



No. 45



8 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

Contents

Section I

Chart Corrections I-1.1
 Chartlets / Depth Tabulations / Notes I-2.1
 Charts Affected by Notice to Mariners I-3.1

Section II

NIMA Hydrographic Products Catalog Corrections II-1.1
 Navigation Publications Corrections II-2.1
 USCG Light List Corrections / Radiobeacon Corrections II-3.1
 NIMA List of Lights / Radiobeacon / DGPS Corrections II-4.1
 Publications Affected by Notice to Mariners II-5.1

Section III

Broadcast Warnings / MARAD Advisories / Special Warnings III-1.1
 Marine Information III-2.1

**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 resupply 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 45/03

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

8 November 2003

DISCONTINUANCE OF 121.5 AND 243 MHZ FOR SATELLITE DISTRESS ALERTS TO BEGIN

THE INTERNATIONAL COSPAS-SARSAT PROGRAM HAS ANNOUNCED PLANS TO TERMINATE SATELLITE PROCESSING OF DISTRESS SIGNALS FROM 121.5 AND 243 MHZ EMERGENCY BEACONS. SEE SECTION III.

EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

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

T indicates that it is temporary in nature.

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

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

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

Courses and bearings are given in degrees true.

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION I
CHART CORRECTIONS**

NM 45/03

600 (INT 600)	5Ed. 1/8/94	LAST NM 29/01	45/03	★11324 32Ed. 3/16/02	LAST NM 42/03	45/03
Delete	Depth 36 meters “(1986)” (PD), dotted-line circle area and blue tint centered	31°59’S 166°55’E		Add	Purple solid line joining	29°20’38.2”N 94°46’08.8”W 29°21’06.1”N 94°47’00.2”W 29°21’24.0”N 94°46’34.0”W 29°21’14.3”N 94°45’50.9”W
	(19(125)03 Wellington)					
607 (INT 607)	1Ed. 12/11/76	LAST NM 17/03	45/03		Legend “ANCHORAGE AREA (C) 110.197 (see note A)”	29°21’07.0”N 94°46’25.0”W
Delete	Depth 400 meters	23°04’S 137°24’W		(NOS)		
	Depth 9 meters	23°41’S 134°29’W				
	Danger circle (ED), blue tint and legend “Bertero”	22°02’S 133°28’W		11326 31Ed. 10/02	LAST NM 38/03	45/03
	Dotted-line circle (PA) and legend “Discol Water (Rep 1990)”	25°54’S 134°14’W		Add	Purple solid line joining	29°20’38”N 94°46’09”W 29°21’06”N 94°47’00”W 29°21’24”N 94°46’34”W 29°21’14”N 94°45’51”W
Add	Depth 340 meters enclosed by depth contour (1000-meter) centered	23°00’S 137°27’W			Legend “ANCH AREA C” (See 21/03-11326)	29°21’06”N 94°46’39”W
	(19(128)03 Wellington)			(NOS)		
1116A	Ed. 6/03	LAST NM 38/03	45/03	★11330 14Ed. 11/02	LAST NM 38/03	45/03
Delete	Dangerous wreck “(2fms rep)”	28°52.3’N 94°42.2’W		Delete	Dangerous wreck (PA)	28°52.0’N 94°42.2’W
	Dangerous wreck (PA)	28°55.6’N 94°39.0’W			Dangerous wreck (PA)	28°55.6’N 94°39.0’W
	Swept depth 8¾ fathoms Wk	29°04.1’N 94°40.7’W			Swept depth 53 feet Wk	29°04.0’N 94°40.6’W
	Dangerous wrecks (2) (PA) in vicinity	29°05.8’N 94°42.8’W			Dangerous wreck (PA)	29°05.7’N 94°42.6’W
	Dangerous wreck (PA)	29°07.0’N 94°39.5’W			Dangerous wreck (PA)	29°05.8’N 94°43.2’W
	Dangerous wreck (PA)	29°08.0’N 94°41.0’W			Dangerous wreck (PA)	29°07.0’N 94°39.5’W
Substitute	Depth 7½ fathoms Wk [K26] for dangerous wreck “(3fms rep)” (PA)	28°58.2’N 94°39.6’W			Dangerous wreck (PA)	29°08.0’N 94°41.0’W
Add	Submarine pipeline [L40.1] between	27°50.1’N 92°33.3’W 27°52.1’N 92°33.3’W		Substitute	Depth 45 feet Wk [K26] for dangerous wreck “(20...1993)” (PA)	28°58.2’N 94°39.6’W
	Depth 9¼ fathoms Wks [K26]	29°02.6’N 94°41.7’W		Add	Depth 55 feet Wks [K26]	29°02.5’N 94°41.5’W
(NOS)				(NOS)	Depth 56 feet Obstn [K41]	29°02.6’N 94°41.8’W
1117A	Ed. 4/03	LAST NM 44/03	45/03	★11340 68Ed. 6/03	LAST NM 38/03	45/03
Delete	Dangerous wreck “(2fms rep)”	28°52.0’N 94°42.2’W		Delete	Dangerous wreck “(2fms rep)”	28°52.3’N 94°42.2’W
	Dangerous wreck (PA)	28°55.6’N 94°39.0’W			Dangerous wreck (PA)	28°55.6’N 94°39.0’W
	Swept depth 8¾ fathoms Wk	29°04.0’N 94°40.7’W			Swept depth 8¾ fathoms Wk	29°04.1’N 94°40.7’W
	Dangerous wrecks (2) (PA) in vicinity	29°05.8’N 94°42.9’W			Dangerous wrecks (2) (PA) in vicinity	29°05.8’N 94°42.8’W
	Dangerous wreck (PA)	29°07.0’N 94°39.5’W			Dangerous wreck (PA)	29°07.0’N 94°39.5’W
	Dangerous wreck (PA)	29°08.0’N 94°41.0’W			Dangerous wreck (PA)	29°08.0’N 94°41.0’W
Substitute	Depth 7½ fathoms Wk [K26] for dangerous wreck “(3fms rep)” (PA)	28°58.2’N 94°39.6’W		Substitute	Depth 7½ fathoms Wk [K26] for dangerous wreck “(3fms rep)” (PA)	28°58.2’N 94°39.6’W
Add	Depth 9¼ fathoms Wks [K26]	29°02.6’N 94°41.7’W		Add	Submarine pipeline [L40.1] between	27°50.1’N 92°33.3’W 27°52.1’N 92°33.3’W
(NOS)				(NOS)	Depth 9¼ fathoms Wks [K26]	29°02.6’N 94°41.7’W
11300 39Ed. 4/03	LAST NM 44/03	45/03	★11353 2Ed. 3/16/02	LAST NM 43/03	45/03	
Delete	Dangerous wreck “(2fms rep)”	28°52.0’N 94°42.2’W		Delete	Depth 13 feet	29°33’45.6”N 89°14’57.7”W
	Dangerous wreck (PA)	28°55.6’N 94°39.0’W		Substitute	Depth 9 feet for 12 feet	29°34’46.6”N 89°16’25.8”W
	Swept depth 8¾ fathoms Wk	29°04.0’N 94°40.7’W			Depth 12 feet for 14 feet	29°32’43.1”N 89°13’29.5”W
	Dangerous wrecks (2) (PA) in vicinity	29°05.8’N 94°42.9’W		Add	Depth 10 feet	29°33’49.4”N 89°15’07.8”W
	Dangerous wreck (PA)	29°07.0’N 94°39.5’W			Depth 11 feet	29°32’55.8”N 89°13’32.5”W
	Dangerous wreck (PA)	29°08.0’N 94°41.0’W		(NOS)	Depth 12 feet	29°31’56.5”N 89°12’01.8”W
Substitute	Depth 7½ fathoms Wk [K26] for dangerous wreck “(3fms rep)” (PA)	28°58.2’N 94°39.6’W		11363 38Ed. 3/30/02	LAST NM 43/03	45/03
Add	Depth 9¼ fathoms Wks [K26]	29°02.6’N 94°41.7’W		Delete	Depth 13 feet	29°33’48”N 89°14’59”W
(NOS)				Substitute	Depth 9 feet for 12 feet	29°34’47”N 89°16’26”W
★11323 59Ed. 3/30/02	LAST NM 42/03	45/03			Depth 12 feet for 14 feet	29°32’43”N 89°13’30”W
Delete	Swept depth 53 feet Wk	29°03’59”N 94°40’37”W		Add	Depth 10 feet	29°33’49”N 89°15’08”W
	Dangerous wreck (PA)	29°05’48”N 94°42’35”W			Depth 11 feet	29°32’56”N 89°13’32”W
	Dangerous wreck (PA)	29°05’48”N 94°43’12”W		(NOS)	Depth 12 feet	29°31’57”N 89°12’02”W
	Dangerous wreck (PA)	29°07’00”N 94°39’30”W				
	Dangerous wreck (PA)	29°08’01”N 94°41’01”W				
Substitute	Depth 45 feet Wk [K26] for dangerous wreck “(20...1993)” (PA)	28°58’11”N 94°39’38”W				
Add	Depth 55 feet Wks [K26]	29°02’30”N 94°41’32”W				
	Depth 56 feet Obstn [K41]	29°02’38”N 94°41’48”W				
	Purple solid line joining	29°20’38”N 94°46’09”W 29°21’06”N 94°47’00”W 29°21’24”N 94°46’34”W 29°21’14”N 94°45’51”W				
(NOS)	Legend “ANCH AREA (C)”	29°21’08”N 94°46’37”W				

NM 45/03

SECTION I

11367	32Ed. 8/03	LAST NM 38/03	45/03	Add	Buoy "2WC" R, QR (Priv)	37°20'11.6"N 77°16'15.7"W	
	Change	Note to			(34, 35/03 CG5)		
		"NOTE					
		MISSISSIPPI RIVER GULF OUTLET					
		The controlling depths from the intersection					
		with the G.I.W.W. to the Inner Harbor					
		Navigation Canal are as follows:					
		Left quarter.....26 ft x 125 ft					
		Middle half.....28 ft x 250 ft					
		Right quarter.....30 ft x 125 ft					
		Jan.-Aug. 2003"					
	(NOS)	29°58'14"N 89°59'07"W					
★11368	22Ed. 7/02	LAST NM 35/03	45/03				
	Change	Note to					
		"NOTE					
		MISSISSIPPI RIVER GULF OUTLET					
		The controlling depths from the intersection					
		with the G.I.W.W. to the Inner Harbor					
		Navigation Canal are as follows:					
		Left quarter.....26 ft x 125 ft					
		Middle half.....28 ft x 250 ft					
		Right quarter.....30 ft x 125 ft					
		Jan.-Aug. 2003"					
	(NOS)	29°59'35"N 90°00'25"W					
		(Supersedes 23/03-11368)					
11534	32Ed. 3/03	LAST NM 36/03	45/03				
	Change	Characteristic of range light, rear to Iso R 6s					
		33°54'08"N 78°00'12"W					
		Range light, front to QR 10ft, QR 12ft 3M					
		33°53'42"N 78°00'16"W					
		Period of light "2C" to 4s					
		33°59'49"N 77°56'47"W					
		Period of light "9S" to 2.5s					
		34°00'01"N 77°57'14"W					
	(32/03 CG5)						
★11537	34Ed. 4/03	LAST NM 43/03	45/03				
	Substitute	Buoy "61" G, Fl G 4s for light "61"					
		31°11'37"N 77°57'27"W					
		Buoy "59" G, Fl G 4s for light "59"					
		34°10'26"N 77°57'34"W					
		(See 23/03-11537)					
	Change	Characteristic of range light, rear to Iso R 6s					
		33°54'06"N 78°00'12"W					
		Range light, front to QR 10ft, QR 12ft 3M					
		33°53'42"N 78°00'16"W					
		Period of light "2C" to 4s					
		33°59'46"N 77°56'47"W					
		Period of light "9S" to 2.5s					
		34°00'01"N 77°57'13"W					
	Add	Tabulation of controlling depths from					
		Subsection I-2					
	(NOS; 32/03 CG5)						
12221	74Ed. 5/03	LAST NM 41/03	45/03	Delete	Danger circle (PA), buoy and legend "Obstn"	37°09'32"N 76°07'59"W	
							(35/03 CG5)
★12224	23Ed. 12/02	LAST NM 33/03	45/03	Delete	Danger circle (PA), buoy and legend "Obstn"	37°09'33"N 76°08'00"W	
							(35/03 CG5)
★12233	35Ed. 11/02	LAST NM 34/03	45/03	Relocate	Beacon "4" from 38°00'40"N 76°32'23"W to	38°00'39"N 76°32'26"W	
	Change	Light to "3" Fl G 4s 17ft 4M					
		38°07'53"N 76°28'54"W					
		Light to "4" Fl R 2.5s 17ft 3M					
		38°08'04"N 76°29'19"W					
	(35/03 CG5)						
★12252	23Ed. 5/12/01	LAST NM 35/03	45/03	Relocate	Light "127" from 37°20'24.5"N 77°16'10.9"W	37°20'26.0"N 77°16'13.7"W	
							(See 17/03-12252)
12280	3Ed. 7/02	LAST NM 44/03	45/03	Delete	Danger circle, buoy and legend "Obstn"	37°09.5'N 76°08.0'W	
							(See 47/02-12280)
							(35/03 CG5)
12285	35Ed. 1/03	LAST NM 36/03	45/03	Change	Light to "4" Fl R 2.5s 17ft 3M	38°08'04"N 76°29'19"W	
							(Page B, Inset 3)
	Add	Visibility (range) 4M to light "3"				38°07'53"N 76°28'54"W	
							(Page B, Inset 4)
	Relocate	Beacon "4" from 38°00'40"N 76°32'23"W to				38°00'39"N 76°32'26"W	
							(35/03 CG5)
12372	31Ed. 8/02	LAST NM 36/03	45/03	Substitute	Buoy "1" G, can for beacon "1"	41°19'10.2"N 72°10'55.2"W	
							(Page B, Inset 2)
							(35/03 CG1)
13003	47Ed. 6/03	LAST NM 44/03	45/03	Add	Danger circle [K1]	42°35.5'N 69°01.7'W	
							(35/03 CG1)
13006	31Ed. 6/03	LAST NM 44/03	45/03	Add	Danger circle [K1]	42°35.5'N 69°01.7'W	
							(35/03 CG1)
13009	30Ed. 8/02	LAST NM 44/03	45/03	Add	Danger circle [K1]	42°35.5'N 69°01.7'W	
							(35/03 CG1)
13200	33Ed. 1/19/02	LAST NM 44/03	45/03	Add	Purple dashed-line circle with legend	42°35.5'N 69°01.7'W	
					"Unexploded ordnance"		(35/03 CG1)
13201	10Ed. 8/10/96	LAST NM N44/03	N45/03	Add	Purple dashed-line circle with legend	42°35.5'N 69°01.7'W	
					"Unexploded ordnance"		(35/03 CG1)
★13211	13Ed. 8/24/91	LAST NM 47/02	45/03	Substitute	Buoy "1" G, can for beacon "1"	41°19'10.2"N 72°10'55.2"W	
							(35/03 CG1)
★13260	39Ed. 6/03	LAST NM 42/03	45/03	Change	Visibility (range) of light to 7M	43°55.0'N 69°15.6'W	
	Add	Purple dashed-line circle with legend				42°35.5'N 69°01.7'W	
		"Unexploded ordnance"					(35/03 CG1)
13263	7Ed. 4/24/99	LAST NM N42/03	N45/03	Change	Visibility (range) of light to 7M	43°55.1'N 69°15.6'W	
	Add	Purple dashed-line circle with legend				42°35.5'N 69°01.7'W	
		"Unexploded ordnance"					(35/03 CG1)
★13275	28Ed. 9/03	NEW EDITION	45/03				(NOS)
13288	40Ed. 2/2/02	LAST NM 44/03	45/03	Change	Visibility (range) of light to 7M	43°55'02"N 69°15'40"W	
							(35/03 CG1)
★13301	20Ed. 3/1/97	LAST NM 42/03	45/03	Change	Visibility (range) of light to 7M	43°55'03"N 69°15'41"W	
							(35/03 CG1)

SECTION I

NM 45/03

13302	21Ed. 11/3/01	LAST NM 42/03	45/03
Change	Visibility (range) of light to 7M	43°55'02"N 69°15'38"W	(35/03 CG1)
★14905	30Ed. 8/03	NEW EDITION	45/03
Change	Visibility (range) of light "2" to 6 St M	41°38.9'N 87°08.8'W	
Add	Buoy "C" W Or (Priv)	41°58'40"N 86°34'34"W	
	(Inset)		
Change	Visibility (range) of light "2" to 6 St M	41°38'56"N 87°08'45"W	(NOS; 14, 35/02 CG9)
★18421	45Ed. 12/02	LAST NM 39/03	45/03
Change	Designation of buoy to "8"	48°19'56"N 122°31'25"W	
	Designation of light to "14"	48°22'26"N 122°33'48"W	
	Designation of light to "16"	48°23'45"N 122°34'43"W	
	Designation of buoy to "10"	48°20'24"N 122°32'05"W	
	Designation of buoy to "12"	48°21'07"N 122°32'59"W	(36/03 CG13)
18423	33Ed. 10/02	LAST NM 43/03	45/03
	(Page A)		
Change	Designation of light to "14"	48°22'28"N 122°33'49"W	
	Designation of light to "16"	48°23'46"N 122°34'42"W	
	Designation of buoy to "12"	48°21'08"N 122°32'59"W	
	Designation of buoy to "10"	48°20'24"N 122°32'05"W	
	(Page B, Inset 3)		
Change	Designation of light to "14"	48°22'26"N 122°33'48"W	
	Designation of light to "16"	48°23'45"N 122°34'43"W	
	Designation of buoy to "12"	48°21'08"N 122°32'59"W	(36/03 CG13)
★18424	25Ed. 7/12/97	LAST NM 7/03	45/03
Add	Tabulation of controlling depths from Subsection I-2		(NOS)
★18427	21Ed. 6/02	LAST NM 19/03	45/03
Change	Designation of light to "14"	48°22'25.6"N 122°33'47.7"W	
	Designation of light to "16"	48°23'45.3"N 122°34'43.0"W	
	Designation of buoy to "10"	48°20'24.0"N 122°32'04.5"W	
	Designation of buoy to "12"	48°21'07.4"N 122°32'58.6"W	(36/03 CG13)
18440	26Ed. 12/02	LAST NM 38/03	45/03
Change	Buoy to "TB" Y, Fl Y 2.5s	47°23.2'N 122°21.2'W	
	Designation of buoy to "8"	48°19.9'N 122°31.4'W	(34, 36/03 CG13)
18441	43Ed. 7/03	LAST NM 39/03	45/03
Change	Visibility (range) of light "3" to 5M	47°40'38"N 122°24'46"W	
	Designation of buoy to "8"	48°19'56"N 122°31'23"W	(35, 36/03 CG13)
18445	29Ed. 2/24/01	LAST NM 42/03	45/03
	(Page A)		
Change	Visibility (range) of light "3" to 5M	47°40'40"N 122°24'43"W	
	(Page C)		
Change	Buoy to "TB" Y, Fl Y 2.5s	47°23'04"N 122°21'12"W	(34, 35/03 CG13)
★18446	15Ed. 4/18/98	LAST NM 19/03	45/03
Change	Visibility (range) of light "3" to 5M	47°40'39.0"N 122°24'44.0"W	(35/03 CG13)
18448	32Ed. 8/25/01	LAST NM 36/03	45/03
Change	Buoy to "TB" Y, Fl Y 2.5s	47°23'06"N 122°21'12"W	(34/03 CG13)
18473	7Ed. 12/02	LAST NM 38/03	45/03
Change	Visibility (range) of light "3" to 5M	47°40'38"N 122°24'43"W	(35/03 CG13)
★18474	7Ed. 8/02	LAST NM 38/03	45/03
Change	Buoy to "TB" Y, Fl Y 2.5s	47°23'06"N 122°21'12"W	(34/03 CG13)
37032	2Ed. 9/12/98	LAST NM 43/03	45/03
Delete	Depth 20 meters Wk (PD)	43°59.2'N 1°29.5'W	
Add	Depth 165 meters Wk [K30] (unsurveyed)	43°41.0'N 1°38.2'W	
	Depth 20 meters Wk [K30] (unsurveyed)	43°58.7'N 1°27.8'W	(22(19)03 Brest)
37120	2Ed. 3/22/97	LAST NM 44/03	45/03
Substitute	Depth 9.9 meters for 10.1 meters	51°36.1'N 3°07.9'E	
Add	Submarine cable [L30.1] joining	51°34.2'N 3°16.0'E	
		51°33.9'N 3°13.7'E	
		51°33.4'N 3°11.9'E	
		51°33.1'N 3°04.6'E	
		51°33.5'N 3°03.0'E	
		51°35.1'N 3°02.0'E	
		51°34.9'N 2°56.3'E	
		51°34.6'N 2°54.8'E	
		51°34.2'N 2°54.3'E	
		51°33.1'N 2°50.0'E	
		51°33.1'N 2°47.2'E	
		51°34.6'N 2°40.9'E	
		51°35.1'N 2°36.6'E	
		51°35.0'N 2°35.1'E	
		51°34.2'N 2°33.0'E	
		51°33.5'N 2°28.5'E	
		51°31.9'N 2°12.5'E	
		51°31.3'N 2°10.0'E	
		51°31.5'N 2°07.0'E	
		51°30.5'N 1°53.2'E	
		51°31.6'N 1°48.7'E	
		51°31.6'N 1°47.3'E	
		51°30.4'N 1°39.4'E	
		51°28.0'N 1°34.6'E	
		51°24.6'N 1°31.0'E	
		51°24.1'N 1°29.3'E	
		51°22.8'N 1°26.8'E	
	Depth 9.3 meters	51°36.7'N 3°08.9'E	
	Buoy (wavemeter) Y, spherical, "X" topmark, Fl(5) Y 20s	51°21.0'N 2°42.4'E	(45(541)99, 5(86)00 's-Gravenhage; 13(127)03 Oostende)
37122	12Ed. 5/17/97	LAST NM 44/03	45/03
Add	Submarine cable [L30.1] joining	51°27'29"N 1°33'42"E	
		51°24'38"N 1°31'00"E	
		51°24'08"N 1°29'17"E	
		51°22'47"N 1°26'48"E	(45(541)99 's-Gravenhage)
37129	6Ed. 5/31/97	LAST NM 42/03	45/03
Add	Buoy (wavemeter) Y, spherical, "X" topmark, Fl(5) Y 20s	51°21'00.0'N 2°42'21.0'E	(13(127)03 Oostende)
37134	5Ed. 1/16/99	LAST NM 38/02	45/03
Add	Depth 1.8 meters	51°23'21.0'N 0°30'48.0'E	(40(4287)03 Taunton)
37140	33Ed. 5/25/96	LAST NM 44/03	45/03
Add	Submarine cable [L30.1] joining	51°32.8'N 2°21.9'E	
		51°31.9'N 2°12.5'E	
		51°31.3'N 2°10.0'E	
		51°31.5'N 2°07.0'E	
		51°30.5'N 1°53.2'E	
		51°31.6'N 1°48.7'E	
		51°31.6'N 1°47.3'E	
		51°30.4'N 1°39.4'E	

(continued on next page)

37140 (Continued)

51°28.0'N 1°34.6'E
 51°24.6'N 1°31.0'E
 51°24.1'N 1°29.3'E
 51°22.8'N 1°26.8'E

(45(541)99 's-Gravenhage)

37141 29Ed. 10/21/95 LAST NM 31/03 45/03
 Add Submarine cable [L30.1] joining

51°28'30"N 1°35'42"E
 51°27'58"N 1°34'36"E
 51°24'38"N 1°31'00"E
 51°24'08"N 1°29'17"E
 51°22'47"N 1°26'48"E

(45(541)99 's-Gravenhage)

37162 12Ed. 5/18/96 LAST NM 43/03 45/03
 Substitute Depth 23.6 meters Wk for 27 meters Wk

51°58.8'N 3°30.1'E

Depth 23 meters Wk for 22.5 meters Wk

52°15.3'N 3°40.9'E

Depth 23.5 meters Wk for 21 meters Wk

52°15.3'N 3°41.6'E

Foul ground symbol [K31] for depth 27 meters Wk

52°19.1'N 3°42.2'E

Platform (lighted) [L2] "Q4-C" for depth 18.5 meters and legend "Well Rep (2001)"

52°49.5'N 4°17.0'E

(8(112)00, 28(383)03 's-Gravenhage)

