12301	21	N37,N39,N42,N45/02; N5,N17,N39,N44, N48/03	13236	29	45/02;1,7,19/03	14115	2	47/03	14266		30/03
12304	43	21*,26,48/03	13237	39	36*,39,42,45/03	14143		N38/03*	14267		30/03
12311	42	38*,48/03	13244	39	48/02;7,32/03	14144	29	38/03**	14268		30/03
12312	52	10*,15,24,32/03	13246	37	36*,42/03	14145	2	47/03	14269		30/03
12313	49	35*,43/03	13249	12	22/03*	14146	2	32/03	14270		30/03
12314	30	46*,50/02;5,25,33,35/03	13251	18	3*,8/03	14151	2	37/02;32,34,38/03	14271		30/03
12316	29	2*,6,32/03	13253	39	37*,39/03	14168		N37/03	14272		30/03
12317	31	37,50/02	13256	7	N36,N43,N48,N49/02; N1,N7,N9,N18,NP21, N23,N26,N29,N36,N39, N42,N45/03	14169	2	32,38,42/03	14273	2	34/03
12318	41	9*,32,44/03	13264	103	36,49/02;9,P21,26,29,39, 42/03	14174		N42/03*	14274		34/03
12323	23	40/02;4/03	13267	31	47/03*	14175		N43/03*	14275		34/03
12324	30	2*,8/03	13270	59	33,34,40,43/02;1,2,7, 12/03	14176		N38/03*	14276		34/03
12326	49	35/03*	13272	47	40/02;8,25,35/03	14177		N40/03*	14277		34/03
12327	97	48/03*	13274	25	43/03*	14183	15	38/03**	14278		34/03
12331	30	8*,13,14,18,33/03	13275	28	45/03*	14184		N32, N44, N47/03	14279		34/03
12332	21	43,46/02;13,18/03	13276	22	36/03*	14185	2	40/03**	14280		34/03
12333	33	44/03*	13278	25	19,32,39/03	14186	2	40/03**	14281		34/03
12334	66	30*,34,36/03	13279	30	20*,32,39/03	14188	1	42/03	14282		34/03
12335	40	47/03*	13282	11	21*,39/03	14189	2	36,42,44/03	14283		34/03
12337	22	45/02;13,18/03	13283	18	1,9/03	14190	2	37,42/03	14284		34/03
12338	9	21/03*	13285	10	20/03	14191		N38/03*	14285		34/03
12339	43	23/03	13286	29	39*,40,50/02;1,9/03	14192		N38/03*	14286		34/03
12341	26	36/03*	13288	40	36,43,50,51/02;29,42,44, 45/03	14193		N38/03*	14287		34/03
12343	18	37/02*;7,21,27/03	13290	35	39*,42,44/03	14195		N42/03*	14288		34/03
12345	10	42/02*;21/03	13292	36	27,29,35/03	14196		N38/03*	14289		34/03
12347	29	27,29,35/03	13294	22	36/40/02;7,16,29,42, 44/03	14197		N38/03*	14290		34/03
12348	33	27,29,34/03	13295	33	43,51/02;14,27/03	14198		N43/03*	14291		34/03
12350	57	39*,49/02;29/03	13297	11	2*,14/03	14200	2	38/03**	14292		34/03
12352	30	46/03*	13298	25	43/02;27/03	14201	15	38/03**	14293		34/03
12353	17	39/03	13301	10	43,52/02	14202	12	42/03**	14294		34/03
12354	40	38/03*	13302	21	41/02;2,7,9,32,42,45/03	14204	21	38/03**	14295		34/03
12358	19	46*,49/02;1,7,10/03	13303	12	48/02*;7,9/03	14205	7	38/03**	14296		34/03
12362	16	49/02	13305	28	40,41,49/02;2,7,9,36, 44/03	14206	20	43/03**	14297		34/03
12363	39	44/02;6,23,27,32,36/03	13307	10	23,28,44/03	14208	28	38/03**	14298		34/03
12364	34	20*,23,25,27,32,36,39/03	13309	28	42/02*;9,32/03	14209		N38/03*	14299		34/03
12365	26	6,23/03	13310	21	10/03*	14211		N40/03*	14300		34/03
12366	27	51/02;20,27/03	13311	19	41,49,52/02;6,9,36/03	14212		N38/03*	14301		34/03
12368	26	42/02*;24,25/03	13315	11	49/02	14213		N39/03*	14302		34/03
12369	25	44/02;32,35,36,43/03	13316	22	28/03*	14214		N39/03*	14303		34/03
12370	18	39/02*	13317	19	41,49,52/02;6,9,36/03	14215		N39/03*	14304		34/03
12371	23	41,27/03*	13318	18	38*,41,52/02;5,6,21/03	14216		N39*,N44/03	14305		34/03
12372	31	45*,47,48/02;2,5,6,23,25, 36,45/03	13319	11	49/02	14217		N43/03*	14306		34/03
12373	14	2/03	13316	22	28/03*	14218		N39/03*	14307		34/03
12377	14	37/02	13318	18	38*,41,52/02;5,6,21/03	14219		N40/03*	14308		34/03
12367	26	6,23/03	13321	9	20/03*	14220		N39/03*	14309		34/03

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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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.
14873	2	35/02	16480	10	38/02;34/03	17434	11	5,36,43/03	18427	21	35/02*,7,19,45/03
14880	30	33/02;4/03	16500	9	9,33/03	17435	16	40/03	18429	9	3*,22/03
14881	31	33/02	16520	21	2,31,33/03	17436	6	20/03	18430	7	6,7,22/03
14885	20	51/02	16528	16	9,33/03	17437	8	21/03	18431	6	2/03*
14886	11	41/03*	16529	14	50/02;9,33/03	17438	12	50/02;10,14,15,21,36/03	18432	5	14/03*
14901	14	52/02*,5/03	16530	6	50/02;33/03	17441	7	10,15/03	18433	5	2*,22,32,36/03
14902	28	4/03	16535	12	2,21,31/03	17443	12	10/03	18434	4	P44,48/02;6,9/03
14903	23	31/03*	16549	15	41/03*	17445	2	10,14,36/03	18440	26	3*,15,18,22,28,30,32,34,
14904	26	40/03*	16553	3	17/03	17446		N10/03			38,45,47/03
14905	30	45/03*	16556	4	8/03*	17460		N5,N36/03	18441	43	39*,45,47/03
14906	23	5/03	16561	1	29,35,44/03	17465	4	6,12/03	18443	15	39/02;6,34/03
14910	23	17/03*	16566	10	29,44/03	17470		N23,N41/03	18444	15	39/02;34/03
14911	20	4/03	16568	12	39/02*	17471		N6,N47/03*	18445	29	33,39/02;6,7,9,10,15,18,
14912	17	31/03*	16575	1	39/02	17472	4	5,14,36,41/03			22,25,28,34,36,38,42,45,
14913	18	31/03*	16576	4	47/03*	17480	4	43/02;5,10,36/03			47/03
14915	25	28/03*	16580	11	39/02	17482		N7,N14,N41/03	18446	16	47/03*
14916	10	45/02*,17/03	16590	10	38/02*	17483		N41/03	18447	26	52/02;6,7,10,18,47/03
14917	23	3/03	16592	9	16/03	17484	3	41/03	18448	32	33/02;10,15,22,34,36,
14918	26	17/03	16593	11	14/03*	17485	4	41/03			45/03
14922	19	51/02;9/03	16594	13	2/03	17489	19	43/02	18449	17	7,34,44/03
14924	27	5/03	16595	4	2/03	17495	2	43/02	18450	17	9*,44/03
14926	10	32*,47/03	16596	12	39/02*	17503	4	43/02	18452	16	34,38/03
14927	24	35,37/02;47/03	16597	8	43/02	17513		N42,N43/02;N15/03	18453	24	14*,25,36,38,42/03
14928	21	4/03*	16598	9	43/02	17515	7	6,15,16,36,43/03	18455	2	N39/02;N15,N34,N38/03
14929	24	14/03*	16599	6	43/02	17517	8	6,15,16,34/03	18458	15	19*,28,34,38/03
14930	24	45/02	16603	8	48/03*	17518	7	P44,48/02;16,18,20,41,	18459	5	N39/02;N9,N15,N28,
14931	24	35/02*	16606	11	37/02*,21/03			47/03			N34,N38/03
14932	23	26/03*	16608	4	46/03*	17519	13	16/03	18460	11	2*,6,7,43/03
14933	24	35*,37/02	16640	24	21/03	17520	2	N6,N16,N34/03	18464	23	24*,30/03
14934	27	17*,26/03	16646	12	8/03	17521		N15/03	18465	35	2*,15,30/03
14937	24	52/02*,2,17/03	16660	28	42/02;6,16,47/03	17522		N15/03	18468	17	7/03
14942	25	35/02	16663	6	42/02;6,16,47/03	17523		N15/03	18471	9	36/03*
14961	11	47/03	16665	7	42/02;6,16,47/03	17524		N12,N15/03	18473	7	4*,18,19,34,38,45,47/03
14963	20	51/02	16680	10	6,32,37/03	17525		N15,N43/03	18474	7	45/02*,7,10,15,22,25,34,
14965	21	11/03*	16681	10	37/02*	17526		N15/03			36,38/45/03
14966	25	14*,21/03	16682	15	8*,17,19,37/03	17528		N43/02;N6,N12/03	18475	1	35/03
14967	22	5/03	16683	9	3,6,17,32,37/03	17541	3	43/02	18476	4	39/02;7,9,28,34,38/03
14970	25	40,46,51/02	16700	28	40*,43/03	17542	6	47/02	18477	5	7/03
14973	27	15/03*	16701	19	37/03*	17543	17	41/02;43/03	18480	29	2*,6,7,43/03
14975	33	52/02*,43/03	16702	11	37/03*	17545	13	43,47/02;43/03	18484	10	40/02;15,29/03
14983	9	46/03*	16705	19	49/02;16,43/03	17546	22	42,43,47/02;24,34,35,	18485	15	2*,10,29/03
14985	9	41/03*	16707	10	34,37/02;16,20/03			43/03	18500	28	39/02;12,22,28/03
14986	9	46/03*	16708	25	37,49/02;16,20/03	17548	28	16,43/03	18502	84	39,42,49/02;9,21,28,29,
14988	10	41/03*	16709	22	49/02	17549	6	47/02;15/03			42,47/03
14995	11	52/02*	16712	1	16/03	17550	4	42,43,P44,45,47,48,	18504	65	19*,35/03
15043	3	34,44/03	16713	2	49/02			52/02;43/03	18520	24	33,39/02;22/03
15044	3	34,44/03	16741	9	46/02	18000	8	45/02;6,10,21,36,44/03	18521	69	34*,39,49/02;4,10,12,21,
15046	4	47/03	16760	10	51/02;28/03			N36,N44/03			22,24,29/03
15066	5	32,47/03	16761	16	28/03	18002	6	N45/02;N2,N6,N10,N21,	18523	53	33/02;4,12/03
15067	2	47/03	17003	4	47,52/02;24,35,36/03	18003	19	22*,41,43/03	18524	33	33/02;4,6,10,24,29,47/03
15069	4	47/03	17005	10	41,45,47,52/02;24,34,35,	18005	4	N34/02;N6,N10,N13,	18525	33	33/02;4,9,29/03
15080	1	47/03			43/03	18006	3	N21,N26,N40/03	18526	55	33/02;4,18,29/03
15313	1	15/03	17008	12	43/02;36/03	18007	31	33,34,37,38,39,40,47,	18527	21	48/03
15562			17300	30	52/02*,21,39/03			52/02;18,22,24,26,35,	18528	10	52/02*,18/03
15569			17302	18	51/02			41/03	18529	10	52/02*
15570			17303	9	37/02	18008	7	N33,N34,N37,N38,N39,	18531	20	34/02;9,10,48/03
15585			17313	23	2*,16,21,25/03			N40,N47,N52/02;N18,	18532	20	10/03
15690			17316	20	3,25/03			N22,N24,N26,N35,N37,	18548	5	8/03*
15880			17318	5	39/03			N41/03	18558	37	39/02;48/03
15946			17320	15	13,29,34,39/03			18561	11	33,39/02;10/03	
15954			17323	10	13,22,29,39/03	18400	2	N34/02;N6,N13,N26,	18580	21	33,38,39/02
16003	16	13,36,48/03	17324	13	39/03			N40/03	18581	17	49/02*,4,36/03
16004	11	13,17,48/03	17325	7	29/03	18010	20	33,34,37,38,39,40/02;6,	18583	38	33,42,49/02;12,43/03
16005	9	36,48/03	17327	21	46/03*			13,26,33,40,47/03	18584	47	39,49/02;4,6,30,48/03
16006	33	6,32,35,36/03	17360	33	31*,36/03	18020	37	47/03*	18587	68	33,39,42/02;4,6,9,10,21,
16011	35	38/02;8,29,31,32,35,	17372	11	48/03*			25,33,35,36,40,43/03			27,36/03
			17382	15	20*,36/03	18400	44	41*,43,47/03	18588	37	22*,36/03
16012	21	38/02;34/03	17383	1	49/02;8/03	18401	12	34/03	18589	15	44/03
16013	28	52/02;21,29,32,34,35,41,	17384	7	44/02	18403	21	6,20/03	18600	14	33,37,38,40/02;44,44,47/03
			17385	14	14/03*	18405	12	43/02;16/03	18601	13	10/03
16016	19	34/03	17400	16	36/02;10,12,44/03	18406	5	16/03	18602	12	26*,47/03
16041	8	48/03	17401	10	1,36/03	18409	8	41/03	18603	16	9*,10/03
16042	7	39/02*	17402	10	46/02*	18413	15	20,22/03	18620	23	35/02*
16061	8	37,49/02;13,17/03	17405	14	12,25,46/03	18414	9	20/03	18622	52	49/02;21,25,27,35/03
16200	13	36/03	17406	6	25/03	18415	8	42/02;7,22,32,39,47/03	18623	11	34/02
16206	7	46/03	17409	10	39/02*,44/03	18416	6	P44,48/02;22,46/03	18626	15	37/02;10/03
16220	5	36/03	17413	2	43,50/02;10,44/03	18418	6	15/03	18640	24	26,38,42/03
16300	8	52/02;3,8/03	17414	3	41/02	18419	11	47/02;12,46/03	18643	17	26*,33,41,43/03
16305	9	8/03	17416	3	10,14/03	18420	1	22,47/03	18645	24	50/02;33,38/03
16322	7	8,46/03	17420	26	36,37,42,43,50/02;1,10,	18421	45	2*,18,20,22,32,36,37,39,	18647	15	2/03*
16363	12	38/02*			12,14,20,36/03			45,47/03	18649	63	48/03*
16381	8	8,25/03	17422	8	52/02*				18650	52	47/03*
16420	10	46/03*	17426	13	37/02;1,16,20/03	18423	33	1*,5,7,9,15,18,30,32,34,	18651	42	15*,48/03
16423	2	47/03	17427	7	21,36/03			36,38,41,43,45,47/03	18652	32	36*,40,43,46,48/03
16440	13	37/02	17428	7	5,36,43/03	18424	25	7,45/03	18653	9	36,38,41/02;4,6,21,43/03
16441	7	37/02	17429	2	N38/02*				18654	42	38,44/02;12,16,35,46,
16442	7	41/03*	17430	10	5,36/03			48/03			

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SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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.
18655	58	49/02;12,16/03	19442	5	14*,26/03	22205	2	12,18/03	23122	8	33/02
18656	53	19*,21,33,40,43,48/03	19461	7	10/03*	22221	20	12,31,34/03	23124	3	N17,N20/03
18657	18	4,21,40/03	19483	6	11/03*	22222	1	4,12,31/03	23125	4	17/03
18658	29	4,21,33,40/03	21005	5	45/02;2/03	22225	2	12,18,40/03	23131	7	12,22/03
18659	14	49/02;7,16,21,43,48/03	21008	62	39,42,43,50/02;1,2,36/03	22233	29	13,18,25,37/03	23141	7	34/02;22,37/03
18660	2	29*,43/03	21011	5	2/03	22250	2	42/02;12,18/03	23142	10	8,37,47/03
18661	27	15*,16,43/03	21014	72	42,50,52/02;2,3,4/03	22251	11	12,28/03	23145	3	37/03
18662	20	7,43,44/03	21017	50	41,50/02;4,5,6,9/03	22259	4	20,24/03	23150	10	37,52/02
18663	5	14*,43/03	21020	42	41/02;5,6,7/03	22263	1	26,37/03	23151	3	12/03
18666	1	21,33,48/03	21021	3	45/02;13/03	22264	2	42/02;13,18,20,24,26,37, 41/03	23152	3	37/02;12/03
18680	30	6,13,33,35,38,40/03	21023	41	34/02;7,8,9/03	22275	3	42/02;12,18,26/03	23153	8	12,13/03
18685	32	36*,46/03	21033	46	1,16/03	22281	9	12,18/03	24004	36	41,42,46/03
18687	13	8/03*	21036	7	1,16/03	22282	17	12/03	24016	53	39/02
18700	22	40/03*	21120	27	47,50,51,52/02	22283	3	N12/03	24024	46	18,25/03
18703	25	40/03*	21121	18	47/02	22284	7	N10,N38/03	24028	6	48/02
18704	12	37/02	21122	5	47/02	22289	4	18,30/03	24050	11	34,38,49/02;20,31,32, 33/03
18720	31	35/02;4,6,10,12,25/03	21125	13	51,52/02;36/03	22293	15	18,26,37,38/03	24052	15	37,38/02;14,19,21,30,42, 44/03
18721	11	35/02;6,10,39/03	21126	1	50/02	22294	15	12/03	24053	16	19/03
18723	3	6/03	21140	1	45,50/02;12,27,36/03	22305	2	18,24,30,34/03	24055	6	37,49/02;14,19,21,42/03
18724	1	22*,25/03	21141	23	48/02	22311	19	8/03	24057	4	38,49/02;20,30,33,42/03
18725	27	32/03*	21160	1	45/02	22312	2	13,30/03	24058	2	37,38/02;19,22,28,29,30, 42,44/03
18740	40	46/03*	21161	19	43,48/02	22313	2	44/02;8,18,38,40/03	24060	2	34/02;17,32/03
18741	18	N45,N50/02;N12,N27, N38/03	21180	1	2,7/03	22314	1	44/02;40/03	24080	5	17/03
18744	30	37/02;35/03	21182	34	39/02	22322	11	33/03**	24091	6	6,21,46/03
18746	34	34/02;5,13,41/03	21200	1	2/03	22331	2	N10,N19,N24/03	24092	14	6/03
18749	38	40/02;5,6,16,21,26,28,31, 39,41/03	21301	13	3,12/03	22335	4	19/03	24100	5	46/03
18751	42	40/02;5,6,16,21,26,28,31, 39,46/03	21304	28	41,44/02	22341	9	43/02;11,21,29/03	24101	3	37,41/02
18754	17	39*,43/03	21441	27	34,44/02	22342	9	21,29/03	24102	3	37,41/02
18757	10	13,41/03	21478	3	9,16/03	22344	6	N23/03*	24110	3	35/03
18758	6	35/02*:16,33/03	21482	1	36,46/03	22345	11	42/02;24/03	24130	14	5/03
18760	6	N34,N35,N45,N50/02; N6,N25,N35,N36, N44/03	21510	1	9,16/03	22347	6	N23/03*	24133	6	31/03
18765	15	45,50/02;12,27,46/03	21520	1	29/03	22351	1	N43/02;N12,N35,N41/03	24140	18	41,42,46/03
18766	7	45,50/02;12,27,36/03	21521	14	29/03	22352	6	12,19,24,35/03	24141	4	5/03
18768	4	N45,N50/02;N12,N27, N36,N38/03	21525	19	38/03	22360	2	19/03	24142	43	5,6/03
18772	47	21*,48/03	21563	3	45/02	22361	2	N10,N30,N32,N33, N34/03	24150	27	41,47/03
18773	39	40*,41/03	21581	5	41/03	22370	2	15,19,26,30,33,34/03	24151	4	41/03
18774	10	35/02*:10,16/03	21584	2	41/03	22371	5	30,32,33/03	24152	2	41,47/03
19002	9	N37,N51/02;N16,N23, N29,N46/03	21601	4	31/03	22373	1	N50/02;N10,N30,N32/03	24153	6	39,47/03
19004	36	35,37,51/02;23,29,30, 46/03	21603	9	5,31,36/03	22375	1	N10,N13/03	24155	6	46/03
19007	16	51/02;16,23,29,30,46/03	21605	7	31/03	22379	1	N50/02;N10,N30,N32/03	24160	21	47/03
19008	4	16,23,29,46/03	21661	12	6/03	22381	1	N43/02	24161	11	42/02;7,28,32,39,40, 47/03
19009	4	16,23,29,46/03	22004	38	34,36,39,41,43,52/02;16, 29/03	22395	2	42/02;15,19,22,26,30/03	24162	9	42/02;6,7,28,32,39,40,42, 47/03
19010	17	45*,51/02;23,29/03	22012	31	34/02;6,29,32/03	22401	4	N23*,N30/03	24164	6	39,41,47/03
19013	16	51/02;29,30,46/03	22032	20	19,40/03	22403	1	N45/02	24170	14	5,6,35/03
19016	9	46/03	22036	28	47/02	22404	15	46/02	24171	19	5,6,37/03
19019	9	28/03*	22050	4	12,26/03	22406	1	N1/03	24172	4	5,6/03
19320	16	35,37,51/02;5,16,23/03	22052	6	46/02;25,34,43,47/03	22407	1	N4,N11,N18,N30/03	24180	15	8,40/03
19324	22	35/02;5,23/03	22084	4	42/02;35,37/03	22408	1	N10,N21/03	24202	6	31,35,46/03
19327	10	23,43/03	22090	2	43/02;4,17/03	22409	4	N45/02;N10,N17,N22/03	24210	14	42/03
19330	9	27/03	22100	3	12/03	22410	32	43,44,46/02;19,23,40/03	24220	14	39/03
19331	7	23,43/03	22101	19	43/02;37/03	22413	3	N45/02;N26,N37/03	24222	3	39/03
19339	1	N35,N49,N51/02;N5, N13,N30,N47/03	22102	19	17/03	22417	1	N10,N25/03	24223	33	39/03
19340	26	35,49,51/02;5,13,29,30, 36,47/03	22111	4	17/03	22418	2	36,44,46/02;19/03	24233	15	36,43/02
19347	17	29/03	22112	3	43/02;17,37/03	22420	2	4,11,15,19,30,40/03	24234	3	35/03
19348	7	29,43/03	22114	5	42,43/02;17,33,37/03	22421	4	N43,N44,N46/02;N11, N23,N25,N26,N27/03	24240	5	39/02;7,39,46/03
19353	12	27/03	22117	3	37/03	22423	3	N11,N25,N27/03	24250	5	39/02;7,39/03
19357	22	42*,49,51/02;5,13,30,36, 47/03	22120	3	34,36,39,41,43,52/02;29, 32/03	22424	2	N27/03	24251	23	34,43/02;6,39/03
19359	10	12,16,47/03	22121	9	34,36,44,52/02;29,32, 47/03	22425	2	44,46/02	24252	5	39,43/02;6,39/03
19360	1	N37,N51/02	22124	2	34,52/02;6,29,32/03	22429	6	19/03	24260	5	34/02
19361	7	30/03	22125	1	36/02	22433	3	39,47/02;11,14,35/03	24270	3	17,29/03
19362	12	49/02	22126	1	36/02	22434	2	35/03	24271	14	17,29/03
19366	36	49/02;5/03	22130	2	44/02;14,17,29,32,38/03	22436	2	39/02;10,14/03	24274	2	17,29/03
19367	37	49/02;10/03	22138	2	41,44,48/02;6/03	22440	1	19/03	24290	3	36,43/02
19369	5	49/02;10,36/03	22140	2	34,36,44/02;25,47/03	22441	31	44/02	24291	4	36/02
19379	1	N51/02;N5,N13,N30, N46/03	22142	2	39,41,43/02;25,40,47/03	22481	35	43,44/02;19/03	24293	6	36/02;37,42,46/03
19380	14	51/02;5,13,30,46/03	22143	4	26*,29/03	22482	16	44,50/02;23/03	24294	22	36/02;37,46/03
19381	8	49,51/02;26/03	22145	2	N41/02;N25/03	22492	3	34/03	24300	4	34,43/02;6,17/03
19382	15	26/03	22160	2	34,39,41,48,52/02;25/03	22521	3	12,17,34/03	24321	3	6/03
19383	17	49/02;5/03	22170	3	39/02;6/03	22523	3	12,17,34/03	24322	6	34/02;6,17/03
19387	9	N46/03	22172	8	48/02*;4,6,29/03	22529	3	12,17,35/03	24350	2	51/02;18/03
19388	2	N46/03	22173	36	48/02*;6,17,29/03	22531	2	12,17,35/03	24355	2	51/02;25,37/03
19401	8	10/03*	22180	2	34/02;32/03	22532	4	38/02	24360	1	25/03
19402	6	9/03*	22181	16	39,41/02;29/03	23010	4	38/02	24370	1	34/02;48/03
19421	7	8/03*	22182	6	34/02;14,29/03	23020	4	22/03	24375	2	34/02;38/03
19441	7	28/03*	22183	3	32/03	23030	6	38/02;21,22,37,42/03	24376	1	38/03
			22190	2	29/03	23121	7	17,20/03	24380	2	35/02;48/03
									24388	2	35/02
									24404	8	35,44,48/02
									24405	10	35,36,44,48/02
									24406	30	2/03
									24408	21	36,44,48/02