37165 2Ed. 2/3/96 LAST NM 43/03 45/03
 Add Platform (lighted) [L2] "K7-FB-1"

53°37.5'N 3°04.1'E

(28(382)03 's-Gravenhage)

37166 2Ed. 7/13/96 LAST NM 43/03 45/03
 Substitute Foul ground symbol [K31] for depth 27 meters Wk

52°19.1'N 3°42.2'E

Platform (lighted) [L2] "Q4-C" for depth 18.5 meters and legend "Well Rep (2001)"

52°49.5'N 4°17.0'E

Add Depth 23.6 meters Wk [K26] 51°58.8'N 3°30.1'E
 Platform (lighted) [L2] "K7-FB-1" 53°37.5'N 3°04.1'E
 (8(112)00, 28(382, 383)03 's-Gravenhage)

37175 2Ed. 3/22/97 LAST NM 30/03 45/03
 Add Platform (lighted) [L2] "K7-FB-1"

53°37.8'N 3°04.1'E

(28(382)03 's-Gravenhage)

37238 6Ed. 10/17/98 LAST NM 41/03 45/03
 Delete Depth 7.1 meters

52°58'28"N 4°43'08"E

Substitute Depth 8.9 meters for 13 meters 52°59'26"N 4°42'15"E
 Depth 14.8 meters for 23.5 meters 52°59'08"N 4°42'34"E

Add Depth 1.9 meters 53°00'05"N 4°41'36"E
 Depth 1.8 meters 52°59'43"N 4°41'50"E
 Depth 1.2 meters 52°59'16"N 4°42'10"E
 Depth 4.6 meters 52°58'30"N 4°43'04"E
 Depth 9.8 meters 52°58'36"N 4°43'29"E
 (8(114)00 's-Gravenhage)

37241 17Ed. 8/2/97 LAST NM 43/03 45/03
 Delete Depth 15.3 meters

52°03'38"N 4°04'15"E

Add Depth 7.2 meters 52°03'46"N 4°04'16"E
 (5(85)00 's-Gravenhage)

37244 11Ed. 2/1/97 LAST NM 43/03 45/03
 Substitute Depth 23.6 meters Wk [K26] for 27 meters Wk

51°58.8'N 3°30.1'E

Depth 9.9 meters for 10.1 meters

51°36.1'N 3°07.9'E

Add Submarine cable [L30.1] joining 51°33.8'N 3°29.3'E
 51°35.3'N 3°26.9'E
 51°34.2'N 3°16.0'E
 51°33.9'N 3°13.7'E
 51°33.4'N 3°11.9'E

51°33.1'N 3°04.6'E
 51°33.5'N 3°03.0'E
 51°35.1'N 3°02.0'E
 51°34.9'N 2°56.3'E
 51°34.6'N 2°54.8'E
 51°34.2'N 2°54.3'E
 51°33.1'N 2°50.0'E
 51°33.1'N 2°47.2'E
 51°34.6'N 2°40.9'E
 51°35.1'N 2°36.6'E
 51°35.0'N 2°35.1'E
 51°34.2'N 2°33.0'E
 51°33.5'N 2°28.5'E
 51°31.9'N 2°12.5'E
 51°31.3'N 2°10.0'E
 51°31.5'N 2°07.0'E
 51°30.8'N 1°56.0'E

Depth 9.3 meters 51°36.7'N 3°08.9'E
 (45(541)99, 5(86), 8(112)00 's-Gravenhage)

37246 14Ed. 5/16/98 LAST NM 43/03 45/03
 Add Depth 12.7 meters 51°22'17"N 4°13'09"E
 (28(380)03 's-Gravenhage)

37248 18Ed. 2/14/98 LAST NM 43/03 45/03
 Substitute Depth 9.9 meters for 10.1 meters 51°36'06.0"N 3°07'56.6"E

Add Submarine cable [L30.1] joining 51°33'46.2"N 3°29'17.4"E
 51°35'15.0"N 3°26'55.8"E
 51°34'12.0"N 3°16'00.0"E
 51°33'54.0"N 3°13'39.6"E
 51°33'23.4"N 3°11'51.6"E
 51°33'07.8"N 3°04'36.6"E
 51°33'28.8"N 3°02'59.4"E
 51°35'07.2"N 3°01'59.4"E
 51°34'55.8"N 2°56'19.2"E
 51°34'34.2"N 2°54'50.4"E
 51°34'12.6"N 2°54'17.4"E
 51°33'07.8"N 2°50'00.6"E
 51°33'04.8"N 2°47'12.0"E
 51°34'38.4"N 2°40'55.8"E
 51°34'41.0"N 2°40'32.5"E

Depth 9.3 meters 51°36'43.2"N 3°08'52.8"E
 Depth 19 meters 51°35'10.8"N 3°09'27.6"E

Buoy (wavemeter) Y, spherical, "X" topmark, Fl(5) Y 20s 51°21'00.0"N 2°42'21.0"E
 (45(541)99, 5(86)00 's-Gravenhage; 13(127)03 Oostende)

37342 3Ed. 10/5/96 LAST NM 21/03 45/03
 Delete Topmark from beacon "Kerigant" 47°37'49"N 3°27'56"W
 Whis from buoy "Les Chats" 47°35'42"N 3°23'34"W

Substitute Foul ground symbol [K31] (PA) for depth 3 meters Wk (PD) 47°36'33"N 3°25'14"W

Drying height [I15] 2.7 meters for 1.2 meters 47°43'24"N 3°59'47"W

(8(9), 43(21), 51(9)02, 5(13)03 Brest)

37344 11Ed. 5/17/97 LAST NM 38/03 45/03
 Delete WHIS from buoy "Les Chats" 47°35'42"N 3°23'34"W
 Topmark from beacon "Kerigant" 47°37'49"N 3°27'59"W

Substitute Foul ground symbol [K31] (PA) for depth 3 meters Wk (PD) 47°36'33"N 3°25'14"W

Depth 18 meters (ED) enclosed by depth contour (20-meter) for foul ground symbol (PD) 47°39'06"N 3°25'09"W

(43(21), 48(12), 51(09)02, 5(13)03 Brest)

37360 15Ed. 6/22/96 LAST NM 44/03 45/03
 Delete WHIS from buoy 47°35.7'N 3°23.6'W

Substitute Depth 9.6 meters for 10.1 meters 47°50.5'N 3°56.9'W
 (51(9)02, 2(5)03 Brest)

37443 2Ed. 4/12/97 LAST NM 38/03 45/03
 Add Depth 165 meters Wk [K30] (unsurveyed) 43°41'02.1"N 1°38'10.5"W
 (22(19)03 Brest)

SECTION I

NM 45/03

44120	7Ed. 2/22/97	LAST NM 41/03	45/03	51013	4Ed. 3/23/85	LAST NM 36/03	45/03
Change	Visibility (range) of light to 9-5M	55°59.8'N 14°36.7'E		Add	Wreck [K29]		33°33.6'N 8°24.8'W
	(13(1017)03 Norrköping)				(16(39)03 Brest)		
44165	1Ed. 10/6/90	LAST NM 39/03	45/03	51027	8Ed. 3/8/97	LAST NM 16/98	45/03
Delete	Buoy	58°42'12"N 17°13'15"E		Change	Visibility (range) of light to 6M		14°59.0'N 23°26.0'W
	Buoy	58°42'19"N 17°13'25"E					
	Buoy	58°42'49"N 17°13'54"E		Add	Light Fl(2) 15M		14°54.0'N 23°30.2'W
	Solid line (recommended track) between				(12(210)02 Cadiz)		
		58°41'20"N 17°12'12"E		51032	10Ed. 4/12/97	LAST NM 44/00	45/03
		58°42'48"N 17°14'06"E		Change	Visibility (range) of light to 6M		14°59.0'N 23°26.0'W
Change	Sectors of light between 178° and 052° to green			Add	Light Fl(2) 15M		14°54.0'N 23°30.2'W
	178°-198°, white-200°30', red-230°, green-				(12(210)02 Cadiz)		
	309°, red-000°, green-041°30', white-052°						
		58°42'09"N 17°13'30"E		51081	10Ed. 10/5/96	LAST NM 22/03	45/03
	Note: Remaining sectors unchanged			Add	Wreck [K29]		37°46.3'N 25°45.8'W
Add	Buoy R, spar, can topmark	58°42'05"N 17°13'25"E			(12(244)03 Lisboa)		
	Buoy G, spar, cone topmark	58°42'44"N 17°13'45"E		51082	7Ed. 5/11/96	LAST NM 22/03	45/03
	(17-18(1117)03 Norrköping)			Add	Wreck [K29]		37°46'18"N 25°45'49"W
44207	1Ed. 11/22/86	LAST NM 41/03	45/03		(12(244)03 Lisboa)		
	(Inset)			51142	2Ed. 7/12/97	LAST NM 40/03	45/03
Change	Light "Grundvik" to range light, front	61°17'54.0"N 17°07'48.0"E		Add	Depth 14.4 meters		38°37'41"N 9°21'49"W
	"Grundvik nedre" QG				Depth 14.8 meters		38°37'32"N 9°22'01"W
Add	Range light, rear "Grundvik ovre" Iso G 4s	61°18'15.6"N 17°07'18.0"E			(12(243)03 Lisboa)		
	Range line extending in 147° direction from			51143	4Ed. 12/15/01	LAST NM 40/03	45/03
	above rear light, dashed for 2000 meters			Add	Depth 14.4 meters		38°37'40.9"N 9°21'48.7"W
	(51-52(922)01 Norrköping)				Depth 14.5 meters		38°37'36.7"N 9°21'55.3"W
					Depth 14.8 meters		38°37'31.9"N 9°22'01.3"W
					(12(243)03 Lisboa)		
44220	5Ed. 8/23/97	LAST NM 40/03	45/03	51160	20Ed. 9/22/90	LAST NM 22/03	45/03
	(Plan)			Add	Fish haven area with blue tint [K46] bound by		
Change	Light to range light, front QG	61°17'57"N 17°08'13"E			dotted line (limiting danger line) joining		
							36°44.9'N 6°43.5'W
Add	Range light, rear Iso G 4s	61°18'20"N 17°07'46"E					36°44.9'N 6°30.3'W
	(51-52(922)01 Norrköping)						36°43.9'N 6°30.2'W
							36°43.9'N 6°43.0'W
44281	2Ed. 4/6/96	LAST NM 27/03	45/03		(Spn CH 442)		
Delete	Light "Hamnholmen" and sector limits	65°32'07"N 22°09'29"E		51168	2Ed. 6/25/94	LAST NM 8/03	45/03
				Delete	R Bn		36°37'00"N 6°21'00"W
	Beacon	65°32'04"N 22°09'33"E		Change	Period of buoy "2" to 15s		36°47'24"N 6°26'48"W
	Range line between	65°32'07"N 22°09'29"E			and delete BELL		
		65°31'42"N 22°10'01"E		Add	Buoy "3" G, pillar, cone topmark, Fl G 5s		36°46'12"N 6°25'12"W
	Legend "Light and Bn in line 332°42"	65°29'15"N 22°13'00"E			Buoy "4" R, pillar, can topmark, Fl R 5s		36°46'36"N 6°25'48"W
	(45(632)02 Norrköping)						
44283	2Ed. 4/6/96	LAST NM 43/03	45/03		Fish haven area with blue tint [K46] bound by		
Delete	Light "Hamnholmen" and sector limits	65°32'07.0"N 22°09'29.0"E			dotted line (limiting danger line) joining		
	Beacon	65°32'04.3"N 22°09'33.5"E					36°44'54"N 6°43'28"W
	Range line between	65°32'07.0"N 22°09'29.0"E					36°44'54"N 6°30'21"W
		65°31'42.0"N 22°10'01.0"E					36°43'57"N 6°30'15"W
	Legend "Light and beacon in line 333°00"	65°29'05.0"N 22°13'15.0"E					36°43'55"N 6°43'03"W
	(45(632)02 Norrköping)				Fish haven area with blue tint [K46] bound by		
					dotted line (limiting danger line) joining		
							36°47'57"N 6°30'42"W
							36°52'27"N 6°30'42"W
							36°52'27"N 6°27'24"W
44321	6Ed. 9/3/94	LAST NM 44/03	45/03		Disused submarine cable [L32] between		
Change	Range light, rear to L Fl 6s 26m 9M	59°51'36"N 22°53'51"E					36°38'54"N 6°39'18"W
	Light to UQ(2) WRG 3s 7m 5M	59°53'00"N 22°25'06"E					36°38'27"N 6°45'06"W
Add	Visibility (range) 14M to range light, front	59°51'00"N 22°58'04"E			(Spn CH 442)		
	Visibility (range) 15M to range light, rear	59°50'54"N 22°58'24"E		51220	8Ed. 9/26/98	LAST NM 43/03	45/03
	Visibility (range) 9M to range light, front	59°52'25"N 22°50'12"E		Add	Wreck [K29]		33°33.6'N 8°24.8'W
	(BA LL)				(16(39)03 Brest)		
44410	4Ed. 2/8/97	LAST NM 41/03	45/03	51540	3Ed. 2/7/98	LAST NM 22/03	45/03
Change	Light to Fl(3) WRG 9s 12m 8-5M	57°55.3'N 19°02.4'E		Change	Visibility (range) of light to 15M		14°54'10"N 23°30'36"W
	Note: Existing sectors remain				and add visible sector 258°-095°		
	(Cancels 41(03-44410)				Visibility (range) of light to 6M		14°59'00"N 23°26'00"W
	(20(1144)03 Norrköping; Swd LL)						

(Plan)
 Change Visibility (range) of light to 15M 14°54'06.0"N 23°30'32.0"W
 and add visible sector 258°-095°
 (12(210)02 Cadiz)

52039 4Ed. 11/2/02 LAST NM 21/03 45/03
 Delete Fishing harbor symbol 36°11'00"N 5°55'12"W

Add Fish haven area with blue tint [K46.1] bound
 by dotted line (limiting danger area) joining
 36°09'01"N 5°55'50"W
 36°09'01"N 5°55'30"W
 36°08'58"N 5°55'30"W
 36°08'58"N 5°55'50"W
 (Spn CH 4441)

53133 4Ed. 5/17/03 LAST NM 33/03 45/03
(Plan A)
 Delete Depth 1 meter 42°56'44.0"N 10°33'51.5"E
 (Ital CH 71)

55103 2Ed. 4/6/96 LAST NM 43/03 45/03
 Add Range light [P20.1], front QY 1M 44°36'59.5"N 33°35'17.9"E
 Range light, rear QY 2M 44°37'00.7"N 33°35'23.1"E
 Range line extending in 253°12' from above
 rear light
 dashed for 500 meters, thence
 solid for 400 meters
 Legend "Lts in line 073°12'" along above
 range line 44°36'54.0"N 33°34'57.0"E
 (13(2015)00 St. Petersburg; BA LL)

55104 2Ed. 4/20/96 LAST NM 36/03 45/03
 Add Depth 47 meters Wk [K26] 44°24'30"N 33°42'15"E
 (13(2017)00 St. Petersburg)

55129 7Ed. 6/15/96 LAST NM 42/03 45/03
 Add Dashed line with legend "Recommended Track
 No 26 134°24'-314°24'" [M4] between
 44°34'59"N 37°41'50"E
 44°26'00"N 38°04'39"E
 Dashed line with legend "Recommended Track
 No 26 134°24'-314°24'" [M4] between
 44°34'59"N 37°32'10"E
 44°37'49"N 37°28'00"E
 (25(4137)00 St. Petersburg)

55140 2Ed. 9/28/96 LAST NM 42/03 45/03
 Add Depth 47 meters Wk [K26] 44°24.5'N 33°42.3'E
 (13(2017)00 St. Petersburg)

55180 2Ed. 10/12/96 LAST NM 42/03 45/03
 Delete Dashed line and legend "Recommended Track
 No 11 103°48'-283°48'" between 44°49.2'N 36°30.0'E
 44°38.5'N 37°31.7'E
 Dashed line and legend "Recommended Track
 No 43 086°30'-266°30'" between 44°34.0'N 36°07.9'E
 44°37.6'N 37°31.6'E
 Dashed line and legend "Recommended Track
 No 75 (Hydrofoils) 071°18'-251°18'" between 44°20.7'N 36°25.3'E
 44°37.8'N 37°36.0'E
 "Fish Haven" area vicinity 45°01.3'N 36°27.8'E
 Add Dashed line with legend "Recommended Track
 No 11, 74 107°42'-287°42'" [M4] between 44°49.1'N 36°29.9'E
 44°35.0'N 37°32.2'E
 Dashed line with legend "Recommended Track
 No 43 088°54'-268°54'" [M4] between 44°33.9'N 36°07.3'E
 44°35.0'N 37°32.2'E

Dashed line with legend "Recommended Track
 No 75 (Hydrofoils) 073°12'-253°12'" [M4]
 between 44°21.0'N 36°27.4'E
 44°35.0'N 37°32.2'E

Dashed line with legend "Recommended Track
 No 11 118°24'-298°24'" [M4] between 44°30.0'N 37°54.6'E
 44°23.6'N 38°11.3'E

Dashed line with legend "Recommended Track
 No 26 134°24'-314°24'" [M4] between 44°39.6'N 37°25.7'E
 44°35.0'N 37°32.2'E

Fish haven area with blue tint [K46] bound by
 shore and dotted line (limiting danger line)
 joining 45°06.8'N 36°26.5'E
 45°06.8'N 36°29.4'E
 45°02.4'N 36°28.7'E
 45°02.4'N 36°25.7'E
 45°03.8'N 36°22.8'E
 (13(2019), 25(4137)00 St. Petersburg)

55200 2Ed. 8/17/96 LAST NM 42/03 45/03
 Delete Dashed line with legend "Route No 75
 071°18'-251°18' (Hydrofoils)" between 44°32.3'N 37°13.7'E
 44°36.8'N 37°32.0'E
 "Fish Haven" area vicinity 45°02.3'N 36°26.7'E
 "Fish Haven" area vicinity 45°11.3'N 36°34.2'E
 Add Dashed line with legend "Route No 11, 74
 107°42'-287°42'" [M4] between 44°49.1'N 36°29.9'E
 44°35.5'N 37°32.0'E
 Dashed line with legend "Route No 43
 088°54'-268°54'" [M4] between 44°33.9'N 36°07.3'E
 44°35.0'N 37°32.0'E
 Dashed line with legend "Route No 75
 (Hydrofoils) 073°12'-253°12'" [M4] between 44°32.3'N 37°20.0'E
 44°34.9'N 37°32.0'E
 Fish haven area with blue tint [K46] bound by
 shore and dotted line (limiting danger line)
 joining 45°06.8'N 36°26.5'E
 45°06.8'N 36°29.4'E
 45°02.4'N 36°28.7'E
 45°02.4'N 36°25.7'E
 45°03.8'N 36°22.8'E
 (13(2019), 2024), 25(4137)00 St. Petersburg)

63050 2Ed. 7/2/94 LAST NM 46/02 45/03
 Relocate Buoy "9" from 24°37.2'N 67°05.7'E to 24°37.2'N 67°05.5'E
 and change to G, cone, Fl(3) G 15s
 Add Depth 3.8 meters 24°53.5'N 66°35.8'E
 (16(43), 20(48)03 Karachi)

63053 4Ed. 12/8/01 LAST NM 39/03 45/03
 Relocate Buoy "9" from 24°37'14"N 67°05'34"E to 24°37'10"N 67°05'31"E
 Buoy "12" from 24°38'14"N 67°07'19"E to 24°38'01"N 67°07'06"E
 (See 39/03-63053)
 Add Buoy "12A" R, can, Fl R 6s 24°38'13"N 67°07'17"E
 Depth 3.8 meters, blue tint and enclosing
 depth contour (5-meter) centered 24°53'32"N 66°35'48"E
 (16(43), 20(48)03 Karachi)

63060 7Ed. 2/19/94 LAST NM 32/02 45/03
 Relocate Buoy "9" from 24°37.2'N 67°05.9'E to 24°37.2'N 67°05.5'E
 and change to G, cone, Fl(3) G 15s

(continued on next page)

SECTION I

NM 45/03

63060	(Continued)								
Add	Depth 3.8 meters	24°53.5'N	66°35.8'E			Add	Depth 340 meters enclosed by depth contour		
	(16(43), 20(48)03 Karachi)						(1000-meter) centered	23°00.0'S	137°27.0'W
							(19(128)03 Wellington)		
75134	3Ed. 11/18/95 LAST NM 37/03			45/03		83580	2Ed. 5/18/96 LAST NM 8/03		45/03
	(Plan A)					Add	Stranded wreck [K24]	18°14.1'S	179°18.4'E
Add	Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2	35°08'00.0"S	138°28'00.0"E				(19(127)03 Wellington)		
	(8(279)03 Wollongong)					83590	1Ed. 1/31/87 LAST NM 33/99		45/03
						Add	Stranded wreck [K24]	16°43'42"S	179°45'39"W
							(19(127)03 Wellington)		
76015	1Ed. 4/24/93 LAST NM 28/03			45/03		93025	5Ed. 10/11/97 LAST NM 45/02		45/03
Delete	Light "Castlecliff"	39°55.7'S	174°58.2'E			Add	Wreck [K29]	18°12.6'N	109°43.8'E
	(17(114)03 Wellington)						(51(957)02 Tianjin)		
76070	9Ed. 6/22/96 LAST NM 28/03			45/03		93690	2Ed. 11/4/95 LAST NM 6/03		45/03
Delete	Light "Castlecliff"	39°55.7'S	174°58.2'E			Add	Wreck [K29]	18°12.6'N	109°43.8'E
	(17(114)03 Wellington)						(51(957)02 Tianjin)		
76120	6Ed. 11/29/97 LAST NM 25/02			45/03		93721	5Ed. 6/5/99 LAST NM 44/03		45/03
Change	Spot height "(11)" to "(12)"	47°10'00"S	167°58'15"E			Add	Depth 11.3 meters	22°10'36"N	113°55'54"E
	(16(111)03 Wellington)						Depth 12.1 meters	22°08'28"N	113°54'57"E
							(14(237)03 Tianjin)		
76141	8Ed. 1/18/92 LAST NM 37/03			45/03		93726	4Ed. 4/20/96 LAST NM 17/03		45/03
	(Panel A)					Add	Depth 2 meters Obstn [K41] (PA)	22°43'2.0"N	113°42'43.2"E
Substitute	Depth 7.4 meters for 9.3 meters	45°45'49.9"S	170°42'25.8"E				(34(716)03 Tianjin)		
	Depth 6.1 meters for 7.8 meters	45°45'56.2"S	170°42'36.0"E			93733	13Ed. 6/28/97 LAST NM 44/03		45/03
	Depth 6.4 meters for 8.2 meters	45°46'00.0"S	170°42'18.6"E			Substitute	Depth 20.1 meters enclosed by depth contour		
	Depth 6.6 meters for 5.4 meters	45°46'05.4"S	170°42'35.4"E				(20-meter) for 17.8 meters	22°27'29"N	114°26'09"E
	Depth 10 meters for 8.5 meters	45°46'06.0"S	170°42'58.2"E				Depth 22 meters for 26 meters	22°15'38"N	114°23'14"E
	Depth 6.4 meters for 6.7 meters	45°46'10.8"S	170°42'19.8"E				Depth 18.6 meters for 21 meters	22°15'06"N	114°23'54"E
	Depth 8 meters for 7.3 meters	45°46'10.2"S	170°42'48.0"E			Add	Depth 3.1 meters	22°16'57"N	114°02'08"E
	Depth 6.5 meters for 7.6 meters	45°46'13.8"S	170°42'31.2"E				(14(236)03 Tianjin; 20(62, 64)03 Hong Kong)		
	Depth 7.7 meters for 8.5 meters	45°46'14.4"S	170°43'00.0"E			93736	22Ed. 6/27/98 LAST NM 41/03		45/03
	Depth 5.8 meters for 7 meters	45°46'19.2"S	170°42'41.4"E			Add	Depth 3.1 meters	22°16'57.3"N	114°02'08.2"E
	Depth 4.5 meters, blue tint and enclosing depth contour (5-meter) for 6.1 meters	45°46'22.2"S	170°42'55.2"E				(20(62)03 Hong Kong)		
Add	Beacon BYB, double cone topmark bases together, VQ(3) 5s	45°49'09.9"S	170°37'45.2"E			94042	9Ed. 5/25/96 LAST NM 43/03		45/03
	Depth 5.6 meters	45°45'56.4"S	170°42'40.8"E			Add	(Panel A) Dangerous wreck [K28] (PA)	23°20'49.7"N	116°43'47.9"E
	(16(110), 17(116)03 Wellington)						(33(668)03 Tianjin)		
76142	1Ed. 3/14/92 LAST NM 37/03			45/03		94187	3Ed. 4/20/96 LAST NM 36/03		45/03
Substitute	Depth 6.6 meters for 5.4 meters	45°46'06.5"S	170°42'35.4"E			Change	Beacon to Y, "X" topmark, Mo(P) Y 15s 6m 5M	28°01'37.1"N	120°44'05.0"E
	Depth 5.8 meters for 7 meters	45°46'19.2"S	170°42'42.0"E				(Inset) Beacon from 28°01'52.0"N 120°40'38.2"E to 28°01'51.4"N 120°40'36.8"E		
Add	Depth 5.6 meters	45°45'56.4"S	170°42'40.8"E				(29(546)02 Tianjin)		
	(17(116)03 Wellington)					95281	15Ed. 1/17/98 LAST NM 36/03		45/03
76146	1Ed. 5/22/93 LAST NM 28/03			45/03		Add	(Plan) "Being Reclaimed (2003)" area bound by breakwater and dashed line joining		
Delete	Legend "Berths...Note"	44°23'33.0"S	171°15'28.0"E					35°39'51.2"N	136°04'00.2"E
								35°39'57.5"N	136°04'00.2"E
Add	Dashed line between	44°23'30.6"S	171°15'25.5"E					35°39'57.3"N	136°04'09.8"E
		44°23'30.6"S	171°15'35.7"E					35°39'52.1"N	136°04'09.9"E
	Legend "Maintained to 10.4m See Note"	44°23'28.8"S	171°15'31.8"E					Solid line (breakwater) between	
	(17(115)03 Wellington)							35°40'02.4"N	136°04'00.3"E
								35°39'57.5"N	136°04'00.3"E
83025	1Ed. 11/7/81 LAST NM 12/03			45/03				Double solid line with land tint (breakwater) [F4.1] between	
Delete	Depth 400 meters	23°03.7'S	137°24.3'W					35°39'27.6"N	136°03'17.5"E
								35°39'28.1"N	136°03'22.4"E
	Depth 18 meters (ED), dotted-line circle and blue tint	22°04.0'S	133°37.0'W					Double solid line with land tint (breakwater) [F4.1] between	
	Danger circle (ED), blue tint and legend "Recif Bertero"	22°01.5'S	133°28.0'W					35°39'28.4"N	136°03'23.4"E
								35°39'28.6"N	136°03'25.5"E
								(20(742)03 Tokyo)	

96041 11Ed. 12/4/93 LAST NM 44/03 45/03
 Add Height 12m to light 43°04'18"N 131°50'35"E
 (BA LL)

96042 11Ed. 6/19/82 LAST NM 44/03 45/03
 Change Light to Oc 3s 5m 3M 43°02'46.4"N 131°49'13.9"E
 Light to F 13m 3M 43°02'38.4"N 131°49'16.9"E

Add Height 12m to light 43°04'18.0"N 131°50'35.0"E
 Height 8m to light 43°03'43.0"N 131°53'22.0"E
 Height 16m to light 43°03'41.0"N 131°53'31.5"E
 (BA LL)

96340 4Ed. 8/5/95 LAST NM 12/02 45/03
 Add "Tanker Anchorage" area [N12.5] bound by
 purple dashed line joining 52°39.5'N 143°38.2'E
 52°43.5'N 143°38.2'E
 52°43.5'N 143°44.7'E
 52°39.5'N 143°44.7'E
 (NTM0031/2003)

96763 7Ed. 8/22/98 LAST NM 37/03 45/03
 Delete Depth 5.4 meters 42°59'42.3"N 144°20'46.8"E
 Depth 5.4 meters 42°59'42.1"N 144°20'51.5"E
 Depth 5.4 meters 42°59'41.3"N 144°20'49.2"E
 Depth 5.8 meters 42°59'40.2"N 144°20'47.0"E
 Depth 6.8 meters 42°59'37.9"N 144°20'46.0"E
 Depth 6 meters 42°59'37.7"N 144°20'50.0"E
 Depth 5 meters 42°59'37.5"N 144°20'51.0"E
 Depth 1.7 meters 42°59'36.8"N 144°20'51.0"E
 Depth 0.4 meter 42°59'37.9"N 144°20'52.3"E
 Depth 3.8 meters 42°59'39.3"N 144°20'54.5"E
 Depth 8.8 meters 42°59'40.5"N 144°20'55.6"E

Legend "Lesser depths reported (2003)"
 between 42°59'35.6"N 144°20'49.3"E
 42°59'43.2"N 144°20'57.6"E
 (Supersedes 37/03-96763)

Substitute Depth 7.3 meters for 5.1 meters 42°59'43.5"N 144°20'50.1"E
 Depth 7.7 meters for 5.4 meters 42°59'43.5"N 144°20'48.0"E
 Depth 7.7 meters for 5.5 meters 42°59'41.0"N 144°20'44.5"E
 Depth 7.6 meters for 6.3 meters 42°59'41.4"N 144°20'41.9"E
 Depth 2.8 meters for 4.8 meters 42°59'39.0"N 144°20'52.0"E
 Depth 0.8 meter for 2.9 meters 42°59'40.0"N 144°20'55.8"E
 Depth 3.9 meters for 5.9 meters 42°59'41.8"N 144°20'57.0"E

Add Depth 7.4 meters 42°59'41.2"N 144°20'48.0"E
 Depth 7.7 meters 42°59'39.2"N 144°20'47.0"E
 Depth 7.6 meters 42°59'38.1"N 144°20'44.0"E
 Depth 7.1 meters 42°59'36.9"N 144°20'45.6"E
 Depth 5.7 meters 42°59'38.4"N 144°20'50.1"E
 Depth 4.2 meters 42°59'39.9"N 144°20'54.0"E
 Foul ground symbol [K31] 42°59'39.8"N 144°20'55.9"E
 Depth 7.5 meters 42°59'41.3"N 144°20'55.0"E
 (38(1442)03 Tokyo)

97064 2Ed. 2/19/94 LAST NM 33/03 45/03
 Add Depth 11.1 meters 38°24'06.8"N 141°16'55.3"E
 (See 8/02-97064)
 (38(1462)03 Tokyo)

97120 6Ed. 8/9/97 LAST NM 44/03 45/03
 Change Visibility (range) of light to 7M 35°02.0'N 140°00.8'E
 (38(1444)03 Tokyo)

97140 17Ed. 6/28/97 LAST NM 44/03 45/03
 Change Visibility (range) of light to 7M 35°02.0'N 140°00.8'E
 (38(1444)03 Tokyo)

97145 1Ed. 2/16/91 LAST NM 40/03 45/03
 Add Light Fl R 4s 13m 7M 35°02'02"N 140°00'48"E
 (38(1444)03 Tokyo)

97204 9Ed. 2/12/94 LAST NM 43/03 45/03
 Add Danger circle [K1] "Magnetic Meter" 34°31'46.0"N 135°00'03.0"E
 Submarine cable [L31.1] between 34°31'46.0"N 135°00'03.0"E
 34°31'52.0"N 134°59'56.0"E
 (38(1446)03 Tokyo)

97224 6Ed. 12/27/97 LAST NM 49/02 45/03
 Delete Position circle 34°14'11.5"N 135°07'52.0"E
 Position circle 34°14'08.0"N 135°07'55.0"E
 Position circle "(85)" 34°14'04.5"N 135°07'58.0"E
 (20(747)03 Tokyo)

97225 31Ed. 1/21/95 LAST NM 33/03 45/03
 Add Danger circle [K1] "Magnetic Meter" 34°31'34"N 135°00'13"E
 Submarine cable [L31.1] between 34°31'34"N 135°00'13"E
 34°31'40"N 135°00'06"E
 (38(1446)03 Tokyo)

97303 3Ed. 2/14/98 LAST NM 48/02 45/03
 Add "Submerged Jetty" bound by dashed line
 joining 33°31'01.0"N 133°35'46.2"E
 33°31'04.0"N 133°35'55.3"E
 33°31'01.3"N 133°35'56.2"E
 33°30'58.6"N 133°35'47.3"E
 Position circle "Y Lt" 33°31'00.7"N 133°35'51.6"E
 Position circle 33°31'01.2"N 133°35'53.7"E
 Position circle "Y Lts" 33°31'01.4"N 133°35'54.5"E
 Position circle "Y Lt" 33°30'59.2"N 133°35'48.0"E
 Position circle "Y Lt" 33°31'00.2"N 133°35'49.9"E
 (20(746)03 Tokyo; Jpn CH W110)

97360 6Ed. 2/1/97 LAST NM 43/03 45/03
 Add Submarine pipeline [L40.1] joining 31°36'03"N 129°43'18"E
 31°37'45"N 129°42'06"E
 31°37'41"N 129°41'58"E
 (38(1450)03 Tokyo)

97380 7Ed. 8/23/97 LAST NM 40/03 45/03
 Change Visibility (range) of light to 13M 33°31.1'N 129°49.7'E
 Add Submarine pipeline [L40.1] joining 31°36.1'N 129°43.3'E
 31°37.8'N 129°42.1'E
 31°37.7'N 129°42.0'E
 (38(1449, 1450)03 Tokyo)

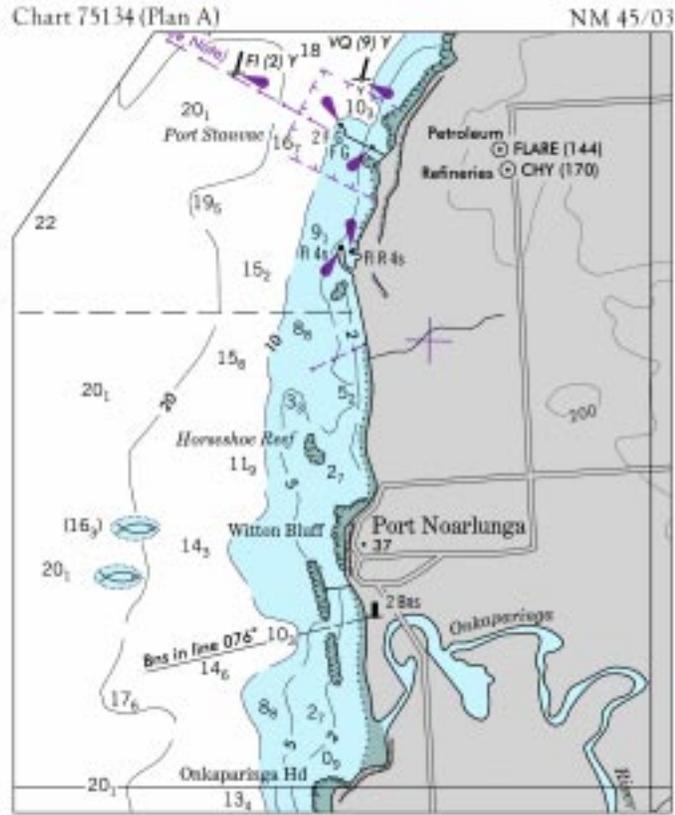
97381 7Ed. 9/6/97 LAST NM 43/03 45/03
 Add Submarine pipeline [L40.1] joining 31°36'03"N 129°43'18"E
 31°36'14"N 129°43'08"E
 31°37'40"N 129°42'15"E
 31°37'45"N 129°42'06"E
 31°37'41"N 129°41'58"E
 (38(1450)03 Tokyo)

★97389 2Ed. 8/16/03 NEW EDITION 45/03
 Change Visibility (range) of light to 3M 32°35'41.5"N 130°28'27.5"E
 (NIMA; 35(1352)03 Tokyo)

97410 8Ed. 5/26/90 LAST NM 19/03 45/03
 Change Visibility (range) of light to 13M 33°30'53"N 129°49'51"E
 (38(1449)03 Tokyo)

97420 17Ed. 9/20/97 LAST NM 40/03 45/03
 Change Visibility (range) of light to 13M 33°31.1'N 129°49.7'E
 (38(1449)03 Tokyo)

97425 6Ed. 1/30/99 LAST NM 10/03 45/03
 Change Visibility (range) of light to 13M 33°31'05"N 129°49'43"E
 (38(1449)03 Tokyo)



SECTION I

NM 45/03

Chart 11537

NM 45/03

CAPE FEAR RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BALDHEAD SHOAL	36.3	36.2	30.6	18.8	7-03	500	5.0	40
SMITH ISLAND	42.7	43.7	44.3	43.8	6-03	500	1.0	40
BALDHEAD CASWELL CHANNEL	42.5	45.7	45.8	45.4	6-03	500	0.4	40
SOUTHPORT CHANNEL	43.8	44.3	44.0	40.0	6-03	500	1.0	40
BATTERY ISLAND CHANNEL	44.7	44.1	44.5	31.1	6-03	500	0.5	40
LOWER SWASH	41.0	42.1	42.0	40.9	5-03	400	1.6	38
SNOWS MARSH	39.4	41.6	41.1	39.5	5-03	400	3.1	38
HORSESHOE SHOAL	40.1	41.5	41.0	40.0	2-03	400	1.2	38
REAVES POINT	42.8	42.4	41.7	42.6	5-03	400	1.2	38
LOWER MIDNIGHT	41.5	42.8	42.9	40.8	8-03	400	1.6	38
UPPER MIDNIGHT	18.8	34.0	37.0	33.8	5-03	400	2.7	38
LOWER LILLIPUT	38.3	38.0	38.5	36.7	5-03	400	1.9	38
UPPER LILLIPUT	44.0	43.6	43.7	42.1	4-03	400	1.9	38
KEG ISLAND	34.0	43.5	44.2	34.8	8-03	400	1.4	38
BIG ISLAND LOWER	35.4	42.3	44.2	33.3	8-03	400	0.8	38
BIG ISLAND UPPER	39.3	45.0	41.6	35.6	7-03	400	0.5	38
LOWER BRUNSWICK	38.6	43.0	43.1	37.6	7-03	400	1.6	38
UPPER BRUNSWICK	39.0	42.8	45.2	44.2	7-03	400	1.0	38
FOURTH EAST JETTY	41.9	44.0	44.0	41.5	7-03	400	1.2	38
BETWEEN CHANNEL	35.0	38.8	37.9	36.7	8-03	550	0.8	38
ANCHORAGE BASIN & APP CHANNEL	22.7	36.4	36.5	31.7	7,8-03	450-1090	1.3	38
HWY 74-76 TO BATTLESHIP	26.7	33.7	35.5	28.3	11-02	400	0.6	32
BATTLESHIP TO HWY 117 INCLUDING TURNING BASIN	9.0	29.4	31.4	18.6	11-02	190-850	-	32
HWY 117 TO HILTON BR	27.7	27.9	31.2	30.8	11-02	200-400	0.5	32
THENCE TO END OF PROJECT AT 34°16'36"N, 77°57'01"W	22.9	22.6A	20.8B	17.5C	11-02	200	1.2	25
TURNING BASIN	20.9	21.1	17.2	12.8	11-02	500	0.1	25

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

Chart 18424

NM 45/03

I. & J. STREET, WHATCOM AND SQUALICUM CREEK WATERWAYS CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 1996 AND SURVEYS TO MAR 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)
WHATCOM WATERWAY							
OUTER REACH	23.1	30.3	31.1	2-96	363	0.62	30
MIDDLE REACH	9.3	22.1	16.7	2-96	363	0.36	30
INNER REACH	2.1	1.7	8.7	2-96	363	0.12	18
I&J STREET WATERWAY	16.5	16.3	12.9	11-92	100	0.53	18
SQUALICUM CREEK WATERWAY							
ENTRANCE CHANNEL	23.9	24.8	23.1	9,10-02, 3-03	200	0.34	26
SOUTHWEST PORTION OF BASIN	14.6	20.4	23.5	9,10-02, 3-03	200-295	0.13	26
NORTHEAST PORTION OF BASIN	A20.0	A22.0	A21.3	9,10-02, 3-03	200-295	0.28	26

A. SHOALING TO BARE LAST 200 FEET OF PROJECT.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 45/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 45/03

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	11363	38	35,38,40,43,49,51/02;4,5,7,18,19,20,21,22,24,26,27,34,38,43,45/03	11465	36	52/02*;22,40/03
20	3	18/03	11307	36	22,24,27,35/03	11466	36	30*;31,40/03	11467	37	47*;50/02;4,12,21,23,40/03
22	1	18/03	11308	22	3*;7,10,23,25,32/03	11364	39	3*;4,5,8,9,18,19,21,23,25,26,27,30,33,34,35,43/03	11468	39	42*;43,49/02;40/03
50	6	32*;34,40/03	11309	36	36,46/02;1,6,7,22,24,25,32/03	11365	17	52/02*;9,32,34/03	11469	5	35,50/02;7,9,12,21,23,31,40/03
53	2	34/03	11310	1	N46/02;N22,N23,N32/03	11366	7	48*;51/02;5,6,7,8,19,21,23,24,26,27,29,30,34,35,37/03	11470	36	10*;12,40/03
70	4	7,34/03	11311	23	46/02;26/03	11367	32	38*;45/03	11472	31	8*;25,40/03
71	4	7,34/03	11312	3	36,46/02;1,6,7,22,23,32/03	11368	22	38/02*;19,21,23,30,33,34,35,45/03	11474	10	6,17/03
72	4	7/03	11313	22	22,27,36/03	11369	44	9*;18,19,21,27,43/03	11475	16	51/02;13/03
73	4	34/03	11314	22	17*;21,22,32/03	11370	24	38/03*	11476	19	6,34/03
101	3	48/02	11315	30	37/02*	11371	36	35/03*	11478	20	32/03*
103	5	16/03	11316	39	17*;22,26,29,34/03	11372	30	2*;7,8,10,19,23,24,26,27,31,42,44/03	11479	4	N35,N50/02;N6,N23,N25,N31,N34,N40/03
108	9	35/02;34,39/03	11317	29	37,40,49/02;16,19,20,21,23,26,29,30,34/03	11373	42	33,37,40,41,42,45,49/02;7,9,19,20,21,23,24,25,26,27,29,34,36,38,42,44/03	11480	38	30/03*
120	6	39/03	11318	1	N46/02;N6,N24,N25,N44/03	11374	31	45*;49,50/02;1,2,7,8,9,19,20,23,24,26,27,29,34,36,38/03	11481	4	42*;49/02;6,12,13,19,28,34/03
124	10	18,34,39/03	11319	31	17*;19,20,25,26,29,30,34/03	11375	35	1*;2,5,7,9,20,23,24,27,29/03	11484	21	34/03
125	7	21/03	11320	1	N22,N23,N24/03	11376	48	40,43,50/02;2,7,19,20,21,22,23,24,25,26,30,36,37,38,44/03	11485	33	22/03*
126	39	21/03	11321	29	39,40,41,45/02;23,31,34/03	11377	5	38*;44/03	11486	15	36/03*
145	16	39/03	11322	28	19*;20,23,30,34,35,42/03	11378	32	11*;12,18,20,21,22,24,26,30,38/03	11488	24	7,17/03
200	3	37/03	11323	59	33,37,39,45/02;1,6,7,9,20,23,27,29,31,34,35,38,42,45/03	11382	39	46/02*;9,25,26,37/03	11489	34	8*;12,20,22,31/03
301	1	14,21,24/03	11324	32	33,37/02;1,6,7,9,10,16,20,21,23,25,29,30,31,37,38,42,45/03	11383	49	9,18,26,30,37/03	11491	33	34,37,38/02;12,30,34/03
302	1	2/03	11325	35	26*;38,42/03	11384	33	30/03*	11493	9	N39/02;N12,N20,N22,N31/03
310	20	2,14,21,24/03	11326	31	7*;9,16,20,21,22,23,24,30,31,33,35,38,45/03	11388	16	24,34/03	11494	8	N39/02;N22/03
400	3	33,35,45/02;29,33,34/03	11327	30	37,49/02;1,16,19,20,22,24,29,30,33,35,38,42/03	11389	32	33,37/02;2,7,32,42/03	11496	9	N35/02;N1,N17,N19,N34/03
401	5	33,35,45/02;14,29,33,34,44/03	11328	23	43/03*	11390	22	33,34,37/02;7,21,30,32/03	11502	28	14,17,20,22/03
411	49	19*;22,23,24,25,26,29,30,31,33,44/03	11329	34	36,37,39,47,49/02;1,4,8,10,16,21,22,30,36,38,42/03	11391	22	33,34/02;7,21,32/03	11503	39	38*;39,43/02;12,14,17,20,22,31/03
500	8	32*;34,41/03	11330	14	2*;4,6,7,8,17,19,20,21,22,23,27,30,31,34,35,36,38,45/03	11392	6	34/02;21,32/03	11504	15	12,22/03
501	12	9*;10,18,21,22,24,40,41/03	11331	18	8,19,23,30,34/03	11393	20	30,35,42/03	11505	1	34,40,49/02;1,4,5,11,22,34,43/03
502	2	52/02;40,44/03	11332	28	42*;43,49,51/02;6,17,19,20,23,25,31,34,35,37/03	11400	34	39/02;4,9,11,12,13/03	11506	40	10*;19,22,28,34,43/03
507	2	45/02	11333	1	N35/03	11401	29	27/03	11507	31	9*;12,20/03
508	2	45/02	11340	68	37*;38,45/03	11402	21	30*;34/03	11508	21	10/03*
510	3	40/03	11341	39	14*;17,21,22,23,25,31,34,37,38/03	11404	21	50/02;9,19,27/03	11509	27	1,11,24/03
513	6	38/02;34/03	11342	52	27*;29,31,34,35,42/03	11405	29	38/03*	11510	18	34/02
520	127	38/02;34,40,41/03	11343	36	37,40,49/02;4,8,17,19,20,23,30,34,35/03	11406	11	9/03	11511	16	11/03
521	11	34/03	11344	35	9*;19,22,23,26,27,29,31,34,38,43/03	11408	28	3/03*	11512	59	10*;11,15,20,22,24,34,43/03
523	8	34/03	11345	31	9*;38/03	11409	28	32/03*	11513	23	49/02;1,24/03
524	12	47/02;34/03	11347	33	42*;43,47,49/02;4,6,7,8,19,20,21,23,25,26,27,29,31,32,43/03	11411	14	43*;45/02;7,20/03	11514	26	37*;40,49/02;4,5,15,22,24,34,43/03
525	3	40/03	11348	20	43/03*	11412	41	42*;45/02;1,6,7,11,12,13,14,20/03	11516	30	43/03*
526	10	47/02;6/03	11349	40	38*;42,51/02;23,26,27,31,36/03	11415	5	42*;45/02;1,2,7,14,20/03	11517	17	24/03
530	30	37,38,40,52/02;6,10,18,21,22,24,34,40,41,44/03	11350	25	43/03*	11416	5	42,48/02;1,2,6,11,12,14,20/03	11518	33	14*;19,28/03
531	21	47,52/02;21,24,32,34,41/03	11351	38	20*;22,23,25,27,30,31,34/03	11420	27	20*;21,22,25/03	11519	12	28/03*
532	17	38/02;34/03	11352	36	3*;7,8,9,20,22,24,26,31,34/03	11423	7	N39,N42/02;N4,N8,N15,N21,N22,N25/03	11520	41	38*;39/03
540	16	51/02;16,30/03	11353	2	35,38,43,45,49/02;4,5,7,18,20,21,26,27,31,34,43,45/03	11424	18	14,25/03	11521	26	35/02;9,19,24,28,34,39/03
541	2	6/03	11354	24	26*;31,34/03	11425	34	46*;49/02;4,25/03	11522	19	39/03
550	7	45/02;6/03	11355	25	38/03*	11426	36	38/03*	11523	21	35,52/02;5,9,19,24,28,34/03
600	5	45/03	11356	35	38/03*	11427	33	2/03*	11524	46	8*;11,12,13,15,17,19,20,22,28,34,43/03
601	4	6,8,27,38/03	11357	36	38/03*	11428	32	52/02*;6/03	11525	6	N39,N40,N44,N46,N51/02;N4,N6,N8,N24,N39/03
602	6	47/02;6,38/03	11358	52	41/03*	11429	21	47/02*	11526	10	20/03*
603	6	47/02;10/03	11359	11	39/02	11430	25	17/03*	11527	16	37/02;20/03
604	5	38/03	11360	40	1*;2,5,6,8,19,23,24,25,26,27,29,30,32,34,36,37,38,44/03	11434	25	41/03*	11531	21	11,39/03
605	4	6/03	11361	70	21*;23,24,25,26,30,31,35/03	11435	13	N8,N15,N21,N22,N39/03	11532	20	37/02;39,43/03
606	1	17/03	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	11436	38	36*;50/02;6,13,15,21,23,25,31,34,39,40/03	11534	32	17*;36,45/03
607	1	17,45/03	11363	30	36,39,40/02;2,6,19,21,23,24,25,27,29,33,35/03	11440	8	15,22,25,39/03	11535	12	46/02;39/03
622	9	47/02;6/03	11364	36	38/03*	11441	31	20*;22,25/03	11536	16	38/03*
623	9	47/02;19,36/03	11365	17	7/03	11442	39	36/02;6,7,15,20/03	11537	34	21*;23,26,35,36,43,45/03
632	8	45/02	11366	7	7/03	11443	34	38*;39/03	11538	18	39,44,51/02;6/03
702	5	7/03	11367	30	36/02;7,15,20/03	11444	30	7,15,39/03	11541	33	8*;9,14,22,35,39/03
703	4	46/02;7,44/03	11368	40	38/02*;20/03	11445	30	36/02;7,15,20/03	11542	15	39/02
705	3	46,52/02	11369	14	7/03	11446	35	38/02*;20/03	11543	22	39/02;8,38/03
706	4	44/03	11370	16	7/03	11447	14	7/03	11544	37	36/02*;8/03
707	2	34,44/03	11371	16	7/03	11448	14	7/03	11545	60	45*;47/02;6,8,14,22,23,24,35,38,39,43/03
708	3	34,36/03	11372	16	7/03	11449	16	7/03	11547	35	37,47/02;6,8,14,22,23,35,38,39,43/03
709	2	50/02;19,25/03	11373	8	15,22,25,39/03	11450	8	15,22,25,39/03	11548	38	47/02*
1113A		20*;21,22,25/03	11374	31	20*;22,25/03	11451	31	20*;22,25/03	11550	28	17/03*
1114A		39/02;4,9,11,12,13/03	11375	2	35,38,43,45,49/02;4,5,7,18,20,21,26,27,31,34,43,45/03	11453	16	7/03	11553	28	8/03*
1115A		1*;2,5,6,8,19,23,24,25,26,27,29,30,34,35,37,38/03	11376	24	26*;31,34/03	11460	38	36*;50/02;6,13,15,21,23,25,31,34,39,40/03	11555	38	36/02*;7,24/03
1116A		37*;38,45/03	11377	5	38*;44/03	11461	5	7,15,25,39/03	12200	47	38*;42,52/02;7,12,18/03
1117A		28*;30,31,32,34,35,36,44,45/03	11378	32	11*;12,18,20,21,22,24,26,30,38/03	11462	17	24/03*	12201	25	N42,N52/02;N7,N12,N18,N24,N32/03
11004	7	37,39,40,42,43,45,47,51/02;5,6,7,8,9,14,18,21,22,23,24,25,26,27,29,30,32,34,36,37,38,44/03	11379	32	11*;12,18,20,21,22,24,26,30,38/03	11463	17	24/03*	12204	35	10*;33/03
11006	30	36,39,40/02;2,6,19,21,23,24,25,27,29,33,35/03	11380	39	46/02;2,7,19,20,21,22,23,24,25,26,30,36,37,38,44/03	11464	16	7,25/03	12205	28	43/03*
11009	36	35,44,51/02;6,12,19,39/03	11381	23	43/03*						
11013	45	38*;40/03	11382	30	37,49/02;1,16,19,20,22,24,29,30,33,35,38,42/03						
11300	39	28*;30,31,32,34,35,36,44,45/03	11383	49	9,18,26,30,37/03						
11301	23	37/02;16,24,32/03	11384	33	30/03*						
11302	29	34*;37/02;16,24/03	11388	16	24,34/03						