SECTION I

NM 48/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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.
24410	2	44/02	26068	11	18/03	35011	2	48/02;1,25/03	36181	18	36,40,50/02;4/03
24430	5	39/02;8,11,31/03	26081	8	46/02;16,42,43/03	35036	21	36/02;10,15,27,43/03	36182	6	36,40/02;27/03
24431	14	39/02;31/03	26100	4	31/03	35040	18	45/02;4,8,10,14,21/03	37000	22	47,48/02;14,23,43/03
24434	4	39/02	26122	30	22/03*	35041	8	35/02;4/03	37005	16	41,45,47/02;5,12,13,15, 23,28,29,30/03
24450	3	26,47/03	26125	3	41/03	35042	9	44/02;4,14/03	37010	23	41,45,47/02;10,12,13,15, 19,23,27,28,29,30,43/03
24453	5	26/03	26127	21	49/02;5/03	35044	9	38/02	37025	26	38,51/02;1,24,25,27,31, 33,34,36,38,41,43/03
24454	5	5,26/03	26128	50	49/02;5/03	35047	5	35/02	37032	2	1,6,25,31,38,42,43,45/03
24460	4	39,47/02;15,29,32,47/03	26129	11	41/03	35060	14	40,41/02;10,14/03	37033	2	47/02;33/03
24461	4	16,38,47/03	26142	10	33/02	35080	16	40/02	37034	2	8,14,33,41/03
24462	5	47/02;16,29/03	26210	2	36/02	35081	15	22,27/03	37041	15	50/02
24463	6	39/02;12,15,25,26,38/03	26218	2	31/03	35082	7	22,27/03	37042	5	41,45/02
24465	6	33,47/02;38/03	26219	5	31/03	35083	8	20/03	37043	17	43/02;43,46/03
24469	1	46,47/02;13/03	26229	11	31/03	35084	15	50/02	37044	16	45/02
24470	4	39,47/02	26230	12	31/03	35086	5	22/03	37045	11	45/02
24471	8	47/02	26240	7	9/03	35088	2	50/02	37046	18	43/02;43,46/03
24480	1	41,44,45,49/02;24,27,42, 48/03	26244	3	9/03	35099	3	41/02	37050	9	42,46/02;10,12,17/03
24482	2	49/02;31/03	26245	16	51/02;15/03	35100	14	40,45/02;5,30/03	37060	3	46,50/02;9,13,18,43, 46/03
24483	2	49/02	26259	2	51/02	35101	6	41/02	37061	15	36,38/02;5/03
24484	3	49/02;31/03	26261	27	8/03	35103	5	41/02	37063	21	36,50/02;43/03
24490	3	25,27/03	26262	3	8/03	35120	13	40,45,47/02;5,30/03	37075	3	5,18,43/03
24491	3	27/03	26282	6	22,23,34/03	35130	3	48,51/02;5/03	37080	3	33,34,38,40,42,44,45,46, 51/02;1,4,7,9,14,15,18, 20,21,22/03
24492	20	46/02	26290	1	21/03**	35135	1	5/03	37081	23	38,43,50/02
24501	3	27/03	26295	1	21*,22,34/03	35136	2	48,51/02	37082	9	44,50/02;11/03
24502	6	46/02;27,34,47/03	26300	7	21/03*	35141	11	34/02	37084	9	38,40,43/02
24504	7	41,45,46/02;42,48/03	26308	5	21*,22,23,34/03	35143	7	34/02	37085	8	38,40/02
24508	3	22/03*	26309	26	11/03	35144	3	11/03	37086	8	38,50/02;4/03
24509	2	45,50/02;15,25,34,42/03	26310	1	N48/03*	35150	3	48/02	37087	7	38,40/02
24510	2	41,45,46,50/02;42/03	26312	2	21/03	35155	3	25/03	37088	9	5/03
24511	2	24,42,48/03	26316	3	21/03	35163	7	44/02	37089	12	4,13/03
24512	3	44,46/02;24,25,38,42/03	26320	5	35/02;7,12,22,23,25,31, 40/03	35166	4	35/02	37090	8	45,51/02;1,7,9,14,16, 22/03
24513	18	46/02;38,42/03	26323	4	1/03	35167	3	35/02	37095	3	1,7,9,11,14,15,16,20,22, 32,39/03
24517	2	46,49/02;25,40,42/03	26327	2	N41/02**;N17/03	35200	7	48,51/02;5,25/03	37104	3	41/02
25001	7	15/03	27005	4	6,8,9,22,23,34/03	35236	2	38,50/02	37106	4	32/03
25017	5	15,25,31,34,39/03	27040	5	9/03	35246	2	38,43/02	37110	11	47/02;20,25,31,32,39/03
25018	9	15,25,31,34,39/03	27041	4	50/02	35247	4	50/02	37112	1	47/02
25400	1	35,48/02	27042	21	41,42/03	35255	3	50/02;14/03	37115	2	33,47/02;7,25,31,32, 39/03
25480	1	42,46/02	27060	2	22,23,34/03	35256	2	14/03	37119	2	43/02
25485	45	36/03	27080	4	15,22,39/03	35270	2	38,46/02	37120	2	39,42,49,51/02;4,6,21,23, 24,25,26,27,30,32,39,42, 43,44,45/03
25487	2	36/03	27081	6	49/02	35276	3	46/02	37121	11	25/03
25524	43	33/02;1,5,20,24,26,32/03	27082	6	49,51/02	35277	3	38,46/02	37122	12	48/02;19,31,44,45/03
25525	17	15,26/03	27083	39	28/03	35279	3	38/02	37123	9	49/02;6,20/03
25526	2	33/02;24,32/03	27084	4	13/03	35299	9	13/03	37125	15	42,49/02;6,9,20/03
25527	31	33/02;24,32/03	27100	2	8,21/03	35301	6	17/03	37126	8	41/02
25528	5	42/02	27102	11	28/03	35302	7	17/03	37127	11	49/02;4,6,20/03
25550	2	21/03	27120	4	41,43,44/02	35303	7	40/02;17/03	37129	6	39,42,49,51/02;4,6,21,23, 24,25,26,27,30,32,39,42, 43,44,45/03
25563	50	33/02;14,18,21/03	27142	5	9/03	35308	5	10/03	37131	11	25/03
25565	7	33/02	27160	2	8,13,35/03	35330	2	38,41/02	37132	12	48/02;19,31,44,45/03
25566	27	18,30/03	27161	4	8,13/03	35350	2	38,41/02	37133	4	44/02
25567	16	21/03	27163	21	49/02;8/03	35402	3	38/02	37134	5	38/02;45/03
25570	3	16/03	27183	8	1,9/03	36005	2	34,36,38,45,46/02;P12, 14,17,24,25,27,31,43, 44/03	37136	6	38,46,50,51/02;30/03
25575	4	35,39/03	27186	8	1,9/03	36010	27	38/02;5,15,16,20,23, 43/03	37137	6	46,48/02;30/03
25600	47	25,27/03	28004	1	45/02;8,9,22/03	36015	2	36,46/02;27,44/03	37139	8	1/03
25607	4	39/02;48/03	28006	1	8/03	36040	16	1,15/03	37140	33	35,49,51/02;4,6,16,24,25, 30,32,42,43,44,45/03
25608	21	16,26,34,38/03	28050	3	34/02;26,42,47/03	36046	5	38/02	37141	29	36,40,48,51/02;1,4,12,17, 19,24,27,31,45/03
25613	2	25,27,47/03	28084	4	17/03**	36060	17	38/02;5,8,20,21/03	37145	23	46,50/02;4/03
25640	40	15,25,31,34,39/03	28150	3	8/03	36061	5	46/02;20/03	37147	15	35,36,40/02;1,10,12,16, 17,19,25/03
25644	13	20/03*	28154	2	38/03	36062	11	40*/46/02	37148	13	35,38/02;4,10,11,27/03
25646	7	N42/02	28190	2	41,43,45,46/02;18/03	36098	6	5/03	37149	10	44/02
25649	19	44/03*	28196	4	41,43,45/02;18/03	36102	6	13/03	37150	8	14,19,26,27,32,33,35,37, 39,41,43,46/03
25650	33	25,30,31,39/03	28197	4	45/02;18/03	36138	3	39/02;4/03	37161	14	34,43/02;1,14,19,24,41, 43,46/03
25653	13	8/03*	28202	22	41,44/02	36139	4	4/03	37162	12	21,26,27,30,32,33,35,37, 39,40,41,43,45,46/03
25659	3	20/03*	28210	2	33,35,39,41/02	36140	12	36,41/02;4,10,27/03	37163	19	32,43/03
25663	27	17,30,39/03	28220	2	35,39/02	36141	7	4/03	37164	4	23,26,27,30,32,35,37,43, 46/03
25664	15	17,30,39/03	28221	18	33,37,39/02;5/03	36143	4	34/02;5,30,43/03	37165	2	34,36/02;10,12,13,15,21, 23,26,27,28,30,32,34,35, 37,39,43,45/03
25666	17	17/03	28223	4	35,39/02	36160	7	47/02;5,13/03	37166	2	14,19,21,26,27,30,32,33, 34,35,37,39,40,41,43,45, 46/03
25667	20	15/03	28260	30	35,37/02	36118	3	5/03	37167	8	14,19,26,27,32,33,35,37, 38,40,41,43,45,46/03
25668	18	48/02;13,34/03	28263	3	35,37/02	36120	9	46/02;5,8,16,23,27/03	37168	11	38/02;14,19,46/03
25670	41	38,44,49/02;4,5,13,20/03	28264	3	35,37/02	36123	25	46/02;11,16/03	37169	11	38/02;14,19,46/03
25671	18	21/03*	28265	3	37/02	36124	18	16/03	37170	11	38/02;14,19,46/03
25673	15	42/02;43/03	28281	32	36/02	36125	7	4,30/03			
25675	9	20/03*	28282	2	35/02	36137	4	38/02			
25677	20	33*,39/03	28300	1	39,50/02	36138	3	39/02;4/03			
25679	10	20/03*	28302	16	33,39,40/02;12/03	36139	4	4/03			
25681	16	28*,34,39/03	28310	2	33,35,39/02	36140	12	36,41/02;4,10,27/03			
25683	18	32*,34,39/03	28320	6	33/02	36141	7	4/03			
25685	9	22/03*	28325	2	5/03	36143	4	34/02;5,30,43/03			
25687	12	30/03*	29002	9	18,29/03	36161	10	34,44,45,47,50/02;4,10,			
25700	3	15/03	29015	5	16/03	36162	10	35,45,47,50/02;4,18/03			
25720	3	33/02	29040	3	39,48/03	36163	13	34,35,38,44,45,47,50/02;			
25800	3	36/02	29107	2	29,36/03	36164	7				

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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.
37175	2	5,27,30,45,46/03	38585	4	18/03	43321	6	41,47/02	44140	8	50/02;1,6,19,21,23,24,26,
37180	20	38/02;27,31,35/03	41000	2	15/03	43323	4	27/03			31,40,44,47/03
37182	14	35,47,48/02;24,27/03	41060	3	34/02	43324	4	27/03	44160	7	46/02;1,4,5,6,11,13,14,
37183	9	48,51/02;10,24/03	41100	2	N46/03	43341	7	41/02;12/03			15,20,26,31,41,47,48/03
37184	8	48/02;5/03	42003		N23/03**	43342	7	26/03	44161	2	50/02;1,2,6,10,21,35,39,
37200	15	28,30,35/03	42004	1	N23/03*	43344	3	39/03			41,48/03
37202	2	22,27/03	42036	2	43/03	43345	4	1/03	44162	1	50/02;1,24,47/03
37205	2	39/02;22,24,30,40/03	42038	2	43/03	43360	21	6,10,13,17,20,21,28,30,	44163	1	48/02
37221	13	34,36/02;6,10,11,12,13, 14,15,21,23,29,30,32/03	42160	3	7,38/03			32,43/03	44164	1	46,48/02;1,11,18,22,
37222	13	21,22,30,46/03	42301	3	38/03	43362	5	44/03			47/03
37223	14	42/02;21,26,27,30,32,34, 35,39,43/03	42560	5	31,38,40/03	43363	5	45/02	44165	1	46/02;1,5,6,11,20,22,24,
			42580	5	40/03	43364	5	45,46/02			34,39,45,48/03
			42600	5	14,30,40/03	43366	4	44/03	44178	2	2,5,7,10,16,26,27/03
37224	11	22,23,30,37/03	42620	5	14,38/03	43368	5	43,48/03	44179	2	10,16,35,39/03
37226	17	39/02;8,9,12,14,17,21, 23/03	42640	6	38,40/03	43369	6	43,48/03	44180	6	34,45,46/02;1,2,5,7,8,9,
			42660	5	38/03	43370	7	47/03			20,26,43,48/03
37228	14	8,14,23,27,29,30/03	42740	5	34,41/02;6,25,31,40/03	43371	13	38,43/03	44181	5	5,10,13,20,21,27,48/03
37229	15	8/03	42742	3	6,8,30/03	43373	8	45/02;17,20,40,42/03	44182	4	48,49/02;1,2,15,18,27,42,
37230	14	39/02;28/03	42760	5	8,19,24,25,47/03	43374	1	43/03			43,46,48/03
37231	18	6,10,12,14/03	42762	3	N25,N30,N47/03	43375	7	46/02;6,7,10,12,16,18,23,	44183	6	48/02;1,6,8,9,10,19,20,
37232	12	29,31/03	42765	3	47/03			24,44/03	44184	9	25,27,35,39,43,46/03
37234	13	7,8,31/03	43000	4	9/03	43377	2	47/03			45,49/02;2,10,13,20,22,
37235	11	17/03	43015	12	9/03	43378	2	38/03			32,48/03
37238	6	17,21,30,33,37,40,41, 45/03	43030	24	2,9,10,11,12,13,15,17,22, 27,28,30,32,46,48/03	43382	2	48/03	44185	7	45,49/02;1,2,10,27,32,
37241	17	26,27,30,32,33,35,37,39, 43,45/03	43040	6	38,47/03	43384	1	48/02;4,5,6,7,10,11,12, 13,15,16,17,18,23,25,26,			48/03
			43058	3	20/03			27,32,44/03	44186	2	45,46,48/02;1,2,5,8,9,10,
37242	10	26,30,32,35,39,43/03	43059	3	44/02;20/03	43385	1	15,16,17,18,23,25,26,	44187	2	15,16,25,27,29/03
37243	7	27,30,32,37/03	43060	4	44/02;27/03			27,32,44/03			5,6,9,13,25,27,39,44,
37244	11	23,26,27,28,30,32,33,35, 37,39,43,45,46/03	43079	2	41/02	43386	2	47/03	44192	1	48/03
			43080	4	44/03	44000	16	44/03	44193	1	46,48/02;1,18,23,39,43,
37246	14	21,24,27,30,32,33,35,39, 40,43,45,46/03	43082	5	41/02;47/03	44001	2	48,49/02;1,6,7,8,9,11,13, 14,P20,23,26/03	44200	9	44,48/03
37248	18	39/02;21,23,24,26,27,30, 32,35,40,41,43,45/03	43101	3	46/02	44015	8	48,49/02;6,7,8,9,10,11, 13,14,24,26,40,44,47/03	44203	1	33,48/02;2,5,15,25/03
37258	4	1,11,22/03	43106	6	44/02;44/03	44030	7	46/02;4,8,9,13,19,48/03	44204	1	48,52/02;2,4,5,7,12,13,
37261	10	1,7,11,20,22/03	43125	7	44/03	44036	5	13,16,17,20,23,28,30,			27/03
37262	20	1,11/03	43127	5	20/03			32/03	44205	2	48,52/02;2,5,7,12,15,19,
37264	3	1,15,22/03	43140	4	41,48,52/02;12,35,38/03	44037	5	16,22/03			22,26,27,29,31,39,43/03
37265	3	1,7,17,32/03	43141	5	52/02;12/03	44038	5	46/03	44206	1	46/02;4,5,13,16,17,19,24,
37281	15	1,15,22/03	43142	4	52/02;12/03	44040	23	44/02;6,10,13,16,17,20, 22,23,24,28,30,32,44/03			28,40,46/03
37320	16	38,44/02;9,10,11,P12,15, 17,21,24,36,38,44/03	43143	4	12/03	44041	7	48/02;1,9,10,13,16,20,23,	44207	1	45,17,19,23,28,40,41,45,
37325	8	34,39,47/02;15,18/03	43144	4	6,12,43/03			28/03			46/03
37326	2	34,47,51/02;15,18,21, 36/03	43145	4	12/03	44042	7	44,45,49/02;4,7,9,10,11, 17,19,20,25,27,28,29,	44220	5	46/02;4,5,13,16,21,40,45,
37328	2	42,44/02;11,15,21,24/03	43146	3	35,38/03			32/03			46,48/03
37330	2	34,38,40,46/02;9,13, 14/03	43148	4	43/03	44043	8	44/02;1,6,9,10,11,13, 16/03	44221	1	19,21/03
37342	3	2,11,15,21,45/03	43150	2	N34,N35,N38,N41/03				44223	1	6,13,21,24,48/03
37343	10	45/02	43160	6	34,35,36,38,41/03	44044	6	6,10,13,16,44/03	44224	1	49/02;5,20,21,24,42/03
37344	11	34/02;21,38,45/03	43161	2	41,44/02;35,41/03	44045	6	22,44/03	44240	8	49,50/02;4,7,13,14,15,16,
37360	15	34,43/02;2,9,10,11,15,17, 21,24,31,36,38,39,43,44, 45/03	43163	3	44/02;41/03	44046	10	22,44/03			19,21,25,39/03
37362	6	43,48,51/02;1,2,4,17,22, 32,33,38,39/03	43164	3	48/02;6,34/03	44047	22	44/02;10,12,22,24,30,31, 32,40,48/03	44243	2	5/03
37363	8	48/02;4,17,32/03	43167	5	36,42,44/03	44048	11	5,12,18,22,25,27,31,40, 48/03	44260	7	2,5,6,13,21,48/03
37367	1	38,49/02	43168	2	36,42/03	44049	9	44,46,50/02;8,14,22,24, 30,31,40,48/03	44280	9	34,49,50/02;2,6,12,15,19,
37380	2	34,40,42,43,44,48,51/02; 9,10,17,21,38,39,41, 43/03	43180	5	9,44/03	44050	21	20,31,32/03			22,34,44,47/03
37400	10	34,38,40,41,44,46/02;6, 10,20,31,34,36,41,43,46, 47/03	43181	3	43/03	44051	1	44,48,50/02;1,11,14,22, 25,26,27/03	44281	2	49/02;12,15,19,21,22,27,
37401	9	44/02;4,6,13,14,16,22,31, 36,43,44,47/03	43182	4	47,52/02	44057	5	29,30/03			45/03
37402	7	41,42,44,50/02;4,13, 14/03	43240	4	50,51/02	44061	21	24,32/03	44282	1	49,50/02;13,17,19,21,
37403	23	10,41/03	43242	4	52/02	44062	8	28,40/03			26/03
37420	1	34,43/02;1,7,41/03	43245	4	50,51/02	44063	8	17/03	44283	2	50/02;8,21,43,45/03
37421	8	14,21,41/03	43247	5	44/03	44064	19	22,28/03	44284	2	41/02;6,42,44/03
37423	5	14,21,41/03	43248	3	9,44,46,47/03	44065	7	42/02;16,17/03	44285	1	2,15,40,44,47/03
37443	2	38,45/03	43252	1	44,46/03	44066	10	39/02;31/03	44286	1	2,27,40,47/03
37444	1	48/02;1,34,38/03	43260	4	46,47/03	44067	22	16,17,28/03	44310	5	41,42/02;7,37/03
37445	2	1,34/03	43261	5	46/03	44068	11	44/02;10,11,13,40/03	44313	1	41,47/02;36,37,39,40/03
37461	9	51/02;6,20,25,36/03	43262	5	46/03	44069	16	11,13,17,22,23,40/03	44319	2	41,42/02;4,6,9,10,P20,
37463	6	1,43/03	43263	7	44/02;37,44,46/03	44070	7	28/03			26,27,28/03
37471	8	14,21,41/03	43264	2	46/03	44071	4	29/03	44320	4	6,8,9,15,P20,25,26,37/03
37473	5	14,21,41/03	43265	2	44,52/02;37,46,47/03	44072	4	40/03	44321	6	40/02;6,8,44,45/03
37474	2	38,45/03	43266	1	44,52/02;37,46,47/03	44075	4	42/02;13,23,40/03	44340	11	37/02;4,6,8,9,15,17,P20,
37475	2	1,34/03	43270	2	44/02	44076	3	22,28,30,32/03			26,33,37/03
37476	9	51/02;6,20,25,36/03	43280	5	44/02;37,40,47/03	44081	9	39/02;9,13,46,48/03	44341	7	37,41/02;7,9,P20,26/03
37463	6	1,43/03	43281	6	27,37,44,46,47/03	44082	11	9,33/03	44342	8	37,41/02;6/03
37478	7	47,48/02;6,7,14,30/03	43283	6	27,37,40,43,47/03	44083	8	9,11,24,25,26/03	44352	2	4,6,7,8,12,15,17,19/03
37501	3	46,47/02;7,8,20,33/03	43284	4	51/02;40,43/03	44084	1	6,11,26/03	44360	9	34,37,41,42/02;4,9,10,20,
37505	2	46/02;7,33,41/03	43285	5	44/02;44/03	44100	7	44/02;2,9,11,12,13,22,31,			27,28,30,31,32,37,39,
37506	4	45,46,47,51/02;8,20,33, 48/03	43287	2	27,37/03			40,41,46,48/03	44361	6	4,10,15,21,26,27,28, 35/03
38320	3	35/03	43300	5	44,47,50/02	44081	9	39/02;9,13,46,48/03	44365	1	7,8,26,27,43/03
38480	6	48/03	43301	4	45,50/02	44082	11	9,33/03	44366	1	34,41/02

SECTION I

NM 48/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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.
44420	6	36,49/02;8,9,10,11,12,14, 17,22,25,27,40,44/03	52055	1	14/03	53141	5	34,51,52/02	54288	5	1/03
44430	2	6,10,11,14,19,24,25,40, 44,47/03	52060	16	43,50,51/02;7,12,P20,26, 29,34/03	53147	3	36,39,42,51/02;6,7,10,13, 17,20,35/03	54289	8	1/03
44444	6	9,12,30,34,35,36,38, 41/03	52061	2	45,48,51/02;7,12,20,P20, 26,29,34/03	53160	14	51/02;3,6/03	54302	1	21/03
44461	10	6,10,24,25,26,28,31,36, 47/03	52062	7	7,12,23,29,34/03	53161	8	51/02;3,8,13,18/03	54318	3	1,14/03
44462	4	27,39/03	52066	3	50/02;14,16/03	53162	7	50/02*,15/03	54320	4	48/02;1,24,25/03
44463	9	24/03	52080	14	50,51/02;4,7,10,11,12,14, 20,P20,26,48/03	53164	9	37,51/02	54321	2	25/03
44465	2	6,25,47/03	52082	3	45,46,48/02;11,12,20, P20,26/03	53165	13	39/02;8/03	54322	7	1/03
44481	2	24,26,31/03	52083	2	45,46,51/02;1,16,46, 48/03	53180	10	33,34,43,51/02;1,3,6,7, 13,15,18,20,21,29/03	54329	4	5/03
51007	22	38/02;7,27,33,40/03	52084	2	45/02;4,10,11,12,14, 18/03	53181	4	34/02;1,13,21/03	54332	3	25/03
51013	4	38/02;7,21,33,36,45/03	52085	3	50,51/02;4,11,16,46/03	53182	4	36/02;15,16/03	54333	3	25/03
51017	31	37/02;24,40,44/03	52086	2	45,50,51/02;1,4,9,11,14, 36/03	53183	13	35/02;20/03	54339	8	12/03
51022	11	37/02;44/03	52087	1	51/02	53184	5	35/02;1,6,13,18,20/03	54340	8	48,51/02;3,4,24/03
51027	8	45/03	52088	2	45/02;4,10,11,12,14,18, P20,26/03	53200	6	33,36,43/02;5,6,7,15,16, 20,30/03	54341	4	23/03
51032	10	45/03	52089	12	51/02;6,11,16,18/03	53201	6	51/02;18,21,38/03	54343	10	48/02;4,5,11,12,13/03
51061	14	1,7,15,17,19,21,22/03	52092	1	46,51/02;16,48/03	53202	6	15,17/03	54344	6	48/02;24/03
51062	28	15,17,19,22/03	52100	12	51/02;6,11,16,18/03	53203	11	5/03	54346	8	11,12,13/03
51064	2	52/02;1,17/03	52101	8	45,46/02;1,6,8,11,16, 23/03	53204	10	44/02;5/03	54347	4	51/02
51081	10	5,6,13,15,17,21,22,45/03	52102	1	46,51/02;16,48/03	53205	3	5,26/03	54350	4	51/02;37/03
51082	7	5,7,13,15,17,21,22,45/03	52104	6	48,50/02;3,12,18,29, 46/03	53206	6	5,25/03	54351	7	52/02;26/03
51100	7	1,6,7,8,9,14,27,33,34, 41/03	52105	14	45/02;11,14/03	53207	12	52/02;1,13/03	54352	3	52/02;1,3,33,37/03
51103	10	33,45/02	52107	1	51/02	53244	2	1/03	54359	2	38/03
51104	1	33,45/02	52108	7	45/02;4,10,11,12,14,18, P20,26/03	53265	6	35,41,46,52/02;15,16/03	54360	12	52/02;20,21,34/03
51120	6	6/03	52109	1	45,46/02;8,11,16,18/03	53266	4	1,8,13,17/03	54361	10	38/03
51135	1	22,46/03	52110	6	48,50/02;3,12,18,29, 46/03	53267	1	37/02;17/03	54362	3	52/02
51142	2	6,13,15,22,33,40,45/03	52111	14	45/02;11,14/03	53268	5	17/03	54363	3	21/03
51143	4	6,40,45/03	52112	1	51/02	53269	3	17/03	54364	2	52/02
51144	3	52/02;1,15,46/03	52113	2	12,18,23,29/03	53279	3	7,15/03	54365	6	36/02;11,21/03
51145	2	42/02;13,22/03	52114	5	50/02;3,7,8,10,14,16,18, 21,23,47/03	53281	4	40,52/02;15,18/03	54369	4	52/02;20,21,34/03
51146	3	42,52/02;5,36/03	52115	14	6,11,14/03	53282	8	40/02	54400	8	43/02;3,16,22,30,36, 37/03
51150	1	50,51/02;1,13,15,22,33, 40,46/03	52116	2	14/03	53283	4	33,52/02;40/03	54402	4	52/02
51154	3	50,51/02;13,15/03	52117	3	14,16,42/03	53284	4	33,40/02;7,21,24/03	54403	4	43,52/02;24,30,36/03
51155	1	50,51/02;1,15,22/03	52118	2	40/02;1/03	53285	4	35/02;7,15/03	54407	4	43/02;3,7,16,30,37/03
51158	2	6/03	52119	14	42,43,51/02;1,8,10,13,15, 16/03	53287	6	35,42/02;1,5,7,8,10,15, 22/03	54409	2	7,8,12/03
51159	3	47/02;39/03	52120	8	7,17/03	53290	1	35/02	54413	3	37/03
51160	20	48,50,51/02;1,4,5,6,7,14, 15,21,22,45/03	52120	7	27/03	53301	4	22/03	54416	5	33,37/03
51163	4	4,43/03	52121	7	27/03	53302	4	51/02	54417	1	30/03*
51164	18	38,45,46,50/02;2,4,8, 43/03	52122	4	27/03	53303	6	49,51/02	54418	4	43/02;3,7,16,30,37/03
51165	8	45,50/02;2,4,8,10,14,16, 39/03	52123	9	27/03	53306	2	39/02;31,43/03	54419	2	3/03
51166	3	N45/02;N39/03	52124	2	51/02	53311	3	39/02;37/03	54421	6	47/02;36,41,43,46/03
51167	6	45,50/02;2,4,8,10,16/03	52125	1	39,48/02;5,12,14,24, 31/03	53404	3	37/02;6,10,20/03	54422	4	46/03
51168	2	45,46,50/02;2,4,8,45/03	52126	2	4,37/03	53404	7	35/02;4,8,16,17,24/03	54423	5	48/02*,17/03
51180	5	13,16/03	52127	14	51/02;4,5,9,10,12,14,31, 36,39,44/03	53405	2	17/03	54430	1	37,43/02;36,43/03
51200	4	14/03	52128	10	44,47/02;12,16,17,38, 44/03	53406	5	37/02;16/03	54440	4	41/02;17,38/03
51220	8	33/02;18,43,45,46/03	52129	13	1,14,16/03	53407	11	52/02;42/03	54441	6	42/02;2/03
51222	6	51/02;16/03	52130	9	33/02;34,46/03	53408	3	1,13/03	54462	5	17/03
51223	2	17,18/03	52131	2	48/02;17/03	53408	7	20/03	54464	5	17/03
51240	2	33/02;43,46/03	52132	14	33/02;10,20,39/03	53409	3	46/02*,11,15,19/03	54480	8	36,41/02;2,17,21/03
51260	4	37,50/02;16,18,28,43, 44/03	52133	2	33/02;39/03	53409	5	46/02*,8,15,30,42/03	54481	8	36/02;33,43/03
51261	23	5,6,13,15,19,40,46/03	52134	6	33/02;20,39/03	53410	3	46/02*,8,13,17,19/03	55001	4	36,37,42/02;14,15,28,29, 33,35,36,39,43,44/03
51263	23	49/02;13,17/03	52135	8	4,5,11,16/03	53411	3	46/02*,15,30/03	55040	4	39,41/02;16,20,21,35,36, 39,41,42/03
51341	23	48/02;6,16,34/03	52136	13	40/02	53412	3	46/02*,15,17,30,47/03	55041	7	21,43/03
51342	3	1/03	52137	8	9,10,21,22,41/03	53414	7	41/02;15,30,47/03	55042	1	42/02;17,35,37/03
51344	2	5,7,16,18,44/03	52138	6	51/02;14,16/03	53415	1	3,42/03	55043	2	37,39,42/02;37/03
51380	5	47/02;42/03	52139	6	51/02;14,16/03	53416	12	10,20,21/03	55044	5	41,43/02;16,42/03
51420	5	42/03	52140	8	46,48/02;17/03	53416	2	33,37/02;38/03	55045	2	41/02;39/03
51440	4	42/03	52141	9	48/02;17/03	53416	3	10/03	55046	4	37,38,39,41,48/02;18,19, 35,36,41,46/03
51500	6	20/03	52142	7	33/02	53417	2	20/03	55047	8	41/03
51540	3	22,45/03	52143	4	21,22,23,41/03	53418	1	37/02;10,17,38/03	55048	12	36,37,39,41,48/02;20/03
51559	3	41/02	52144	1	41/02	53419	3	37/02;17,38/03	55049	6	41,43/02
51580	13	41/03	52145	2	41/03	53420	6	41,43,50/02;5,30,42, 47/03	55050	7	36,37/02;28/03
51600	12	20,39/03	52146	16	33,39,42,51/02;6,10,13, 18,20,21,24,31/03	534181	7	48/03*	55051	1	28/03
51620	10	20,39/03	52147	7	33/02;8,13,16,24/03	534195	2	5/03	55052	5	28,33/03
51621	9	20/03	52148	2	35,42/02;20,24/03	534200	4	5,8/03	55053	1	6,44/03
51641	4	32,34,40/03	52149	20	37/02;8/03	534201	6	8/03	55054	3	37,48/02;6/03
52031	1	6,21,48/03	52150	6	21,33/03	534222	4	43/02;20/03	55055	9	5,25,32,44,46/03
52039	4	5*,7,8,9,13,14,18,21, 45/03	52151	16	35/02;6/03	534223	2	8/03	55056	7	39/02;39/03
52040	17	43,50/02;13,16,18,34/03	52152	1	40/02;10,15,17/03	534224	2	8/03	55057	9	5,31,33,36,39,46/03
52042	6	22/03*	52153	3	44/02*	534226	2	50/02;47/03	55100	8	36,37/02;6,28,29,33,34,
52043	21	46/02;6,7,48/03	52154	14	39,42/02;5,6,7,13,17,31, 35/03	534227	2	50/02;47/03	55101	4	7,25,32,34,38,39,42,43, 46/03
52045	6	36/02	52155	3	40/02;7,8,16/03	534229	4	50/02*,2,15/03	55102	3	4,5,15,25,32,36,43,46/03
52046	21	50/02;6,7,16,18,21/03	52156	3	7,29/03	534230	10	5,15,22/03	55103	2	48/02;1,4,5,7,15,19,20, 25,26,27,31,35,36,38,42, 43,45,46/03
52047	11	7,8,34/03	52157	3	46,51/02;13/03	534282	1	51/02			
52048	3	8/03	52158	4	43/02*	534283	5	52/02			
52051	1	43/02	52159	1	42,47/02;10,13,18/03	534284	1	51/02;15,34/03			
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SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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.
55104	2	48/02;4,5,7,14,19,31,33, 36,45,46/03	61050	4	10,15,31/03	62395	3	25/03*	63210	3	45,52/02;16,30/03
55105	7	36,41,42/02;14,15,29,33, 36,42,43,48/03	61051	7	15,24/03	62400	17	33/02;4,9,31/03	63220	5	45,52/02
55110	2	37/02;6,29,43,44/03	61060	5	12,27,39/03	62401	9	6,10,41/03	63230	6	45/02
55120	2	36/02;6,14,28,33,34, 42/03	61061	9	10,12,15,24/03	62402	10	10/03*	63231	8	45/02
55127	2	10,14,24,27,32,36/03	61070	4	9,39/03	62404	3	6/03	63232	3	45/02
55128	2	33,36,38/02;1,4,5,8,14, 26,27,28,32,34,43/03	61071	9	18,39/03	62405	8	43/03	63240	4	19/03
55129	7	33,36,37/02;6,15,27,34, 35,42,45,46/03	61080	4	9/03	62406	2	33/02;28/03	63250	6	40/02;11/03
55130	2	45/02;5,14,19,32,33,34, 39,42,46/03	61090	5	12,27/03	62408	7	10/03	63252	1	33/03
55131	1	36,45/02;6,19,25,38, 39/03	61091	5	12,18,24,27,35/03	62409	6	7/03	63271	8	52/02;8/03
55133	3	5,14,34,36,38,46/03	61092	13	18,27,35,39/03	62411	1	52/02	63290	7	38/02;10,22/03
55139	5	41/02	61100	4	10,12/03	62413	12	28/03*	63291	9	33/02;16/03
55140	2	1,5,14,29,33,34,35,36,42, 45,46,47/03	61110	3	25/03	62417	1	52/02	63310	5	11/03
55150	2	37/02;15,36,48/03	61111	12	25,27,34/03	62419	6	33/02;8/03	63320	8	37/03
55160	2	42/02;29,41,42/03	61112	10	35/03	62420	5	33,37,39/02;8/03	63321	6	42/02;9,37/03
55161	1	17,41,42/03	61141	6	38/02;35/03	62429	9	39,43/02	63322	2	9/03
55170	2	36,41/02;46/03	61142	6	38/02;7,35,39/03	62431	8	37/02	63330	9	39/02;4/03
55180	2	33/02;1,15,29,33,36,39, 42,45,46,47/03	61180	4	38/03	62432	16	13*,30/03	63337	15	39/02;4/03
55190	2	6,20,27,39,40/03	61190	4	39,41/02	62433	12	34,45/02;1/03	63370	1	20/03
55200	2	8,10,20,25,26,27,28,32, 33,36,39,42,45,46,47/03	61204	5	13/03	62434	9	40,46,52/02;8,12,17,18, 21,23,43/03	63400	1	39/02;8,11/03
56031	1	1,2,17,21/03	61310	2	33/02;7/03	62437	10	30*,32,35,37/03	63410	6	39/02;8,9/03
56041	4	21/03	61311	5	33/02	62439	4	1/03	63413	5	39/02
56044	3	38/02	61312	3	33/02	62440	8	16*,41/03	63417	2	39/02
56060	9	27*,38/03	61331	4	7/03	62441	10	36/02	63420	2	39,45/02;8/03
56063	1	16/03	61400	2	7/03	62442	6	24/03	63424	2	45/02
56064	6	38/02;2,16/03	61410	2	7/03	62446	3	43/03	71005	1	34/02;2,6,12,13,16,23/03
56065	3	33,38/02;16,38/03	61430	2	7/03	62453	4	16/03*	71006	5	39/02;23/03
56067	3	48/02*;20,38/03	61433	1	7/03	62455	7	39,43/02	71009	3	39,46,48/02;1,6,7/03
56081	19	41/02	61434	2	7/03	62457	6	11/03*	71012	3	33,39,46/02;1/03
56082	16	29/03	61541	8	41/03	62459	2	6,41/03	71015	4	23/03
56083	14	33/03*	61542	6	41,46/03	62460	4	33/02;10/03	71018	10	33,35,37/02;7,12,13,15, 21,25,26,27/03
56066	3	38/02;2,16/03	61560	2	7/03	62464	2	49,50/02;4/03	71027	9	34,38,45,49/02;2,4,5,14, 18,23,33/03
56068	19	41/02	61562	2	6/03	62480	2	16*,18,32,41/03	71033	31	37,38,49/02;3,12,14,15, 23/03
56069	16	38/03*	61581	5	28/03	62490	2	16*,17,18,21,32/03	71036	8	35,44/02;12,14,23,26/03
56070	6	38/02;2,16/03	61582	4	28/03	62498	4	4,9,31/03	71040	5	34,42/02;7,47/03
56071	3	33,38/02;16,38/03	61591	4	28/03	62499	4	49,50/02;4,9,31/03	71042	1	34/02
56072	19	41/02	61610	7	34/03	62510	3	11*,12/03	71045	2	23/03
56073	16	38/03*	61611	11	34/03	62512	3	N11*,N12/03	71058	2	36/02
56100	14	33/03*	61612	4	34/03	62515	2	45/02	71059	1	36/02
56101	6	33/02;1/03	61650	3	12/03	62520	6	20*,28,32,41/03	71061	15	36/02
56102	23	1/03	62000	20	46/02	62521	4	N20*,N28,N32,N41/03	71066	1	39/02;6,7,10,24/03
56103	6	1,33/03	62001	5	11*,28/03	62530	6	20*,28,32/03	71081	3	21/03
56104	3	22/03*	62024	13	38,40/02;29/03	62531	4	N20*,N28,N32/03	71091	4	1,2/03
56105	1	38/03*	62028	15	10/03	62540	6	34,40,45,48,50,52/02;8, 12,17,18,21,30,35,43/03	71140	6	33,39,46/02;1/03
56106	12	1/03	62032	16	11*,17,21,41/03	62541	3	N34,N40,N45,N48,N50, N52/02;N8,N12,N17, N18,N21,N30,N35, N43/03	71180	29	33,37/02;7,12,13,15,21, 23/03
57000	10	43/03	62033	3	N11*,N17,N21,N41/03	62580	3	33,45/02;12,35/03	71185	24	7,13,15/03
57029	9	12/03	62046	3	19/03*	62590	2	36,40,46,48/02;8,12,17, 18,21,23,30,37,43/03	71186	2	7/03
57035	10	10,12,23/03	62050	6	44/02	62591	3	N36,N46,N48/02;N8, N12,N17,N18,N21,N23, N30,N37,N43/03	71210	18	44/02;3,23,27/03
57060	7	43/03	62092	7	41/02	63000	13	48/02;40/03	71211	4	38/02
57063	5	40,41/02	62093	7	41,49/02	63005	18	16/03	71212	1	38/02
57064	3	41/02	62095	3	11*,32/03	63010	14	52/02;44/03	71230	11	38/02;6/03
57101	18	41/02	62097	6	38/03*	63015	11	38,40,52/02;9/03	71241	10	6,12,16,20/03
57103	2	16/03	62098	7	33/03*	63020	15	4,9,11/03	71243	5	15/03*
57120	13	43/02	62100	6	P23,26/03	63040	2	46/02	71247	18	5,6,8,14,17,21,22/03
57140	10	43/02	62110	9	P23,26/03	63050	2	46/02;45/03	71248	2	N51/02*;N1/03
57141	14	43/02	62140	1	34,40/02	63053	4	39,45/03	71249	2	35/02
57142	6	43/02	62142	10	32/03	63055	2	39/03	71251	11	35,40,42/02;1,15,21/03
57160	10	43/02	62143	3	32/03	63060	7	45/03	71253	10	35,40,42/02;5,6,7,13,14, 16,17,21/03
57162	7	43/02	62170	2	38/02	63063	9	20/03	71255	6	28/03*
57164	2	43/02	62191	15	11*,15,28/03	63065	6	44/03	71257	2	5,6,7,12,13,16/03
57165	1	43/02	62194	8	36/02;4/03	63070	3	16/03	71258	2	35/02;5,6,7,13,22/03
57170	1	43/02	62195	7	19/03*	63080	5	48/02	71259	3	15*,17,19,44/03
57200	6	11/03	62220	9	21/03*	63090	8	15,30,40/03	71261	8	35/02;2,16/03
57220	4	11/03	62222	5	19/03*	63091	4	39,48,52/02;9/03	71262	7	6,33/03
57241	12	31/03	62225	3	37/02;17/03	63100	2	44/02;30/03	71265	3	46*,49/02;7,13,15,16, 20/03
57242	8	41/03	62241	10	9/03	63101	15	15,30,40/03	71271	10	34,52/02;19/03
57245	1	41/03	62242	11	47/02;9/03	63102	19	15,30,40/03	71272	10	34/02;19/03
57260	3	23/03	62250	4	34,38/02;32/03	63103	17	15,16/03	71275	3	35/02;2,6,16,19,33/03
57261	2	23/03	62270	4	37,41/02;29,32/03	63110	4	40/02;16/03	71281	7	51/02;34/03
57262	4	23/03	62271	5	37,41/02;10/03	63111	9	48/02;9/03	71285	3	34,52/02;13,19/03
57381	12	52/02;15,16,23/03	62290	3	37,41/02;10,21,P23,	63120	2	44,48,52/02;8/03	71295	2	34,39,40,52/02;12,19/03
57400	4	12/03			26/03	63065	6	44/03	71305	2	34,36/02;2,13,23/03
57408	2	12,24/03	62295	3	21,P23,26/03	63130	15	15,30,40/03	71311	4	7/03
57420	3	12/03	62302	2	4/03	63131	8	45/02	71313	8	45/02
57460	4	10,12,29/03	62310	2	29/03	63134	5	6,10/03	71314	5	6,10/03
57471	3	12,15/03	62330	2	38,40/02	63110	2	44/02;30/03	71315	2	34/02
57472	2	12/03	62340	3	38/02	63111	9	48/02;9/03	71320	1	35/02;5,14,33,38/03
57480	8	12,15,23,27/03	62343	3	8/03	63120	2	44,48,52/02;8/03	71325	8	5/03
57482	12	24/03	62350	3	10/03	63121	5	48/02;5,8/03	71330	13	35/02;5,33,38/03
57483	11	24/03	62355	6	8,29/03	63200	5	52/02;30/03	71331	11	5,7,8,33,38/03
57484	19	15,23,24,27/03	62360	5	38/02;12/03	63201	9	40/02;30/03	71333	2	6,7,33/03
57488	6	24/03	62361	2	N38/02;N12/03	63205	2	30/03	71335	2	8,38/03
61000	20	10,15,23,27,31/03	62366	4	33/03*				</td		

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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.
71340	11	40,46/02;2,4,5,6,7,33/03	74017	4	37,45/02;18,31,38/03	74430	2	49/02	75240	4	36,39/02;2,4,27,39/03
71343	3	7/03	74018	6	44/02	74440	3	39/02/2/03	75241	6	34,36/02;26,35/03
71348	3	35/02;7,23/03	74020	4	33,37,38,43/02;5,18,31, 38/03	74450	3	49/02;2,37/03	75251	5	33,48/02;3,19,37,40/03
71349	2	23/03	74021	7	33,35,39,44/02;7,10,26, 31,35/03	74455	3	48/02;1,4,38/03	75261	6	33,36,48/02;3,6,26,31, 38/03
71350	8	5,6,7,14/03	74024	7	44/02;36/03	74460	4	37,40,46,49/02;6,20, 37/03	75262	6	38/02;16/03
71400	5	14,23/03	74027	9	43,44/02;39/03	74465	2	9,36,38/03	75263	9	5,26,31/03
71401	1	40,46,51/02;5/03	74030	6	51/02;42/03	74470	2	8/03	75264	17	33,34,37,41,42,44,45/02; 2,27,32/03
71410	1	39/02;12,23/03	74051	2	42/03	74475	2	44/02;42,48/03	75265	2	6,20,31,32,38,40/03
71420	1	38,39/02;3,12,14,23/03	74053	2	51/02	74480	2	44/02	76015	1	35,40/02;28,45/03
71430	3	11*,20,23/03	74151	9	36,44/02;2,20,29,40, 41/03	74485	3	43/02	76030	9	49/02
71440	2	11*,23/03	74152	11	36,44/02;27,30,34/03	74493	3	38,43,45/02	76040	8	47/03
71445	1	7/03	74153	2	36,44/02;2,27,41/03	74494	2	41/02;8,9,16/03	76050	8	49/02;18,28/03
71450	1	7/03	74162	4	36,46,47/02;8/03	74510	2	33,35,37/02;5,10,17,18, 35/03	76052	8	4,5,28/03
71455	2	11*,23/03	74171	4	33,36,47/02;3,10,18,20, 40/03	74515	4	33,35,39/02;4,7,10,31, 35/03	76054	5	49/02
71460	1	41/02;23/03	74172	5	36,47/02;7,10,18,40/03	74517	3	39,41/02;4,31/03	76056	3	9,37/03
71470	2	38/02;14/03	74181	8	33,35,37,38,39,47/02;10, 34/03	74521	3	41/02	76060	7	40/02
72000	8	35,47,50/02;2,20,21,23, 24,27/03	74182	12	33,35,37,38,39,41,42,44, 51/02;6,10,17,25,34,38, 39,40,41,42/03	74530	2	44/02;36/03	76061	3	40/02;9/03
72007	10	36,38,47,51/02;2,5,7,11, 27/03	74183	11	38,39,42/02;4,6,17,25, 38/03	74535	2	42,44,48/02;36,38/03	76070	9	35/02;28,45,47/03
72014	10	46/02;7,19/03	74184	10	33,35,37,38,46,48/02;17, 34/03	74545	3	40/02;18,32/03	76071	9	35/02;28/03
72021	8	36,38,47,50,51/02;7,20, 23,27/03	74186	7	34/02;4,10,17,21,27,30, 36/03	74550	4	5,32/03	76080	8	1,18,47/03
72028	7	34/02;22/03	74188	11	38,39,42/02;4,6,17,25, 38/03	74555	3	34,43,44,48,51/02;5/03	76081	7	28,37/03
72035	8	8,21,27/03	74190	7	35,36,37,46/02;1,16,31, 34/03	74560	10	40,43,46,48,50/02;4,5,18, 31,32/03	76083	3	1,37/03
72045	2	8,27/03	74191	2	35,46,48/02;1,7,9,29/03	74561	9	34,36,40,41,43,45/02;27, 31,39,48/03	76120	6	45/03
72050	4	23/03	74192	3	35,46/02;1,40/03	74582	9	40/02;17,20,27,31,39, 48/03	76121	8	47/03
72060	8	50/02	74196	7	34/02;4,10,17,21,27,30, 36/03	74583	15	34,40,43,44,48,51/02;38, 48/03	76140	7	46/02
72070	4	2,9/03	74199	7	35,36,37,46/02;1,16,31, 34/03	74584	5	34,41,43,45/02;26,27,36, 38,39,48/03	76141	8	46/02;28,37,45/03
72075	2	9/03	74200	8	37,46/02;1,8,32,40/03	74590	2	51/02	76142	1	46/02;37,45/03
72080	7	51/02;2,9/03	74201	9	32/03	74591	7	40/02;8,38/03	76144	1	28/03
72085	3	15/03*	74202	3	1,7,27/03	74595	2	42/03	76146	1	28,45/03
72094	2	38/02;7/03	74204	5	37/02;1,7,8,32,40,46/03	75000	6	47/02;6,31/03	76147	1	28/03
72100	7	7,19/03	74205	2	27,32,35/03	75001	3	47/02;5,6,31,32/03	81004	3	37*,43/03
72103	2	4,6,7,19/03	74206	2	34/02;27,32,35/03	75010	7	41,42,50/02	81048	8	28,43/03
72105	2	36,38/02;7,11,19/03	74207	9	32/03	75025	9	36,39/02;2,4,8,25,27,36, 38,39/03	81054	13	14*,27,28/03
72107	2	7,19/03	74208	3	1,7,27/03	75035	18	36,39/02;2,6,26,27/03	81060	2	43/03
72109	3	42,44/02	74209	2	27,32,35/03	75051	6	5/03	81063	5	47/03
72130	4	46/02	74210	8	7,17,37,46/03	75110	2	50/02	81067	6	46/03*
72131	3	11/03	74210	7	7,17,37,46/03	75120	2	42/02	81076	10	41*,44/03
72161	10	10/03	74220	8	35,47,51/02;30,37,46/03	75130	16	34,41,50,51/02;5,7,8,16, 19,25,26,37/03	81092	3	38*,50/02;32/03
72181	2	36/02;7,11/03	74221	2	35,51/02;30,38/03	75131	7	17,39/03	81711	6	31/03
72190	2	10/03	74229	2	33,37,43,47/02;18,26/03	75132	11	17,19,25,29,32,35/03	82005	5	17/03
72201	8/03		74230	7	39,42/02;5,7,36,46/03	75134	3	33,51/02;5,19,29,37, 45/03	82010	6	17,39/03
72211	6	43/02;5,8/03	74231	7	35/02;3,21,36/03	75142	5	36,42,50/02;35/03	82015	13	39/03
72223	8	27/03	74232	9	5,7,21/03	75143	4	33,36,38,42,50/02	82020	7	39/03
72231	8	21/03	74234	1	8,17/03	75144	3	33,36,42,51/02;4,10,18, 25,30,38/03	82192	6	43/03
72234	2	18,19/03	74240	8	34,39,42/02;4,5,7,8,9,41, 46/03	75150	5	50/02;16,19,26/03	82200	2	17,41/03
72236	1	9,12/03	74251	8	34,37,42,44,46,51/02;6,9, 17,21/03	75151	6	17,18,19,25,32/03	82210	2	42,48/02
73000	9	40,52/02;10,20,21/03	74252	9	47/02;5,7,9/03	75152	12	38,39/02;8,25,38/03	82215	2	41/03
73002	4	5,11/03	74253	6	47/02;8,9,16,20,21,30/03	75153	7	17,39/03	82242	1	35,48,50/02
73004	4	10/03	74261	9	41,49/02;4,10,30,39/03	75154	5	33,36,43,47/02;8,19,16, 25,30,38/03	82244	5	35,42,48/02;20,39/03
73008	8	11,13,23/03	74265	2	38,41,43,47,49/02;7,9,16, 21,30/03	75155	5	45/03	82253	7	35,48,50/02;20,39/03
73012	6	11/03*	74266	2	38,42,43,47,49/02;7,9,16, 21,30/03	75156	6	17,18,19,25,32/03	82280	N39/03	
73014	10	48,52/02	74267	3	38,41,43,47,49/02;7,9,16, 21,30/03	75157	12	38,39/02;8,25,38/03	82646	2	33/02
73016	4	44/02	74270	3	38/02;7,38/03	75158	22	33,36,38,40,42,48,52/02; 1,6,16,26,35,38,40,44/03	82649	5	33/02
73020	9	9,21,22/03	74271	9	38,46/02;19,26,27,29,30, 38/03	75159	5	39/02	82683	4	33/02;17/03
73024	3	39/02	74272	7	4,19,29,30/03	75173	9	33,36/02;1,6,20,26,35,38, 48/03	82684	3	33,38/02;7/03
73030	4	22/03	74273	5	38,41,43/02;7,19,27/03	75175	9	33,38,40,45,50/02;6, 18/03	82689	3	38/02;17/03
73032	4	9,22/03	74281	7	3,30/03	75176	9	42,50/02;25,26,32,40, 44/03	82694	6	38/02;17/03
73041	2	5/03	74283	2	46,49/02;27/03	75177	7	38,48,50,52/02;6,26, 38/03	82697	6	38,46/02
73191	3	7/03	74285	2	34,35,45/02;1,9,16,38/03	75178	2	8,25,38/03	83010	6	6/03
73271	7	13/03	74286	2	29,35/03	75179	2	47/02;8,36/03	83020	8	24/03
73552	4	34,45/02;1,7,9,10,38/03	74287	2	34,38,52/02;9,47/03	75180	2	47/02;8,36/03	83021	1	43/02
73570	7	34,45/02;1,10/03	74289	5	9/03	75185	2	47/02;25,36/03	83023	4	43/02
73580	4	52/02;43/03	74290	11	34,39,45,46,48,49,51/02;	75190	2	47/02;25,36/03	83025	1	12,45/03
73581	4	52/02;3,43/03	74292	3	44,45,48/02;9,16/03	75191	6	37,38,43,47/02;8,19,30, 34,36,38/03	83026	32	41/02;6/03
73590	6	47,52/02;36,43/03	74293	3	4,9,27,29,35/03	75193	6	49/02;1,5,7,10,16,19, 35/03	83039	11	41/02;6/03
73601	3	34,35,47/02;43/03	74295	4	34,38,49/02;9,27/03	75194	6	37,38,43,47/02;8,19,30, 34,36,38/03	83251	2	2,12/03
73631	4	36,46/02;1,17,40/03	74296	4	34,38,49/02;9,27/03	75195	6	49/02;1,5,7,10,16,19, 35/03	83252	8	2,12/03
73640	5	36/02;16,40/03	74297	7	34,45,48/02;9,16/03	75207	2	36,52/02;4,16,33,37, 43/03	83253	2	12/03
73650	5	40/03	74298	3	44,45/02	75208	2	50/02;30,33/03	83397	6	1/03
73653	1	40/03	74299	4	34,45/02	75213	2	36,52/02;33,38/03	83425	6	35/02
74000	6	36,47/02;2,7,18,41/03	74300	4	34,38,49/02;9,27/03	75215	2	36,39,40,52/02;7,33, 38/03	83473	7	37/03
74002	2	35,47/02;31/03	74302	3	35/02;8,18,41,43/03	75220	12	36,39,49/02;4,20,26, 39/03	83484	10	23,42/03
74003	5	47/02;7,10,31,34/03	74340	3	16/03	75222	8	35,40/02	83574	2	7/03
74004	2	35,37,39,47/02;9,30/03	74350								