CHARTS AFFECTED BY NOTICE TO MARINERS
 NM 33/02 THROUGH NM 45/03

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.
12206	29	33,38,46/02;10,28,33/03	12362	16	49/02	13305	28	40,41,49/02;2,7,9,36,44/03	14217		N43/03*
12207	20	50,52/02;18/03	12363	39	44/02;6,23,27,32,36/03	13307	10	23,28,44/03	14218		N39/03*
12208	9	23*,28,41/03	12364	34	20*,23,25,27,32,36,39/03	13308	11	40/02	14219		N40/03*
12210	36	8*,33/03	12365	26	6,23/03	13309	28	42/02*;9,32/03	14220		N39/03*
12211	41	10/03*	12366	27	51/02;20,27/03	13312	21	10/03*	14221	26	40,46/02
12214	44	14*,19/03	12368	26	42/02*;24,25/03	13313	19	41,49,52/02;6,9,36/03	14222	16	40/03**
12216	27	47/02*;19/03	12369	25	44/02;32,35,36,43/03	13315	11	49/02	14223	18	38/03**
12221	74	35*,41,45/03	12370	18	39/02*	13316	22	28/03*	14224		N39/03*
12222	44	26*,28,33,34,41/03	12371	23	27/03*	13318	18	38*,41,52/02;5,6,21/03	14225	17	39/03**
12224	23	8*,33,45/03	12372	31	45*,47,48/02;2,5,6,23,25,36,45/03	13321	9	20/03*	14226	32	39/03**
12225	54	22*,33,45/03				13322	7	5/03	14227	28	39/03**
12226	16	7/03	12373	14	2/03	13323	7	5/03	14228	11	39/03**
12228	29	43/02*	12377	14	37/02	13324	13	41,52/02;2/03	14229		N39/03*
12230	60	30*,34,42/03	12378	14	2,13,23/03	13325	14	2,29/03	14240	6	43/03**
12231	26	35,46/02;7,30/03	12401	7	47/02;2,13,33,41/03	13326	12	41,43/02	14241	23	39/03**
12232	35	3*,4,5,6,14,34,45/03	12402	8	33,47/02;13,34,41/03	13392	2	6/03	14242	13	40/03**
12235	29	47/02;4,6,7,17,33/03	13000		N48,N49/02;N21,N26,N29/03	13394	3	39/02*;9,21,42/03	14243	8	39/03**
12237	26	47/02;17,25,34/03				13396	4	9,19,21/03	14244	5	39/03**
12238	37	46/02*;1,4,7,19,25,34/03	13003	47	36*,39,44,45/03	13398	3	36/02	14245	4	39/03**
12241	21	34,44/02;7,34/03	13006	31	36*,39,44,45/03	14002	57	32,34,36,37,42/03	14246	6	39/03**
12245	62	30*,33,34/03	13009	30	42*,48,49/02;1,9,18,23,36,39,44,45/03	14003	6	48,49/02;5,9,12,29,39/03	14247		N39/03*
12248	40	44/03*				14007		N38/03*	14248		N40/03*
12251	23	35/02;4,6,7,15,26/03	13200	33	37,48/02;7,9,18,36,39,44,45/03	14008	76	38/03**	14249		N39/03*
12252	23	33,34/02;4,7,10,15,17,30,35,45/03	13201	10	N37,N48/02;N9,N18,N36,N39,N44,N45/03	14010	5	35/02;26,32/03	14250		N40/03*
						14024	5	33,36,39/02;12,22,36/03	14251		N40/03*
12253	43	35/03*	13203	12	37/02	14040	65	40/02;34/03	14252		N40/03*
12254	43	38*,43,44/02;30,34/03	13204	12	44/03	14041	12	34,36,42/03	14253		N40/03*
12255	15	44/02;30,34/03	13205	36	37,42,45,48/02;1,5,23/03	14042	3	34,42/03	14254		N40/03*
12256	13	33,44/02;24,30,34/03	13209	23	37/02;23/03	14043	7	21,26/03	14259	3	40/03**
12261	28	37*,44/02;7,18,22/03	13211	13	47/02;45/03	14044	44	6/03	14260	47	39/03**
12263	52	35*,42,44/03	13212	35	9*,13,36/03	14061	27	6,9/03	14263	15	40/03**
12264	28	38/02*;7,42,44/03	13213	40	14*,25,36/03	14062	17	32,36/03	14264	4	40/03**
12266	27	20,30/03	13214	27	34*,45,48/02;5/03	14066	19	6,34,42/03	14280	37	40/03**
12270	32	9*,18,24,25,33,42/03	13215	17	45,48/02;1,5/03	14067	11	6/03	14310	2	40/03**
12272	29	36,45/02;13,16,30,33,38/03	13216	1	N48/02	14081	21	36/03	14329	5	32/03
			13218	38	42,45,51/02;5/03	14083	30	33/02	14340	25	33,37,40,52/02;12,22,30/03
12273	53	36,45,50/02;5,15,17,19,30,33,38/03	13221	53	44,51/02;2,5,7,27/03	14087	58	33/02	14341	5	12,34/03
12274	33	37*,50/02;5,15,17,30,33/03	13223	36	52/02;2/03	14088	10	41/02*;34/03	14342	20	52/02;30/03
			13224	36	44/02;5,27/03	14089	29	41/02*;34/03	14344	2	37,40/02
12277	32	35/03*	13225	5	44/02;6,7/03	14090	2	33/02	14345	5	37,40/02;12,22/03
12278	72	36,45/02;19,25,30,33,38/03	13227	13	7/03	14091	6	41/02*	14349	7	42/03
			13228	11	51,52/02	14110	42	32,44/03	14353	3	42/03
12280	3	37*,43,45,46,47,50,52/02;1,6,7,18,28,33,38,44,45/03	13229	27	39,42,45,52/02;1,7,19/03	14111	7	14,32,34,42,44/03	14354	2	32,42/03
			13230	46	2*,7,19/03	14112	5	32,42,44/03	14357		N52/02
			13232	4	39,42/02	14144	29	38/03**	14358		N36/02;N34/03
12281	49	12,19,25,38,44/03	13233	16	10,39/03	14146	2	32/03	14360	36	33,36/02
12282	34	43/03*	13236	29	45/02;1,7,19/03	14151	2	37/02;32,34,38/03	14373	2	34/03
12283	24	8,18,25/03	13237	39	27*,39/03	14168		N37/03	14386	3	36/02
12284	15	7,42/03	13241	15	34,42/02	14169	2	32,38,42/03	14415	4	33/02;36/03
12285	35	11*,14,19,22,34,36,45/03	13244	39	48/02;7,32/03	14173	2	38/03	14420	27	40/03**
12286	29	2*,4,6,42/03	13246	37	36*,42/03	14174		N42/03*	14500	27	52/02*
12289	48	10*,19,22/03	13249	12	22/03*	14175		N43/03*	14758		N32/03
12300	43	19*,39,44/03	13253	18	3*,8/03	14176		N38/03*	14773	16	26/03
12301	21	N37,N39,N42,N45/02;N5,N17,N39,N44/03	13260	39	36*,39,42,45/03	14177		N40/03*	14774	16	15/03
			13263	7	N36,N43,N48,N49/02;N1,N7,N9,N18,NP21,N23,N26,N29,N36,N39,N42,N45/03	14178		N40/03*	14803	26	5/03
12304	43	21*,26/03				14180	38	42/03**	14804	24	5/03
12311	42	38/03*				14181	3	43/03**	14813	21	2/03*
12312	52	10*,15,24,32/03				14183	15	38/03**	14815	22	43/03
12313	49	35*,43/03	13264	103	36,49/02;9,P21,26,29,39,42/03	14184		N32,N44/03	14816	23	5/03
12314	30	46*,50/02;5,25,33,35/03				14185	2	40/03**	14820	19	11/03*
12316	29	2*,6,32/03	13267	30	52/02;1,7,9,36/03	14186	2	40/03**	14822	31	10/03*
12317	31	37,50/02	13270	59	33,34,40,43/02;1,2,7,12/03	14187	2	38/03**	14823	30	1/03*
12318	41	9*,32,44/03				14188	1	42/03	14826	27	4/03*
12323	23	40/02;4/03	13272	47	40/02;8,25,35/03	14189	2	36,42,44/03	14830	30	31*,34/03
12324	30	2*,8/03	13274	25	43/03*	14190	2	37,42/03	14832	34	52/02*
12326	49	35/03*	13275	28	45/03*	14191		N38/03*	14833	25	43/03
12327	96	1*,2,8,12,13,14,16,18,19,23,29,33,34,36,41/03	13276	22	36/03*	14192		N38/03*	14835	31	39/02
			13278	25	1,9,32,39/03	14193		N38/03*	14836	27	42/02*
12331	30	8*,13,14,18,33/03	13279	30	20*,32,39/03	14195		N42/03*	14837	27	3/03
12332	21	43,46/02;13,18/03	13282	11	21*,39/03	14196		N38/03*	14838	3	52/02*
12333	33	44/03*	13283	18	1,9/03	14197		N38/03*	14839	36	9*,43/03
12334	66	30*,34,36/03	13285	10	20/03	14198		N43/03*	14842	12	39/02;2,4/03
12335	39	1,8,23/03	13286	29	39*,40,50/02;1,9/03	14200	2	38/03**	14843	22	39,51/02;43/03
12337	22	45/02;13,18/03	13288	40	36,43,50,51/02;29,42,44,45/03	14201	15	38/03**	14844	31	4/03
12338	9	21/03*				14203	12	42/03**	14845	26	4/03
12339	43	23/03	13290	35	39*,42,44/03	14204	21	38/03**	14846	11	39,40/02;2,43/03
12341	26	36/03*	13292	36	36,40/02;7,16,29,42,44/03	14205	7	38/03**	14847	30	40/02;43/03
12343	18	37/02*;7,21,27/03				14206	20	43/03**	14848	56	9,17,21,22/03
12345	10	42/02*;21/03	13293	33	43,51/02;14,27/03	14208	28	38/03**	14850	51	7,21/03
12347	29	27,29,35/03	13295	11	2*,14/03	14209		N38/03*	14852	45	19*,21/03
12348	33	27,29,34/03	13296	25	43/02;27/03	14211		N40/03*	14853	14	26/03*
12350	57	39*,49/02;29/03	13298	10	43,52/02	14212		N38/03*	14854	13	17/03
12352	29	34/02;17,39/03	13301	20	33,51/02;23,42,45/03	14213		N39/03*	14864	26	37/02
12353	17	39/03	13302	21	41/02;2,7,9,32,42,45/03	14214		N39/03*	14865	16	4/03
12354	40	38/03*	13303	12	48/02*;7,9/03	14215		N39/03*	14867	26	39/03*
12358	19	46*,49/02;1,7,10/03				14216		N39*,N44/03	14871	2	34/03

SECTION I

NM 45/03

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 45/03**

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.
14873	2	35/02	16568	12	39/02*	17472	4	5,14,36,41/03	18445	29	33,39/02;6,7,9,10,15,18,22,25,28,34,36,38,42,45/03
14880	30	33/02;4/03	16575	1	39/02	17480	4	43/02;5,10,36/03	18446	15	6,7,9,18,19,45/03
14881	31	33/02	16576	3	42/02;6/03	17482		N7,N14,N41/03	18447	26	52/02;6,7,10,18/03
14885	20	51/02	16580	11	39/02	17483		N41/03	18448	32	33/02;10,15,22,34,36,45/03
14886	11	41/03*	16590	10	38/02*	17484	3	41/03	18449	17	7,34,44/03
14901	14	52/02*;5/03	16592	9	16/03	17485	4	41/03	18450	17	9*;44/03
14902	28	4/03	16593	11	14/03*	17489	19	43/02	18452	16	34,38/03
14903	23	31/03*	16594	13	2/03	17495	2	43/02	18453	24	14*;25,36,38,42/03
14904	26	40/03*	16595	14	2/03	17503	4	43/02	18455	2	N39/02;N15,N34,N38/03
14905	30	45/03*	16596	12	39/02*	17513		N42,N43/02;N15/03	18458	15	19*;28,34,38/03
14906	23	5/03	16597	8	43/02	17515	7	6,15,16,36,43/03	18459	5	N39/02;N9,N15,N28,N34,N38/03
14910	23	17/03*	16598	9	43/02	17517	8	6,15,16,34/03	18460	11	2*;6,7,43/03
14911	20	4/03	16599	6	43/02	17518	7	P44,48/02;16,18,20,41/03	18464	23	24*;30/03
14912	17	31/03*	16603	7	42/02;6/03	17519	13	16/03	18465	35	2*;15,30/03
14913	18	31/03*	16606	11	37/02*;21/03	17520	2	N6,N16,N34/03	18468	17	7/03
14915	25	28/03*	16608	3	6/03	17521		N15/03	18471	9	36/03*
14916	10	45/02*;17/03	16640	24	21/03	17522		N15/03	18473	7	4*;18,19,34,38,45/03
14917	23	3/03	16646	12	8/03	17523		N15/03	18474	7	45/02*;7,10,15,22,25,34,36,38,45/03
14918	26	17/03	16660	28	42/02;6,16/03	17524		N12,N15/03	18475	1	35/03
14922	19	51/02;9/03	16663	6	42/02;6,16/03	17525		N15,N43/03	18476	4	39/02;7,9,28,34,38/03
14924	27	5/03	16665	7	42/02;6,16/03	17526		N15/03	18477	5	7/03
14926	10	32/03*	16680	10	6,32,37/03	17528		N43/02;N6,N12/03	18480	29	2*;6,7,43/03
14927	24	35,37/02	16681	10	37/02*	17541	3	43/02	18484	10	40/02;15,29/03
14928	21	4/03*	16682	15	8*;17,19,37/03	17542	6	47/02	18485	15	2*;10,29/03
14929	24	14/03*	16683	9	3,6,17,32,37/03	17543	17	41/02;43/03	18486	28	39/02;12,22,28/03
14930	24	45/02	16700	28	40*;43/03	17545	13	43,47/02;43/03	18500	84	39,42,49/02;9,21,28,29,42/03
14931	24	35/02*	16701	19	37/03*	17546	22	42,43,47/02;24,34,35,43/03	18502	65	19*;35/03
14932	23	26/03*	16702	11	37/03*	17548	28	16,43/03	18520	24	33,39/02;22/03
14933	24	35*,37/02	16705	19	49/02;16,43/03	17549	6	47/02;15/03	18521	69	34*;39,49/02;4,10,12,21,22,24,29/03
14934	27	17*;26/03	16707	10	34,37/02;16,20/03	17550	4	42,43,P44,45,47,48,52/02;43/03	18523	53	33/02;4,12/03
14937	24	52/02*;2,17/03	16708	25	37,49/02;16,20/03	18000	8	45/02;6,10,21,36,44/03	18524	33	33/02;4,6,10,24,29/03
14942	25	35/02	16709	22	49/02	18002	6	N45/02;N2,N6,N10,N21,N36,N44/03	18525	33	33/02;4,9,29/03
14963	20	51/02	16712	1	16/03	18003	19	22*;41,43/03	18526	55	33/02;4,18,29/03
14965	21	11/03*	16713	2	49/02	18005	4	N34/02;N6,N10,N13,N21,N26,N40/03	18528	10	52/02*;18/03
14966	25	14*;21/03	16741	9	46/02	18006	3	N6/03	18529	10	52/02*
14967	22	5/03	16760	10	51/02;28/03	18007	31	33,34,37,38,39,40,47,52/02;18,22,24,26,35,41/03	18531	20	34/02;9,10/03
14970	25	40,46,51/02	16761	16	28/03	18008	7	N33,N34,N37,N38,N39,N40,N47,N52/02;N18,N22,N24,N26,N35,N37,N41/03	18532	20	10/03
14973	27	15/03*	17003	4	47,52/02;24,35,36/03	18009	2	N34/02;N6,N13,N26,N40/03	18538	5	8/03*
14975	33	52/02*;43/03	17005	10	41,45,47,52/02;24,34,35,43/03	18010	20	33,34,37,38,39,40/02;6,13,26,33,40/03	18558	37	39/02
14985	9	41/03*	17008	12	43/02;36/03	18012	36	34,37,45/02;6,10,13,21,26,36,40,43,44/03	18561	11	33,39/02;10/03
14988	10	41/03*	17300	30	52/02*;21,39/03	18022	33	34,37,45/02;6,10,13,21,25,33,35,36,40,43/03	18580	21	33,38,39/02
14995	11	52/02*	17302	18	51/02	18400	44	41*;43/03	18581	17	49/02*;4,36/03
15043	3	34/03	17303	9	37/02	18401	12	34/03	18583	38	33,42,49/02;12,43/03
15044	3	34/03	17315	23	2*;16,21,25/03	18403	21	6,20/03	18584	47	39,49/02;4,6,30/03
15066	5	32/03	17316	20	3,25/03	18405	12	43/02;16/03	18587	68	33,39,42/02;4,6,9,10,21,27,36/03
15313	1	15/03	17318	5	39/03	18406	5	16/03	18588	37	22*;36/03
15562		N41/02;N16/03	17320	15	13,29,34,39/03	18409	8	41/03	18589	15	44/03
15569		N23/03	17323	10	13,22,29,39/03	18411		N16,N20/03	18600	14	33,37,38,40/02;44/03
15570		N23/03	17324	13	39/03	18412	10	20/03	18601	13	10/03
15585		N14/03	17325	7	29/03	18413	15	20,22/03	18602	12	26/03*
15690		N35/03	17327	20	5/03	18414	9	20/03	18603	16	9*;10/03
15880		N41/02	17360	33	31*;36/03	18415	8	42/02;7,22,32,39/03	18620	23	35/02*
15954		N47/02*	17382	15	20*;36/03	18416	6	P44,48/02;22/03	18622	52	49/02;21,25,27,35/03
16003	16	13,36/03	17383	1	49/02;8/03	18418	6	15/03	18623	11	34/02
16004	11	13,17/03	17384	7	44/02	18419	11	47/02;12/03	18626	15	37/02;10/03
16005	9	36/03	17400	16	36/02;10,12,44/03	18420	1	22/03	18640	24	26,38,42/03
16006	33	6,32,35,36/03	17401	10	1,36/03	18421	45	2*;18,20,22,32,36,37,39,45/03	18643	17	26*;33,41,43/03
16011	35	38/02;8,29,31,32,35,44/03	17402	10	46/02*	18423	33	1*;5,7,9,15,18,30,32,34,36,38,39,43,45/03	18645	24	50/02;33,38/03
16012	21	38/02;34/03	17405	14	12,25/03	18424	25	7,45/03	18656	53	19*;21,33,40,43/03
16013	28	52/02;21,29,32,34,35,41,44/03	17406	6	25/03	18430	7	6,7,22/03	18657	18	4,21,40/03
16016	19	34/03	17409	10	39/02*;44/03	18431	6	2/03*	18658	29	4,21,33,40/03
16042	7	39/02*	17413	2	43,50/02;10,44/03	18432	5	14/03*	18659	14	49/02;7,16,21,43/03
16061	8	37,49/02;13,17/03	17414	3	41/02	18433	5	2*;22,32,36/03	18660	2	29*;43/03
16200	13	36/03	17416	3	10,14/03	18434	4	P44,48/02;6,9/03	18661	27	15*;16,43/03
16220	5	36/03	17420	26	36,37,42,43,50/02;1,10,12,14,20,36/03	18440	26	3*;15,18,22,28,30,32,34,38,45/03	18662	20	7,43,44/03
16300	8	52/02;3,8/03	17422	8	52/02*	18441	43	39*;45/03	18663	5	14*;43/03
16305	9	8/03	17426	13	37/02;1,16,20/03	18443	15	39/02;6,34/03	18666	1	21,33/03
16322	7	8/03	17427	7	21,36/03	18444	15	39/02;34/03	18680	30	6,13,33,35,38,40/03
16363	12	38/02*	17428	7	5,36,43/03				18685	32	36/03*
16381	8	8,25/03	17429	2	N38/02*						
16440	13	37/02	17430	10	5,36/03						
16441	7	37/02	17434	11	5,36,43/03						
16442	7	41/03*	17435	16	40/03						
16480	10	38/02;34/03	17436	6	20/03						
16500	9	9,33/03	17437	8	21/03						
16520	21	2,31,33/03	17438	12	50/02;10,14,15,21,36/03						
16528	16	9,33/03	17441	7	10,15/03						
16529	14	50/02;9,33/03	17443	12	10/03						
16530	6	50/02;33/03	17445	2	10,14,36/03						
16535	12	2,21,31/03	17446		N10/03						
16549	15	41/03*	17460		N5,N36/03						
16553	3	17/03	17465	4	6,12/03						
16556	4	8/03*	17470		N23,N41/03						
16561	1	29,35,44/03	17471		N6/03						
16566	10	29,44/03									