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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.
91020	5	19,46/03	94040	13	37,47,51/02;6,8,10,17,18, 28,31,43/03	95086	5	45,52/02;1,6,8,11,12,23, 27,31,33/03	95282	7	46,52/02;4,6,9,19,20,22, 23/03
91025	8	46/03	94042	9	47,51/02;7,18,24,43, 45/03	95087	3	33,40,48/02;1,8,30,31/03	95285	3	18,20/03
91030	3	42/03	94060	10	33,37,46,47/02;7,8,10,12, 14,15,18,24,31,42/03	95100	12	38,39,43,44,45,46,47,50, 52/02;1,4,6,7,8,9,10,17, 23,25,27,28,29,31,37/03	95300	5	45,48,52/02;44/03
91170	2	38,41,44/02	94061	5	33,35,47/02;23,41,42/03	95101	8	39,44,50/02;1,5,6,9,14, 17,28,31/03	95320	15	35,38/02;20,21,26,33, 40/03
91280	7	19,43,46/03	94063	4	33,41/02;8,18/03	95102	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14,17, 23,25,27/03	95341	8	42,47/02;1,10,40,44/03
91289	19	43/03	94067	10	33/02;10,11/03	95103	8	42,43,45,47,52/02;4,6,7, 10,12,19,27,28,31/03	95342	16	9,13,16,20/03
91294	8	19/03	94080	7	33,44,48/02;10,19,22, 32/03	95120	7	42,43,52/02;1,4,14,21, 26/03	96004	14	44,45/02
91297	9	19/03	94122	7	40/02;35/03	95138	8	45,46,48,49,50,52/02;8, 16,17,19,23,24,25,27,28, 30,35,36/03	96020	4	41/02
91300	3	46/03	94123	9	33,38,48,52/02;9,10,17, 18,21/03	95140	15	38,40,41,44,48,49,52/02; 1,7,8,9,10,17,21,24,25, 27,29,33,35,37/03	96032	3	38/02,34/03
91331	3	42/03	94127	2	33,38/02;6,9,13,16,18/03	95141	8	45,47,50,52/02;1,6,7,8, 17,19,21,23,25,29,37/03	96036	2	36/03
91340	3	42/03	94160	7	33,38,44,46,47,50,51, 52/02;9,10,12,16,17,18, 19,28,31,41,42/03	95142	9	50,52/02;8,10,19,23, 29/03	96039	7	23,44/03
92006	5	45,46/02;5/03	94164	2	46,50,51/02;12,16,19,41, 42,43/03	95143	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,23,24,25,27,28,30, 36/03	96041	11	39,44,45/03
92025	3	42/03	94165	4	50/02;18,24,43/03	95144	9	38,41,46,48,50,52/02;1,6, 8,9,10,11,13,16,21,23,24, 35,37/03	96042	11	10,21,39,40,44,45/03
92030	4	42/03	94180	9	42,44,47,50,51/02;23,28, 44/03	95145	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,23,24,25,29,37/03	96044	10	23,38/03
92033	5	45/02	94184	2	N51/02	95146	14	36,38,39,40,41,44,46,47, 48,50,52/02;1,8,9,16,21, 23,24,31,32,35,37,48/03	96120	6	21/03
92150	3	43/03	94187	3	14,23,36,45,46/03	95147	13	39,41,44,45,46,47,48, 49/02;1,5,9,19,23,25,28, 29,31,32,35,36/03	96340	4	45/03
92160	3	43/03	94188	2	44,46,47,51/02;8,28/03	95149	9	34,36,37,38,41,43,48,49, 52/02;8,9,19,24,25,27,30, 32,35/03	96379	1	10/03
92170	3	43/03	94201	1	51/02;24,28/03	95150	17	34,36,37,38,40,41,44,46,47, 48,50,52/02;1,8,9,16,21, 23,24,31,32,35,37,48/03	96381	2	10/03
92290	2	19/03	94203	10	41,42,44,46,47,52/02;10, 11,24,41,42/03	95151	17	34,36,37,38,40,41,44,46,47, 48,50,52/02;1,8,9,16,21, 23,24,31,32,35,37,48/03	96382	2	10,12,21/03
92296	3	19/03	94206	3	41,42,44,47,52/02;11,19, 44/03	95152	5	10,12,21/03			
92410	3	42/03	94207	5	N42,N44,N47,N52/02; N11,N19/03	95153	2	34,36,37,38,43/02;19,25, 32/03	96400	4	12/03
93006	2	39,45/02;4,8,10,43,44, 48/03	94208	6	N44/02	95154	9	38,41,44,46,48,50,52/02;1,6, 8,9,10,11,13,16,21,23,24, 35,37/03	96441	1	41/02;10/03
93010	6	38,40,41/02;2,13,14,18, 24/03	94210	6	45/02;10,17,42,44,47/03	95155	9	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,23,24,25,27,28,30, 36/03	96480	3	41/02
93018	8	1,14,18,24/03	94212	4	50/02;18,24,43/03	95156	11	41,42,44,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,23,24,25,27,28,30, 36/03	96500	6	41/02;10,39/03
93025	5	45/02;45/03	94215	4	51/02;24,28/03	95157	14	41,42,44,47,49,50/02;1,6,8,9, 10,17,19,23,25,27,30, 32,35/03	96520	7	10/03
93030	6	45/02	94217	4	6/03	95158	13	41,42,44,45,46,47,48, 49/02;1,5,9,19,23,25,28, 29,31,32,35,36/03	96521	3	21/03
93032	3	45/02;24/03	94218	3	36/02;6,18/03	95159	17	41,42,44,47,49,50/02;1,6,8,9, 10,17,19,23,25,27,30, 32,35/03	96540	5	10/03
93043	1	45/02	94219	1	47/02;46/03	95160	13	41,42,44,47,49,50/02;1,6,8,9, 10,17,19,21,24,25,27,33, 36,40/03	96560	5	10/03
93046	1	45/02;5/03	94220	4	41,42,47,49/02;8,10,11, 17,18,33,42,44,47/03	95161	16	40,45,48,50/02;1,5,6,8,9, 10,17,19,23,25,27,30, 37/03	96580	3	10/03
93047	2	45,49/02;24/03	94260	5	49/02;1,6,11,31/03	95162	2	40,44,47,47/02;10,14,19,30, 35/03	96600	4	41/02
93048	1	35,49/02;5,14,33/03	94280	5	51/02;15,32/03	95163	2	1,6,9,10,13,14,17,21/03	96601	3	7/03
93049	1	45/02;4/03	94281	6	6,42/03	95164	4	43,48/02;1,6,9,27/03	96602	2	45/02
93061	4	45/02	94282	9	46/02;8/03	95165	10	44/02;1,6,9,11,14,17, 21/03	96604	3	34/03*
93101	2	N34,N38/02;N2/03	94283	7	46/02;8,12,32/03	95166	16	40,45,48,50/02;1,5,6,8,9, 10,17,19,23,25,27,30, 37/03	96605	3	41/02
93110	2	38,40,41/02;1,2/03	94290	2	1,7,31/03	95167	10	44/02;1,6,9,11,14,17, 21/03	96606	3	41/02
93115	2	40,41/02	94322	14	8,47/03	95168	2	44,45,47,48,49,50/02;1,6,8,9, 10,17,19,21,24,25,27,33, 36,40/03	96607	3	17/03
93117	2	40,41/02	94360	6	43/02;6,13/03	95169	2	44,45,52/02;1,6,8,9, 11,17,19,21,24,25,27,33, 36,40/03	96608	3	43/03*
93118	4	34/02;1,14,24,47/03	94361	13	13,15/03	95170	1	44,46,47,48,49,50/02;1,6,8,9, 10,17,19,23,28,29,30,37/03	96609	3	41/02
93160	4	34/02;1,14,24,47/03	94363	4	43/02;16,18,29/03	95171	2	1,6,9,10,13,14,17,21/03	96610	1	10/03
93180	7	34/02;47/03	94365	4	N5,N6,N18/03	95172	1	1,6,9,10,13,14,17,21/03	96611	2	40/02
93220	6	34/02;47/03	94380	3	5/03	95173	1	50,52/02;1,28/03	96612	3	17,40/03
93240	11	34/02;16,24,47/03	94420	3	39/02;4,8,11,13,14,23,42, 44,47/03	95174	1	50,52/02;12,27/03	97005	9	47/03
93241	9	8,16,25/03	94421	10	45/02;4/03	95175	2	8,11,30,35/03	97021	7	40/03
93244	6	42/02	94423	12	45/02;11/03	95176	2	41,50,52/02;9/03	97029	3	40/03
93245	7	16/03	94440	2	46/02;18/03	95177	1	41,50,52/02;1,28/03	97040	5	43,47/02
93260	8	16,24/03	94440	2	46/02;8,12,32/03	95178	1	1,9,21,32/03	97041	9	45,47/02;10,12,22/03
93261	5	7,47/03	94440	2	1,7,31/03	95179	1	1,9,21,32/03	97042	7	14,20/03
93280	4	18/03	94440	14	8,47/03	95180	11	40,42,44,44,49/02;1,6,9,10, 21,23/03	97043	2	14,20/03
93360	5	38/02	94440	6	43/02;6,13/03	95181	2	40,44,44,49/02;10,35/03	97060	8	46/02;12,14,22,26/03
93520	13	45/02;15/03	94440	13	13,15/03	95182	6	23/03	97061	3	52/02
93610	3	44,45/02;6/03	94440	11	43,44,47,48,49,50/02; 1,5,6,17,19,21,23,25,27, 31,33,33,37/03	95183	2	40,44,44,49/02;10,35/03	97062	12	44/02;6,10,22,26,34, 35/03
93650	2	44,45/02;6,24,28/03	94440	11	43,44,47,48,49,50/02; 1,5,6,17,19,21,23,25,27, 31,33,33,37/03	95184	2	40,44,44,49/02;10,35/03	97063	2	48/03*
93652	2	3,6,24/03	94440	8	45,47/02;24/03	95185	2	40,44,44,49/02;10,35/03	97064	2	6,14,33,45/03
93680	3	45,47/02;24/03	94440	8	45,47/02;24/03	95186	2	40,44,44,49/02;10,35/03	97065	2	48/03*
93698	3	45/02;28/03	94440	10	45/02;4/03	95187	2	40,44,44,49/02;10,35/03	97066	5	16,22,26/03
93710	3	6,15,43/03	94440	12	45/02;11/03	95188	2	40,44,44,49/02;10,35/03	97067	5	16,22,26/03
93720	10	39,45,50/02;8,15,17,20, 24,28,42,43,44,48/03	94440	2	46/02;18/03	95189	2	40,44,44,49/02;10,35/03	97068	5	16,22,26/03
93721	5	39,42,45,50/02;4,11,17, 20,23,25,40,41,43,44,45, 46,48/03	94501	7	40/02;11/03	95190	1	40,44,44,49/02;11,16,23/03	97069	5	16,22,26/03
93725	6	45/02;24/03	94501	8	40/02;11/03	95191	1	40,44,44,49/02;11,16,23/03	97070	5	16,22,26/03
93726	4	48/02;8,12,17,45/03	94501	7	40/02;11/03	95192	1	40,44,44,49/02;11,16,23/03	97071	7	14,20/03
93730	3	39,40,42,45,47,50/02;2,4, 17,24,28,31,41,42,43,46, 47,48/03	94506	13	41,44,46/02;1,5,10,17,23, 28,37/03	95193	7	40,44,44,49/02;11,16,23/03	97072	7	14,20/03
93733	13	39,45/02;4,19,20,25,40, 41,44,45,47,48/03	94506	1	41,42,45,47,48,49,50/02; 1,5,6,17,19,21,23,25,27, 31,33,33,37/03	95194	7	40,44,44,49/02;11,16,23/03	97073	7	14,20/03
93734	11	45/02;4,19,20,25,40/03	94506	13	41,44,46/02;1,5,10,17,23, 28,37/03	95195					

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 48/03

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.
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97145	1	43/02;8,9,25,40,45,47/03	97246	7	43,52/02;5/03	800744	1	N49/02;N5,N12,N13, N16,N36,N47/03
97146	10	44/02*,15,39/03	97251	4	6,10,17,36/03	801217	1	N6,N8,N19,N20,N22, N33,N37/03
97148	9	45/02;9,27/03	97261	15	41/02;1,5,7,18,21,26, 44/03	801885	3	N34/03
97149	20	34,35,44,45/02;1,16, 25/03	97262	10	34/02;1,5,6,7,15,21,26, 33,46/03	801902	9	N25,N31/03
97150	13	34,39,43,44/02;20,27, 42/03	97263	10	5,7,9,15,18,21,46/03	801953	1	N39/03
97151	16	35,44,45/02;12,13,14,16, 20,25/03	97266	5	37,41/02;1,5,6,7,14,15, 18,26,42/03	802202	8	N35/02;N1,N7/03
97152	8	37/02;20/03	97267	16	40,41/02;1,5,6,8,10,13, 18,26,27,42/03	804059	2	N43/03
97153	7	16,20/03	97268	10	6/03	804567	4	N31/03
97154	2	36/02	97269	11	45/02;8,13,18,27/03	805118	3	N12,N36/03
97155	14	35,36,37,39,40,48/02;12, 13,18,20,28/03	97270	6	36,44/02;1,5/03	805647	2	N37,N51/02;N30/03
97156	6	37/02;1,14/03	97271	12	37,39/02;6,10,12,26,35, 41,44/03	806927	8	N25,N30,N39/03
97157	2	40/03*	97272	11	52/02;6,10,12,14,23,37, 47/03	807370	5	N17,N25,N30,N31, N39/03
97158	4	25/03	97273	11	34/03*	807861	2	N22/03
97159	6	33,39/02;7,14,16,44, 46/03	97274	19	34,39,45/02;6,9,15,17,18, 23,37,47/03	808365	2	N14/03
97163	14	14,36/03	97276	1	40/02;9/03	809055	7	N16/03
97164	1	7,14,16/03	97277	11	1,5,6,8,9,14,35,39/03	809310	9	N39/02
97165	1	7,16/03	97278	11	39/02;1,20,35,39/03	809679	2	N50/02;N12,N27/03
97166	1	33/02;21,46/03	97279	9	9,27/03			
97167	2	33/02;21/03	97280	4	52/02			
97180	6	34,39,43,45,46,48/02;4,8, 13,20,22,26,44/03	97281	2	41/02			
97181	20	34,46,48/02;1,4,7,8,12, 13,14,17,18,20,22,23,26, 27,35,44,46/03	97283	3	45/02;9/03			
97182	13	34,39,46,48/02;1,4,5,6,7, 8,12,14,17,18,20,21,22, 23,27,35,46/03	97285	6	34,42/02;7,13,17,36/03			
97183	9	44/02;5,9,14,16,18,22,26, 43,44/03	97286	6	34,35,36,41,42/02;6,8,10, 13,17,35,36,38/03			
97184	15	47/02;1,7,12,14,18,22,39, 44/03	97287	5	34/02;20/03			
97185	2	43/02;1,7,46/03	97300	6	1,13,25,26/03			
97187	3	44,48/02;9,18/03	97303	3	47,48/02;45/03			
97188	2	1,7,13,17,20,22,27,35/03	97320	6	33/02;14,25,46/03			
97189	2	44/02;9,14,18,22,39, 43/03	97340	8	33,38,52/02;16,17,18,22, 36,46,47/03			
97190	2	34,39,52/02;8,13/03	97341	9	34/02;16,21,47/03			
97200	9	52/02;8,16,17,22,25,26, 29/03	97342	14	38/02;17,18,22,27,43/03			
97201	7	18,28/03	97343	12	38/02;17,25/03			
97202	15	43,44,52/02;20,25/03	97360	6	38/02;5,7,13,18,27,43,45, 47/03			
97204	9	45,52/02;4,6,10,19,20,25, 33,43,45,47/03	97380	7	39,47,52/02;1,2,8,16,23, 38,40,45/03			
97205	3	18,28/03	97381	7	7,13,27,43,45/03			
97206	2	23/03	97382	2	41,45/02;4,42/03			
97218	3	41/02;6,33/03	97383	16	5,7,13,42,46,47/03			
97219	4	6,9,13,20,23,25,47/03	97384	4	47/02;19/03			
97220	3	37,39,42,43,44/02;6,8,9, 17,18,23,29,33,46/03	97385	10	52/02;5,6,7,9,46,47/03			
97221	20	37,39,42,44,45,49,52/02; 6,8,9,10,13,17,18,19,20, 22,23,25,26,29,33,46/03	97387	2	4,5,7,42,46/03			
97222	12	47/02;10,22,29/03	97389	2	45*,47/03			
97223	3	42,44,48/02;16,17,22,23, 46/03	97390	5	39,40/02;2,5,12,16,36/03			
97224	6	46,47,49/02;45/03	97391	26	6,7,12,16/03			
97225	31	37,39,42,44,45/02;6,8,9, 10,17,18,19,23,25,33,45, 46/03	97392	5	1,21,23,26,33,38/03			
97226	7	18,41/03	97396	14	36,39,40/02;2,16,17,23, 33,38/03			
97227	11	42,43/02;9,18,30,34/03	97397	7	39,49/02;16,26,44/03			
97228	15	39,40,42,43/02;5,6,9,15, 17,18,20,21,22,27,29, 35/03	97398	4	43/03*			
97229	12	36,39,47/02;6,8,9,18,28, 33/03	97400	4	34*,44/03			
97230	18	36,52/02;6,9,28,33/03	97410	8	17,19,45/03			
97231	11	41/02;6,23,33/03	97412	7	40/02;47/03			
97232	8	22,25,33/03	97420	17	34,39,42,47,52/02;1,8,10, 33,38,40,45/03			
97233	11	33,43,44,49/02;1,5,6,9, 15,16,23,33,35/03	97421	13	35,36/02;1,10,13,20,26, 36/03			
97234	17	43,47,49/02;1,6,8,9,16, 41/03	97423	2	35,36/02;1,13,20,26, 36/03			
97236	20	47/02;9,16,23,35,41/03	97425	6	34,39,47,52/02;1,6,8,10, 45/03			
97237	6	41/03	97440	8	52/02;1,16,19,27,43, 47/03			
97239	10	33/02;1,5,9,16,23/03	97441	5	46/02;47/03			
97241	6	10/03	97443	6	15,19,25,47/03			
97243	8	33,48/02;1,5,6,21,27, 33/03	97460	7	40/02;5,19,21,47/03			
97244	5	9/03	97461	9	5,8,19,21,22,23,26/03			
			97465	9	1,6,8,19,20,22,33,37/03			
			97466	2	46/02;1,23,27/03			
			97469	10	1,6,8,19,20,22,33,37/03			
			97471	5	N22,N33/03			
			97472	8	34/02;33/03			
			97474	7	22/03			
			97480	7	35,52/02;3,9,10,17,18, 21/03			
			97481	6	47,49/02;9,18,20/03			
			97483	7	48,52/02;20/03			
			97521	6	42/02;16,18,20/03			

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NM 48/03

NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
REGION 1								
11BHA11302 (7642014010202)	Stover Point to Port Brownsville including Brazos Santiago Pass	40,000	<u>30</u>	<u>9/03</u>	NOS	1-94	48/03	
11AHA11309 (7642014010115)	Corpus Christi Bay	40,000	<u>37</u>	<u>9/03</u>	NOS	1-94	48/03	
11XHA11315 (7642014010221)	Espirito Santo Bay to Carlos Bay including San Antonio Bay and Victoria Barge Canal	40,000	<u>31</u>	<u>9/03</u>	NOS	1-94	48/03	
11AHA11329 (7642014010124)	Houston Ship Channel-Alexander Island to Carpenter Bayou	10,000	<u>35</u>	<u>9/03</u>	NOS	1-94	48/03	
	Continuation: San Jacinto and Old Rivers	25,000						
11AHA11343 (7642014010127)	Sabine and Neches Rivers	40,000	<u>37</u>	<u>9/03</u>	NOS	1-94	48/03	
11BHA11373 (7642014010203)	Mississippi Sound and Approaches (LORAN-C)	80,000	<u>43</u>	<u>9/03</u>	NOS	1-94	48/03	
11AHA11376 (7642014010131)	Mobile Bay (LORAN-C)	80,000	<u>49</u>	<u>9/03</u>	NOS	1-94	48/03	
	Inset: Mobile Ship Channel-Northern End	25,000						
12AHA12221 (7642014010300)	Chesapeake Bay Entrance (LORAN-C)	80,000	<u>75</u>	<u>9/03</u>	NOS	1-94	48/03	
12XHA12237 (7642014010364)	Rappahannock River-Corrotoman River to Fredericksburg		<u>27</u>	<u>9/03</u>	NOS	1-94	48/03	
	Sides: A. Corrotoman River to Blandfield Point B. Blandfield Point to Fredericksburg (Side B not shown on index)	40,000 20,000						
12AHA12256 (7642014010320)	Thimble Shoal Channel	20,000	<u>14</u>	<u>10/03</u>	NOS	1-94	48/03	
12AHA12327 (7642014010330)	New York Harbor	40,000	<u>97</u>	<u>9/03</u>	NOS	1-95	48/03	
16XHA16603 (7642014011368)	<u>Kukak Bay</u>	30,000	<u>8</u>	<u>9/03</u>	NOS	1-62,97	48/03	
17XHA17372 (7642014011448)	<u>Keku Strait</u>	20,000	<u>11</u>	<u>9/03</u>	NOS	1-74,98	48/03	
	<u>Insets: The Summit</u> <u>Devils Elbow</u>	10,000 10,000						
18AHA18649 (7642014011526)	Entrance to San Francisco Bay	40,000	<u>63</u>	<u>9/03</u>	NOS	1-98	48/03	
REGION 2								
26XNR26310 (7642015086755)	Fleet Operating Areas-Andros Island AUTEC Site <u>24 09N 78 14W</u> <u>25 52N 77 02W</u>	150,000	1	<u>7/03</u>	DS	2-50,53, 64	48/03	
REGION 5								
54BHA54181 (7642014006208)	Rijeka including Uvala Martinscica	10,000	<u>7</u>	<u>8/03</u>	A	5-43	48/03	
REGION 9								
97XHA97063 (7642014014396)	Ofunato Ko and Kesenuma Ko	10,000	<u>2</u>	<u>8/03</u>	A	9-43	48/03	
97XHA97065 (7642014014828)	Approaches to Onagawa Ko	20,000	<u>2</u>	<u>9/03</u>	A	9-43	48/03	
	Plan: Onagawa Ko (Plan not shown on index)	5,000						

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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				
WOXZP5161 (7642014015224)	MISCELLANEOUS CHARTS AND PUBLICATIONS Plotting Sheet - Newport to Bermuda, Scale 1:1,058,400 (LORAN-C)		<u>13</u>	<u>10/03</u>	NOS	10-40	48/03	

Price Categories effective 1 October 2002

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

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

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

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

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

SECTION II
NAVIGATION PUBLICATIONS

NM 48/03

SAILING DIRECTIONS CORRECTIONS

PUB 124 8 Ed 2001 LAST NM 44/03

Page 179—Lines 8 to 12/R; read:

Muelle Mardones, an L-shaped pier, is situated about 0.3 mile NW of Punta Arenosa. The pier has a depth of about 20m along its outer face and has a lighted beacon near the end. A designated anchorage lies about 0.7 mile NE of Muelle Mardones. The bay is very open and only protected from W winds. The holding ground in this area is reported to be poor.

(BA NP 6, Supp. 3/03) 48/03

PUB 148 7 Ed 2001 LAST NM 45/03

Page 34—Lines 3 to 10/R; read:

Anchoring is prohibited from the high water line up to a depth of 60m anywhere around Bonaire Island unless permission is granted by the harbormaster.

(US NM 38/03) 48/03

PUB 160 2 Ed 2002 LAST NM 43/03

Page 2—Line 21/R; insert after:

U. S. Embassy Angola Home Page
<http://luanda.usembassy.gov>

(NIMA) 48/03

Page 33—Line 2/L; insert after:

Cautions 33
(NIMA) 48/03

Page 33—Line 38/L; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

(NIMA) 48/03

Page 57—Line 2/L; insert after:

Cautions 57
(NIMA) 48/03

Page 57—Line 25/L; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)
Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.
(NIMA) 48/03

Page 59—Line 2/L; insert after:

Cautions 59
(NIMA) 48/03

Page 59—Line 3/R; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)
Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.
(NIMA) 48/03

Page 65—Line 2/L; insert after:

Cautions 65
(NIMA) 48/03

Page 65—Line 26/L; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.
(NIMA) 48/03

Page 80—Line 33/R; insert after:

U. S. Embassy Guyana Home Page
<http://georgetown.usembassy.gov>

(NIMA) 48/03

Page 107—Line 2/L; insert after:

Cautions 107
(NIMA) 48/03

Page 107—Line 3/R; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)

Information on Special Warning 121 can be found in Iraq—Cautions.

PUB 160 (Continued)**Special Warning 115 (Issued 5 March 2001)**

Information on Special Warning 115 can be found in Iraq—Cautions.

Special Warning 114 (Issued 5 February 2001)

1. Mariners are advised to exercise caution when transiting the waters of the north Persian Gulf.

2. Iranian-flag speedboats and patrol craft operating in Iranian and international waters have boarded vessels and demanded payment before the vessels are allowed to proceed.

3. Mariners should exercise caution and vigilance when operating in this area, and should obtain and evaluate current warning information broadcasted by the National Imagery and Mapping Agency (NIMA) via HYDROPAC broadcasts. U.S. citizens may also wish to refer to the State Department's Travel Warnings for Iran.

4. Any anti-shipping activity should be reported to NIMA NAVSAFETY BETHESDA MD or NAVSAFETY@NIMA.MIL via Ship Hostile Action Report (SHAR) procedures (See NIMA Pub 117—Chapter 4), or directly to the U.S. State Department, or nearest U.S. Embassy or U.S. Consulate.

5. The publication of this notice is solely for the purpose of advising U.S. mariners of information relevant to navigational safety, and in no way constitutes a legal recognition by the United States of the validity of any foreign rule, regulation, or proclamation so published.

(NIMA) 48/03

Page 109—Line 2/L; insert after:

Cautions 109
(NIMA) 48/03

Page 109—Line 3/R; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)

1. Coalition naval forces may conduct military operations in the Eastern Mediterranean Sea, Red Sea, Gulf of Aden, Arabian Sea, Gulf of Oman, and Arabian Gulf. The timely and accurate identification of all vessels and aircraft in these areas are critical to avoid inadvertent use of force.

2. All vessels are advised that coalition naval forces are prepared to exercise appropriate measures in self-defense to ensure their safety in the event they are approached by vessels or aircraft. Coalition forces are prepared to respond decisively to any hostile acts or indications of hostile intent. All maritime vessels or activities that are determined to be threats to Coalition naval forces will be subject to defensive measures, including boarding, seizure, disabling, or destruction, without regard to registry or location. Consequently, surface vessels, subsurface vessels, and all aircraft approaching Coalition naval forces are advised to maintain radio contact on bridge-to-bridge channel 16, international air distress (121.5 MHz VHF), or military air distress (243 MHz UHF).

3. Vessels operating in the Middle East, Eastern Mediterranean Sea, Red Sea, Gulf of Oman, Arabian Sea, and Arab-

ian Gulf are subject to query, being stopped, boarded, and searched by U.S./Coalition warships operating in support of operations against Iraq. Vessels found to be carrying contraband bound for Iraq or carrying and/or laying naval mines are subject to detention, seizure, and destruction. This notice is effective immediately and will remain in effect until further notice.

Special Warning 115 (Issued 16 February 2001)

1. In the Persian Gulf, multi-national naval units continue to conduct a maritime operation to intercept the import and export of commodities and products to/from Iraq that are prohibited by U.N. Security Council Resolutions 661 and 687.

2. Vessels transiting the Persian Gulf and the Gulf of Oman can expect to be queried and, if bound for or departing from Iraq or the Shatt-al-Arab waterway, also intercepted and boarded. Safe navigation may require vessels to be diverted to a port or anchorage prior to conducting an inspection.

3. Maritime inspection operations in the Red Sea, Strait of Tiran, and Strait of Hormuz have ceased. Cargo bound for Aqaba or transhipment from Aqaba may be inspected on shore according to an agreement worked out by the U.N. Sanctions Committee and Jordanian authorities.

4. Documentation requirements for the naval regime in the Persian Gulf and the shore-based regime in Aqaba are identical and can be found in the most recent HYDROPACS covering the enforcement of sanctions against Iraq.

5. Stowage and other requirements for vessels transiting the Persian Gulf can also be found in the most recent HYDROPACS covering the enforcement of sanctions against Iraq.

6. Ships which, after being intercepted, are determined to be in violation of U.N. Security Council Resolution 661 will not be allowed to proceed with their planned transit.

7. The intercepting ship may use all available communications, primarily VHF channel 16, but including International Code of Signals, flag hoists, other radio equipment, signal lamps, loudspeakers, bow shots, and other appropriate means to communicate directions to a ship.

8. Failure of a ship to proceed as directed will result in the use of the minimum level of force necessary to ensure compliance.

9. Any ships, including waterborne craft and armed merchant ships, or aircraft, which threaten or interfere with multi-national forces engage in enforcing a maritime interception may be considered hostile.

Note.—Information concerning U.N. sanctions against Iraq can be found under Regulations—Iraq Embargo.

(NIMA) 48/03

Page 113—Line 2/L; insert after:

Cautions 113
(NIMA) 48/03

PUB 160 (Continued)

Page 113—Line 14/R; insert after:

Cautions**Special Warning 121 (Issued 20 March 2003)**

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

(NIMA)

48/03

Page 119—Line 2/L; insert after:

Cautions

(NIMA)

119
48/03

Page 119—Line 24/L; insert after:

Cautions**Special Warning 121 (Issued 20 March 2003)**

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

(NIMA)

48/03

Page 120—Bottom table; replace with below:

U. S. Embassy Jordan Home Page
http://amman.usembassy.gov

(NIMA)

48/03

Page 122—Bottom table; replace with below:

U. S. Embassy Kenya Home Page
http://nairobi.usembassy.gov

(NIMA)

48/03

Page 123—Line 2/L; insert after:

Cautions

(NIMA)

123
48/03

Page 123—Line 24/L; insert after:

Cautions**Special Warning 121 (Issued 20 March 2003)**

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

(NIMA)

48/03

Page 124—Bottom table; replace with below:

U. S. Embassy Kuwait Home Page
http://usembassy.state.gov/kuwait

(NIMA)

48/03

Page 138—Lines 23 to 26/R; read:

Time (BRAVO (-2)) is maintained from the first Sunday in September until the first Sunday in April.

(BA NP 282)

48/03

Page 143—Line 2/L; insert after:

Cautions

(NIMA)

143

48/03

Page 143—Line 3/R; insert after:

Cautions**Special Warning 121 (Issued 20 March 2003)**

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

(NIMA)

48/03

Page 147—Line 2/L; insert after:

Cautions

(NIMA)

147

48/03

Page 147—Line 3/R; insert after:

Cautions**Special Warning 121 (Issued 20 March 2003)**

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 116 (Issued 5 March 2001)

1. Mariners calling on Pakistan are advised that levels of sectarian and factional violence remain high. Karachi, the main port, continues to be affected by politically-motivated killings.

2. On March 8 1995, unknown assailants opened fire on an official U.S. Consulate shuttle in Karachi, killing two Embassy employees and wounding a third.

3. Anti-American sentiment can be provoked easily and spontaneously in response to international events that radicals misconstrue as directed against Islam. For example, the U.N. resolution on sanctions against Afghanistan resulted in sporadic anti-American protests.

4. Port facilities and vessels may offer targets of opportunity for terrorist attacks. U.S. mariners are advised to exercise heightened security awareness and prudent security precautions when in Pakistani ports and waters.

PUB 160 (Continued)**Special Warning 115 (Issued 5 March 2001)**

Information on Special Warning 115 can be found in Iraq—Cautions.

(NIMA) 48/03

Page 150—Bottom table; replace with below:

U. S. Embassy Pakistan Home Page
http://islamabad.usembassy.gov

(NIMA) 48/03

Page 153—Line 2/L; insert after:

Cautions 153
(NIMA) 48/03

Page 153—Line 23/L; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

(NIMA) 48/03

Page 157—Line 2/L; insert after:

Cautions 157
(NIMA) 48/03

Page 157—Line 28/L; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

(NIMA) 48/03

Page 159—Bottom right table; replace with below:

U. S. Embassy Saudi Arabia Home Page
http://riyadh.usembassy.gov

(NIMA) 48/03

Page 171—Line 9/R; insert after:

Special Warning 121 (Issued 20 March 2003)

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

Special Warning 111 (Issued 12 May 1999)

1. Due to continuing conditions of armed conflict in Somalia and its territorial waters, mariners are advised to avoid the port of Mogadishu and remain at least 50 nautical miles distant from the southeast Somali coast. Ships not specifically expected at the ports of Berbera and Bosaso should also avoid approaching the northern Somali coast.

2. In the past year there have been increasing reports of armed attacks on passing vessels off the coast of Somalia. Fishing vessels, freighters, and tankers have been fired upon by small speedboats with conventional weapons and rocket launchers. Ships have been hijacked, cargoes stolen, and crews held for ransom. Formerly confined to the port city of Mogadishu, the attacks have since extended into coastal waters. Recent hijackings have occurred as far as 40 miles offshore.

3. The Department of State has warned all U.S. citizens against travel to Somalia. Inter-clan and interfactional fighting can flare up with little warning, and kidnapping and other threats to foreigners can occur unpredictably in many regions. There is no national government in Somalia to offer security or police protection for travelers. While parts of the north are relatively peaceful, including much of the self-declared "Republic of Somaliland," there is no U.S. diplomatic presence in Somalia to provide up-to-date security assessments or consular assistance to U.S. citizens.

(NIMA) 48/03

Page 191—Line 2/L; insert after:

Cautions 191
(NIMA) 48/03

Page 191—Line 24/L; insert after:

Cautions

Special Warning 107 (Issued 1 December 1997)

1. Sri Lanka has announced that entrance by unauthorized vessels into the waters of Palk Strait and the eastern territorial waters of Sri Lanka is prohibited because of the increased acts of terrorism against shipping and Sri Lankan naval vessels. Sri Lanka requires that vessels in the vicinity contact the Sri Lankan Command (Tel. 941-42-30-10, Fax: 941-433-986) for authorization if they wish to enter these areas.

2. The government also has established a restrictive zone in coastal waters along the west coast from Kalptiya to Colombo Port's southern backwaters. Written permission from the Sri Lankan Command is required for entry into these waters as well. Sri Lankan authorities have advised that they will fire on violators.

3. The U.S. Embassy in Colombo reports that between July and September 1997, at least three foreign flag merchant vessels were attacked by the Liberation Tigers of Tamil Eelam (LTTE). One vessel operating as a passenger ferry off Mannar on the northeast coast was set afire and

PUB 160 (Continued)

sunk. A second vessel departing north from the Jaffna Peninsula was hijacked, stripped of equipment, and its crew temporarily held by terrorists. One crew member was killed during the hijacking. A third vessel was loading mineral cargo off the northeast coast near Pulmoddai when it was attacked and at least five members of its crew killed.

4. Any anti-shipping activity should be reported to NIMA NAVSAFETY, U.S. State Department, or the nearest U.S. Consulate. Refer to NIMA Pub. 117, Chapter 4, for instructions on filing a Ship Hostile Action Report (SHAR) or Anti-Shipping Activity Message (ASAM).

5. The publication of this notice is solely for the purpose of advising United States mariners of information relevant to navigational safety and in no way constitutes a legal recognition by the United States of the validity of any foreign rule, regulation, or proclamation so published.

(NIMA) 48/03

Page 193—Line 2/L; insert after:

Cautions 193
(NIMA) 48/03

Page 193—Line 27/L; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

Special Warning 108 (Issued 20 October 1998)

1. In January 1996, the Department of State warned all U.S. citizens against traveling to Sudan due to ongoing violence within the country. Citing the U.S. government's suspension of its diplomatic presence in Sudan, the department advised that its ability to provide emergency consular services would be severely limited. In August 1998, the State Department again warned U.S. citizens against travel to Sudan "following the recent U.S. air strikes against terrorist facilities and possible threats to Americans and American interests in that country." The latter warning (No. 98-041) remains in effect to date.

2. In November 1997, President Clinton issues Executive Order 13067 imposing a U.S. trade embargo against Sudan. Among the prohibited activities are "any transaction by a United States person relating to transportation of cargo to or from Sudan." "United States person" is defined as any U.S. citizen, permanent resident, entity organized under U.S. law, or person in the United States. The embargo is still in effect.

3. Notwithstanding the pre-existing travel warning and ongoing U.S. trade embargo, the recent U.S. missile attack on a chemical plant in Khartoum has raised concerns of possible retaliation against U.S. citizens and/or commercial interests. U.S. mariners are therefore urged to avoid Port Sudan or other Sudanese ports. U.S. vessels are also advised

to remain well clear of Sudanese territorial waters in the western Red Sea area.

(NIMA) 48/03

Page 194—Bottom tables (two); replace with below:

U. S. Embassy Egypt Home Page
<http://cairo.usembassy.gov>

U. S. Embassy Kenya Home Page
<http://nairobi.usembassy.gov>

(NIMA) 48/03

Page 203—Line 2/L; insert after:

Cautions 203
(NIMA) 48/03

Page 203—Line 28/L; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

(NIMA)

48/03

Page 209—Line 25/L; insert after:

Cautions

Special Warning 121 (Issued 20 March 2003)

Information on Special Warning 121 can be found in Iraq—Cautions.

Special Warning 115 (Issued 5 March 2001)

Information on Special Warning 115 can be found in Iraq—Cautions.

Special Warning 113 (Issued 13 October 2000)

1. The level of risk for foreigners in Yemen remains high. On 12 October 2000, several U.S. citizens were killed and many more were injured in an incident involving a U.S. Navy ship in the port of Aden, Yemen in what may have been a terrorist attack. An explosion in the morning of 13 October 2000 caused minor damage to the British Embassy in Sanaa, Yemen and no casualties. While U.S. and Yemeni officials are still cooperating closely to determine the cause of the tragic explosion, the investigation has only started. Under these circumstances, U.S. mariners should avoid Yemeni ports for the present.

2. In light of this and other recent events, the U.S. Department of State warns U.S. citizens to defer travel to Yemen. U.S. citizens should exercise a very high level of caution and should only travel between cities by air or with an armed escort. They should register with the U.S. Embassy

PUB 160 (Continued)

in Sanaa and remain in contact with the Embassy for updated security information at (97)(1)238-844 through 238-852.
 (NIMA) 48/03

Page 209—Line 25/L; insert after:

Cautions 209
 (NIMA) 48/03

Page 210—Bottom table; replace with below:

U. S. Embassy Yemen Home Page
http://usembassy.state.gov/yemen

(NIMA) 48/03

PUB 163 8 Ed 2002 LAST NM 47/03

Page 245—Lines 1 to 13/R; read:

The Kaltim Fertilizer Complex is situated in Lhotuan Harbor at the head of an inlet, 5 miles N of Bontang LNG Terminal. The loading berth, about 200m long, has a charted depth of 10m.

The channel is 0.15 mile wide, narrowing to 91m at the inner end. Depths are 22 to 30m in the outer part of the channel, reducing to about 10m at the inner end.

Three sets of range lights mark the centerline of the channel that leads to the loading dock at the fertilizer plant. The leading lighted beacons to the berth bear, as follows:

First pair	284°
Second pair	328°
Third pair	296°

A navigable channel marked by lighted buoys leads into Teluk Selangan, a small bay lying S of Bontang. The channel is marked by range lights bearing 304°.

(42(4564)03 Taunton) 48/03

PUB 172 9 Ed 2001 LAST NM 47/03

Page 170—Line 6/L; insert after:

Fujairah Port Home Page
http://www.fujairahport.com

(BA NP 286(3)) 48/03

Page 170—Lines 3 to 4/R; read:

8. ETD and next port of call.
 9. Arrival draft.
- (BA NP 286(3)) 48/03

Page 206—Lines 45 to 48/L; read:

harbormaster 72 hours and 24 hours in advance, stating the vessel's length, draft, and full details of cargo. Contact Port Control on VHF channel 16 at least 2 hours prior to arrival.

(BA NP 286(3)) 48/03

Page 207—Lines 1 to 3/R; read:
 traffic.

Pilotage.—Pilotage is compulsory and should be requested 24 hours in advance. The pilot boards in the anchorage area.

Anchorage.—Anchorage outside the inlet may be obtained, in depths of 11
 (BA NM 44/03, Section VI) 48/03

Page 207—Line 30/R; insert after:

A grain/general cargo berth, 250m long, with a dredged depth of 14m alongside, is located on the NE side of the basin. Vessels up to 120,000 dwt can be accommodated.
 (US CH 40/62406/97; Lloyd's Ports;

BA NP 63, Supp. 8/01) 48/03

Page 207—Line 36/R; read:

Pilotage.—Pilotage is compulsory and is available 24 hours. Pilots board 3 miles NW

(BA NP 286(3)) 48/03

Page 207—Lines 57-58/R; read:

15.8 Ajman (25°25'N., 55°26'E.) is located on the S side of the entrance to Khawr Ajman. Containers and general cargo are handled here.

Ajman Home Page
http://www.ajmanport.org

Depths—Limitations.—The entrance channel has been dredged (1998) to a depth of 8m.

Berth 1 through Berth 5, with a total length of 548m, have been dredged (1998) to an alongside depth of 8m. Nine other berths, with a total length of 1,654m, have a dredged depth of 5m alongside. A ro-ro berth, 150m long, has a depth alongside of 5m.

Vessels up to 20,000 dwt, with a maximum length of 170m (180m at HW) and a maximum draft of 7.6m (8.0m at HW), can normally be accommodated.

Within the bar, the channel forks into several branches, all available to local small craft. Irregular ridges of sand, shell, and dead coral, with depths of less than 10m, lie as far as 2.5 miles offshore in the vicinity of Khawr Ajman.

Aspect.—The entrance to Khawr Ajman lies between two training walls, marked by lights, and is encumbered by a bar over which the depth is variable.

A fort and several minarets are situated in Ajman. Berig al Mai, 0.5 mile SSW of the fort, is a conspicuous watchtower.

Pilotage.—Pilotage is compulsory. The pilot boards 2 to 3 miles NW of the breakwater.

Regulations.—Vessels should contact the Port Authority/Harbor Control 2 hours before arrival on VHF channel 16.

The port authority controls vessel movement on VHF channel 6.

Anchorage.—The holding ground is poor and ships should not anchor in depths of less than 20m, except in calm weather.

PUB 172 (Continued)

Caution.—Shallow water was reported to lie on the inside of the channel bends; a shoal patch of 4m was found in the inner harbor. The sea breaks heavily on the bar with an onshore swell.

(Lloyd's Ports; Fairplay) 48/03

Page 208—Lines 1 to 20/L; strike out.
(NIMA) 48/03

Page 209—Lines 37 to 42/R; read:

Pilotage is available from 0600 until 2359 although pilotage outside these hours can be arranged through the harbor-master.

Regulations.—The vessel's ETA should be sent 2 hours in advance.

Vessels are requested to maintain a listening watch on VHF channel 16 or 12 from 2 hours before the ETA until they have berthed.

(BA NP 286(3)) 48/03

Page 210—Lines 1 to 4/L; strike out.
(NIMA) 48/03

Page 212—Lines 4 to 18/L; read:

Pilotage.—Pilotage is compulsory and is available 24 hours. The pilot boards between Lighted Buoy No. Z15/Lighted Buoy No. Z16 and Lighted Buoy No. Z17/Lighted Buoy No. Z18. The pilot will board near Fairway Lighted Buoy on request only.

Regulations.—Vessels should send an ETA at Fairway Lighted Buoy to Port Control 72 hours, 48 hours, and 24 hours in advance through Bahrain (A9M). They should confirm the ETA 6 hours in advance on VHF. Vessels should then establish contact with Port Control on VHF channel 16, 2 hours before arrival. When approaching the port, vessels should contact the pilot vessel on VHF channel 67.

Vessels transiting the waters of the port are required to contact Abu Dhabi Port Control (VHF channel 16) or Addcap Base (VHF channels 11 or 13) when passing certain reporting points. See the accompanying table for details.

Abu Zaby Vessel Traffic Service	
Reporting Points	Report to
Inbound	
Before arrival	Port Control
When passing position 24°40.8'N, 54°15.0'E	Addcap Base
When passing Lighted Buoy No. Z23 and Lighted Buoy No. Z24 to enter Mina Zayed Channel	Port Control and Addcap Base
When leaving Mina Zayed Channel and entering Sea Wing Access Channel	Port Control and Addcap Base
Outbound	
Before entering Sea Wing Access Channel	Addcap Base

Before entering Mina Zayed Channel	Port Control
When leaving Sea Wing Access Channel and entering Mina Zayed Channel	Port Control and Addcap Base
When passing position 24°40.8'N, 54°15.0'E	Addcap Base

Anchorage.—An anchorage may be obtained, in a depth of (BA NP 286(3); US CH 62403) 48/03

Page 213—Line 23/R; insert after:
The facility can be contacted by e-mail, as follows:

port-captain.fateh@conocophillips.com

(BA NP 286(3)) 48/03

Page 214—Lines 10 to 15/L; read:
be well-advised, particularly on the first visit. Pilots board, as follows:

1. Near Lighted Buoy No. 5.
2. For tankers waiting in the anchorage area—2.5 miles off Lighted Buoy No. 7.
3. For vessels mooring at the SBM—in the anchorage area or near Lighted Buoy No. 17.

Regulations.—Vessels should send their ETA 7 days, 72 hours, 48 hours, and 24 hours in advance. The 72-hour message

(BA NP 286(3)) 48/03

Page 215—Line 31/L; read:

The service harbor for Zirkuh Petroleum Port (see paragraph 15.26) is located on the E side of the island. It consists of a causeway extending about 0.5 mile SE of the E extremity of

(BA NP 286(3); US CH 62408) 48/03

Page 215—Line 41/L; insert after:

Regulations.—The ETA should be sent 48 hours prior to arrival; changes to the ETA of over 6 hours should be reported immediately. A confirmation of the ETA should also be sent a few hours prior to arrival on VHF channel 16 or 64.

Vessels should maintain a continuous listening watch on VHF channels 15, 16, and 64.

(BA NP 286(3)) 48/03

Page 215—Lines 45 to 46/L; read:

Caution.—Local authorities should be consulted
(NIMA) 48/03

Page 215—Lines 26 to 37/R; read:

should send their ETA 96 hours in advance. The ETA should be confirmed 48 hours and 24 hours in advance.

Vessels should contact the terminal 3 hours prior to arrival.

(BA NP 286(3)) 48/03

SECTION II

NM 48/03

PUB 172 (Continued)

Page 215—Line 42/R; read: channel 16 and on other channels as requested by the terminal. (BA NP 286(3))	48/03	Page 66—Line 1/L; insert after: Maritime Territorial Claims The maritime territorial claims of Greenland are, as follows:	
Page 217—Lines 22 to 23/L; read: boards in the Outer Anchorage Area, 1 mile W of Ghasha Lighted Buoy.		Territorial Sea	3 miles.
Regulations. —Vessels intending to call at the port shall inform (US NM 6/62404/03)	48/03	Fisheries or Economic Zone	200 miles.
Page 217—Line 34/L; read: Vessels should maintain a continuous (NIMA)	48/03	Continental Shelf	200 miles or the Limit of Exploitation. (NIMA)
Page 218—Line 13/L; insert after: Deep draft vessels intending to use the buoyed channel must inform Das Marine of their intentions. (BA NP 286(3))	48/03	Page 66—Line 17/L; insert after: Pilotage	48/03

Page 218—Line 13/L; insert after: Deep draft vessels intending to use the buoyed channel must inform Das Marine of their intentions. (BA NP 286(3))	48/03	Pilotage in Greenland is not compulsory but is advisable. There is no official pilotage but the port authority of each port will assist when required. (BA NP 286(3))	48/03
PUB 180 3 Ed 2002 LAST NM 47/03		Page 71—Line 11/L; insert after: Navigational Information	76

Page 51—Line 36/L; insert after: Maritime Territorial Claims		Navigational Information	76
The maritime territorial claims of Canada are, as follows:		(NIMA)	48/03

Territorial Sea *	12 miles.
Contiguous Zone	24 miles.
Fisheries or Economic Zone	200 miles.
Continental Shelf	200 miles or the Continental Margin.
* All waters between Canadian islands in the Arctic are claimed as internal waters. Hudson Bay is claimed as historic waters (NIMA)	48/03

Page 59—Line 13/L; insert after: Pilotage	66
(NIMA)	48/03

Page 62—Lines 21 to 23/L; read: Telephone: +299 665247 (from 0800-1200 and 1300-1600 LT) +299 665244 (for emergencies (BA NP 286(3))	48/03
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Territorial Sea	12 miles.
Fisheries or Economic Zone	200 miles.
Continental Shelf	200 miles or the Continental Margin. (NIMA)
	48/03

Page 77—Lines 16 to 17/L; read: to land or load at other places.

Vessel Reporting System

All vessels enroute to a port in Iceland must report to the Icelandic Coast Guard (ICG) at least 24 hours before entering port. Fishing vessels should report their position 6 hours before entering the Icelandic Exclusive Economic Zone (EZ) and every 12 hours while inside the IEZ. The information required in the report is given in the accompanying table. Reports can be sent to the ICG, as follows:

1. E-mail:
 - sar@Ihg.is
 - vms@Ihg.is
2. INMARSAT-C (+581 425101519)
3. Coast radio stations

PUB 180 (Continued)

Note.—Telefax transmissions of the required information to the ICG will not be accepted.

Iceland Reporting System Message Format	
Line	Description
A	Vessel name, IMO registration number, and call sign
B	Nationality
C	Vessel type
D	Date of transmission—6 digits—day of month (2 digits), month (2 digits), and year (2 digits))
E	Time of transmission in UT(GMT) (4 digits—hour (2 digits) and minutes (2 digits))
F	Current position—latitude (4 digits followed by N) and longitude (5 digits followed by E/W)
G	Last port of call
H	Destination (port in Iceland)
I	ETA at first port in Iceland (date and time as expressed in D and E)
J	Other ports of call in Iceland
K	Port of departure in Iceland
L	ETD from last port in Iceland (date and time as expressed in D and E)
M	Destination after Iceland
N	Agent in Iceland
O	Crew/passenger list in this order: 1. Nationality 2. Last name 3. First name 4. Date of birth 5. Sex 6. Passport number 7. Rank (if crew member)
P *	Total catch on board, by type
Q *	Estimated date, time, and position when sailing into the IEZ
R *	Former fishing area
S *	Services needed in Iceland
T *	All vessels shall confirm departure time at least 6 hours before leaving last port in Iceland
* Fishing vessels only	

Routes

(BA NP 281(1))

48/03

Page 81—Line 11/L; insert after:

Navigational Information

85

(NIMA)

48/03

Page 85—Line 7/R; insert after:

Navigational Information

The maritime territorial claims of Norway are, as follows:

Territorial Sea	4 miles.
Contiguous Zone	10 miles.
Fisheries or Economic Zone	200 miles.
Continental Shelf	200 miles or the continental margin.
(NIMA)	48/03

Page 101—Line 9/R; insert after:

Maritime Territorial Claims

The maritime territorial claims of Russia are, as follows:

Territorial Sea	12 miles.
Fisheries or Economic Zone	200 miles.
Continental Shelf	Depth of 200m or the Limit of Exploitation.
(NIMA)	48/03

COAST PILOT CORRECTIONS**COAST PILOT 1****33 Ed 2003****Change No. 20
LAST NM 46/03**Page 107—Paragraph 1304, line 2; read:
operating procedures are set forth in Part 161 of this chapter.**§164.46 Automatic Identification System (AIS).**

(a) The following vessels must have a properly installed, operational, type approved AIS as of the date specified:

(1) Self-propelled vessels of 65 feet or more in length, other than passenger and fishing vessels, in commercial service and on an international voyage, not later than December 31, 2004.

(2) Notwithstanding paragraph (a)(1) of this section, the following, self-propelled vessels, that are on an international voyage must also comply with SOLAS, as amended, Chapter V, regulation 19.2.1.6, 19.2.4, and 19.2.3.5 or 19.2.5.1 as appropriate (Incorporated by reference, see §164.03):

(i) Passenger vessels, of 150 gross tonnage or more, not later than July 1, 2003;

(ii) Tankers, regardless of tonnage, not later than the first safety survey for safety equipment on or after July 1, 2003;

(iii) Vessels, other than passenger vessels or tankers, of 50,000 gross tonnage or more, not later than July 1,

COAST PILOT 1 (Continued)

2004; and

(iv) Vessels, other than passenger vessels or tankers, of 300 gross tonnage or more than 50,000 gross tonnage, not later than the first safety survey for safety equipment on or after July 1, 2004, but no later than December 31, 2004.