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NM 33/02 THROUGH NM 45/03

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18687	13	8/03*	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
18700	22	40/03*	21126	1	50/02	22294	15	12/03	24053	16	19/03
18703	25	40/03*	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
18704	12	37/02	21141	23	48/02	22311	19	8/03	24057	4	38,49/02;20,30,33,42/03
18720	31	35/02;4,6,10,12,25/03	21160	1	45/02	22312	2	13,30/03	24058	2	37,38/02;19,22,28,29,30,42,44/03
18721	11	35/02;6,10,39/03	21161	19	43,48/02	22313	2	44/02;8,18,38,40/03	24060	2	34/02;17,32/03
18723	3	6/03	21180	1	2,7/03	22314	1	44/02;40/03	24080	5	17/03
18724	1	22*,25/03	21182	34	39/02	22322	11	33/03**	24091	6	6,21/03
18725	27	32/03*	21200	1	2/03	22331	2	N10,N19,N24/03	24092	14	6/03
18740	39	34,37,45,50/02;5,6,12,25,27,35,41/03	21301	13	3,12/03	22335	4	19/03	24101	3	37,41/02
18741	18	N45,N50/02;N12,N27,N38/03	21342	28	41,44/02	22341	9	43/02;11,21,29/03	24102	3	37,41/02
18744	30	37/02;35/03	21384	3	6/03	22342	9	21,29/03	24110	3	35/03
18746	34	34/02;5,13,41/03	21401	20	7/03	22343	1	N43/02;N10,N11,N21,N41/03	24130	14	5/03
18749	38	40/02;5,6,16,21,26,28,31,39,41/03	21441	27	34,44/02	22344	6	N23/03*	24133	6	31/03
18751	42	40/02;5,6,16,21,26,28,31,39/03	21478	3	9,16/03	22345	11	42/02;24/03	24140	18	41,42/03
18754	17	39*,43/03	21482	1	36/03	22347	6	N23/03*	24141	4	5/03
18757	10	13,41/03	21510	1	9,16/03	22351	1	N43/02;N12,N35,N41/03	24142	43	5,6/03
18758	6	35/02*;16,33/03	21520	1	29/03	22352	6	12,19,24,35/03	24150	27	41/03
18760	6	N34,N35,N45,N50/02;N6,N25,N35,N36,N44/03	21521	14	29/03	22360	2	19/03	24151	4	41/03
18765	15	45,50/02;12,27/03	21525	19	38/03	22361	2	N10,N30,N32,N33,N34/03	24152	2	41/03
18766	7	45,50/02;12,27,36/03	21563	3	45/02	22370	2	15,19,26,30,33,34/03	24153	6	39/03
18768	4	N45,N50/02;N12,N27,N36,N38/03	21581	5	41/03	22371	5	30,32,33/03	24161	11	42/02;7,28,32,39,40/03
18772	47	21/03*	21584	2	41/03	22373	1	N50/02;N10,N24,N30,N32,N33,N34/03	24162	6	39,41/03
18773	39	40*,41/03	21601	4	31/03	22375	1	N10,N15,N26,N37/03	24170	14	5,6,35/03
18774	10	35/02*;10,16/03	21603	9	5,31,36/03	22377	1	N10,N13/03	24171	19	5,6,37/03
19002	9	N37,N51/02;N16,N23,N29/03	21605	7	31/03	22379	1	N50/02;N10,N30,N32/03	24172	4	5,6/03
19004	36	35,37,51/02;23,29,30/03	21661	12	6/03	22381	1	N43/02	24180	15	8,40/03
19007	16	51/02;16,23,29,30/03	22004	38	34,36,39,41,43,52/02;16,29/03	22395	2	42/02;15,19,22,26,30/03	24202	6	31,35/03
19008	4	16,23,29/03	22008	35	34,36,39,41,43,44,48,52/02;6,14,17,29,32,38/03	22401	4	N23*,N30/03	24210	14	42/03
19009	4	16,23,29/03	22012	31	34/02;6,29,32/03	22403	1	N45/02	24220	14	39/03
19010	17	45*,51/02;23,29/03	22032	20	19,40/03	22406	15	46/02	24222	3	39/03
19013	16	51/02;29,30/03	22036	28	47/02	22407	1	N1/03	24223	33	39/03
19019	9	28/03*	22050	4	12,26/03	22408	1	N4,N11,N18,N30/03	24233	15	36,43/02
19320	16	35,37,51/02;5,16,23/03	22052	6	46/02;25,34,43/03	22409	4	N45/02;N10,N17,N22/03	24234	3	35/03
19324	22	35/02;5,23/03	22082	4	13,25,38/03	22410	32	43,44,46/02;19,23,40/03	24240	5	39/02;7,39/03
19327	10	23,43/03	22084	4	42/02;35,37/03	22413	1	N45/02;N22/03	24250	5	39/02;7,39/03
19330	9	27/03	22090	2	43/02;4,17/03	22417	1	N10,N25/03	24251	23	34,43/02;6,39/03
19331	7	23,43/03	22101	3	12/03	22418	2	36,44,46/02;19/03	24252	5	39,43/02;6,39/03
19339	1	N35,N49,N51/02;N5,N13,N30/03	22102	19	43/02;37/03	22420	2	4,11,15,19,30,40/03	24260	5	34/02
19340	26	35,49,51/02;5,13,29,30,36/03	22109	3	17/03	22421	4	N43,N44,N46/02;N11,N23,N25,N26,N27/03	24270	3	17,29/03
19347	17	29/03	22111	4	17/03	22423	3	N11,N25,N27/03	24271	14	17,29/03
19348	7	29,43/03	22112	3	43/02;17,37/03	22424	1	N27/03	24272	2	17,29/03
19353	12	27/03	22113	8	12,17/03	22425	2	44,46/02	24290	3	36,43/02
19357	22	42*,49,51/02;5,13,30,36/03	22114	5	42,43/02;17,33,37/03	22427	1	N43,N44,N46,N50/02;N11,N23,N25,N26,N40/03	24291	4	36/02
19359	10	12,16/03	22117	3	37/03	22429	1	N46/02;N10,N14,N17,N19,N27/03	24292	4	36/02
19360	1	N37,N51/02	22120	3	34,36,39,41,43,52/02;29,32/03	22430	6	19/03	24293	6	36/02;37,42/03
19361	7	30/03	22121	9	34,36,44,52/02;29,32/03	22433	3	39,47/02;11,14,35/03	24294	22	36,02;37/03
19362	12	49/02	22124	2	34,52/02;6,29,32/03	22434	2	35/03	24320	4	34,43/02;6,17/03
19366	36	49/02;5/03	22125	1	36/02	22436	2	39/02;10,14/03	24321	3	6/03
19367	37	49/02;10/03	22126	1	36/02	22440	1	19/03	24322	6	34/02;6,17/03
19369	5	49/02;10,36/03	22130	2	44/02;14,17,29,32,38/03	22471	31	44/02	24350	2	51/02;18/03
19379	1	N51/02;N5,N13,N30/03	22138	2	41,44,48/02;6/03	22481	35	43,44/02;19/03	24352	2	51/02;25,37/03
19380	14	51/02;5,13,30/03	22142	2	39,41,43/02;25,40/03	22482	16	44,50/02;23/03	24360	1	25/03
19381	8	49,51/02;26/03	22145	2	42*,29/03	22492	3	34/03	24370	1	34/02
19382	15	26/03	22160	2	N41/02;N25/03	22521	3	12,17,34/03	24375	2	34/02;38/03
19383	17	49/02;5/03	22170	3	39/02;6/03	22523	3	12,17,34/03	24376	1	38/03
19401	8	10/03*	22172	8	48/02*;4,6,29/03	22529	3	12,17,35/03	24380	2	35/02
19402	6	9/03*	22173	36	48/02*;6,17,29/03	22531	2	12,17,35/03	24382	2	35/02
19421	7	8/03*	22180	2	34/02;32/03	23010	4	38/02	24404	8	35,44,48/02
19441	7	28/03*	22181	16	39,41/02;29/03	23020	4	22/03	24405	10	35,36,44,48/02
19442	5	14*,26/03	22182	6	34/02;14,29/03	23030	6	38/02;21,22,37,42/03	24406	30	2/03
19461	7	10/03*	22183	3	32/03	23121	7	17,20/03	24408	21	36,44,48/02
19483	6	11/03*	22190	2	29/03	23122	8	33/02	24410	2	44/02
21005	5	45/02;2/03	22205	2	12,18/03	23124	3	N17,N20/03	24430	5	39/02;8,11,31/03
21008	62	39,42,43,50/02;1,2,36/03	22221	20	12,31,34/03	23125	4	17/03	24431	14	39/02;31/03
21011	5	2/03	22222	1	4,12,31/03	23131	7	12,22/03	24434	4	39/02
21014	72	42,50,52/02;2,3,4/03	22225	2	12,18,40/03	23141	7	34/02;22,37/03	24450	3	26/03
21017	50	41,50/02;4,5,6,9/03	22233	29	13,18,25,37/03	23142	10	8,37/03	24453	5	26/03
21020	42	41/02;5,6,7/03	22250	2	42/02;12,18/03	23145	3	37/03	24454	5	5,26/03
21021	3	45/02;13/03	22251	11	12,28/03	23150	10	37,52/02	24460	4	39,47/02;15,29,32/03
21023	41	34/02;7,8,9/03	22259	4	20,24/03	23151	3	12/03	24461	4	16,38/03
21033	46	1,16/03	22263	1	26,37/03	23152	3	37/02;12/03	24462	5	47/02;16,29/03
21036	7	1,16/03	22264	2	42/02;13,18,20,24,26,37,41/03	23153	8	12,13/03	24463	6	39/02;12,15,25,26,38/03
21120	27	47,50,51,52/02	22275	3	42/02;12,18,26/03	24004	36	41,42/03	24465	6	33,47/02;38/03
21121	18	47/02	22281	9	12,18/03	24016	53	39/02	24469	1	46,47/02;13/03
21122	5	47/02	22282	17	12/03	24024	46	18,25/03	24470	4	39,47/02
			22283	3	N12/03	24028	6	48/02	24471	8	47/02
			22284	7	N10,N38/03	24050	11	34,38,49/02;20,31,32,33/03	24480	1	41,44,45,49/02;24,27,42/03
			22290	4	18,30/03				24482	2	49/02;31/03
									24483	2	49/02
									24484	3	49/02;31/03
									24490	3	25,27/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 45/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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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.
24491	3	27/03	26290	1	21/03**	35136	2	48,51/02	37075	3	5,18,43/03
24492	20	46/02	26295	1	21*,22,34/03	35141	11	34/02	37080	3	33,34,38,40,42,44,45,46, 51/02;1,4,7,9,14,15,18, 20,21,22/03
24501	3	27/03	26300	7	21/03*	35143	7	34/02	37081	23	38,43,50/02
24502	6	46/02;27,34/03	26308	5	21*,22,23,34/03	35144	3	11/03	37082	9	44,50/02;11/03
24504	7	41,45,46/02;42/03	26309	26	11/03	35150	3	48/02	37084	9	38,40,43/02
24508	3	22/03*	26312	2	21/03	35155	3	25/03	37085	8	38,40/02
24509	2	45,50/02;15,25,34,42/03	26316	3	21/03	35163	7	44/02	37086	8	38,50/02;4/03
24510	2	41,45,46,50/02;42/03	26320	5	35/02;7,12,22,23,25,31, 40/03	35166	4	35/02	37087	7	38,40/02
24511	2	24,42/03	26323	4	1/03	35167	3	35/02	37088	9	5/03
24512	3	44,46/02;24,25,38,42/03	26327	2	N41/02*;N17/03	35169	2	35/02	37089	12	4,13/03
24513	18	46/02;38,42/03	27005	4	6,8,9,22,23,34/03	35200	7	48,51/02;5,25/03	37090	8	45,51/02;1,7,9,14,16, 22/03
24517	2	46,49/02;25,40,42/03	27040	5	9/03	35236	2	38,50/02	37095	3	1,7,9,11,14,15,16,20,22, 32,39/03
25001	7	15/03	27041	4	50/02	35246	2	38,43/02	37104	3	41/02
25017	5	15,25,31,34,39/03	27042	21	41,42/03	35247	4	50/02	37106	4	32/03
25018	9	15,25,31,34,39/03	27060	2	22,23,34/03	35255	3	50/02;14/03	37110	11	47/02;20,25,31,32,39/03
25400	1	35,48/02	27080	4	15,22,39/03	35256	2	14/03	37112	1	47/02
25480	1	42,46/02	27081	6	49/02	35270	2	38,46/02	37115	2	33,47/02;7,25,31,32, 39/03
25485	45	36/03	27082	6	49,51/02	35276	3	46/02	37119	2	43/02
25487	2	36/03	27083	39	28/03	35277	3	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
25524	43	33/02;1,5,20,24,26,32/03	27084	4	13/03	35279	3	38/02	37121	11	25/03
25525	17	1,5,26/03	27100	2	8,21/03	35299	9	13/03	37122	12	48/02;19,31,44,45/03
25526	2	33/02;24,32/03	27102	11	28/03	35301	6	17/03	37123	9	49/02;6,20/03
25527	31	33/02;24,32/03	27120	4	41,43,44/02	35302	7	17/03	37125	15	42,49/02;6,9,20/03
25528	5	42/02	27142	5	9/03	35303	7	40/02;17/03	37126	8	41/02
25550	2	21/03	27160	2	8,13,35/03	35308	5	10/03	37127	11	49/02;4,6,20/03
25563	50	33/02;14,18,21/03	27161	4	8,13/03	35330	2	38,41/02	37129	6	39,42,49/02;4,6,20,23,24, 30,42,45/03
25565	7	33/02	27163	21	49/02;8/03	35350	2	38,41/02	37133	4	44/02
25566	27	18,30/03	27183	8	1,9/03	35402	3	38/02	37134	5	38/02;45/03
25567	16	21/03	27186	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
25570	3	16/03	28004	1	45/02;8,9,22/03	36010	27	38/02;5,15,16,20,23, 43/03	37137	6	46,48/02;30/03
25575	4	35,39/03	28006	1	8/03	36015	2	36,46/02;27,44/03	37139	8	1/03
25600	47	25,27/03	28050	3	34/02;26,42/03	36040	16	1,15/03	37140	33	35,49,51/02;4,6,16,24,25, 30,32,42,43,44,45/03
25607	4	39/02	28084	4	17/03**	36046	5	38/02	37141	29	36,40,48,51/02;1,4,12,17, 19,24,27,31,45/03
25608	21	16,26,34,38/03	28150	3	8/03	36060	17	38/02;5,8,20,21/03	37145	23	46,50/02;4/03
25613	2	25,27/03	28154	2	38/03	36061	5	46/02;20/03	37147	15	35,36,40/02;1,10,12,16, 17,19,25/03
25640	40	15,25,31,34,39/03	28190	2	41,43,45,46/02;18/03	36062	11	40*,46/02	37148	13	35,38/02;4,10,11,27/03
25644	13	20/03*	28196	4	41,43,45/02;18/03	36098	6	5/03	37149	10	44/02
25646	7	N42/02	28197	4	45/02;18/03	36102	6	13/03	37150	8	14,19,26,27,32,33,35,37, 39,41,43/03
25649	19	44/03*	28202	22	41,44/02	36103	9	13/03	37161	14	34,43/02;1,14,19,24,41, 43/03
25650	33	25,30,31,39/03	28210	2	33,35,39,41/02	36106	6	13/03	37162	12	21,26,27,30,32,33,35,37, 39,40,41,43,45/03
25653	13	8/03*	28220	2	35,39/02	36107	7	47/02;5,13/03	37163	19	32,43/03
25659	9	20/03*	28221	18	33,37,39/02;5/03	36118	3	5/03	37164	4	23,26,27,30,32,35,37, 43/03
25663	27	17,30,39/03	28223	4	35,39/02	36120	9	46/02;5,8,16,23,27/03	37165	2	34,36/02;10,12,13,15,21, 23,26,27,28,30,32,34,35, 37,39,43,45/03
25664	15	17,30,39/03	28260	30	35,37/02	36123	25	46/02;11,16/03	37166	2	14,19,21,26,27,30,32,33, 34,35,37,39,40,41,43, 45/03
25666	17	17/03	28263	3	35,37/02	36124	18	16/03	37170	11	38/02;14,19/03
25667	20	15/03	28264	3	35,37/02	36125	7	4,30/03	37175	2	5,27,30,45/03
25668	18	48/02;13,34/03	28281	32	36/02	36137	4	38/02	37180	20	38/02;27,31,35/03
25670	41	38,48,49/02;4,5,13,20/03	28282	2	35/02	36139	3	39/02;4/03	37182	14	35,47,48/02;24,27/03
25671	18	21/03*	28300	1	39,50/02	36140	12	36,41/02;4,10,27/03	37183	9	48,51/02;10,24/03
25673	15	42/02;43/03	28302	16	33,39,40/02;12/03	36141	7	4/03	37184	8	48/02;5/03
25675	9	20/03*	28310	2	33,35,39/02	36143	4	34/02;5,30,43/03	37200	15	28,30,35/03
25677	20	32*,39/03	28320	6	33/02	36161	10	34,44,45,47,50/02;4,10, 18/03	37202	2	22,27/03
25679	10	20/03*	28325	2	5/03	36162	10	35,45,47,50/02;4,18/03	37205	2	39/02;22,24,30,40/03
25681	16	28*,34,39/03	29002	9	18,29/03	36163	13	34,35,38,44,45,47,50/02; 4,18/03	37221	13	34,36/02;6,10,11,12,13, 14,15,21,23,29,30,32/03
25683	18	32*,34,39/03	29015	5	16/03	36164	7	34,38,44,46/02;8,15/03	37222	13	21,22,30/03
25685	9	22/03*	29040	3	39/03	36165	6	36,44/02;10,27,30,43/03	37223	14	42/02;21,26,27,30,32,34, 35,39,43/03
25687	12	30/03*	29107	2	29,36/03	36167	2	40/02	37224	11	22,23,30,37/03
25700	3	15/03	29127	4	29,39,42/03	36173	1	40/02	37226	17	39/02;8,9,12,14,17,21, 23/03
25720	3	33/02	29141	3	29,39/03	36180	23	36,40,50/02;4,27,44/03	37228	14	8,14,23,27,29,30/03
25800	3	36/02	29142	3	7/03	36181	18	36,40,50/02;4/03	37229	15	8/03
25841	9	36/02	35000	26	47,48/02;14/03	36182	6	36,40/02;27/03	37230	14	39/02;28/03
25848	25	5,13,15/03	35008	21	45,48,50/02;5,25,27/03	36186	22	47,48/02;14,23,43/03	37231	18	6,10,12,14/03
25849	13	42/02;12/03	35009	19	40,41,45/02;5,10,14/03	37005	16	41,45,47/02;5,12,13,15, 23,28,29,30/03	37232	12	29,31/03
26001	4	9/03	35011	2	48/02;1,25/03	37006	15	36,38/02;5/03	37234	13	7,8,31/03
26050	1	34/02;26/03	35036	21	36/02;10,15,27,43/03	37010	23	41,45,47/02;10,12,13,15, 19,23,27,28,29,30,43/03	37235	11	17/03
26060	1	49/02;42/03	35040	18	45/02;4,8,10,14,21/03	37025	26	38,51/02;1,24,25,27,31, 33,34,36,38,41,43/03			
26068	11	18/03	35041	8	35/02;4/03	37032	2	1,6,25,31,38,42,43,45/03			
26081	8	46/02;16,42,43/03	35042	9	44/02;4,14/03	37033	2	47/02;33/03			
26100	4	31/03	35044	9	38/02	37034	2	8,14,33,41/03			
26122	30	22/03*	35047	5	35/02	37041	15	50/02			
26125	3	41/03	35060	14	40,41/02;10,14/03	37042	5	41,45/02			
26127	21	49/02;5/03	35080	16	40/02	37043	17	43/02;43/03			
26128	50	49/02;5/03	35081	15	22,27/03	37044	16	45/02			
26129	11	41/03	35082	7	22,27/03	37045	11	45/02			
26142	10	33/02	35083	8	20/03	37046	18	43/02;43/03			
26210	2	36/02	35084	15	50/02	37050	9	42,46/02;10,12,17/03			
26218	2	31/03	35086	5	22/03	37060	3	46,50/02;9,13,18,43/03			
26219	5	31/03	35088	2	50/02	37061	15	36,38/02;5/03			
26229	11	31/03	35099	3	41/02	37063	21	36,50/02;43/03			
26230	12	31/03	35100	14	40,45/02;5,30/03						
26240	7	9/03	35101	6	41/02						
26244	3	9/03	35103	5	41/02						
26245	16	51/02;15/03	35120	13	40,45,47/02;5,30/03						
26259	2	51/02	35130	3	48,51/02;5/03						
26261	27	8/03	35135	1	5/03						
26262	3	8/03									
26282	6	22,23,34/03									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 45/03