(3) Notwithstanding paragraphs (a)(1) and (a)(2) of this section, the following vessels, when navigating an area denoted in table 161.12(c) of §161.12 of this chapter, not later than December 31, 2004:

(i) Self-propelled vessels of 65 feet or more in length, other than fishing vessel and passenger vessels certificated to carry less than 151 passengers-for-hire, in commercial service;

(ii) Towing vessels of 26 feet or more in length and more than 600 horsepower, in commercial service;

(iii) Passenger vessels certificated to carry more than 150 passengers-for-hire.

Note to §164.46(a): “Properly installed” refers to an installation using the guidelines set forth in IMO SN/Circ. 227 (incorporated by reference, see §164.03). Not all AIS units are able to broadcast position, course, and speed without the input of an external positioning device (e.g. dGPS); the use of other external devices (e.g. transmitting heading device, gyro, rate of turn indicator) is highly recommended, however, not required except as stated in §164.46(a)(2). “Type approved” refers to an approval by an IMO recognized Administration as to comply with IMO Resolution MSC.74(69), ITU-R Recommendation M.1371-1, and IEC 61993-2 (Incorporated by reference, see §164.03). “Length” refers to “registered length” as defined in 46 CFR part 69. “Gross tonnage” refers to tonnage as defined under the International Convention on Tonnage Measurement of Ships, 1969.

(b) The requirements for Vessel Bridge-to-Bridge radio-telephones in §§26.04(a) and (c), 26.05, 26.06 and 26.07 of this chapter, also apply to AIS. The term “effective operating condition” used in §26.06 of this chapter includes accurate input and upkeep of AIS data fields.

(c) The use of a portable AIS is permissible only to the extent that electromagnetic interference does not affect the proper function of existing navigation and communication equipment on board and such that only one AIS unit may be in operation at any one time.

(d) The AIS Pilot Plug, on each vessel over 1,600 gross tons, on an international voyage, must be available for pilot use, easily accessible from the primary conning position of the vessel, and near a 120 Volt, AC power, 3-prong receptacle.

(FR 10/22/03)

48/03

**COAST PILOT 3 36 Ed 2003 Change No. 19
LAST NM 46/03**

Page 109—Paragraph 1482, line 2; read:
operating procedures are set forth in Part 161 of this chapter.

§164.46 Automatic Identification System (AIS).

(a) The following vessels must have a properly installed, operational, type approved AIS as of the date specified:

(1) Self-propelled vessels of 65 feet or more in length,

other than passenger and fishing vessels, in commercial service and on an international voyage, not later than December 31, 2004.

(2) Notwithstanding paragraph (a)(1) of this section, the following, self-propelled vessels, that are on an international voyage must also comply with SOLAS, as amended, Chapter V, regulation 19.2.1.6, 19.2.4, and 19.2.3.5 or 19.2.5.1 as appropriate (Incorporated by reference, see §164.03):

(i) Passenger vessels, of 150 gross tonnage or more, not later than July 1, 2003;

(ii) Tankers, regardless of tonnage, not later than the first safety survey for safety equipment on or after July 1, 2003;

(iii) Vessels, other than passenger vessels or tankers, of 50,000 gross tonnage or more, not later than July 1, 2004; and

(iv) Vessels, other than passenger vessels or tankers, of 300 gross tonnage or more than 50,000 gross tonnage, not later than the first safety survey for safety equipment on or after July 1, 2004, but no later than December 31, 2004.

(3) Notwithstanding paragraphs (a)(1) and (a)(2) of this section, the following vessels, when navigating an area denoted in table 161.12(c) of §161.12 of this chapter, not later than December 31, 2004:

(i) Self-propelled vessels of 65 feet or more in length, other than fishing vessel and passenger vessels certificated to carry less than 151 passengers-for-hire, in commercial service;

(ii) Towing vessels of 26 feet or more in length and more than 600 horsepower, in commercial service;

(iii) Passenger vessels certificated to carry more than 150 passengers-for-hire.

Note to §164.46(a): “Properly installed” refers to an installation using the guidelines set forth in IMO SN/Circ. 227 (incorporated by reference, see §164.03). Not all AIS units are able to broadcast position, course, and speed without the input of an external positioning device (e.g. dGPS); the use of other external devices (e.g. transmitting heading device, gyro, rate of turn indicator) is highly recommended, however, not required except as stated in §164.46(a)(2). “Type approved” refers to an approval by an IMO recognized Administration as to comply with IMO Resolution MSC.74(69), ITU-R Recommendation M.1371-1, and IEC 61993-2 (Incorporated by reference, see §164.03). “Length” refers to “registered length” as defined in 46 CFR part 69. “Gross tonnage” refers to tonnage as defined under the International Convention on Tonnage Measurement of Ships, 1969.

(b) The requirements for Vessel Bridge-to-Bridge radio-telephones in §§26.04(a) and (c), 26.05, 26.06 and 26.07 of this chapter, also apply to AIS. The term “effective operating condition” used in §26.06 of this chapter includes accurate input and upkeep of AIS data fields.

(c) The use of a portable AIS is permissible only to the extent that electromagnetic interference does not affect the proper function of existing navigation and communication equipment on board and such that only one AIS unit may be in operation at any one time.

COAST PILOT 3 (Continued)

(d) The AIS Pilot Plug, on each vessel over 1,600 gross tons, on an international voyage, must be available for pilot use, easily accessible from the primary conning position of the vessel, and near a 120 Volt, AC power, 3-prong receptacle.

(FR 10/22/03) 48/03

**COAST PILOT 6 33 Ed 2003 Change No. 20
LAST NM 46/03**

Page 70—Paragraphs 582 to 584; read:

(f) The draw of the Canadian Pacific Railway bridge, mile 1.74 over Burnham Canal, need not be opened for the passage of vessels.

(FR 10/3/03) 48/03

Page 100—Paragraph 1357, line 2; read:

operating procedures are set forth in Part 161 of this chapter.

§164.46 Automatic Identification System (AIS).

(a) The following vessels must have a properly installed, operational, type approved AIS as of the date specified:

(1) Self-propelled vessels of 65 feet or more in length, other than passenger and fishing vessels, in commercial service and on an international voyage, not later than December 31, 2004.

(2) Notwithstanding paragraph (a)(1) of this section, the following, self-propelled vessels, that are on an international voyage must also comply with SOLAS, as amended, Chapter V, regulation 19.2.1.6, 19.2.4, and 19.2.3.5 or 19.2.5.1 as appropriate (Incorporated by reference, see §164.03):

(i) Passenger vessels, of 150 gross tonnage or more, not later than July 1, 2003;

(ii) Tankers, regardless of tonnage, not later than the first safety survey for safety equipment on or after July 1, 2003;

(iii) Vessels, other than passenger vessels or tankers, of 50,000 gross tonnage or more, not later than July 1, 2004; and

(iv) Vessels, other than passenger vessels or tankers, of 300 gross tonnage or more than 50,000 gross tonnage, not later than the first safety survey for safety equipment on or after July 1, 2004, but no later than December 31, 2004.

(3) Notwithstanding paragraphs (a)(1) and (a)(2) of this section, the following vessels, when navigating an area denoted in table 161.12(c) of §161.12 of this chapter, not later than December 31, 2004:

(i) Self-propelled vessels of 65 feet or more in length, other than fishing vessel and passenger vessels certificated to carry less than 151 passengers-for-hire, in commercial service;

(ii) Towing vessels of 26 feet or more in length and more than 600 horsepower, in commercial service;

(iii) Passenger vessels certificated to carry more than 150 passengers-for-hire.

Note to §164.46(a): “Properly installed” refers to an installation using the guidelines set forth in IMO SN/Circ. 227 (incorporated by reference, see §164.03). Not all AIS

units are able to broadcast position, course, and speed without the input of an external positioning device (e.g. dGPS); the use of other external devices (e.g. transmitting heading device, gyro, rate of turn indicator) is highly recommended, however, not required except as stated in §164.46(a)(2). “Type approved” refers to an approval by an IMO recognized Administration as to comply with IMO Resolution MSC.74(69), ITU-R Recommendation M.1371-1, and IEC 61993-2 (Incorporated by reference, see §164.03). “Length” refers to “registered length” as defined in 46 CFR part 69. “Gross tonnage” refers to tonnage as defined under the International Convention on Tonnage Measurement of Ships, 1969.

(b) The requirements for Vessel Bridge-to-Bridge radiotelephones in §§26.04(a) and (c), 26.05, 26.06 and 26.07 of this chapter, also apply to AIS. The term “effective operating condition” used in §26.06 of this chapter includes accurate input and upkeep of AIS data fields.

(c) The use of a portable AIS is permissible only to the extent that electromagnetic interference does not affect the proper function of existing navigation and communication equipment on board and such that only one AIS unit may be in operation at any one time.

(d) The AIS Pilot Plug, on each vessel over 1,600 gross tons, on an international voyage, must be available for pilot use, easily accessible from the primary conning position of the vessel, and near a 120 Volt, AC power, 3-prong receptacle.

(FR 10/22/03) 48/03

**COAST PILOT 7 35 Ed 2003 Change No. 17
LAST NM 45/03**

Page 158—Paragraph 2429, line 2; read:

operating procedures are set forth in Part 161 of this chapter.

§164.46 Automatic Identification System (AIS).

(a) The following vessels must have a properly installed, operational, type approved AIS as of the date specified:

(1) Self-propelled vessels of 65 feet or more in length, other than passenger and fishing vessels, in commercial service and on an international voyage, not later than December 31, 2004.

(2) Notwithstanding paragraph (a)(1) of this section, the following, self-propelled vessels, that are on an international voyage must also comply with SOLAS, as amended, Chapter V, regulation 19.2.1.6, 19.2.4, and 19.2.3.5 or 19.2.5.1 as appropriate (Incorporated by reference, see §164.03):

(i) Passenger vessels, of 150 gross tonnage or more, not later than July 1, 2003;

(ii) Tankers, regardless of tonnage, not later than the first safety survey for safety equipment on or after July 1, 2003;

(iii) Vessels, other than passenger vessels or tankers, of 50,000 gross tonnage or more, not later than July 1, 2004; and

(iv) Vessels, other than passenger vessels or tankers, of 300 gross tonnage or more than 50,000 gross tonnage, not later than the first safety survey for safety equipment on or after July 1, 2004, but no later than December 31, 2004.

COAST PILOT 7 (Continued)

December 31, 2004.

(3) Notwithstanding paragraphs (a)(1) and (a)(2) of this section, the following vessels, when navigating an area denoted in table 161.12(c) of §161.12 of this chapter, not later than December 31, 2004:

(i) Self-propelled vessels of 65 feet or more in length, other than fishing vessel and passenger vessels certificated to carry less than 151 passengers-for-hire, in commercial service;

(ii) Towing vessels of 26 feet or more in length and more than 600 horsepower, in commercial service;

(iii) Passenger vessels certificated to carry more than 150 passengers-for-hire.

Note to §164.46(a): “Properly installed” refers to an installation using the guidelines set forth in IMO SN/Circ. 227 (incorporated by reference, see §164.03). Not all AIS units are able to broadcast position, course, and speed without the input of an external positioning device (e.g. dGPS); the use of other external devices (e.g. transmitting heading device, gyro, rate of turn indicator) is highly recommended, however, not required except as stated in §164.46(a)(2). “Type approved” refers to an approval by an IMO recognized Administration as to comply with IMO Resolution MSC.74(69), ITU-R Recommendation M.1371-1, and IEC 61993-2 (Incorporated by reference, see §164.03). “Length” refers to “registered length” as defined in 46 CFR part 69. “Gross tonnage” refers to tonnage as defined under the International Convention on Tonnage Measurement of Ships, 1969.

(b) The requirements for Vessel Bridge-to-Bridge radio-telephones in §§26.04(a) and (c), 26.05, 26.06 and 26.07 of this chapter, also apply to AIS. The term “effective operating condition” used in §26.06 of this chapter includes accurate input and upkeep of AIS data fields.

(c) The use of a portable AIS is permissible only to the extent that electromagnetic interference does not affect the proper function of existing navigation and communication equipment on board and such that only one AIS unit may be in operation at any one time.

(d) The AIS Pilot Plug, on each vessel over 1,600 gross tons, on an international voyage, must be available for pilot use, easily accessible from the primary conning position of the vessel, and near a 120 Volt, AC power, 3-prong receptacle.

(FR 10/22/03)

48/03

COAST PILOT 8

**25 Ed 2003 Change No. 11
LAST NM 42/03**

Page 84—Paragraph 864, line 2; read:
operating procedures are set forth in Part 161 of this chapter.

§164.46 Automatic Identification System (AIS).

(a) The following vessels must have a properly installed, operational, type approved AIS as of the date specified:

(1) Self-propelled vessels of 65 feet or more in length, other than passenger and fishing vessels, in commercial service and on an international voyage, not later than December 31, 2004.

(2) Notwithstanding paragraph (a)(1) of this section, the following, self-propelled vessels, that are on an inter-

national voyage must also comply with SOLAS, as amended, Chapter V, regulation 19.2.1.6, 19.2.4, and 19.2.3.5 or 19.2.5.1 as appropriate (Incorporated by reference, see §164.03):

(i) Passenger vessels, of 150 gross tonnage or more, not later than July 1, 2003;

(ii) Tankers, regardless of tonnage, not later than the first safety survey for safety equipment on or after July 1, 2003;

(iii) Vessels, other than passenger vessels or tankers, of 50,000 gross tonnage or more, not later than July 1, 2004; and

(iv) Vessels, other than passenger vessels or tankers, of 300 gross tonnage or more than 50,000 gross tonnage, not later than the first safety survey for safety equipment on or after July 1, 2004, but no later than December 31, 2004.

(3) Notwithstanding paragraphs (a)(1) and (a)(2) of this section, the following vessels, when navigating an area denoted in table 161.12(c) of §161.12 of this chapter, not later than December 31, 2004:

(i) Self-propelled vessels of 65 feet or more in length, other than fishing vessel and passenger vessels certificated to carry less than 151 passengers-for-hire, in commercial service;

(ii) Towing vessels of 26 feet or more in length and more than 600 horsepower, in commercial service;

(iii) Passenger vessels certificated to carry more than 150 passengers-for-hire.

Note to §164.46(a): “Properly installed” refers to an installation using the guidelines set forth in IMO SN/Circ. 227 (incorporated by reference, see §164.03). Not all AIS units are able to broadcast position, course, and speed without the input of an external positioning device (e.g. dGPS); the use of other external devices (e.g. transmitting heading device, gyro, rate of turn indicator) is highly recommended, however, not required except as stated in §164.46(a)(2). “Type approved” refers to an approval by an IMO recognized Administration as to comply with IMO Resolution MSC.74(69), ITU-R Recommendation M.1371-1, and IEC 61993-2 (Incorporated by reference, see §164.03). “Length” refers to “registered length” as defined in 46 CFR part 69. “Gross tonnage” refers to tonnage as defined under the International Convention on Tonnage Measurement of Ships, 1969.

(b) The requirements for Vessel Bridge-to-Bridge radio-telephones in §§26.04(a) and (c), 26.05, 26.06 and 26.07 of this chapter, also apply to AIS. The term “effective operating condition” used in §26.06 of this chapter includes accurate input and upkeep of AIS data fields.

(c) The use of a portable AIS is permissible only to the extent that electromagnetic interference does not affect the proper function of existing navigation and communication equipment on board and such that only one AIS unit may be in operation at any one time.

(d) The AIS Pilot Plug, on each vessel over 1,600 gross tons, on an international voyage, must be available for pilot use, easily accessible from the primary conning position of the vessel, and near a 120 Volt, AC power, 3-prong receptacle.

COAST PILOT 8 (Continued)

cle.
 (10/22/03) 48/03

**COAST PILOT 9 21 Ed 2003 Change No. 14
 LAST NM 42/03**

Page 83—Paragraph 836, line 2; read:
 operating procedures are set forth in Part 161 of this chapter.

§164.46 Automatic Identification System (AIS).

(a) The following vessels must have a properly installed, operational, type approved AIS as of the date specified:

(1) Self-propelled vessels of 65 feet or more in length, other than passenger and fishing vessels, in commercial service and on an international voyage, not later than December 31, 2004.

(2) Notwithstanding paragraph (a)(1) of this section, the following, self-propelled vessels, that are on an international voyage must also comply with SOLAS, as amended, Chapter V, regulation 19.2.1.6, 19.2.4, and 19.2.3.5 or 19.2.5.1 as appropriate (Incorporated by reference, see §164.03):

(i) Passenger vessels, of 150 gross tonnage or more, not later than July 1, 2003;

(ii) Tankers, regardless of tonnage, not later than the first safety survey for safety equipment on or after July 1, 2003;

(iii) Vessels, other than passenger vessels or tankers, of 50,000 gross tonnage or more, not later than July 1, 2004; and

(iv) Vessels, other than passenger vessels or tankers, of 300 gross tonnage or more than 50,000 gross tonnage, not later than the first safety survey for safety equipment on or after July 1, 2004, but no later than December 31, 2004.

(3) Notwithstanding paragraphs (a)(1) and (a)(2) of this section, the following vessels, when navigating an area denoted in table 161.12(c) of §161.12 of this chapter, not later than December 31, 2004:

(i) Self-propelled vessels of 65 feet or more in length, other than fishing vessel and passenger vessels certificated to carry less than 151 passengers-for-hire, in commercial service;

(ii) Towing vessels of 26 feet or more in length and more than 600 horsepower, in commercial service;

(iii) Passenger vessels certificated to carry more than 150 passengers-for-hire.

Note to §164.46(a): “Properly installed” refers to an installation using the guidelines set forth in IMO SN/Circ. 227 (incorporated by reference, see §164.03). Not all AIS units are able to broadcast position, course, and speed without the input of an external positioning device (e.g. dGPS); the use of other external devices (e.g. transmitting heading device, gyro, rate of turn indicator) is highly recommended, however, not required except as stated in §164.46(a)(2). “Type approved” refers to an approval by an IMO recognized Administration as to comply with IMO Resolution MSC.74(69), ITU-R Recommendation M.1371-1, and IEC 61993-2 (Incorporated by reference, see §164.03). “Length” refers to “registered length” as defined in 46 CFR part 69. “Gross tonnage” refers to ton-

nage as defined under the International Convention on Tonnage Measurement of Ships, 1969.

(b) The requirements for Vessel Bridge-to-Bridge radio-telephones in §§26.04(a) and (c), 26.05, 26.06 and 26.07 of this chapter, also apply to AIS. The term “effective operating condition” used in §26.06 of this chapter includes accurate input and upkeep of AIS data fields.

(c) The use of a portable AIS is permissible only to the extent that electromagnetic interference does not affect the proper function of existing navigation and communication equipment on board and such that only one AIS unit may be in operation at any one time.

(d) The AIS Pilot Plug, on each vessel over 1,600 gross tons, on an international voyage, must be available for pilot use, easily accessible from the primary conning position of the vessel, and near a 120 Volt, AC power, 3-prong receptacle.

(FR 10/22/03)

48/03

SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13028	Pilgrim Power Plant Security Zone Lighted Buoy C		Fl W 4s		4	White with orange bands.	Marked "Restricted Area" *
							48/03
13034	Pilgrim Power Plant Security Zone Lighted Buoy L		Fl W 4s			White with orange bands.	Marked "Restricted Area" *
							48/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
650 28630	Hatteras Inlet Entrance Lighted Whistle Buoy HI		Mo (A) W		6	Red and white stripes with red spherical topmark.	Position frequently shifted with changing conditions. *
							48/03
805 30260	Carolina Beach Inlet Entrance Lighted Whistle Buoy CB		Mo (A) W		5	Red and white stripes with red spherical topmark.	 *
							48/03
860 30316	Cape Fear River Entrance Lighted Whistle Buoy CF	33 48 10 N 78 05 15 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	RACON: C(- • - •). *
							48/03
870 31050	Shallotte Inlet Lighted Whistle Bouy SH		Mo (A) W		6	Red and white stripes with red spherical topmark.	Position frequently shifted with changing conditions. *
							48/03
*Delete Heading: *Delaware Bay (East Side)							
2010	Dunks Bar Buoy 10 Marks shoal.					Remove from list.	
							*
							48/03
*Add Heading: *Delaware Bay (East Side)							
2015	Arnold Point Shoal Buoy 2 At edge of 5 foot spot.	39 20 48 N 75 25 05 W			Red nun.		
							48/03
2250	Old Bare Shoal Buoy A					Remove from list.	
							*
							48/03
2255	Cedar Beach Buoy 3					Remove from list.	
							*
							48/03
*Delete Heading: *Delaware Bay (West Side)							
2290	Clark Point Wreck Buoy 1					Remove from list.	
							*
							48/03

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

SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2295	Old Bare Shoal Buoy B						Remove from list.
						*	* 48/03
	Goodwin Thorofare						
13310	- LIGHT 2	37 12 21 N 76 22 56 W	Fl R 2.5s	18	3	TR on multi-pile structure.	Light equipment removed when endangered by ice.
		*		*	*		48/03
28630 650	- Entrance Lighted Whistle Buoy HI		Mo (A) W		6	Red and white stripes with red spherical topmark.	Position frequently shifted with changing conditions.
					*		48/03
*28736	- Buoy 13A					Green can.	
							48/03
29585 39045	- CHANNEL LIGHT 21		Fl G 4s	15	4	SG-SY on pile.	
					*		48/03
	Carolina Beach Inlet						
	<i>Due to frequently changing conditions, positions of aids are not listed.</i>						
30260 805	- Entrance Lighted Whistle Buoy CB		Mo (A) W		5	Red and white stripes with red spherical topmark.	
					*		48/03
	CAPE FEAR RIVER (Chart 11537)						
	Cape Fear River						
	<i>Buoys located 50 feet outside channel limit.</i>						
30316 860	- Entrance Lighted Whistle Buoy CF	33 48 10 N 78 05 15 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	RACON: C (- • - •).
					*		48/03
31260	KNOTTS ISLAND FERRY TERMINAL LIGHT 4		Fl R 2.5s	15	3	TR on pile.	Ra ref.
				*	*		48/03
31715	- CHANNEL LIGHT 13		Fl G 4s	15	4	SG on pile.	
				*			48/03
31790	- ENTRANCE LIGHT 2CR	36 01 45 N 76 40 21 W	Fl R 4s	15	4	TR on multi-pile structure.	Higher intensity beam towards 133°.
		*					48/03
31931	- Buoy 6A						Remove from list.
						*	48/03
31935	- Light 8	35 56 19 N 75 06 20 W	Fl R 4s	15	3	TR on pile.	
				*			48/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
32085	STUMPY POINT TARGET WARNING LIGHT W	35 33 01 N 75 42 12 W	Fl W 6s	15	6	NW on slatted pile worded DANGER BOMBING RANGE.	Ra ref. *
							48/03
	Wysocking Bay						
32150	- Entrance Daybeacon 2	35 23 21 N 75 58 52 W				TR on pile.	
		*					48/03
33490	CEDAR ISLAND NORTH LIGHT	35 02 08 N 76 20 54 W	Fl W 6s	24	5	On multi-pile structure.	
		*				*	48/03
33570	LONG BAY LIGHT 4		Fl R 6s	15	4	TR on pile.	
				*			48/03
	South River						
33655	- LIGHT 1	34 59 23 N 76 35 25 W	Fl G 2.5s	15	4	SG on multi-pile structure.	
				*			48/03
33980	- CHANNEL LIGHT 17 25 feet outside channel limit.		Fl G 4s	15	4	SG on pile.	
				*			48/03
34550	SEALEVEL CHANNEL ENTRANCE LIGHT 1 30 feet outside channel limit.	34 51 11 N 76 23 09 W	Fl G 2.5s	15	4	SG on pile.	
		*		*			48/03
39045 29585	BOGUE INLET CHANNEL LIGHT 21	34 40 20 N 77 05 41 W	Fl G 4s	15	4	SG-SY on pile.	
				*			48/03
*39756	- Buoy 161A					Green can with yellow square.	
							48/03
*39757	- Buoy 162					Red nun with yellow triangle.	
							48/03
*39758	- Buoy 162A					Red nun with yellow triangle.	
							48/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14825	- Lighted Buoy 3A	24 29 48 N 81 48 18 W	Fl G 6s	4		Green.	
		*					48/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
KEY WEST HARBOR (Chart 11447)							
Key West Harbor Main Channel							
14830	Western Triangle Lighted Buoy 5 At edge of shoal.	24 30 31 N 81 48 18 W	Fl G 4s	4	Green.		48/03
	*						
21456.1	- Daybeacon 11					Remove from list.	
	*						48/03
21456.2	- Daybeacon 12					Remove from list.	
	*						48/03
BAHIA DE PONCE AND APPROACHES (Chart 25683)							
31925	Isla Caja De Muertos Light	17 53 35 N 66 48 18 W	Fl W 30s	297	10	Gray cylindrical tower on center of flat-roofed dwelling.	
	*						48/03
*Delete Heading: *Sewalls Point Channel							
50650	- Shoal Daybeacon					Remove from list.	
	*						48/03
50655	- Daybeacon 1					Remove from list.	
	*						48/03
*Add Heading: *Sewalls Point Channel							
50660	- Daybeacon 2				TR on pile.	Private aid.	
							48/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*1271	Pioneer-100-4 Lighted Buoy Marks subsea installation.	29 05 10 N 95 41 19 W	Fl W 4s			White with orange bands.	SIGN: Pioneer-BR-A39-1 Private aid.
							48/03
8735	Gulfport Spoil Bank Daybeacon 1					Remove from list.	
	*						48/03
8740	Gulfport Spoil Bank Daybeacon 2					Remove from list.	
	*						48/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Gulfport Small Boat Harbor							
8745	- Buoy 1	30 20 43 N 89 04 53 W				Green can.	
		*					48/03
8750	- Daybeacon 3 60 feet outside channel limit.						Remove from list.
							*
*8751	- LIGHT 3 30 feet outside channel limits.	32 20 36 N 89 05 17 W	Fl G 2.5s	17	4	SG on pile.	Ra ref.
							48/03
8755	- Daybeacon 4 30 feet outside channel limit.					TR on pile.	Ra ref.
		*					48/03
8760	- LIGHT 5 30 feet outside channel limits.		Q G	17	3	SG on pile.	Ra ref.
		*					48/03
8765	- Daybeacon 6 30 feet outside channel limit.					TR on pile.	Ra ref.
		*					48/03
*8766	- Daybeacon 5A 30 feet outside channel limit.					SG on pile.	Ra ref.
							48/03
*8767	- Buoy 6A	30 21 18 N 89 06 00 W				Red nun.	
							48/03
*8769	- LIGHT 7 30 feet outside channel limits.	30 21 19 N 89 06 04 W	Fl G 4s	17	4	SG on pile.	Ra ref.
							48/03
8770	- Daybeacon 8 60 feet outside channel limit.						Remove from list.
							*
*8771	- Buoy 8	30 21 22 N 89 05 58 W				Red nun.	
							48/03
8775	- LIGHT 9 30 feet outside channel limits.	30 21 27 N 89 05 55 W	Fl G 2.5s	17	3	SG on dolphin.	Ra ref.
		*	*				48/03
19515	- LIGHT 13	29 36 45 N 92 00 22 W	Fl G 4s	17	4	SG on pile.	Ra ref.
		*					48/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22385	- LIGHT 28	30 00 45 N 93 57 22 W	Q R	17	4	TR on dolphin.	*