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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.
37238	6	17,21,30,33,37,40,41,45/03	43059	3	44/02;20/03	44036	5	13,16,17,20,23,28,30,32/03	44207	1	4,5,17,19,23,28,40,41,45/03
37241	17	26,27,30,32,33,35,37,39,43,45/03	43060	4	44/02;27/03	44037	5	16,22/03	44220	5	46/02;4,5,13,16,21,40,45/03
37242	10	26,30,32,35,39,43/03	43079	2	41/02	44040	23	44/02;6,10,13,16,17,20,22,23,24,28,30,32,44/03	44221	1	19,21/03
37243	7	27,30,32,37/03	43080	4	44/03	44041	7	48/02;1,9,10,13,16,20,23,28/03	44223	1	6,13,21,24/03
37244	11	23,26,27,28,30,32,33,35,37,39,43,45/03	43101	3	46/02	44042	7	44,45,49/02;4,7,9,10,11,17,19,20,25,27,28,29,32/03	44224	1	49/02;5,20,21,24,42/03
37246	14	21,24,27,30,32,33,35,39,40,43,45/03	43102	4	46/02	44043	8	44/02;1,6,9,10,11,13,16/03	44240	8	49,50/02;4,7,13,14,15,16,19,21,25,39/03
37248	18	39/02;21,23,24,26,27,30,32,35,40,41,43,45/03	43104	4	46/02	44044	6	6,10,13,16,44/03	44243	2	5/03
37258	4	1,11,22/03	43106	6	44/02;44/03	44045	6	22,44/03	44280	9	34,49,50/02;2,6,12,15,19,22,34,44/03
37261	10	1,7,11,20,22/03	43125	7	44/03	44046	10	22,24/03	44281	2	49/02;12,15,19,21,22,27,45/03
37262	20	1,11/03	43127	5	20/03	44047	22	44/02;10,12,22,24,30,31,32,40/03	44282	1	49,50/02;13,17,19,21,26/03
37264	3	1,15,22/03	43140	4	41,48,52/02;12,35,38/03	44048	11	5,12,18,22,25,27,31,40/03	44283	2	50/02;8,21,43,45/03
37265	3	1,7,17,32/03	43141	5	52/02;12/03	44049	9	44,46,50/02;8,14,22,24,30,31,40/03	44284	2	41/02;6,42,44/03
37281	15	1,15,22/03	43142	4	52/02;12/03	44050	21	20,31,32/03	44285	1	2,15,40,44/03
37320	16	38,44/02;9,10,11,P12,15,17,21,24,36,38,44/03	43143	4	12/03	44051	1	44,48,50/02;1,11,14,22,25,26,27/03	44286	1	2,27,40/03
37325	8	34,39,47/02;15,18/03	43144	4	6,12,43/03	44057	5	29,30/03	44310	5	41,42/02;7,37/03
37326	2	34,47,51/02;15,18,21,36/03	43145	4	12/03	44061	21	24,32/03	44313	1	41,47/02;36,37,39,40/03
37328	2	42,44/02;11,15,21,24/03	43146	2	48/02;34,35,44/03	44062	8	28,40/03	44319	2	41,42/02;4,6,9,10,P20,26,27,28/03
37330	2	34,38,40,46/02;9,13,14/03	43147	3	35,38/03	44063	8	17/03	44320	4	6,8,9,15,P20,25,26,37/03
37342	3	2,11,15,21,45/03	43148	4	43/03	44064	19	22,28/03	44321	6	40/02;6,8,44,45/03
37343	10	45/02	43150	2	N34,N35,N38,N41/03	44065	7	42/02;16,17/03	44340	11	37/02;4,6,8,9,15,17,P20,26,33,37/03
37344	11	34/02;21,38,45/03	43161	6	34,35,36,38,41/03	44066	10	39/02;31/03	44341	7	37,41/02;7,9,P20,26/03
37360	15	34,43/02;2,9,10,11,15,17,21,24,31,36,38,39,43,44,45/03	43162	2	41,44/02;35,41/03	44067	22	16,17,28/03	44342	8	37,41/02;6/03
37362	6	43,48,51/02;1,2,4,17,22,32,33,38,39/03	43163	3	44/02;41/03	44068	11	44,50/02;10,11,13,40/03	44352	4	4,6,7,8,12,15,17,19/03
37363	8	48/02;4,17,32/03	43164	3	48/02;6,34/03	44069	16	11,13,17,22,23,40/03	44360	9	34,37,41,42/02;4,9,10,20,27,28,30,31,32,37,39,44/03
37367	1	38,49/02	43166	2	43/03	44070	7	28/03	44361	6	4,10,15,21,26,27,28,35/03
37380	2	34,40,42,43,44,48,51/02;9,10,17,21,38,39,41,43/03	43167	5	36,42,44/03	44071	4	29/03	44365	1	7,8,26,27,43/03
37400	10	34,38,40,41,44,46/02;6,10,20,31,34,36,41,43/03	43180	5	9,44/03	44072	4	40/03	44366	1	34,41/02;44/03
37401	9	44/02;4,6,13,14,16,22,31,36,43,44/03	43181	3	43/03	44075	4	42/02;13,23,40/03	44367	2	35,37,40/02;6,39/03
37402	7	41,42,44,50/02;4,13,14/03	43182	4	47,52/02	44076	3	22,28,30,32/03	44400	4	48/02;4,6,7,8,9,12,15,17,19,23,24,25,27,34,41/03
37403	23	10,41/03	43204	4	43,46/03	44081	9	39/02;9,13/03	44401	7	10,12,19,24,41/03
37420	1	34,43/02;1,7,41/03	43225	4	52/02	44082	11	9,33/03	44410	4	4,6,11,12,13,14,15,23,24,26,27,41,45/03
37421	8	14,21,41/03	43226	2	44,52/02;37/03	44083	8	9,11,24,25,26/03	44420	6	36,49/02;8,9,10,11,12,14,17,22,25,27,40,44/03
37423	5	14,21,41/03	43227	4	41/02	44084	1	6,11,26/03	44430	2	6,10,11,14,19,24,25,40,44/03
37443	2	38,45/03	43240	4	50,51/02	44100	7	44/02;2,9,11,12,13,22,31,40,41/03	44444	6	9,12,30,34,35,36,38,41/03
37445	1	48/02;1,34,38/03	43242	4	52/02	44105	2	49/02;5,6,8,24,26,27,41/03	44461	10	6,10,24,25,26,28,31,36/03
37446	2	1,34/03	43243	4	50,51/02	44110	7	2,9,10,15,19,20,22,23,24,27,33,39,40,41,45/03	44462	4	27,39/03
37461	9	51/02;6,20,25,36/03	43244	5	44/03	44112	8	50/02;1,6,19,21,23,24,26,31,40,44/03	44463	9	24/03
37463	6	1,43/03	43248	3	9,44/03	44116	7	46/02;1,4,5,6,11,13,14,15,20,26,31,41/03	44465	2	6,25/03
37481	7	47,48/02;6,7,14,30/03	43252	1	44/03	44117	2	50/02;1,2,6,10,21,35,39,41/03	44481	2	24,26,31/03
37501	3	46,47/02;7,8,20,33/03	43255	7	44/02;37,44/03	44118	2	2,5,7,10,16,26,27/03	51007	22	38/02;7,27,33,40/03
37505	2	46/02;7,33,41/03	43265	2	44,52/02;37/03	44119	2	10,16,35,39/03	51013	4	38/02;7,21,33,36,45/03
37506	4	45,46,47,51/02;8,20,33/03	43270	2	44/02	44180	6	34,45,46/02;1,2,5,7,8,9,20,26,43/03	51017	31	37/02;24,40,44/03
38320	3	35/03	43280	5	44/02;37,40/03	44181	5	5,10,13,20,21,27/03	51022	11	37/02;44/03
38528	4	N20/03	43281	6	27,37,44/03	44182	4	48,49/02;1,2,15,18,27,42,43/03	51027	8	45/03
38580	8	18/03	43283	6	27,37,40,43/03	44183	6	48/02;1,6,8,9,10,19,20,25,27,35,39,43/03	51032	10	45/03
38585	4	18/03	43284	4	51/02;40,43/03	44184	9	45,49/02;2,10,13,20,22,32/03	51061	14	1,7,15,17,19,21,22/03
41000	2	15/03	43285	5	44/02;44/03	44185	7	45,49/02;1,2,10,27,32/03	51062	28	15,17,19,22/03
41060	3	34/02	43287	2	27,37/03	44186	2	45,46,48/02;1,2,5,8,9,10,15,16,25,27,29/03	51064	2	52/02;1,17/03
42003		N23/03**	43300	5	44,47,50/02	44187	1	5,6,9,13,25,27,39,44/03	51081	10	5,6,13,15,17,21,22,45/03
42004	1	N23/03*	43301	4	45,50/02	44188	1	46,48/02;1,11,18,22/03	51082	7	5,7,13,15,17,21,22,45/03
42036	2	43/03	43302	4	44,47,50/02	44189	1	46,48/02;1,18,23,39,43,44/03	51100	7	1,6,7,8,9,14,27,33,34,41/03
42038	2	43/03	43303	4	41,47,50,51/02;43/03	44192	2	5,6,9,13,25,27,39,44/03	51103	10	33,45/02
42160	3	7,38/03	43304	2	44,47,50/02;43/03	44193	1	1,7,15,18,43/03	51104	1	33,45/02
42301	3	38/03	43321	6	41,47/02	44200	9	34,52/02;4,9,12,13,22,27,37,43/03	51120	6	6/03
42560	5	31,38,40/03	43323	4	27/03	44201	1	33,48/02;2,5,15,25/03	51135	1	22/03
42580	5	40/03	43324	4	27/03	44202	1	48,52/02;2,4,5,7,12,13,27/03	51142	2	6,13,15,22,33,40,45/03
42600	5	14,30,40/03	43341	7	41/02;12/03	44205	2	48,52/02;2,5,7,12,15,19,22,26,27,29,31,39,43/03	51143	4	6,40,45/03
42620	5	14,38/03	43342	7	26/03	44206	1	46/02;4,5,13,16,17,19,24,28,40/03	51144	3	52/02;1,15/03
42640	6	38,40/03	43344	3	39/03				51145	2	42/02;13,22/03
42660	5	38/03	43345	4	1/03				51146	3	42,52/02;5,36/03
42740	5	34,41/02;6,25,31,40/03	43360	21	6,10,13,17,20,21,28,30,32,43/03				51150	1	50,51/02;1,13,15,22,33,40/03
42742	3	6,8,30/03	43362	5	44/03				51154	3	50,51/02;13,15/03
42760	5	8,19,24,25/03	43363	5	45/02				51155	1	50,51/02;1,15,22/03
42762	3	N25,N30/03	43364	5	45,46/02				51158	2	6/03
43000	4	9/03	43366	4	44/03				51159	3	47/02;39/03
43015	12	9/03	43368	5	43/03				51160	20	48,50,51/02;1,4,5,6,7,14,15,21,22,45/03
43030	24	2,9,10,11,12,13,15,17,22,27,28,30,32/03	43369	6	43/03						
43040	6	38/03	43371	13	38,43/03						
43058	3	20/03	43373	8	45/02;17,20,40,42/03						
			43374	1	43/03						
			43375	7	46/02;6,7,10,12,16,18,23,42,44/03						
			43378	2	38/03						
			43384	1	48/02;4,5,6,7,10,11,12,13,15,16,17,18,23,25,26,27,32,44/03						
			43385	1	45,48/02;5,11,13,20,23,24,26,42/03						
			44000	16	44/03						
			44001	2	48,49/02;1,6,7,8,9,11,13,14,P20,23,26/03						
			44015	8	48,49/02;6,7,8,9,10,11,13,14,24,26,40,44/03						
			44030	7	46/02;4,8,9,13,19/03						

SECTION I

NM 45/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 45/03

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.
51163	4	4,43/03	52223	4	27/03	53303	6	49,51/02	54421	6	47/02;36,41,43/03
51164	18	38,45,46,50/02;2,4,8,43/03	52240	9	27/03	53306	2	39/02;31,43/03	54423	5	48/02*;17/03
51165	8	45,50/02;2,4,8,10,14,16,39/03	53011	2	51/02	53311	3	39/02;37/03	54430	1	37,43/02;36,43/03
51166	3	N45/02;N39/03	53031	1	39,48/02;5,12,14,24,31/03	54040	3	37/02;6,10,20/03	54440	4	41/02;17,38/03
51167	6	45,50/02;2,4,8,10,16/03	53058	2	4,37/03	54041	7	35/02;4,8,16,17,24/03	54441	6	42/02;2/03
51168	2	45,46,50/02;2,4,8,45/03	53060	14	51/02;4,5,9,10,12,14,31,36,39,44/03	54043	2	17/03	54462	5	17/03
51180	5	13,16/03	53061	10	44,47/02;12,16,17,38,44/03	54060	5	37/02;16/03	54464	5	17/03
51200	4	14/03	53062	13	1,14,16/03	54061	11	52/02;42/03	54480	8	36,41/02;2,17,21/03
51220	8	33/02;18,43,45/03	53063	9	33*,37/03	54063	3	1,13/03	54481	8	36/02;33,43/03
51222	6	51/02;16/03	53064	6	33/02;10,20,39/03	54081	3	10/03	55001	4	36,37,42/02;14,15,28,29,33,35,36,39,43,44/03
51223	2	17,18/03	53065	2	33/02;39/03	54085	2	40/02;15,24,42/03	55040	4	39,41/02;16,20,21,35,36,39,41,42/03
51240	2	33/02;43/03	53066	2	33/02;20,39/03	54090	3	46/02*;11,15,19/03	55041	7	21,43/03
51260	4	37,50/02;16,18,28,43,44/03	53081	8	4,5,11,16/03	54095	3	46/02*;8,15,30,42/03	55042	1	42/02;17,35,37/03
51261	23	5,6,13,15,19,40/03	53082	13	40/02	54105	3	46/02*;8,13,17,19/03	55043	2	37,39,42/02;37/03
51263	23	49/02;13,17/03	53083	8	9,10,21,22,41/03	54115	5	37,39,41/02;15,17,19/03	55044	5	41,43/02;16,42/03
51341	23	48/02;6,16,34/03	53084	6	51/02;14,16/03	54120	7	41/02;15,30/03	55045	2	41/02;39/03
51342	3	1/03	53085	6	51/02;14,16/03	54125	1	3,42/03	55046	4	37,38,39,41,48/02;18,19,35,36,41/03
51344	2	5,7,16,18,44/03	53086	8	46,48/02;17/03	54161	12	10,20,21/03	55047	8	41/03
51380	5	47/02;42/03	53087	9	48/02;17/03	54165	2	33,37/02;38/03	55048	12	36,37,39,41,48/02;20/03
51420	5	42/03	53088	7	33/02	54166	3	10/03	55049	6	41,43/02
51440	4	42/03	53089	4	21,22,23,41/03	54167	2	20/03	55060	7	36,37/02;28/03
51500	6	20/03	53090	1	41/02	54168	1	37/02;10,17,38/03	55061	1	28/03
51540	3	22,45/03	53093	2	41/03	54169	3	37/02;17,38/03	55062	5	28,33/03
51559	3	41/02	53100	16	33,39,42,51/02;6,10,13,18,20,21,24,31/03	54180	6	41,43,50/02;5,30,42/03	55063	1	6,44/03
51580	13	41/03	53101	7	33/02;8,13,16,24/03	54195	2	5/03	55064	3	37,48/02;6/03
51600	12	20,39/03	53104	2	35,42/02;20,24/03	54200	4	5,8/03	55082	9	5,25,32,44/03
51620	10	20,39/03	53105	20	37/02;8/03	54201	6	8/03	55084	7	39/02;39/03
51621	9	20/03	53106	6	21,33/03	54222	4	43/02;20/03	55085	9	5,31,33,36,39/03
51641	4	32,34,40/03	53107	16	35/02;6/03	54223	2	8/03	55100	8	36,37/02;6,28,29,33,34,39,43,44/03
52031	1	6,21/03	53110	1	40/02;10,15,17/03	54224	2	8/03	55101	4	7,25,32,34,38,39,42,43/03
52039	4	5*,7,8,9,13,14,18,21,45/03	53111	3	44/02*	54226	2	50/02	55102	3	4,5,15,25,32,36,43/03
52040	17	43,50/02;13,16,18,34/03	53112	14	39,42/02;5,6,7,13,17,31,35/03	54266	2	13/03	55103	2	48/02;1,4,5,7,15,19,20,25,26,27,31,35,36,38,42,43,45/03
52042	6	22/03*	53122	3	40/02;7,8,16/03	54279	4	50/02*;2,15/03	55104	2	48/02;4,5,7,14,19,31,33,36,45/03
52043	21	46/02;6,7/03	53123	3	7,29/03	54280	10	5,15,22/03	55105	7	36,41,42/02;14,15,29,33,36,42,43/03
52045	6	36/02	53125	2	46,51/02;13/03	54282	1	51/02	55110	2	37/02;6,29,43,44/03
52046	21	50/02;6,7,16,18,21/03	53126	1	42,47/02;10,13,18/03	54283	5	52/02	55120	2	36/02;6,14,28,33,34,42/03
52047	11	7,8,34/03	53130	1	42,47/02;10,13,18/03	54284	1	51/02;15,34/03	55127	2	10,14,24,27,32,36/03
52048	3	8/03	53133	4	33*,45/03	54287	7	5,15/03	55128	2	33,36,38/02;1,4,5,8,14,26,27,28,32,34,43/03
52051	1	43/02	53135	2	51/02;7/03	54288	5	1/03	55129	7	33,36,37/02;6,15,27,34,35,42,45/03
52052	1	43/02	53141	5	34,51,52/02	54289	8	1/03	55130	2	45/02;5,14,19,32,33,34,39,42/03
52054	1	14/03	53147	3	36,39,42,51/02;6,7,10,13,17,20,35/03	54299	4	48/02;1,24,25/03	55131	1	36,45/02;6,19,25,38,39/03
52055	1	14/03	53160	14	51/02;3,6/03	54329	4	5/03	55133	3	5,14,34,36,38/03
52060	16	43,50,51/02;7,12,P20,26,29,34/03	53161	8	51/02;3,8,13,18/03	54332	7	1/03	55139	5	41/02
52061	2	45,48,51/02;7,12,20,P20,26,29,34/03	53162	7	50/02*;15/03	54327	4	48/02;24/03	55140	2	1,5,14,29,33,34,35,36,42,45/03
52062	7	7,12,23,29,34/03	53164	9	37,51/02	54346	8	11,12,13/03	55150	2	37/02;15,36/03
52066	3	50/02;14,16/03	53165	13	39/02;8/03	54347	4	51/02	55160	2	42/02;29,41,42/03
52080	14	50,51/02;4,7,10,11,12,14,20,P20,26/03	53180	10	33,34,43,51/02;1,3,6,7,13,15,18,20,21,29/03	54352	3	52/02;1,3,33,37/03	55170	2	36,41/02
52082	3	45,46,48/02;11,12,20,20,26/03	53181	4	34/02;1,13,21/03	54359	2	38/03	55180	2	33/02;1,15,29,33,36,39,42,45/03
52083	2	45,46,51/02;1,16/03	53182	4	36/02;15,16/03	54360	12	52/02;20,21,34/03	55190	2	6,20,27,39,40/03
52084	2	45/02;4,10,11,12,14,18/03	53183	13	35/02;20/03	54362	3	52/02	55200	2	8,10,20,25,26,27,28,32,33,36,39,42,45/03
52085	3	50,51/02;4,11,16/03	53184	5	35/02;1,6,13,18,20/03	54363	3	21/03	56031	1	1,2,17,21/03
52086	2	45,50,51/02;1,4,9,11,14,36/03	53200	6	33,36,43/02;5,6,7,15,16,20,30/03	54364	2	52/02	56041	4	21/03
52087	1	51/02	53201	6	51/02;18,21,38/03	54386	6	36/02;11,21/03	56044	3	38/02
52088	2	45/02;4,10,11,12,14,18,P20,26/03	53202	6	15,17/03	54387	4	52/02;20,21,34/03	56060	9	27*,38/03
52092	1	46,51/02;16/03	53203	11	5/03	54388	9	16,28,40/03	56063	1	16/03
52120	12	51/02;6,11,16,18/03	53206	6	5,26/03	54389	10	42/02;16,18/03	56064	6	38/02;2,16/03
52121	8	45,46/02;1,6,8,11,16,23/03	53206	6	5,25/03	54397	7	42/02;16,18,30,39,42/03	56065	3	33,38/02;16,38/03
52122	14	45/02;11,14/03	53220	6	36,43,51/02;5,16/03	54398	8	43,52/02	56067	3	48/02*;20,38/03
52124	1	51/02	53226	3	3*,17,18,35/03	54400	8	43/02;3,16,22,30,36,37/03	56081	19	41/02
52125	1	45,46/02;8,11,16,18/03	53242	12	52/02;1,13/03	54402	4	52/02	56082	16	29/03
52140	6	48,50/02;3,12,18,29/03	53244	2	1/03	54403	4	43,52/02;24,30,36/03	56100	14	33/03*
52141	5	48/02;41,44/03	53262	7	42/02;21/03	54404	4	43/02;3,7,16,30,37/03	56101	6	33/02;1/03
52142	2	12,18,23,29/03	53263	1	37/02;17/03	54409	2	7,8,12/03	56102	23	1/03
52143	8	18/03	53264	5	17/03	54413	3	37/03	56103	6	1,33/03
52144	5	50/02;3,7,8,10,14,16,18,21,23/03	53265	6	35,41,46,52/02;15,16/03	54416	5	33,37/03	56104	3	22/03*
52161	14	6,11,14/03	53266	4	1,8,13,17/03	54417	5	30/03*	56105	1	38/03*
52164	2	14/03	53268	4	42/02;7/03	54418	4	43/02;3,7,16,30,37/03	56120	12	1/03
52170	3	14,16,42/03	53269	5	17/03	54419	2	3/03	57000	10	43/03
52172	2	40/02;1/03	53279	3	7,15/03				57029	9	12/03
52180	14	42,43,51/02;1,8,10,13,15,16/03	53281	4	40,52/02;15,18/03						
52200	8	7,17/03	53282	8	40/02						
52220	7	27/03	53283	4	33,52/02;40/03						
52221	7	27/03	53284	4	33,40/02;7,21,24/03						
			53285	4	35/02;7,15/03						
			53287	6	35,42/02;1,5,7,8,10,15,22/03						
			53290	1	35/02						
			53301	4	22/03						
			53302	4	51/02						

CHARTS AFFECTED BY NOTICE TO MARINERS
 NM 33/02 THROUGH NM 45/03

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.
57035	10	10,12,23/03	62092	7	41/02	62541	3	N34,N40,N45,N48,N50,N52/02;N8,N12,N17,N18,N21,N30,N35,N43/03	71140	6	33,39,46/02;1/03
57060	7	43/03	62093	7	41,49/02				71180	29	33,37/02;7,12,13,15,21,23/03
57063	5	40,41/02	62095	3	11*,32/03				71185	24	7,13,15/03
57064	3	41/02	62097	6	38/03*				71186	2	7/03
57101	18	41/02	62098	7	33/03*	62550	3	16*,28,32/03	71210	18	44/02;3,23,27/03
57103	2	16/03	62100	6	P23,26/03	62560	4	16*,18/03	71211	4	38/02
57120	13	43/02	62110	9	P23,26/03	62570	4	33,34,36,40,45,48/02;8,12,17,18,30,35,37,43/03	71212	1	38/02
57140	10	43/02	62140	1	34,40/02				71230	11	38/02;6/03
57141	14	43/02	62142	10	32/03	62580	3	33,45/02;12,35/03	71241	10	6,12,16,20/03
57142	6	43/02	62143	3	32/03	62590	2	36,40,46,48/02;8,12,17,18,21,23,30,37,43/03	71243	5	15/03*
57160	10	43/02	62170	2	38/02				71247	18	5,6,8,14,17,21,22/03
57162	7	43/02	62171	4	38,47/02	62591	3	N36,N46,N48/02;N8,N12,N17,N18,N21,N23,N30,N37,N43/03	71248	2	N51/02*;N1/03
57164	2	43/02	62191	15	11*,15,28/03				71249	2	35/02
57165	1	43/02	62194	8	36/02;4/03	63000	13	48/02;40/03	71251	11	35,40/02;1,15,21/03
57170	1	43/02	62195	7	19/03*	63005	18	16/03	71253	10	35,40,42/02;5,6,7,13,14,16,17,21/03
57200	6	11/03	62220	9	21/03*	63010	14	52/02;44/03	71255	6	28/03*
57220	4	11/03	62222	5	19/03*	63015	11	38,40,52/02;9/03	71257	2	5,6,7,12,13,16/03
57241	12	31/03	62225	3	37/02;17/03	63020	15	4,9,11/03	71258	2	35/02;5,6,7,13,22/03
57242	8	41/03	62241	10	9/03	63040	2	46/02	71259	3	15*,17,19,44/03
57245	1	41/03	62242	11	47/02;9/03	63053	4	39,45/03	71261	8	35/02;2,16/03
57260	3	23/03	62250	4	34,38/02;32/03	63055	2	39/03	71262	7	6,33/03
57261	2	23/03	62270	4	37,41/02;29,32/03	63060	7	45/03	71265	3	46*,49/02;7,13,15,16,20/03
57262	4	23/03	62271	5	37,41/02;10/03	63062	7	7,16,18,37,44/03	71271	10	34,52/02;19/03
57381	12	52/02;15,16,23/03	62290	3	37,41/02;10,21,P23,26/03	63063	9	20/03	71272	10	34/02;19/03
57400	4	12/03				63065	6	44/03	71275	3	35/02;2,6,16,19,33/03
57408	2	12,24/03	62295	3	21,P23,26/03	63070	3	16/03	71281	7	51/02;34/03
57420	3	12/03	62302	2	4/03	63080	5	48/02	71285	3	34,52/02;13,19/03
57460	4	10,12,29/03	62310	2	29/03	63090	8	15,30,40/03	71295	2	34,39,40,52/02;12,19/03
57471	3	12,15/03	62330	2	38,40/02	63091	4	39,48,52/02;9/03	71305	2	34,36/02;2,13,23/03
57472	2	12/03	62340	3	38/02	63100	2	44/02;30/03	71311	4	7/03
57480	8	12,15,23,27/03	62343	3	8/03	63101	15	15,30,40/03	71313	8	45/02
57482	12	24/03	62350	3	10/03	63102	19	15,30,40/03	71314	5	6/10/03
57483	11	24/03	62355	6	8,29/03	63103	17	15,16/03	71315	2	34/02
57484	19	15,23,24,27/03	62360	5	38/02;12/03	63111	9	48/02;9/03	71320	1	35/02;5,14,33,38/03
57488	6	24/03	62361	2	N38/02;N12/03	63120	2	44,48,52/02;8/03	71325	8	5/03
61000	20	10,15,23,27,31/03	62366	4	33/03*	63121	5	48/02;5,8/03	71330	13	35/02;5,33,38/03
61020	2	27/03	62391	5	33/03*	63200	5	52/02;30/03	71331	11	5,7,8,33,38/03
61036	8	7/03	62393	7	34,37,50/02	63201	9	40/02;30/03	71333	2	6,7,33/03
61040	6	10,31/03	62394	10	34,37,50/02	63205	2	30/03	71335	2	8,38/03
61050	4	10,15,31/03	62395	3	25/03*	63210	3	45,52/02;16,30/03	71340	11	40,46/02;2,4,5,6,7,33/03
61051	7	15,24/03	62400	17	33/02;4,9,31/03	63220	5	45,52/02	71343	3	7/03
61060	5	12,27,39/03	62401	9	6,10,41/03	63230	6	45/02	71348	3	35/02;7,23/03
61061	9	10,12,15,24/03	62402	10	10/03*	63231	8	45/02	71349	2	23/03
61070	4	9,39/03	62403	3	6/03	63232	3	45/02	71350	8	5,6,7,14/03
61071	9	18,39/03	62405	8	43/03	63240	4	19/03	71400	5	14,23/03
61080	4	9/03	62406	2	33/02;28/03	63250	6	40/02;11/03	71401	1	40,46,51/02;5/03
61090	5	12,27/03	62408	7	10/03	63252	1	33/03	71402	1	40,46/02;4,5,6,33/03
61091	5	12,18,24,27,35/03	62409	6	7/03	63271	8	52/02;8/03	71410	1	39/02;12,23/03
61092	13	18,27,35,39/03	62411	1	52/02	63290	7	38/02;10,22/03	71420	1	38,39/02;3,12,14,23/03
61100	4	10,12/03	62413	12	28/03*	63291	9	33/02;16/03	71430	3	11*,20,23/03
61110	3	25/03	62417	1	52/02	63310	5	11/03	71440	2	11*,23/03
61111	12	25,27,34/03	62419	6	33/02;8/03	63320	8	37/03	71445	1	7/03
61112	10	35/03	62420	5	33,37,39/02;8/03	63321	6	42/02;9,37/03	71450	1	7/03
61141	6	38/02;35/03	62429	9	39,43/02	63322	2	9/03	71455	2	11*,23/03
61142	6	38/02;7,35,39/03	62431	8	37/02	63330	9	39/02;4/03	71460	1	41/02;23/03
61180	4	38/03	62432	16	13*,30/03	63337	15	39/02;4/03	71470	2	38/02;14/03
61190	4	39,41/02	62433	12	34,45/02;1/03	63370	1	20/03	72000	8	35,47,50/02;2,20,21,23,24,27/03
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	72007	10	36,38,47,51/02;2,5,7,11,27/03
61300	2	7/03				63410	6	39/02;8,9/03	72014	10	46/02;7,19/03
61310	2	33/02;7/03	62437	10	30*,32,35,37/03	63413	5	39/02	72021	8	36,38,47,50,51/02;7,20,23,27/03
61311	5	33/02	62439	4	1/03	63417	2	39/02	72028	7	34/02;22/03
61312	3	33/02	62440	8	16*,41/03	63420	2	39,45/02;8/03	72035	8	8,21,27/03
61331	4	7/03	62441	10	36/02	63424	2	45/02	72045	2	8,27/03
61400	2	7/03	62442	6	24/03	71005	1	34/02;2,6,12,13,16,23/03	72050	4	23/03
61410	2	7/03	62446	3	43/03	71006	5	39/02;23/03	72060	8	50/02
61430	2	7/03	62453	4	16/03*	71009	3	39,46,48/02;1,6,7/03	72070	4	2,9/03
61433	1	7/03	62455	7	39,43/02	71012	3	33,39,46/02;1/03	72075	2	9/03
61434	2	7/03	62457	6	11/03*	71015	4	23/03	72080	7	51/02;2,9/03
61541	8	41/03	62459	2	6,41/03	71018	10	33,35,37/02;7,12,13,15,21,25,26,27/03	72085	3	15/03*
61542	6	41/03	62460	4	33/02;10/03	71027	9	34,38,45,49/02;2,4,5,14,18,23,33/03	72092	2	38/02;7/03
61560	2	7/03	62464	2	49,50/02;4/03				72100	7	7,19/03
61562	2	6/03	62480	2	16*,18,32,41/03	71033	31	37,38,49/02;3,12,14,15,23/03	72103	2	4,6,7,19/03
61581	5	28/03	62490	2	16*,17,18,21,32/03				72105	2	36,38/02;7,11,19/03
61582	4	28/03	62498	4	4,9,31/03	71036	8	35,44/02;12,14,23,26/03	72107	2	7,19/03
61591	4	28/03	62499	4	49,50/02;4,9,31/03	71040	5	34,42/02;7/03	72109	3	42,44/02
61610	7	34/03	62510	3	11*,12/03	71042	1	34/02	72130	4	46/02
61611	11	34/03	62512	3	N11*,N12/03	71045	2	23/03	72131	3	11/03
61612	4	34/03	62515	2	45/02	71058	2	36/02	72161	10	10/03
61650	3	12/03	62520	6	20*,28,32,41/03	71059	1	36/02	72181	2	36/02;7,11/03
62000	20	46/02	62521	4	N20*,N28,N32,N41/03	71061	15	36/02	72190	2	10/03
62001	5	11*,28/03	62530	6	20*,28,32/03	71066	1	39/02;6,7,10,24/03	72201	8/03	
62024	13	38,40/02;29/03	62531	4	N20*,N28,N32/03	71081	3	21/03			
62028	15	10/03	62540	6	34,40,45,48,50,52/02;8,12,17,18,21,30,35,43/03	71091	4	1,2/03			
62032	16	11*,17,21,41/03									
62033	3	N11*,N17,N21,N41/03									
62046	3	19/03*									
62050	6	44/02									

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 45/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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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.
72211	6	43/02;5,8/03	74231	7	35/02;3,21,36/03	75130	16	34,41,50,51/02;5,7,8,16,19,25,26,37/03	82015	13	39/03
72223	8	27/03	74232	9	5,7,21/03	75131	7	17,39/03	82020	7	39/03
72231	8	21/03	74234	1	8,17/03	75132	11	17,19,25,29,32,35/03	82192	6	43/03
72234	2	18,19/03	74240	8	34,39,42/02;4,5,7,8,9,41/03	75134	3	33,51/02;5,19,29,37,45/03	82200	2	17,41/03
72236	1	9,12/03	74251	8	34,37,42,44,46,51/02;6,9,17,21/03	75142	5	36,42,50/02;35/03	82210	2	42,48/02
73000	9	40,52/02;10,20,21/03	74252	9	47/02;5,7,9/03	75143	4	33,36,38,42,50/02	82215	2	41/03
73002	4	5,11/03	74253	6	47/02;8,9,16,20,21,30/03	75144	3	33,36,42,51/02;4,10,18,25,30,38/03	82242	1	35,48,50/02
73004	4	10/03	74261	2	38,41,43,47,49/02;7,9,16,21,30/03	75150	5	50/02;16,19,26/03	82244	5	35,42,48/02;20,39/03
73008	8	11,13,23/03	74270	3	38/02;7,38/03	75160	6	17,18,19,25,32/03	82253	7	35,48,50/02;20,39/03
73012	6	11/03*	74271	9	38,46/02;19,26,27,29,30,38/03	75170	12	38,39/02;8,25,38/03	82280		N39/03
73014	10	48,52/02	74272	7	4,19,29,30/03	75171	22	33,36,38,40,42,48,52/02;1,6,16,26,35,38,40,44/03	82646	2	33/02
73016	4	44/02	74273	5	38,41,43/02;7,19,27/03	75172	5	39/02	82649	5	33/02
73020	9	9,21,22/03	74281	7	3,30/03	75173	9	33,36/02;1,6,20,26,35,38,40/03	82683	4	33/02;17/03
73024	3	39/02	74283	2	46,49/02;27/03	75175	9	33,38,40,45,50/02;6,18/03	82684	3	33,38/02;7/03
73030	4	22/03	74285	2	34,35,45/02;1,9,16,38/03	75176	9	42,50/02;25,26,32,40,44/03	82689	3	38/02;17/03
73032	4	9,22/03	74286	2	29,35/03	75177	7	38,48,50,52/02;6,26,38/03	82694	6	38/02;17/03
73041	2	5/03	74287	2	34,38,52/02;9/03	75180	2	8,25,38/03	82697	6	38,46/02
73191	3	7/03	74289	5	9/03	75185	2	47/02;8,36/03	83010	6	6/03
73271	7	13/03	74290	11	34,39,45,46,48,49,51/02;1,7,9,10,16,27,30,38/03	75190	2	47/02;25,36/03	83021	8	24/03
73552	4	34,45/02;1,7,9,10,38/03	74292	8	34,38/02;9,27/03	75191	6	37,38,43,47/02;8,19,30,34,36,38/03	83021	1	43/02
73570	7	34,45/02;1,10/03	74293	7	34,45,48/02;9,16/03	75193	6	49/02;1,5,7,10,16,19,35/03	83023	4	43/02
73580	4	52/02;43/03	74294	3	34,45/02	75202	2	36,52/02;33,38/03	83025	1	12,45/03
73581	4	52/02;3,43/03	74295	3	4,9,27,29,35/03	75208	2	50/02;30,33/03	83026	32	41/02;6/03
73590	6	47,52/02;36,43/03	74296	4	34,38,49/02;9,27/03	75212	2	36,52/02;33,38/03	83039	11	41/02;6/03
73601	3	34,35,47/02;43/03	74320	3	35/02;8,18,41,43/03	75215	2	36,39,40,52/02;7,33,38/03	83251	2	2,12/03
73631	4	36,46/02;1,17,40/03	74340	3	16/03	75220	12	36,39,49/02;4,20,26,39/03	83252	8	2,12/03
73640	5	36/02;16,40/03	74350	4	16,44/03	75222	8	35,40/02	83253	2	12/03
73650	5	40/03	74376	5	43/02;9,16,44/03	75240	4	36,39/02;2,4,27,39/03	83397	6	1/03
73653	1	40/03	74380	4	8,9,26/03	75241	6	34,36/02;26,35/03	83425	6	35/02
74000	6	36,47/02;2,7,18,41/03	74391	3	26/03	75261	6	33,36,48/02;3,6,26,31,38/03	83473	7	37/03
74002	2	35,47/02;31/03	74392	7	39/02;25/03	75264	17	33,34,37,41,42,44,45/02;2,27,32/03	83484	10	23,42/03
74003	5	47/02;7,10,31,34/03	74393	9	38,41,50/02;3,39/03	75265	2	6,20,31,32,38,40/03	83574	2	7/03
74004	2	35,37,39,47/02;9,30/03	74394	2	41,49,50/02;3,39/03	76015	1	35,40/02;28,45/03	83580	2	8,45/03
74005	2	34,35,46,47,51/02;4,7,9,16,27,30,38/03	74410	3	38/02;7/03	76030	9	49/02	83590	1	45/03
74007	1	36/02	74415	1	39/02	76050	8	49/02;18,28/03	91005	6	45/02;19,42/03
74008	6	51/02	74420	3	45/02;19,27,30/03	76052	8	4,5,28/03	91008	1	44,48/02;8,10,12/03
74009	10	38,49/02;8,9,21,36,44/03	74430	2	49/02	76054	5	49/02	91010	6	48/02;10,12/03
74012	10	37,40,49/02;6,8,19,20,27,36,37/03	74440	3	39/02;2/03	76056	3	9,37/03	91020	5	19/03
74015	10	40/02;21,31,36/03	74450	3	49/02;2,37/03	76060	7	40/02	91030	3	42/03
74016	3	27,42/03	74455	3	48/02;1,4,38/03	76070	3	40/02;9/03	91170	2	38,41,44/02
74017	4	37,45/02;18,31,38/03	74460	4	37,40,46,49/02;6,20,37/03	76071	9	35/02;28/03	91280	7	19,43/03
74018	6	44/02	74465	2	9,36,38/03	76080	8	1,18/03	91289	19	43/03
74020	4	33,37,38,43/02;5,18,31,38/03	74470	2	8/03	76081	7	28,37/03	91294	8	19/03
74021	7	33,35,39,44/02;7,10,26,31,35/03	74475	2	44/02;42/03	76083	3	1,37/03	91297	9	19/03
74024	7	44/02;36/03	74480	2	44/02	76120	6	45/03	91331	3	42/03
74027	9	43,44/02;39/03	74485	3	43/02	76141	7	46/02	91340	3	42/03
74030	6	51/02;42/03	74493	3	38,43,45/02	76142	8	46/02;28,37,45/03	92006	5	45,46/02;5/03
74051	2	42/03	74494	2	41/02;8,9,16/03	76144	1	28/03	92023	3	42/03
74053	2	51/02	74510	2	33,35,37/02;5,10,17,18,35,38/03	76146	1	28,45/03	92030	4	42/03
74151	9	36,44/02;2,20,29,40,41/03	74515	4	33,35,39/02;4,7,10,31,35/03	76147	1	28/03	92033	5	45/02
74152	11	36,44/02;27,30,34/03	74517	3	39,41/02;4,31/03	76150	6	35/02	92150	3	43/03
74153	2	36,44/02;2,27,41/03	74521	3	41/02	76160	4	28/03	92160	3	43/03
74162	4	36,46,47/02;8/03	74530	2	44/02;36/03	76161	10	40/02	92170	3	43/03
74171	4	33,36,47/02;3,10,18,20,40/03	74535	3	40/02;18,32/03	76162	1	18,28/03	92290	2	19/03
74172	5	36,47/02;7,10,18,40/03	74545	3	40/02;18,32/03	76170	7	28/03	92296	3	19/03
74181	8	33,35,37,38,39,47/02;10,34/03	74550	4	5,32/03	76180	1	28/03	92410	3	42/03
74182	12	33,35,37,38,39,41,42,44,51/02;6,10,17,25,34,38,39,40,41,42/03	74555	3	34,43,44,48,51/02;5/03	81004	3	37*,43/03	92450	3	42/03
74183	11	38,39,42/02;4,6,17,25,38/03	74560	10	40,43,46,48,50/02;4,5,18,31,32/03	81048	8	28,43/03	92560	4	45/02
74184	10	33,35,37,38,46,48/02;17,34/03	74561	2	5/03	81054	13	14*,27,28/03	93006	2	39,45/02;4,8,10,43,44/03
74186	7	34/02;4,10,17,21,27,30,36/03	74581	9	34,36,40,41,43,45/02;27,31,39/03	81060	2	43/03	93010	6	38,40,41/02;2,13,14,18,24/03
74190	7	35,36,37,46/02;1,16,31,34,39/03	74582	9	40/02;17,20,27,31,39/03	81067	5	51/02;10,12,16,25/03	93025	5	45/02;45/03
74191	2	35,46,48/02;1,7,9,29/03	74583	15	34,40,43,44,48/02;38/03	81076	10	41*,44/03	93030	6	45/02
74192	3	35,46/02;1,40/03	74584	5	34,41,43,45/02;26,27,36,38,39/03	81092	3	38*,50/02;32/03	93032	3	45/02;24/03
74200	8	37,46/02;1,8,32,40/03	74590	2	51/02	81711	6	31/03	93043	1	45/02
74201	9	32/03	74591	7	40/02;8,38/03	81715	4	31/03	93046	1	45/02;5/03
74202	3	1,7,27/03	74595	2	42/03	82005	5	17/03	93047	2	45,49/02;24/03
74204	5	37/02;1,7,8,32,40/03	75000	6	47/02;6,31/03	82010	6	17,39/03	93048	1	35,49/02;5,14,33/03
74205	2	27,32,35/03	75001	3	47/02;5,6,31,32/03				93049	1	45/02;4/03
74206	2	34/02;27,32,35/03	75010	7	41,42,50/02				93061	4	45/02
74210	7	7,17,37/03	75025	9	36,39/02;2,4,8,25,27,36,38,39/03				93101	2	N34,N38/02;N2/03
74220	8	35,47,51/02;30,37/03	75035	18	36,39/02;2,6,26,27/03				93110	2	38,40,41/02;1,2/03
74221	2	35,51/02;30,38/03	75051	6	5/03				93115	2	40,41/02
74229	2	33,37,43,47/02;18,26/03	75110	2	50/02				93117	2	40,41/02
74230	7	39,42/02;5,7,36/03	75120	2	42/02				93160	4	34/02;1,14,24/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 45/03

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.
93360	5	38/02	94363	4	43/02:16,18,29/03	95164	4	43,48/02:1,6,9,27/03	97021	7	40/03
93520	13	45/02:15/03	94380	4	N5,N6,N18/03	95167	10	44/02:1,6,9,11,14,17,21/03	97029	3	40/03
93610	3	44,45/02:6/03	94384	3	5/03				97040	5	43,47/02
93650	2	44/02:6,24,28/03	94420	3	39/02:4,8,11,13,14,23,42,44/03	95169	2	44,50,52/02:11,16,23/03	97041	9	45,47/02:10,12,22/03
93652	2	3,6,24/03				95171	1	1,6,9,21,37/03	97042	7	14,20/03
93680	3	45,47/02:24/03	94421	10	45/02:4/03	95172	1	1,9,21,32/03	97043	2	14,20/03
93690	2	44/02:6,45/03	94423	12	45/02:11/03	95173	1	50,52/02:1,28/03	97060	8	46/02:12,14,22,26/03
93698	3	45/02:28/03	94440	2	46/02:18/03	95174	1	50,52/02:12,27/03	97061	3	52/02
93710	3	6,15,43/03	95016	8	40/02	95176	2	8,11,30,35/03	97062	12	44/02:6,10,22,26,34,35/03
93720	10	39,45,50/02:8,15,17,20,24,28,42,43,44/03	95040	8	40/02:11/03	95177	1	41,50/02:9/03	97064	2	6,14,33,45/03
93721	5	39,42,45,50/02:4,11,17,20,23,25,40,41,43,44,45/03	95060	13	40,43,44,47,48,52/02:1,6,11,14,17,19,21,23,29,31,33/03	95180	11	40,42,44,49/02:1,6,9,10,21,23/03	97080	5	16,22,26/03
93725	6	45/02:24/03	95065	5	48/02:10,31/03	95185	2	40,44,49/02:10,35/03	97082	5	46/02:16,34/03
93726	4	48/02:8,12,17,45/03	95066	11	41,43,44,47,48,49,50/02:1,5,6,17,19,21,23,25,27,31,32,33,37/03	95200	6	23/03	97083	3	29,34,35/03
93730	3	39,40,42,45,47,50/02:2,4,17,24,28,31,41,42,43/03	95067	13	41,44,46/02:1,5,10,17,23,28,37/03	95250	4	44/02:1,6,16,20,22,36/03	97100	4	42,47/02:16,17,26/03
93733	13	39,45/02:4,19,20,25,40,41,44,45/03	95068	1	41,42,45,47/02:12,14,17,25,28,29,37/03	95255	2	44/02:1,7,13/03	97101	1	21,25,26/03
93734	11	45/02:4,19,20,25,40/03	95080	13	33,40,44,45,50,52/02:1,6,7,9,10,14,17,19,21,24,25,27,28,30,31,32/03	95258	3	6,16,18/03	97104	4	7,41/03
93736	22	41/02:4,20,25,40,41,45/03	95082	9	33,44,46/02:1,4,7,11,17,25,27,28,30/03	95261	7	48/02:1,5,9,16,23,28,36/03	97105	3	41/03
93778	8	47/02:7/03	95083	8	33/02:1,4,19,28/03	95262	13	41,46/02:1,6,9,27,36/03	97108	3	21,25,26/03
94004	6	33,37,44,52/02:8,9,10,12,17,18,42/03	95084	7	50,52/02:8,12,17/03	95264	8	48/02:25/03	97120	6	37,40,42,43/02:9,14,16,17,25,40,44,45/03
94016	2	33,35,52/02:3,9,10,14,17,21,33/03	95085	4	45,52/02:1,6,11,12,27,33/03	95267	5	13,20,23,26,36/03	97140	17	33,37,39,43,45/02:7,9,14,16,25,40,44,45/03
94028	7	40,42,52/02:1,6,7,8,9,11,14,17,21,24,27,31,33,40/03	95086	5	45,52/02:1,6,8,11,12,23,27,31,33/03	95268	16	39,48/02:6,9,13/03	97141	5	40,46/02:8,13,20/03
94033	5	19,21,23,29,42,44/03	95087	3	33,40,48/02:1,8,30,31/03	95270	4	48/02:9,10,13,20,21,22,23,26,36/03	97143	11	43,45/02:9,13,20,25,26,44/03
94040	13	37,47,51/02:6,8,10,17,18,28,31,43/03	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	95271	4	44,48/02:9,10,12,13,20,26,36/03	97144	14	44*46/02:7,8,9,13,20,39,44/03
94042	9	47,51/02:7,18,24,43,45/03	95101	8	39,44,50/02:1,5,6,9,14,17,28,31/03	95273	2	48/02	97145	1	43/02:8,9,25,40,45/03
94060	10	33,37,46,47/02:7,8,10,12,14,15,18,24,31,42/03	95102	8	38,42,45,46,47,48,50,52/02:1,4,5,8,13,14,17,23,25,27/03	95274	3	48/02:23,28,36,43/03	97146	10	44/02*:15,39/03
94061	5	33,35,47/02:23,41,42/03	95103	8	42,43,45,47,52/02:4,6,7,10,12,19,27,28,31/03	95280	9	48/02:8,20,26/03	97148	9	45/02:9,27/03
94063	4	33,41/02:8,18/03	95120	7	42,43,52/02:1,4,14,21,26/03	95281	15	7,10,14,36,45/03	97149	20	34,35,44,45/02:1,16,25/03
94067	10	33/02:10,11/03	95138	8	45,46,48,49,50,52/02:8,16,17,19,23,24,25,27,28,30,35,36/03	95282	7	46,52/02:4,6,9,19,20,22,23/03	97150	13	34,39,43,44/02:20,27,42/03
94080	7	33,44,48/02:10,19,22,32/03	95140	15	38,40,41,44,48,49,52/02:1,7,8,9,10,17,21,24,25,27,28,35,37/03	95285	3	18,20/03	97151	16	35,44,45/02:12,13,14,16,20,25/03
94082	8	44/02:8,19,22/03	95141	8	45,47,50,52/02:1,6,7,8,17,19,21,23,25,29,37/03	95300	5	45,48,52/02:44/03	97152	8	37/02:20/03
94083	12	44/02	95142	9	50,52/02:8,10,19,23,29/03	95320	15	35,38/02:20,21,26,33,40/03	97153	7	16,20/03
94120	6	33,38,48,52/02:9,10,17,18,21/03	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	95341	8	42,47/02:1,10,40,44/03	97154	2	36/02
94122	7	40/02:35/03	95144	9	38,41,46,48,50,52/02:1,6,8,9,10,11,13,16,21,23,24,35,37/03	95342	16	9,13,16,20/03	97155	14	35,36,37,39,40,48/02:12,13,18,20,28/03
94123	9	33,38,42,44,52/02:9,10,15,17,18,28/03	95146	14	36,38,39,40,41,44,46,47,48,50,52/02:1,8,9,16,21,23,24,31,32,35,37/03	96004	14	44,45/02	97156	6	37/02:1,14/03
94124	13	38,42,44/02:10,15,17,25,28/03	95147	13	39,41,44,45,46,47,48,49/02:1,5,9,19,23,25,28,29,31,32,35,36/03	96004	11	20,38/03	97157	2	40/03*
94127	2	33,38/02:6,9,13,16,18/03	95149	9	34,36,37,38,41,43,48,49,52/02:8,9,19,24,25,27,30,32,35/03	96120	6	21/03	97158	4	25/03
94160	7	33,38,44,46,47,50,51,52/02:9,10,12,16,17,18,19,28,31,41,42/03	95151	17	34,36,37,38,40,47,50/02:1,5,19,23,28,29,30,37/03	96120	4	45/03	97159	6	33,39/02:7,14,16,44/03
94164	2	46,50,51/02:12,16,19,41,42,43/03	95152	5	37,38/02:6,9,19,28,30,31,32,35/03	96382	2	10,12,21/03	97163	14	14,36/03
94165	4	50/02:18,24,43/03	95153	2	34,36,37,38,43/02:19,25,32/03	96400	4	12/03	97164	1	7,14,16/03
94180	9	42,44,47,50,51/02:23,28,44/03	95160	13	41,42,47,52/02:1,6,8,9,11,17,19,21,24,25,27,33,36,40/03	96411	1	41/02:10/03	97165	1	7,16/03
94184	2	N51/02	95161	16	40,45,48,50/02:1,5,6,8,9,10,17,19,23,25,27,30,37/03	96480	3	41/02	97166	1	33/02:21/03
94187	3	14,23,36,45/03	95162	2	40,44,47/02:10,14,19,30,35/03	96500	6	41/02:10,39/03	97167	2	33/02:21/03
94188	2	44,46,47,51/02:8,28/03	95163	2	1,6,9,10,13,14,17,21/03	96520	7	10/03	97180	6	34,39,43,45,46,48/02:4,8,13,20,22,26,44/03
94201	1	51/02:24,28/03				96521	3	21/03	97181	20	34,46,48/02:1,4,7,8,12,13,14,17,18,20,22,23,26,27,35,44/03
94203	10	41,42,44,46,47,52/02:10,11,24,41,42/03				96540	5	10/03	97182	13	34,39,46,48/02:1,4,5,6,7,8,12,14,17,18,20,21,22,23,27,35/03
94206	3	41,42,44,47,52/02:11,19,44/03				96560	5	10/03	97183	9	44/02:5,9,14,16,18,22,26,43,44/03
94207	5	N42,N44,N47,N52/02:N11,N19/03				96580	3	10/03	97184	15	47/02:1,7,12,14,18,22,39,44/03
94208	6	N44/02				96620	3	38/03	97185	2	43/02:1,7/03
94216	6	45/02:10,17,42,44/03				96621	5	10,38/03	97187	3	44,48/02:9,18/03
94217	4	6/03				96660	4	36/03	97188	2	1,7,13,17,20,22,27,35/03
94218	3	36/02:6,18/03				96760	4	35,45/02	97189	2	44/02:9,14,18,22,39,43/03
94219	1	47/02				96762	3	17/03	97190	2	34,39,52/02:8,13/03
94220	4	41,42,47,49/02:8,10,11,17,18,33,42,44/03				96763	7	43,48/02:9,17,32,45/03	97200	9	52/02:8,16,17,22,25,26,29/03
94260	5	49/02:1,6,11,31/03				96764	3	34/03*	97201	7	18,28/03
94280	5	51/02:15,32/03				96800	4	41/02	97202	15	43,44,52/02:20,25/03
94281	6	6,42/03				96901	3	7/03	97204	9	45,52/02:4,6,10,19,20,25,33,43,45/03
94282	9	46/02:8/03				96902	2	45/02	97205	3	18,28/03
94283	7	46/02:2,8,12,32/03				96903	3	34/03*	97206	2	23/03
94290	2	1,7,31/03				96904	2	45/02	97218	3	41/02:6,33/03
94322	14	8/03				96943	15	44/02:1,9,10,12,20,22,23,33,42/03	97219	4	6,9,13,20,23,25/03
94360	6	43/02:6,13/03				96944	6	45,52/02:6,13,20/03	97220	3	37,39,42,43,44/02:6,8,9,17,18,23,29,33/03
94361	13	13,15/03				96945	3	43,52/02:20,22,23,42/03	97221	20	37,39,42,44,45,49,52/02:6,8,9,10,13,17,18,19,20,22,23,25,26,29,33/03
						96947	15	6,12,13/03	97222	12	47/02:10,22,29/03
						96948	8	21,22/03	97223	3	42,44,48/02:16,17,22,23/03
						96949	21	45/02:22/03			
						96960	3	7/03			
						96962	4	35/02:1,9,22,33/03			
						97000	3	17,40/03			