48/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5920	- CHANNEL LIGHT 11	38 03 11 N 122 19 51 W	Q G	15	3	SG on pile.	Ra ref.
		*					48/03
5925	- CHANNEL LIGHT 12	38 02 59 N 122 19 47 W	Fl R 2.5s	15	3	TR on pile structure.	Ra ref.
		*					48/03
5935	- CHANNEL LIGHT 14	38 03 14 N 122 18 29 W	Fl R 4s	15	3	TR on pile structure.	Ra ref.
		*					48/03
6000	- ENTRANCE CHANNEL LIGHT 6	38 04 16 N 122 25 37 W	Fl R 2.5s	15	3	TR on pile.	*
		*					48/03
6350	- LIGHT 10	38 07 09 N 122 03 44 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*					48/03
6400	- Daybeacon 4	38 03 14 N 122 03 55 W				TR on pile.	
		*					48/03
6410	- Daybeacon 6	38 03 07 N 122 03 22 W				TR on pile.	
		*					48/03
6420	- Daybeacon 9	38 03 32 N 122 02 22 W				SG on pile.	
		*					48/03

JUNIPER TO PASCO (Chart 18542)

Lake Wallula

12900	Port Kelley Range A Front Daybeacon	46 01 35 N 118 56 10 W		KRB on skeleton tower.	Private aid.	*	48/03
12905	Port Kelley Range A Rear Daybeacon 235 yards, 075.5° from front daybeacon.			KRB on skeleton tower.	Private aid.	*	48/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13145	- Buoy 5	46 14 06 N 118 58 58 W				Green can.	
		*					48/03
	Lake Sacajawea						
	Ice Harbor Dam						
13225	- Buoy A Marks restricted area.	46 15 05 N 118 52 32 W				White can with orange bands and orange diamond with orange center cross, worded DAM.	
		*					48/03
13260	- Lighted Buoy 2	46 15 05 N Fl R 4s 118 52 14 W		4	Red.		
		*					48/03
13355	- Buoy 28	46 24 14 N 118 39 11 W				Red nun.	
		*					48/03
13360	- Buoy 29	46 24 48 N 118 38 15 W				Green can.	
		*					48/03
13371	- Buoy 32A Marks shoal.	46 25 07 N 118 37 54 W				Red nun.	
		*					48/03
13380	- Buoy 34	46 26 10 N 118 38 21 W				Red nun.	
		*					48/03
13390	- Buoy 38	46 26 36 N 118 38 21 W				Red nun.	
		*					48/03
13395	- Buoy 40	46 27 14 N 118 37 50 W				Red nun.	
		*					48/03
13400	- Buoy 42	46 27 30 N 118 37 34 W				Red nun.	
		*					48/03
13410	- Buoy 44	46 28 29 N 118 37 17 W				Red nun.	
		*					48/03
13420	- Buoy 46	46 28 51 N 118 37 19 W				Red nun.	
		*					48/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13430	- Buoy 48	46 30 07 N 118 36 54 W				Red nun.	
		*					48/03
13435	- Buoy 50	46 30 22 N 118 36 44 W				Red nun.	
		*					48/03
13440	- Buoy 51	46 31 12 N 118 35 54 W				Green can.	
		*					48/03
13475	- Buoy 58	46 32 12 N 118 33 42 W				Red nun.	
		*					48/03
14040	RED WOLF REGULATORY BUOY					Remove from list.	
						*	48/03
PACIFIC OCEAN TO HARRINGTON POINT (Chart 18521)							
Baker Bay West Channel							
14415	- ENTRANCE JETTY LIGHT 1	46 16 07 N 124 01 49 W	Fl G 4s	15	4	SG on pile.	Ra ref.
				*			48/03
14430	- Daybeacon 6	46 16 18 N 124 01 48 W				TR on pile.	Ra ref.
		*					48/03
14435	- Daybeacon 7	46 16 23 N 124 01 55 W				SG on dolphin.	
		*					48/03
14440	- LIGHT 8	46 16 32 N 124 01 55 W	Fl R 4s	17	4	TR on pile structure.	
		*					48/03
14445	- Daybeacon 9	46 16 38 N 124 02 07 W				SG on pile.	
		*					48/03
14450	- LIGHT 10	46 16 46 N 124 02 12 W	Fl R 4s	15	3	TR on dolphin.	Higher intensity beam up and down channel. Ra ref.
		*		*			48/03
14455	- LIGHT 11	46 16 48 N 124 02 26 W	Fl G 4s	20	4	SG on multi-pile structure.	Ra ref.
		*		*			48/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14465	- Daybeacon 14	46 16 59 N 124 02 53 W				TR on pile.	Ra ref. * 48/03
14470	- LIGHT 15	46 17 07 N 124 03 04 W	Fl G 2.5s	7	3	SG on post.	Ra ref. * 48/03
14475	- Daybeacon 16	46 17 12 N 124 03 01 W				TR on pile.	Ra ref. * 48/03
14480	- LIGHT 17	46 17 21 N 124 02 39 W	Fl G 4s	15	4	SG on dolphin.	Ra ref. * 48/03
14495	- Daybeacon 21	46 17 43 N 124 02 39 W				SG on pile.	 * 48/03
14510	ILWACO MOORING BASIN LIGHT 2	46 18 00 N 124 02 25 W	Fl R 4s	15	3	TR on pile structure.	Ra ref. * 48/03
14630	- Daybeacon 9 East of Quarantine Station.	46 16 13 N 123 49 09 W				SG on pile.	 * 48/03
14635	- Daybeacon 10	46 15 46 N 123 47 14 W				TR on dolphin.	 * 48/03
14640	- Daybeacon 12	46 16 03 N 123 46 28 W				TR on pile structure.	Ra ref. * 48/03
14645	GRAYS POINT LIGHT 13	46 16 23 N 123 46 00 W	Fl G 6s	15	4	SG on pile.	 * 48/03
14650	Portuguese Point Daybeacon 14A	46 16 35 N 123 45 05 W				TR on dolphin.	 * 48/03
14690	ROCKY POINT LIGHT 7	46 17 17 N 123 43 40 W	Fl G 4s	15	4	SG on pile.	 * 48/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14695	- Daybeacon 8	46 17 49 N 123 43 15 W				TR on dolphin.	
		*					48/03
14700	- Daybeacon 10	46 17 59 N 123 42 49 W				TR on dolphin.	
		*					48/03
14705	- Daybeacon 12	46 18 07 N 123 42 38 W				TR on dolphin.	
		*					48/03
14710	- Daybeacon 14	46 18 21 N 123 42 33 W				TR on dolphin.	Ra ref.
		*					48/03
14715	- Daybeacon 16	46 18 35 N 123 42 36 W				TR on dolphin.	Ra ref.
		*					48/03
Cathlamet Bay South Channel							
14720	- LIGHT 2	46 12 46 N Q R 123 45 23 W		18	6	TR on pile.	
		*					48/03
14725	- LIGHT 3 On end of rock groin.	46 12 21 N FIG 2.5s 123 45 07 W		15	4	SG on skeleton tower.	
		*			*		48/03
14729	- LIGHT 6	46 11 50 N FIG 6s 123 45 06 W		12	4	TR on multi-pile structure.	
		*			*		48/03
14735	- Daybeacon 8	46 10 23 N 123 43 48 W				TR on dolphin.	Ra ref.
		*					48/03
14740	- Daybeacon 10	46 10 27 N 123 43 25 W				TR on pile structure.	Ra ref.
		*					48/03
Cathlamet Bay North Channel							
14745	- LIGHT 3	46 12 36 N FIG 6s 123 42 54 W		15	4	SG on pile structure.	Higher intensity beam up and down channel. Ra ref.
		*					48/03
14760	GRASSY ISLAND LIGHT 8	46 11 35 N FIG 4s 123 41 28 W		17	4	TR on pile.	
		*					48/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19385	Center Island Reef Daybeacon	48 29 04 N 122 50 11 W				NW on spindle worded DANGER SUBMERGED ROCKS.	Ra ref. * 48/03
30790	- APPROACH RANGE FRONT LIGHT	13 26 33 N Q R 144 40 01 E		15	KRW on post.	Visible 4° each side of rangeline.	*

Apra Inner Harbor

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10373	- LIGHT	43 56 36 N 83 16 22 W	Fl W 10s	20 6		Square white tower with red roofed cupola. 38	Private aid. *
11900	- Lighted Buoy 24		Fl R 4s	3	Red.	Maintained from May 15 to Oct. 15.	*
11915	- Lighted Buoy 24A		Fl R 4s	3	Red.	Maintained from May 15 to Oct. 15.	*
12100	Obstruction Buoy	45 24 12 N 84 38 12 W			NW on pile.	Maintained from May 15 to Oct. 15. Worded: SUBMERGED OBJECT.	*
12580	- Light	45 50 36 N 84 36 54 W	Fl R 5s	71 22	14	Lighthouse.	RACON: X (- • -). HORN: 1 blast ev 30s (3s bl). Operates from May 1 to Oct. 20.
18270	TRAVERSE CITY BREAKWATER LIGHT	44 47 18 N 85 37 54 W	Fl R 2.5s	40 12	5	TR on tube. 30	*

Traverse City

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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
2790 <i>F 7221.3</i>	Hokiriku Denryoku.	37° 03.7' N 136° 43.0' E	Fl.R. period 4s	36 11	3	Red tower; 18.	
		*			*		48/03
2791 <i>F 7221.4</i>	-S. breakwater.	37° 03.5' N 136° 43.1' E	Fl.G. period 4s	36 11	3	White concrete tower; 18.	
		*			*		48/03
4676 <i>F 6496.1</i>	Ose Ko, breakwater.	36° 34.6' N 140° 39.6' E	Iso.R. period 4s	33 10	4	Red round concrete tower; 28.	
		*			*		48/03
5084 <i>F 6361</i>	--N. breakwater.	35° 15.9' N 139° 44.0' E	Fl.R. period 3s	36 11	7	Red tower; 31.	
		*	*		*	*	48/03
10480 <i>F 5612.2</i>	Kogai Bae.	32° 59.6' N 132° 30.0' E	Fl.(2)W. period 8s	43 13	5	White tower; 36.	
		*			*	*	48/03

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*19534 <i>E 5810.5</i>	Cayhoglu harbor, N. breakwater, head.	41° 58.0' N 34° 30.5' E	Fl.G. period 5s fl. 1s, ec. 4s	23 7	7	White concrete tower; 16.	
							48/03
*19534.5 <i>E 5810.6</i>	-S. breakwater, head.	41° 58.0' N 34° 30.4' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	7	White concrete tower; 16.	
							48/03

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
820 <i>B 2582</i>	-Stavernsodden, Stavernsøy, S. side.	58° 59.2' N 10° 03.2' E	Oc.(3)W.R.G. period 10s	144 44	W. 13 R. 10 G. 9	Tower.	R. 172°-246°, G.-263°, W.-267°, R.-315°, W.-345°30', G.-043°.
		*			*		48/03
824 <i>B 2584</i>	-Vadholmen, entrance to Stavern, W. side.	58° 59.6' N 10° 02.8' E	Oc.W.R.G. period 6s	24 7	W. 6 R. 4 G. 4	White lantern.	R. 171°-189°, G.-202°, W.-207°, R.-342°, W.-351°30', G.- 358°30'.
					*	*	48/03
836 <i>B 2588</i>	-Larvik havn.	59° 03.0' N 10° 01.5' E	Oc.W.R.G. period 6s	16 5	W. 6 R. 4 G. 4	Framework tower.	G. 297°-316°, R.-332°, W.-337°, G.-352°, R.-012°.
		*			*	*	48/03

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
840 - -Kanalkien, N. <i>B 2588.5</i>		59° 02.5' N 10° 02.7' E	F.R.				Visible 046°-226°. Private light.
		*				*	48/03
1964 -Ruskodden. <i>B 3186</i>		58° 27.3' N 5° 53.5' E	Oc.(2)W.R.G. period 8s	46 14	W. 10 R. 8 G. 8	White lantern on tripod.	G. 051°-088°, W.-093°, R.-100, G.-187°, W.-209°, R.-227°.
						*	48/03
1968 -Grunnsundholmen. <i>B 3188</i>		58° 27.7' N 5° 54.0' E	Iso.W.R.G. period 6s	24 7	W. 7 R. 5 G. 4	White lantern on base.	G. 045°30'-052°, R.-101°, W.- 120°, G.-208°30', R.-231°.
						*	48/03
1984 -Napperen. <i>B 3198</i>		58° 28.0' N 5° 58.0' E	2 F.R. (vert.)	20 6 23 7	3	Mast.	
						*	48/03

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5268 Alabodarna, pier, head. <i>C 2318</i>		55° 56.3' N 12° 46.3' E	Fl.W. period 3s	18 6	4	White metal framework tower.	
		*	*	*		*	48/03
11384 -Gasoren. <i>C 5810</i>		64° 40.0' N 21° 19.0' E	L.FI.(2)W.R.G. period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	59 18	W. 16 R. 13 G. 12	White octagonal concrete tower, red band; 44.	G. 215°30'-276°30', W.- 285°30', R.-301°30', G.- 314°30', W.-315°30', R.-329°, G.-348°, R.-066°, G.-114°, W.-122°, R.-215°30'.
						*	48/03
*11384.2 - -Gamla Gasoren.		64° 39.8' N 21° 19.1' E	Oc.W. period 10s	36 11	5	Tower on white house.	Visible 135°-235° and 335°- 090°.
							48/03

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SECTION II

NM 48/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS THROUGH NM 48/03

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, 14,15,17,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48/03	SDPUB126	2002	39*,41,42,43,44,45, 48/02;24,26,27,28, 30,32,41/03	SDPUB193	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23,29/03
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30,32, 33,34,44,48/03	SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32, 33,41,43,46/03
Region 3	2002	1/03*	SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22,23,24,25,26, 31,32,34,37,42, 43/03	SDPUB200	2002	38*,39,42/02;22,27, 34,41/03
Region 4	2002	1*,23,43/03	SDPUB141	2001	21*,38/01	USCG LIGHT LIST VOLUMES I - VII		
Region 5	2002	1*,3,5,8,22,27,30, 33,38,48/03	SDPUB142	2000	49/00*;3,31,35/01; 1,15,43/02	COMDTM165021	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 36,37,38,39,40,41, 42,43,44,45,48/03
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28,30,33, 38/03	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	COMDTM165022	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 35,36,37,38,39,40, 41,42,43,44,45,46, 47,48/03
Region 7	2002	1*,11,15,28/03	SDPUB147	2001	35/01*:21,22,23, 24/02;39,40,41, 46/03	COMDTM165023	2003	17*,18,19,20,21,23, 24,25,26,28,29,31, 32,33,34,35,36,37, 38,39,41,43,44,45, 46,47,48/03
Region 8	2002	1*,14,37,41,46/03	SDPUB148	2001	48/01*:23,24/02;22, 42,43,45,48/03	COMDTM165024	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48/03
Region 9	2002	1*,34,40,43,45, 48/03	SDPUB153	2000	6/01*:28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15,22,25,32, 35,37,38,39,40, 43/03	COMDTM165025	2002	16/02*
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32,33,34, 36,37,38,39,41,42, 43,45,46,47,48/03	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30,41,42,47/03	COMDTM165026	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48/03
NIMA LIST OF LIGHTS								
LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21,23, 24,25,26,27,28,29, 31,32,33,34,36,37, 38,39,41,42,43,44, 47/03	SDPUB155	2001	31*,48/01;10,45, 46/02	COMDTM165027	2003	18*,20,21,22,23,24, 26,27,28,30,31,32, 33,34,35,36,37,38, 39,40,43,44,46,47, 48/03
LLPUB111	2003	33*,34,35,36,37,38, 39,40,41,43,45, 47/03	SDPUB159	2002	42*,48/02	FLEET GUIDES		
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48/03	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19,21,22,23, 30,33,36,39,41,43, 48/03	FGPUB940ATL	2001	N47/01*
LLPUB113	2003	46*,48/03	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	FGPUB941PAC	2001	N22/01*
LLPUB114	2003	17*,19,21,22,23,24, 27,31,32,40,43,44, 46/03	SDPUB162	2001	51/01*:5,12/03	NOS MISCELLANEOUS PUBLICATIONS		
LLPUB115	2003	42*,44,46,47,48/03	SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31,39,40, 41,43,47,48/03	NOSPCATALOG1	2000	20/00*
LLPUB116	2003	24*,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,47,48/03	SDPUB164	2000	30/00*:31,35,36/01; 8,28/03	NOSPCATALOG2	2000	34/00*
SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23,29,30,31,41, 42,44,45/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26,41/03	NOSPCATALOG3	2000	28/00*
SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02;24,25, 27,28,32,38,42/03	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22,23, 25,26,27,28,29,31, 32,33,34,35,37,38, 39,40,43,44,45,46, 47,38/03	NOSPCATALOG4	2000	34/00*
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02;24,25,27,28, 29,30,32,35,36,37, 39,44,48/03	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27,32,33,34, 37,38/03	ALMANACS		
SDPUB125	2003	19*,43/03	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02; 30,39,40,41,43/03	AIRALMANAC401	2004	29/03*
SDPUB126	2003	39/03*	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02; 26,27,29,32,37,38, 43,47/03	NAUTALMANAC04	2004	29/03*
SDPUB127	2003	9/03*	SDPUB176	2002	32*,33,42,47,48, 50/02;6,13,14,17,21, 24,42,44,47,48/03	COAST PILOT		
SDPUB128	2002	46/03*	SDPUB177	2001	38*,39/02	NOSBPCP1	33	27*,28,29,32,33,34, 39,42,46,48/03
SDPUB129	2003	4/03*	SDPUB178	2001	8*,10,12,41/02; 17/03	NOSBPCP2	32	17*,18,21,22,26,28, 30,32,33,35,36,39, 42,43,45/03
SDPUB130	2003	17/03*	SDPUB179	2001	27/01*:13,15,16/02;	NOSBPCP3	36	34*,36,42,43,44,46, 48/03
SDPUB131	2002	9/03*	SDPUB180	2002	18/03	NOSBPCP4	35	34*,36,39,42,44,46, 47/03
SDPUB132	2003	46/03*	SDPUB181	2002	27/01*:13,15,16/02;	NOSBPCP5	30	2*,6,10,12,14,18,20, 27,30,32,35,36,37, 39,42/03
SDPUB133	2003	4/03*	SDPUB182	2001	27/01*:13,15,16/02;	NOSBPCP6	33	23*,27,29,32,33,34, 39,42,46,48/03
SDPUB134	2003	17/03*	SDPUB183	2001	27/01*:13,15,16/02;	NOSBPCP7	35	37*,38,39,42,44,45, 48/03
SDPUB135	2003	9/03*	SDPUB184	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;6,13,14,17,21, 22/03	NOSBPCP8	25	32*,33,34,39,42, 48/03
SDPUB136	2003	46/03*	SDPUB185	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;6,13,14,17,21, 22/03	NOSBPCP9	21	30*,32,33,36,39,42, 48/03
RADIO NAVIGATIONAL AIDS								
RAPUB117								
2002 50/02*;13/03								

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 48/03**

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

NIMA Reference No.	Ed.	Notice to Mariners No.		
AMERICAN PRACTICAL NAVIGATOR NVPUB9	2002	36/02*;14,38/03		
INTERNATIONAL CODE OF SIGNALS CDPUBNV102	2003	20/03*		
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, 15,20/03		
DISTANCES BETWEEN PORTS NVPUB151	2001	4/02*		
RADAR NAVIGATION AND MANEUVERING BOARD MANUAL CDPUBNV1310	2001	51/01*		
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	N23/91*		
ATLAS OF PILOT CHARTS				
NVPUB106	2002	42/03*		
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*		
NOSPBTWCSTNSA3	2003	N4/03*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN3	2003	N4/03*		
NOSPBTCTPACAS3	2003	N4/03*		

SECTION III

NM 48/03

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 November 2003:

2003 series	420(24)	437(11,26)	440(11)	443(GEN)
108(26,27)	425(GEN)	438(25)	441(GEN)	
387(GEN)	431(11,26)	439(GEN)	442(12,13)	

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

NAVAREA IV WARNINGS issued from 051200Z to 131200Z November 2003.

433/03 thru 436/03. CANCELED.

437/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 0500Z TO 0459Z COMMENCING DAILY
10 THRU 16 NOV IN AREA BOUND BY
30-45N 080-54W, 30-45N 080-11W,
30-36N 080-11W, 30-33N 080-55W.
 - B. 0500Z TO 0459Z COMMENCING DAILY
10 THRU 16 NOV IN AREA BETWEEN
29-10N 29-20N AND 079-40W 079-50W.
 - C. 1200Z TO 0200Z COMMENCING DAILY
11 THRU 14 NOV AND 0500Z TO 0700Z
DAILY 12 THRU 15 NOV IN AREA BETWEEN
30-00N 29-50N AND 081-00W 080-50W.
 - D. 140030Z TO 140330Z NOV IN AREA BOUND BY
30-35N 081-21W, 30-35N 081-00W,
30-00N 081-02W, 30-00N 081-15W.
 - E. 1300Z TO 2100Z DAILY 15 AND 16 NOV
IN AREA BETWEEN
32-35N 32-31N AND 079-45W 079-50W.
2. CANCEL THIS MSG 170559Z NOV.

(071600Z NOV 2003)

438/03(25). NORTH ATLANTIC.

1. ODAS BUOY ADRIFT VICINITY 14-37N 056-16W AT 071143Z NOV.
2. CANCEL THIS MSG 14 NOV.

(071845Z NOV 2003)

439/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 081000Z NOV 2003, ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 420(24), 425(GEN), 428(11,27), 431(11,26), 432(38), 433(14,51), 436(51), 437(11,26), 438(25).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL NAVAREA IV 427/03.

(081010Z NOV 2003)

440/03(11). NORTH ATLANTIC. FLORIDA.

1. ODAS BUOY 41012 ADRIFT IN 29-28-15N 080-38-01W.
2. CANCEL THIS MSG 17 NOV.

(101745Z NOV 2003)

441/03(GEN). GULF OF MEXICO. RADIO SERVICES.

1. U.S. COAST GUARD STATION MOBILE HF DSC OFF AIR UNTIL 241329Z NOV.
2. CANCEL THIS MSG 241429Z NOV.

(101830Z NOV 2003)

442/03(12,13). NORTH ATLANTIC. MISSILES.

1. HAZARDOUS OPERATIONS 161300Z TO 182200Z NOV WITHIN 100 MILES OF 36-00N 070-00W.
2. CANCEL THIS MSG 182300Z NOV.

(120840Z NOV 2003)

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443/03(GEN). GPS SATELLITE SYSTEM.
PRN 23 UNUSABLE.

(130256Z NOV 2003)

SECTION III

HYDROLANTS

Messages in force 131200Z November 2003:

2000 series	2003 series	1606(24)	1948(24)	2049(53)	2117(56)
2937(38)	41(37)	1607(24)	1958(GEN)	2053(37)	2118(57)
3762(43)	67(37)	1620(53,56)	1960(GEN)	2054(36,37)	2119(54)
4265(44)	544(55)	1647(51,52)	1961(37)	2057(24)	2122(24)
2001 series	604(26,27)	1676(57)	1963(53)	2058(24)	2124(54)
611(44)	738(35)	1731(35)	1992(24)	2079(53)	2125(24)
2700(37)	754(37)	1780(51,52)	1995(53)	2081(36,37,51)	2126(52,53)
3161(44)	867(37)	1801(35)	1999(23)	2083(53,54)	2127(37)
2002 series	1117(37)	1833(37)	2002(54,56)	2089(53)	2128(GEN)
245(GEN)	1242(24)	1834(22)	2004(24)	2094(GEN)	2129(24)
246(GEN)	1255(44)	1863(37)	2012(24)	2095(23)	2130(24)
2203(51)	1291(37)	1907(36,37)	2021(53)	2098(24)	2131(24)
2682(51)	1374(52,53)	1912(55)	2031(55)	2110(53)	2132(52,53)
2848(37)	1422(53)	1930(54)	2033(GEN)	2111(53)	2133(52,53)
2869(52)	1472(35)	1940(54)	2035(37)	2112(53)	2134(55)
2882(54)	1522(51,52)	1944(53)	2041(56)	2113(35)	
2883(54)	1553(37)	1946(56)	2046(53)	2116(24)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

HYDROLANT WARNINGS issued from 051200Z to 131200Z November 2003.

2079/03(53). MALTA. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1500Z DAILY
10 THRU 14 NOV IN AREA BOUND BY
35-56.1N 014-29.8E, 36-01.8N 014-41.3E,
36-06.4N 014-23.0E.
2. CANCEL THIS MSG 141600Z NOV.

(051810Z NOV 2003)

2080/03. CANCELED.

2081/03(36,37,51). SPAIN-NORTHWEST COAST. NAVTEX.
NAVTEX STATION LA CORUNA OFF AIR.

(052210Z NOV 2003)

2082/03. CANCELED.

2083/03(53,54). EASTERN MEDITERRANEAN SEA. IONIAN SEA.

1. SURVEY OPERATIONS BY M/V URANIA:
A. 07 THRU 24 NOV ALONG TRACKLINE JOINING
34-20-00N 020-00-00E, 35-15-00N 021-30-00E,
35-18-00N 021-41-00E, 35-19-00N 021-23-00E.
B. 25 AND 26 NOV ALONG TRACKLINE JOINING
37-11-53N 015-13-26E, 37-12-24N 015-14-09E,
37-12-19N 015-15-09E, 37-11-48N 015-19-21E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 27 NOV.

(060820Z NOV 2003)

2084/03 thru 2088/03. CANCELED.

2089/03(53). IONIAN SEA.

1. PYROTECHNICS EXERCISES 111200Z TO 111400Z NOV,
ALTERNATE 131200Z TO 131400Z NOV IN AREA
BETWEEN 37-15N 37-25N AND 015-25E 015-55E.
2. CANCEL THIS MSG 131500Z NOV.

(071110Z NOV 2003)

2090/03 thru 2093/03. CANCELED.