SECTION I

NM 45/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 45/03

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.
97224	6	46,47,49/02;45/03	97420	17	34,39,42,47,52/02;1,8,10,33,38,40,45/03
97225	31	37,39,42,44,45/02;6,8,9,10,17,18,19,23,25,33,45/03	97421	13	35,36/02;1,10,13,20,26,36/03
97226	7	18,41/03	97423	2	35,36/02;1,13,20,26,36/03
97227	11	42,43/02;9,18,30,34/03	97425	6	34,39,47,52/02;1,6,8,10,45/03
97228	15	39,40,42,43/02;5,6,9,15,17,18,20,21,22,27,29,35/03	97440	8	52/02;1,16,19,27,43/03
97229	12	36,39,47/02;6,8,9,18,28,33/03	97441	5	46/02
97230	18	36,52/02;6,9,28,33/03	97443	6	15,19,25/03
97231	11	41/02;6,23,33/03	97460	7	40/02;5,19,21/03
97232	8	22,25,33/03	97461	9	5,8,19,21,22,23,26/03
97233	11	33,43,44,49/02;1,5,6,9,15,16,23,33,35/03	97465	9	1,6,8,19,20,22,33,37/03
97234	17	43,47,49/02;1,6,8,9,16,41/03	97466	2	46/02;1,23,27/03
97236	20	47/02;9,16,23,35,41/03	97469	10	1,6,8,19,20,22,33,37/03
97237	6	41/03	97471	5	N22,N33/03
97239	10	33/02;1,5,9,16,23/03	97472	8	34/02;33/03
97241	6	10/03	97474	7	22/03
97243	8	33,48/02;1,5,6,21,27,33/03	97480	7	35,52/02;3,9,10,17,18,21/03
97244	5	9/03	97481	6	47,49/02;9,18,20/03
97245	11	36/02;1,5,9,29/03	97483	7	48,52/02;20/03
97246	7	43,52/02;5/03	97521	6	42/02;16,18,20/03
97251	4	6,10,17,36/03	97564	3	16/03
97261	15	41/02;1,5,7,18,21,26,44/03	800744	1	N49/02;N5,N12,N13,N16,N36/03
97262	10	34/02;1,5,6,7,15,21,26,33/03	801217	1	N6,N8,N19,N20,N22,N33,N37/03
97263	10	5,7,9,15,18,21/03	801885	3	N34/03
97266	5	37,41/02;1,5,6,7,14,15,18,26,42/03	801902	9	N25,N31/03
97267	16	40,41/02;1,5,6,8,10,13,18,26,27,42/03	801953	1	N39/03
97268	10	6/03	802202	8	N35/02;N1,N7/03
97269	11	45/02;8,13,18,27/03	804059	2	N43/03
97270	6	36,44/02;1,5/03	804567	4	N31/03
97271	12	37,39/02;6,10,12,26,35,41,44/03	805118	3	N12,N36/03
97272	11	52/02;6,10,12,14,23,37/03	805647	2	N37,N51/02;N30/03
97273	11	34/03*	806927	8	N25,N30,N39/03
97274	19	34,39,45/02;6,9,15,17,18,23,37/03	807370	5	N17,N25,N30,N31,N39/03
97276	1	40/02;9/03	807861	2	N22/03
97277	11	1,5,6,8,9,14,35,39/03	808365	2	N14/03
97278	11	39/02;1,20,35,39/03	809055	7	N16/03
97279	9	9,27/03	809310	9	N39/02
97280	4	52/02	809679	2	N50/02;N12,N27/03
97281	2	41/02			
97283	3	45/02;9/03			
97285	6	34,42/02;7,13,17,36/03			
97286	6	34,35,36,41,42/02;6,8,10,13,17,35,36,38/03			
97287	5	34/02;20/03			
97300	6	1,13,25,26/03			
97303	3	47,48/02;45/03			
97320	6	33/02;14,25/03			
97340	8	33,38,52/02;16,17,18,22,36/03			
97341	9	34/02;16,21/03			
97342	14	38/02;17,18,22,27,43/03			
97343	12	38/02;17,25/03			
97360	6	38/02;5,7,13,18,27,43,45/03			
97380	7	39,47,52/02;1,2,8,16,23,38,40,45/03			
97381	7	7,13,27,43,45/03			
97382	2	41,45/02;4,42/03			
97383	16	5,7,13,42/03			
97384	4	47/02;19/03			
97385	10	52/02;5,6,7,9/03			
97387	2	4,5,7,42/03			
97389	2	45/03*			
97390	5	39,40/02;2,5,12,16,36/03			
97391	26	6,7,12,16/03			
97392	5	1,21,23,26,33,38/03			
97396	14	36,39,40/02;2,16,17,23,33,38/03			
97397	7	39,49/02;16,26,44/03			
97398	4	43/03*			
97400	4	34*,44/03			
97410	8	17,19,45/03			
97412	7	40/02			

SECTION II

NM 45/03

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							
13XHA13275 (7642014010464)	Salem and Lynn Harbors	25,000	<u>28</u>	<u>9/03</u>	NOS	1-95	45/03
	Inset: Manchester Harbor (Inset not shown on index)	10,000					
14XCO14905 (7642014010593)	Waukegan to South Haven (LORAN-C)	120,000	<u>30</u>	<u>8/03</u>	NOS	1-96	45/03
	Insets: Michigan City, Indiana Burns International Harbor, Indiana New Buffalo, Michigan (Insets not shown on index)	15,000 15,000 15,000					
REGION 9							
97BHA97389 (7642014012965)	Approaches to Misumi Ko	15,000	<u>2</u>	<u>8/03</u>	A	9-44	45/03
	Plan: Misumi Ko (Plan not shown on index)	7,500					
MISCELLANEOUS CHARTS AND PUBLICATIONS							
DNCDX013 (7644014414461)	North America West		<u>15</u>	<u>7/03</u>	DS	10-43	45/03
DNCDX026 (7644014421035)	British Columbia		<u>14</u>	<u>8/03</u>	DS	10-43	45/03

Price Categories effective 1 October 2002

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

CHS Canadian Hydrographic Service
DS Distribution Limited
GPO Government Printing Office
NOS National Ocean Service
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For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

SECTION II
NAVIGATION PUBLICATIONS

NM 45/03

SAILING DIRECTIONS CORRECTIONS

PUB 120 2 Ed 2001 LAST NM 44/03

Page 45—Line 1/L; insert after:

Transport Canada Marine Acts and Regulations

Further information on Marine Acts and Regulations issued by Transport Canada can be found at the website below.

Transport Canada Marine Acts and Regulations
<http://www.tc.gc.ca/acts-regulations/marine/menu.htm>

(PUBS 023-03) 45/03

Page 45—Line 13/L; read:

published by the Department of Fisheries and Oceans.

(PUBS 023-03) 45/03

Page 45—Line 20/L; read:

by the Department of Fisheries and Oceans.

(PUBS 023-03) 45/03

Page 46—Line 49/L; insert after:

- (i) within fourteen days of its estimated time of arrival in Canada been in a country that, in the opinion of a quarantine officer, is infected or suspected of being infected with smallpox, or
- (Can ATL 100) 45/03

Page 47—Line 37/L; insert after:

- e. Prince Rupert Harbor as far S as Charles Point.

(PUBS 023-03) 45/03

Page 75—Line 19/R; insert after:

Vessels should send their ETA at their first Costa Rican port as soon as possible after leaving its previous port and at least 72 hours in advance. Any changes of at least 1 hour in the ETA should be reported at least 24 hours in advance. The initial message should include the following information:

1. Vessel draft.
2. Cargo.
3. Cargo consignees.
4. Vessel requirements.

(BA NP 8) 45/03

PUB 148 7 Ed 2001 LAST NM 43/03

Page 18—Line 38/L; insert after:

Caution.— A lighted buoy (ODAS) is situated about 10 miles NNW of Punta Penas. Vessels should keep at least 200m away from this buoy.

(BA NP 7A, Supp. 8/03) 45/03

Page 87—Lines 52 to 54/R; read:

the 5.5m shoal depth lying about 1.3 miles W of Bluefield Rock. Areas of uncharted shoals lie SW of Isla Agua and

Peninsula Valiente as seen on the chart.

(US CH 28042) 45/03

PUB 172 9 Ed 2001 LAST NM 44/03

Page 24—Lines 44 to 45/R; read:

Pilotage.—Pilotage is compulsory and is available during daylight hours only. The pilot boards in the vicinity of Ras Shukheir Lightfloat. Berthing is accomplished during

(BA NP 286(3); US CH 62191) 45/03

Page 28—Line 43/R; read:

Pilotage.—Pilotage is compulsory; berthing and unberthing are normally carried out during daylight hours only. Pilots board about 1 mile SW of No. 1 Berth.

(BA NP 286(3)) 45/03

Page 43—Lines 30 to 32/R; read:

Pilotage.—Pilotage is compulsory. Vessels are not allowed to approach inside the port without a pilot. The pilot boards the vessel abeam of Morewood Lighted Beacon when on the entrance course of 310°.

(BA NP 286(3)) 45/03

Page 53—Lines 12 to 13/L; read:

Pilotage.—Pilotage is compulsory for all vessels as, once within the reefs,

(BA NP 286(3)) 45/03

Page 53—Lines 20 to 21/L; read:

whether signaled for or not.

Pilots can be reached on VHF channel 14 and vessels are advised to maintain a listening watch to enable them to receive any instructions from port control. The pilot office can also be contacted by e-mail, as follows:

pilots.portsudan@gnpoc.com

When the port is full, vessels may be directed to proceed,
(BA NP 286(3)) 45/03

Page 67—Lines 10 to 11/R; read:

and is available during daylight hours only. The pilot boards about 1 mile

(BA NP 286(3)) 45/03

Page 67—Line 16/R; read:

amending it 48 hours and 24 hours before arrival.

(BA NP 286(3)) 45/03

Page 80—Line 21/R; read:

2. Monitor passing vessels outside the traffic lane 15

(NIMA) 45/03

PUB 172 (Continued)

Page 83—Line 38/R; insert after:

Outbound vessels should send their ETD and request for pilotage 1 hour in advance to Aqabah Port Control on VHF channel 12 or 16.

(BA NP 286(3)) 45/03

Page 84—Lines 8 to 10/L; read:

Vessels should contact Aqabah Port Control on VHF channel 12 and maintain a listening watch on VHF channels 12 and 16 for instructions.

(BA NP 286(3)) 45/03

Page 89—Line 13/R; read:

Yanbu.—Pilotage for Yanbu, which is available 24 hours, is

(NIMA) 45/03

Page 89—Lines 29 to 31/R; read:

King Fahd.—Pilotage in the approach channels for King Fahd is compulsory, as follows:

1. Northern Approach Channel—All vessels 300 grt and over.

2. Southern Approach Channel—All vessels.

The vessel's ETA should be sent 5

(BA NP 286(3)) 45/03

Page 89—Line 47/R; insert after:

King Fahd.—Vessels calling at Saudi ARAMCO terminals are requested to send the following information:

1. Vessel's ETA at Yanbu, with any amendments.
2. Vessel's former name, if applicable; flag; and nrt.
3. Agent's name, quarantine information, and if any disease or illness on board.
4. Technical details.

All LNG vessels calling at Saudi ARAMCO terminals should provide the following additional information:

1. Vessel name.
2. Whether vessel is equipped with VHF.
3. Gross tonnage.
4. Further technical details, as required.

(BA NP 286(3)) 45/03

Page 127—Line 57/R; read:

Pilotage.—Pilotage is compulsory for vessels using Khalf Harbor. Pilotage is optional for vessels in the outer harbor and for the oil terminal. The pilot can be

(BA NP 286(3); BA NP 64) 45/03

Page 200—Line 32/R; read:

arrival. The ETA message should also be forwarded to the National Iranian Gas Company (NIGC).

(BA NP 286(3)) 45/03

Page 249—Line 44/L; insert after:

A submarine cable, best seen on the chart, extends seaward from a point about 8 miles N of North Pier. Anchoring and trawling are prohibited within 0.5 mile of this cable.

(US CH 62432; 41(4486)03 Taunton) 45/03

Page 252—Lines 2 to 20/L; read:

Pilotage.—Pilotage is compulsory. Vessels bound for Umm Qasr or Khawr al Zubair will board the pilot W of Mina Bakr Terminal (29°41'N., 48°49'E.).

Harbor pilots will board in the vicinity of Buoy No. 33, about 0.4 mile ESE of the S extremity of Jazirat Hijam (29°01'N., 47°58'E.).

It has been reported (2003) that pilots board in the vicinity of Buoy No. 22/Buoy No. 23 (29°59.1'N., 48°12.7'E.).

Regulations.—Vessels should send their ETA to Umm Qasr Port Control 48 hours, 24 hours, and 12 hours in advance, along with their berthing requirements. Vessels should also report, on both inbound and outbound transits, when passing Lighted Buoy No. 6 and Lighted Buoy No. 34.

Umm Qasr Port Control can be contacted on VHF channels 8, 12, and 16. The pilot can be contacted on VHF channel 12.

Anchorage.—Anchorage may be obtained in Khawr Umm Qasr, about 2 miles below the port.

Caution.—Caution is advised, as details on aids to navigation marking the channel are presently lacking. The local authorities and pilots should be contacted for the most current information.

A large wreck is reported (2003) to hinder access to Berth 9. Numerous wrecks are reported (2003) to hinder access to the berths in the new port. Unexploded ordnance is likely to exist in the wrecks and on the seabed surrounding the wrecks.

(PUBS 025-03; US NM 37/03, Section II) 45/03

Page 256—Line 39/R; insert after:

To minimize departure delays, the date and time of arrival, as well as the ETD should be sent to the Port and Quarantine Officer upon arrival.

(BA NP 286(3)) 45/03

Page 257—Lines 12 to 13/L; strike out.

(NIMA) 45/03

Page 257—Line 8/R; insert after:

17.5 Kharg Island Oil Terminal (29°14'N., 50°20'E.) (World Port Index No. 48465), the

(NIMA) 45/03

COAST PILOT CORRECTIONS

**COAST PILOT 2 32 Ed 2003 Change No. 25
LAST NM 43/03**

Page 157—Paragraph 57, line 10; read:
when exiting the system.

Northeastern reporting system

Geographical boundaries of the northeastern area include the waters of Cape Cod Bay, Massachusetts Bay, and the Great South Channel east and southeast of Massachusetts. The coordinates (NAD 83) of the area are as follows: from a point on Cape Ann, Massachusetts at

COAST PILOT 2 (Continued)

42°39'N., 70°37'W.; then northeast to 42°45'N., 70°13'W.; then southeast to 42°10'N., 68°31'W.; then south to 41°00'N., 68°31'W.; then west to 41°00'N., 69°17'W.; then northwest to 42°05'N., 70°02'W.; then west to 42°04'N., 70°10'W.; and then along the Massachusetts shoreline of Cape Cod Bay and Massachusetts Bay back to the point on Cape Ann at 42°39'N., 70°37'W.

Southeastern reporting system

Geographical boundaries of the southeastern area include coastal waters within about 25 nautical miles (45 kilometers) along a 90-nautical mile (170-kilometer) stretch of the Atlantic seaboard in Florida and Georgia. The area coordinates (NAD 83) extends from the shoreline east to longitude 80°51.6'W. with the southern and northern boundaries at latitude 30°00'N. and 31°27'N., respectively.

(CL 1566/03) 45/03

Page 159—Paragraph 111, line 1; read:

This buoy is located inside the traffic separation ... (11/03 CG1; LL/03; NOS 13200) 45/03

Page 179—Paragraph 61, lines 1 to 2; read:

Cross Rip Lighted Gong Buoy 21 (41°26'51"N., 70°17'30"W.), marks the ... (11/03 CG1) 45/03

Page 228—Paragraph 39, lines 7 to 8; read:

private light (41°27'11"N., 71°12'09"W.) is on the eastern side of the southern entrance and marks the western end of the foul ground west-southwest of Sakonnet Point. (33/03 CG1; LL/03) 45/03

Page 297—Paragraph 280, lines 3 to 8; read:

vertical lift span with a clearance of 13 feet down and 61 feet up. Just above this bridge is a fixed highway bridge with a clearance of 60 feet. The bridgetender of the Tomlinson ... (CL 1597/03) 45/03

Page 347—Paragraph 39, line 7; read:

light and the approach to the inlet is marked by a lighted whistle buoy. (18/03 CG1) 45/03

Page 354—Paragraph 126, lines 4 to 9; read:

Island to the western entrance of **Island Creek. Olivers Channel**, marked by private buoys and daybeacons, leads westward from near the north end of Racehorse Channel to **East Bay**. (17/03 CG1; LL/03; NOS 12352) 45/03

Page 396—Paragraph 131, lines 1 to 3; read:

Esopus Meadows Light, Mile 75.8, 52 feet above the water, is shown from a white brick lighthouse ... (22/03 CG1; LL/03) 45/03

COAST PILOT 7 35 Ed 2003 Change No. 15 LAST NM 44/03

Page 243—Paragraph 27, line 4; read:

limits and regulations.) A series of floating protection barriers, anchored by lighted buoys, surrounds the Naval facility within the security zone on the NE side of North Island.

(CL 1110/03; NOS 18773; 35/03 CG11) 45/03

Page 243—Paragraph 34, line 6; read:

165.1121, chapter 2, for limits and regulations.) A series of floating protection barriers, anchored by lighted buoys, surrounds the Naval facility within the security zone on the W side of the entrance to San Diego Bay, just N of Ballast Point.

(CL 1110/03; NOS 18773; 35/03 CG11) 45/03

Page 244—Paragraph 53, line 4; read:

pilotage, unless a pilot is actually employed.

Pilotage and berthing requirements for naval vessels are coordinated by Naval Base San Diego Port Operations, 619-556-1433.

(CL 1542/03) 45/03

Page 245—Paragraph 64, line 5; read:

regulations.) A series of floating protection barriers, anchored by lighted buoys, surrounds the Naval facility within the security zone.

(CL 1110/03; NOS 18773; 35/03 CG11) 45/03

Page 267—Paragraph 425, lines 2 to 7; read:

inshore is a large power plant with five large smokestacks approximately in-line and parallel with the beach. A private light is shown from atop the power plant.

(CL 1274/03) 45/03

Page 336—Paragraph 387, lines 2 to 3; read:

the E end of Coast Guard Island has a clearance of 11 feet. The three highway drawbridges ...

(CL 1131/03) 45/03

Page 405—Paragraph 232, lines 4 to 8; read:

approach to the bay and a lighted bell buoy and **085.5'** lighted range mark the entrance to the bay and the approach to the dredged channel to the basin, respectively; a fog signal is about 50 yards SW of the bridge. The navigator is cautioned ...

(LL/03; NOS 18561) 45/03

Page 407—Paragraph 266, lines 2 to 4; read:

jetties. The N jetty extends about 650 yards offshore. A lighted whistle buoy is 1.25 miles W of the seaward end of the N jetty. The ...

(CL 1222/03; NOS 18558) 45/03

Page 555—Paragraph 470, line 7; read:

center. A private fog signal marks each of the two piers. In April 2003, a fixed bridge was under construction just S of the existing bridge with a design clearance of 180 feet at the

COAST PILOT 7 (Continued)

center.
(CL 1137/03) 45/03

Page 607—Paragraph 658, lines 4 to 5; read:
point. Between Puu o Hulu and Kaneilio ...
(BP 159014; NOS 19361) 45/03

Page 607—Paragraph 660, lines 10 to 12; read:
In April 1996, the controlling depths were 9 feet in the entrance channel, thence 11 feet in the main access channel along the L-shaped breakwater, thence 12 feet in the turning basin. Berthing, water ...
(BP 159014; NOS 19361) 45/03

COAST PILOT 7 35 Ed 2003 Change No. 16

Page 375—Paragraph 158, line 3; read:
and is used by vessels drawing up to 38 feet. Humboldt ...
(CL 1136/03) 45/03

Page 377—Paragraph 173, line 5; read:
141.5' on the entrance range into the bay. The entrance ...
(LL/03) 45/03

Page 377—Paragraph 175; read:
Note.—The approach range should not normally be used beyond its intersection with the entrance range. The entrance range should not normally be used seaward of the outer ends of the jetties. Both ranges are lighted 24 hours a day.
(CL 1136/03; LL/03) 45/03

Page 377—Paragraph 177, lines 4 to 7; read:
still advised to use extreme caution on the bar and, because strong currents may be encountered, when approaching the abrupt turn at the outer end of the S jetty. The bar is smoothest during ...
(CL 1136/03) 45/03

Page 377—Paragraph 179, lines 1 to 3; read:
Channels
Federal project depths for Humboldt Bay are 48 feet over the bar and in the entrance channel, thence 38 feet in North Bay Channel to Eureka, thence 38 feet in ...
(CEM-San Francisco/02) 45/03

Page 378—Paragraph 187; read:
There are no authorized anchorages in Humboldt Bay.
(33 CFR 110; CL 1136/03) 45/03

Page 378—Paragraph 190, line 5; read:
2 knots, with a maximum of about 4 knots; during storm conditions, velocities can reach up to 5.5 knots. Current ...
(CL 1136/03) 45/03

Page 378—Paragraph 201, line 5; read:
time of year. Vessels with drafts over 30 feet, ...
(CL 1136/03) 45/03

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
Sandy Hook Channel							
35085	<i>Scotland Lighted Whistle Buoy S</i>	40 26 30 N 73 55 00 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	RACON: M (- -). HORN: 1 blast ev 30s (3s bl).
					*		45/03
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
130	<i>Five Fathom Bank Traffic Lane Lighted Buoy FB</i>	38 46 51 N 74 55 35 W	FI Y 6s		7	Yellow.	
					*		45/03
220	<i>Great Gull Bank Lighted Buoy 4</i>	38 16 22 N 75 00 20 W	FIR 4s		4	Red.	
					*		45/03
300	<i>Turners Lump Lighted Bell Buoy 2TL</i>	37 48 55 N 75 22 29 W	FIR 4s		4	Red.	
					*		