2094/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 081200Z NOV 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 1863(37), 1907(36,37), 1912(55), 1930(54),
1940(54), 1944(53), 1946(56), 1948(24), 1958(GEN), 1960(GEN),
1961(37), 1963(53), 1988(24), 1992(24), 1995(53), 1999(23),
2002(54,56), 2004(24), 2012(24), 2021(53), 2031(55),
2033(GEN), 2035(37), 2041(56), 2046(53), 2049(53), 2053(37),
2054(36,37), 2057(24), 2058(24), 2066(57), 2077(24), 2078(38),

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- 2079(53), 2081(36.37.51), 2083(53.54), 2084(53), 2085(52.53),
 2088(24), 2089(53), 2091(24), 2092(52.53), 2093(24).
 2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF
 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS
 ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED
 IN NM 13/03, 26/03 AND 39/03.
 3. CANCEL HYDROLANT 1825/03, 1830/03, 1847/03, 1896/03, 2056/03.

(081010Z NOV 2003)

2095/03(23). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 08 NOV:
 A. A-38A, 22 MILES BY 48 MILES IN 57-54S 040-42W.
 B. A-38B, 22 MILES BY 25 MILES IN 55-12S 039-54W.
 C. A-38C, SEVEN MILES BY 11 MILES IN 56-24S 035-42W.
 D. A-38D, TWO MILES BY TEN MILES IN 56-24S 032-36W.
 E. A-43B, 13 MILES BY 40 MILES IN 54-24S 039-06W.
 F. A-43C, 24 MILES BY 41 MILES IN 52-42S 029-24W.
 G. A-43L, TWO MILES BY 12 MILES IN 53-24S 040-24W.
 H. A-48, NINE MILES BY TEN MILES IN 57-00S 043-18W.
 2. CANCEL THIS MSG 15 NOV.

(081528Z NOV 2003)

2096/03 and 2097/03. CANCELED.

2098/03(24). BRAZIL-NORTH COAST.

VESSEL, ORANGE HULL, ONE PERSON ON BOARD, UNREPORTED.
 LAST KNOWN POSITION 02-08S 038-18W AT 081635Z NOV.
 VESSELS IN VICINITY REQUESTED TO KEEP
 A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO ANY COASTAL RADIO STATION.

(082145Z NOV 2003)

2099/03 thru 2109/03. CANCELED.

2110/03(53). IONIAN SEA. GUNNERY.

1. GUNNERY EXERCISES 150700Z TO 151500Z NOV
 IN AREA BETWEEN
 37-10N 37-20N AND 016-26E 016-38E.
 2. CANCEL THIS MSG 151600Z NOV.

(101110Z NOV 2003)

2111/03(53). EASTERN MEDITERRANEAN SEA.

SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
 BY M/V ODIN FINDER ALONG TRACKLINE JOINING
 35-54.8N 014-29.6E, 35-56.0N 014-31.5E,
 36-00.5N 014-40.8E, 36-07.6N 014-58.7E,
 36-11.8N 015-08.5E, 36-16.3N 015-11.9E,
 36-27.1N 015-19.9E, 36-35.2N 015-25.8E,
 36-42.3N 015-30.2E, 36-59.8N 015-36.3E,
 37-06.8N 015-34.6E, 37-18.3N 015-28.1E,
 37-20.3N 015-21.9E, 37-25.1N 015-10.0E,
 37-26.8N 015-05.1E. WIDE BERTH REQUESTED.

(101220Z NOV 2003)

2112/03(53). SICILIA-SOUTHWEST COAST. GUNNERY

1. GUNNERY EXERCISES 0600Z TO 1400Z DAILY 11 AND 12 NOV,
 ALTERNATE 13 AND 14 NOV WITHIN SIX MILES OF
 36-56N 013-45E.
 2. CANCEL THIS MSG 141500Z NOV.

(101725Z NOV 2003)

2113/03(35). ORKNEY ISLANDS.

CHART 35141 (11TH ED).
 TOR NESS LIGHT 58-46.7N 003-17.6W AT REDUCED INTENSITY.

(101755Z NOV 2003)

2114/03 and 2115/03. CANCELED.

2116/03(24). URUGUAY.

- CHART 24060 (2ND ED).
 1. RADIOBEACON AT CABO POLONIO LIGHT 34-24S 053-47W
 AT REDUCED POWER.
 2. CANCEL HYDROLANT 1988/03.

(111100Z NOV 2003)

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NM 48/03

2117/03(56). EASTERN MEDITERRANEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1300Z DAILY 16 THRU 18 NOV
IN AREA BOUND BY 31-55.4N 033-56.3E,
32-02.3N 033-37.8E, 31-50.5N 033-36.9E.
2. CANCEL THIS MSG 181400Z NOV.

(111120Z NOV 2003)

2118/03(57). SOUTH ATLANTIC. ANGOLA.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V RAMFORM VALIANT TOWING FOURTEEN
4000 METER LONG CABLES IN AREA BOUND BY
07-25.4S 011-56.6E, 07-23.5S 012-02.2E,
07-28.3S 012-14.4E, 07-42.5S 012-14.4E,
07-44.3S 012-11.5E, 07-44.1S 012-01.4E,
07-41.5S 011-52.2E, 07-37.3S 011-52.2E.
FIVE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 2115/03.

(111140Z NOV 2003)

2119/03(54). ADRIATIC SEA. GUNNERY.

1. GUNNERY EXERCISES 0900Z TO 1200Z DAILY 13 AND 14 NOV
IN AREA BOUND BY 43-20N 016-20E, 43-17N 016-20E,
43-13N 016-00E, 43-26N 016-00E, 43-20N 016-20E.
2. CANCEL THIS MSG 141300Z NOV.

(111325Z NOV 2003)

2120/03 and 2121/03. CANCELED.

2122/03(24). URUGUAY. NAVTEX.

NAVTEX STATION LA PALOMA OFF AIR.

(120023Z NOV 2003)

2123/03. CANCELED.

2124/03(54). EASTERN MEDITERRANEAN SEA.

1. 27 METER F/V ROSA MARINO, FIVE PERSONS ON BOARD,
UNREPORTED. LAST KNOWN POSITION VICINITY
34-52N 024-10E. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ROME, TELEX: 611172,
PHONE: 390 6590 84527, FAX: 390 6592 2737.
2. CANCEL HYDROLANT 2123/03, SIGNAL CEASED.

(120640Z NOV 2003)

2125/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 140159Z NOV
BY M/V CGG HARMATTAN TOWING SIX 6000 METER
LONG CABLES ALONG TRACKLINE BETWEEN
25-24S 045-06W AND 25-56S 046-00W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 140259Z NOV.

(120740Z NOV 2003)

2126/03(52,53). SARDEGNA-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1700Z DAILY 12 THRU 15 AND
17 THRU 20 NOV 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,
38-56-10N 008-26-40E, 38-57-00N 008-37-06E.
2. CANCEL HYDROLANT 2066/03(57), OPERATIONS COMPLETED.
3. CANCEL THIS MSG 201800Z NOV.

(120920Z NOV 2003)

2127/03(37). ENGLAND-SOUTH COAST. NAVTEX.

1. NAVTEX STATION NITON OFF AIR.
2. CANCEL HYDROLANT 2096/03(35), AID RESTORED.

(122350Z NOV 2003)

2128/03(GEN). GPS SATELLITE SYSTEM.

PRN 23 UNUSABLE.

(130300Z NOV 2003)

2129/03(24). BRAZIL-SOUTHEAST COAST.

- CHART 24160 (21ST ED.).
1. RADIOBEACON AT CABO SAO TOME LIGHT 22-02.5S 041-03.2W
INOPERATIVE UNTIL 04 DEC.
 2. CANCEL HYDROLANT 2077/03.
 3. CANCEL THIS MSG 05 DEC.

(130750Z NOV 2003)

SECTION III

2130/03(24). BRAZIL-NORTH COAST.

CHART 24290 (3RD ED).

1. RADIOBEACON AT SALINOPOLIS LIGHT 00-37S 047-21W INOPERATIVE.
2. CANCEL HYDROLANT 2093/03.

(130810Z NOV 2003)

2131/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 150159Z NOV BY
M/V VERITAS VIKING I TOWING SIX 6000 METER
LONG CABLES IN AREA BOUND BY
24-57.6S 044-58.8W, 24-52.5S 045-07.4W,
24-43.6S 045-00.9W, 24-48.7S 044-52.4W.
SIX MILE BERTH REQUESTED.

2. CANCEL THIS MSG 150259Z NOV.

(130820Z NOV 2003)

2132/03(52,53). SARDEGNA-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1500Z DAILY 13 THRU 15 NOV
IN AREA BETWEEN 38-40N 38-25N AND 009-00E 009-25E.
2. CANCEL THIS MSG 151600Z NOV.

(131040Z NOV 2003)

2133/03(52,53). STRAIT OF SICILY.

1. DERELICT EIGHT METER VESSEL, WHITE HULL WITH
BLUE AND RED STRIPES, ADRIFT VICINITY
35-25.6N 012-16.6E AT 121047Z NOV.
REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL THIS MSG 20 NOV.

(131050Z NOV 2003)

2134/03(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0300Z TO 1700Z DAILY
18 THRU 22 NOV IN AREA BOUND BY
45-06.2N 036-54.3E, 45-02.0N 037-07.1E,
44-24.4N 037-12.8E, 44-16.4N 037-13.1E,
44-15.0N 036-52.4E, 44-16.4N 036-32.0E,
44-24.4N 036-32.6E, 45-02.2N 036-37.8E,
45-06.2N 036-50.6E.
2. CANCEL THIS MSG 221800Z NOV.

(131140Z NOV 2003)

SECTION III

NM 48/03

NAVAREA XII

Messages in force 131200Z November 2003:

2003 series	310(19)	331(GEN)	335(18)
262(GEN)	315(GEN)	334(GEN)	336(18)

The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

NAVAREA XII WARNINGS issued from 051200Z to 131200Z November 2003.

327/03 thru 330/03. CANCELED.

331/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 081000Z NOV 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 310(19), 315(GEN), 327(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL NAVAREA XII 324/03.

(081020Z NOV 2003)

332/03 and 333/03. CANCELED.

334/03(GEN). GPS SATELLITE SYSTEM.
PRN 23 UNUSABLE.

(130305Z NOV 2003)

335/03(18). NORTH PACIFIC.

1. CABLE OPERATIONS IN PROGRESS UNTIL 21 NOV BY CABLESHIP GLOBAL SENTINEL VICINITY 40-27.65N 128-18.45W. TWO MILE BERTH REQUESTED.
2. CANCEL THIS MSG 22 NOV.

(130940Z NOV 2003)

336/03(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 327/03.

(131020Z NOV 2003)

SECTION III

HYDROPACS

Messages in force 131200Z November 2003:

2001 series	761(63)	1646(63)	1785(96)	1869(95)	1939(23,29)
1976(62)	801(72)	1649(94,97)	1791(93)	1872(81)	1944(74)
2002 series	880(63)	1652(63)	1794(62)	1877(63)	1946(75)
205(GEN)	895(62)	1653(63)	1799(83,76)	1880(GEN)	1947(75)
206(GEN)	960(63)	1655(29)	1801(96)	1887(81)	1948(96)
352(73)	992(62)	1687(81)	1803(74)	1890(81)	1949(74)
403(72,73)	993(62)	1688(62)	1806(61)	1892(73)	1950(63)
2191(22)	998(71)	1692(63)	1809(62)	1893(73)	1951(63)
2199(63)	1041(71)	1697(61)	1811(74)	1897(63)	1952(61)
2330(62)	1110(61)	1699(63)	1819(61)	1898(63)	1953(63)
2339(63)	1198(92)	1700(62)	1820(61)	1899(62)	1954(63)
2003 series	1213(73)	1717(84)	1821(83)	1903(95)	1955(22)
167(95)	1220(62)	1732(75)	1829(93)	1906(19,97)	1956(22)
197(71)	1222(62)	1733(75)	1834(73,74)	1908(81)	1957(81)
207(62)	1248(63)	1734(74)	1837(GEN)	1910(71)	1958(74)
445(96)	1266(73)	1735(95,97)	1842(61)	1911(62)	1959(76)
495(62)	1267(73)	1736(63)	1843(61)	1914(96,97)	1960(74)
496(62)	1330(62)	1743(63)	1857(95)	1922(63)	1961(GEN)
506(62)	1371(71,93)	1745(96)	1858(94,95)	1928(74)	1962(63)
515(73)	1395(62)	1749(71)	1864(61)	1930(81,97)	
525(73,74)	1398(74)	1777(63)	1865(95)	1934(74)	
638(62)	1485(22)	1781(76,83)	1866(62)	1935(GEN)	
667(62)	1514(62)	1782(71)	1867(94,95)	1936(63)	
760(63)	1518(62)	1783(74)	1868(94,95)	1937(63)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

HYDROPAC WARNINGS issued from 051200Z to 131200Z November 2003.

1928/03(74). AUSTRALIA-NORTHWEST COAST.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V ROCKWATER II IN 20-43.4S 114-59.0E.
2.5 MILE BERTH REQUESTED.

(051925Z NOV 2003)

1929/03. CANCELED.

1930/03(81,97). NORTH PACIFIC.

1. SURVEY OPERATIONS 11 THRU 28 NOV BY
M/V HAKUHO MARU TOWING 1000 METER
LONG CABLE IN AREA BETWEEN
25-00N 28-00N AND 142-30E 144-00E.
2. CANCEL HYDROPAC 1710/03(GEN).
3. CANCEL THIS MSG 29 NOV.

(061050Z NOV 2003)

1931/03 thru 1933/03. CANCELED.

1934/03(74). AUSTRALIA-NORTHWEST COAST.

1. DERELICT SEVEN METER VESSEL PARTIALLY SUBMERGED AND
ADRIFT VICINITY 16-27.9S 120-56.6E AT 072300Z NOV.
2. CANCEL THIS MSG 15 NOV.

(080610Z NOV 2003)

1935/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 081200Z NOV 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 1687(81), 1688(62), 1692(63), 1697(61), 1699(63),
1700(62), 1717(84), 1732(75), 1733(75), 1734(74), 1735(95,97),
1736(63), 1743(63), 1745(96), 1749(71), 1764(GEN), 1777(63),
1781(76,83), 1782(71), 1783(74), 1785(96), 1791(93), 1794(62),
1799(83,76), 1801(96), 1803(74), 1806(61), 1809(62), 1811(74),
1818(75), 1819(61), 1820(61), 1821(83), 1829(93), 1834(73,74),
1837(GEN), 1842(61), 1843(61), 1857(95), 1858(94,95), 1864(61),
1865(95), 1866(62), 1867(94,95), 1868(94,95), 1869(95), 1870(96),
1871(74), 1872(81), 1877(63), 1880(GEN), 1887(81), 1890(81),
1892(73), 1893(73), 1897(63), 1898(63), 1899(62), 1903(95),
1904(74), 1906(19,97), 1908(81), 1910(71), 1911(62),
1914(96,97), 1921(94,97), 1922(63), 1924(94), 1928(74),

SECTION III

- 1929(75), 1930(81,97), 1933(74), 1934(74).
 2. THE SUMMARY OF ALL HYDROPOAC MESSAGES IN FORCE AS OF
 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS
 ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED
 IN NM 13/03, 26/03 AND 39/03.
 3. CANCEL HYDROPOAC 1624/03, 1632/03, 1635/03, 1645/03,
 1650/03, 1657/03, 1896/03.

(081220Z NOV 2003)

1936/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 30 NOV
 BY M/V C-EXPLORER TOWING THREE 4000 METER
 LONG CABLES IN AREA BOUND BY
 19-57.8N 071-42.3E, 20-05.0N 071-39.0E,
 20-09.8N 071-50.5E, 20-10.9N 071-50.3E,
 20-18.6N 072-08.6E, 20-13.4N 072-09.3E,
 20-06.8N 071-53.6E, 20-03.2N 071-55.2E.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 01 DEC.

(081240Z NOV 2003)

1937/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 11 AND 14 NOV
 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 NOV.

(081250Z NOV 2003)

1938/03. CANCELED.

1939/03(23,29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 08 NOV:
 A. A-38A, 22 MILES BY 48 MILES IN 57-54S 040-42W.
 B. A-43A, 14 MILES BY 35 MILES IN 65-36S 057-06W.
 C. A-43F, 22 MILES BY 44 MILES IN 66-30S 058-48W.
 D. A-48, NINE MILES BY TEN MILES IN 57-00S 043-18W.
 2. CANCEL THIS MSG 15 NOV.

(081544Z NOV 2003)

1940/03 thru 1943/03. CANCELED.

1944/03(74). AUSTRALIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
 BY M/V PACIFIC SWORD TOWING 1.5 MILE LONG CABLE
 IN AREA BETWEEN 28-25S 29-00S AND 113-53E 114-28E.
 FOUR MILE BERTH REQUESTED.
 2. CANCEL HYDROPOAC 1904/03.

(101735Z NOV 2003)

1945/03. CANCELED.

1946/03(75). AUSTRALIA-SOUTHEAST COAST.

1. PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER
 NOTICE BY BARGE SEMAC 1 VICINITY
 MINERVA WELLS (38-42.8S 142-57.5E).
 2. CANCEL HYDROPOAC 1929/03.

(120045Z NOV 2003)

1947/03(75). AUSTRALIA-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
 BY M/V ORIENT EXPLORER TOWING 2.5 MILE LONG
 CABLE IN AREA BETWEEN 38-45S COASTLINE AND
 141-15E 141-55E. WIDE BERTH REQUESTED.
 2. CANCEL HYDROPOAC 1818/03.

(120120Z NOV 2003)

1948/03(96). SEA OF JAPAN. RUSSIA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 25 NOV
 BY M/V ZEPHYR I TOWING 5000 METER LONG
 CABLE IN AREA BOUND BY
 42-11N 131-12E, 42-26N 131-08E,
 43-03N 132-17E, 42-39N 132-15E,
 42-37N 132-40E, 42-20N 132-14E.
 THREE MILE BERTH REQUESTED.
 2. CANCEL THIS MSG 26 NOV.

(121020Z NOV 2003)

SECTION III

NM 48/03

1949/03(74). AUSTRALIA-NORTHWEST COAST.

CHART 74455 (3RD ED).

1. BROWSE ISLAND LIGHT 14-06.2S 123-32.9E CHANGED TO:
FL (2) W 10 SEC 11 METERS 11 MILES.
2. CANCEL HYDROPAC 1871/03.

(121040Z NOV 2003)

1950/03(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY
12 AND 13 NOV WITHIN 75 MILES OF
08-31.9N 076-52.1E.
2. CANCEL THIS MSG 131700Z NOV.

(121150Z NOV 2003)

1951/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 06 DEC BY
M/V GEO BALTIK TOWING FOUR 5500 METER
LONG CABLES IN AREA BOUND BY
18-47.1N 072-05.4E, 18-37.5N 072-09.4E,
18-29.5N 071-47.2E, 18-39.0N 071-43.4E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 07 DEC.

(121400Z NOV 2003)

1952/03(61). INDIAN OCEAN.

CABLE OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP CHAMAREL IN AREA BOUND BY
20-53.0S 057-57.0E, 20-52.8S 058-05.0E,
20-46.0S 058-14.0E. WIDE BERTH REQUESTED.

(121445Z NOV 2003)

1953/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY 14 THRU 21 NOV
IN AREA BETWEEN 15-13N 15-11N AND 073-57E 073-52E.
2. CANCEL THIS MSG 211330Z NOV.

(121630Z NOV 2003)

1954/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 15 THRU 21 NOV
WITHIN 25 MILES OF 14-01.0N 074-19.6E.
2. CANCEL THIS MSG 211230Z NOV.

(121730Z NOV 2003)

1955/03(22). SOUTH PACIFIC.

1. DERELICT F/V PARTIALLY SUBMERGED AND
ADRIFT IN 08-31S 079-58W.
2. CANCEL THIS MSG 19 NOV.

(121800Z NOV 2003)

1956/03(22). SOUTH PACIFIC.

DISTRESS SIGNAL RECEIVED VICINITY 12-29S 078-10W.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
ANY COASTAL RADIO STATION.

(121830Z NOV 2003)

1957/03(81). NORTH PACIFIC.

1. DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 03-48.2N 151-40.5E
AT 122307Z NOV. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS
TO RCC GUAM, TELEX: 392401, PHONE: 671 339 6100.
2. CANCEL HYDROPAC 1870/03(96).

(130040Z NOV 2003)

1958/03(74). AUSTRALIA-NORTHWEST COAST.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V CSO VENTURER IN AREA BOUND BY
19-36S 116-04E, 19-36S 116-14E,
20-01S 116-35E, 20-01S 116-25E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 1942/03.

(130148Z NOV 2003)

1959/03(76). NEW ZEALAND. SOUTH ISLAND-NORTH COAST.

CHART 76070 (9TH ED).

CAPE CAMPBELL LIGHT 41-43.8S 174-16.5E RANGE REDUCED TO 19 MILES.

(130219Z NOV 2003)

SECTION III

1960/03(74). AUSTRALIA-NORTHEAST COAST.
CHART 74261 (9TH ED).
DANGEROUS WRECK VICINITY 15-41.4S 145-21.6E.

(130243Z NOV 2003)

1961/03(GEN). GPS SATELLITE SYSTEM.
PRN 23 UNUSABLE.

(130310Z NOV 2003)

1962/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY
17 THRU 30 NOV 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 HYDROPAC 1945/03(75), AID RESTORED.
3. CANCEL THIS MSG 301630Z NOV.

(130840Z NOV 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 November 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

SPECIAL WARNINGS

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

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 13 November 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION**ELECTRONIC CHART/PUBLICATION CORRECTION RECORD CARD**

A printable PDF version of the Chart/Publication Correction Record Card (NIMA Reference No. MISCP86609) can now be downloaded from the Maritime Safety Information Web site by selecting the *Miscellaneous Navigation Products* link. An electronic form is also provided for owners of the full version of Adobe Acrobat. Using the e-form, users can now manage and maintain their Chart/Publication Correction Record Cards electronically.

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address

Date of Observation _____ Time of Observation (Local)_____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

Sounding sensor or method used

Sounding(s) corrected for draft: Yes No

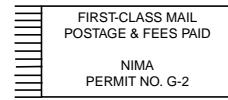
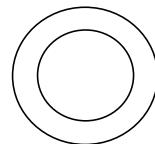
Details of Information Reported (continue on additional sheets as necessary) _____

Digitized by srujanika@gmail.com

User Feedback (continue on additional sheets as necessary)



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



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 _____

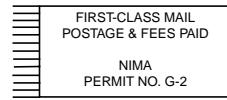
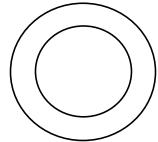
Sounding sensor or method used _____

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

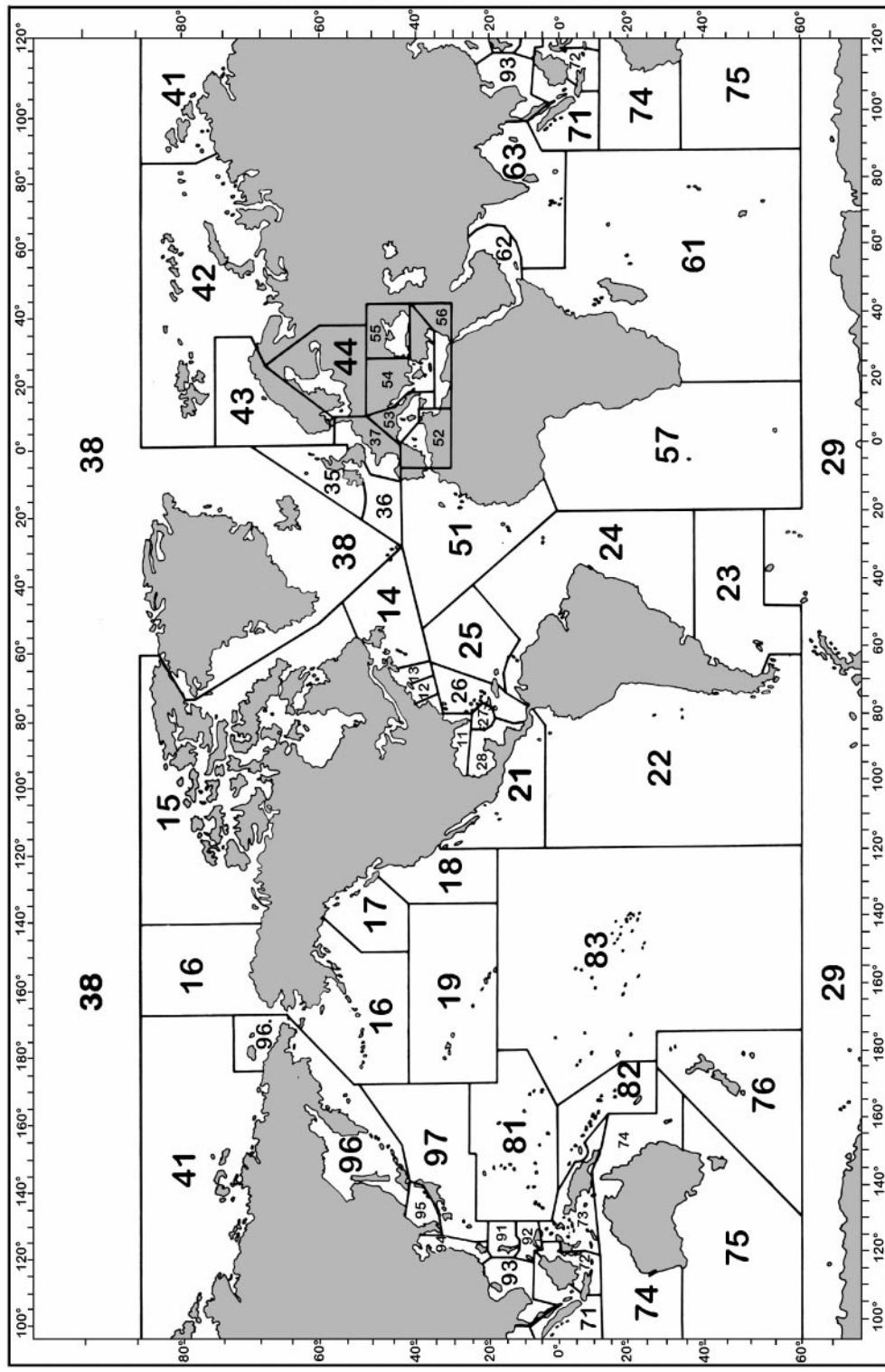
Details of Information Reported (continue on additional sheets as necessary): _____



**MARITIME SAFETY INFORMATION DIVISION
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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 Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

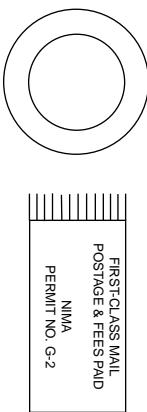
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT
NAVIGATIONAL INFORMATION
TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY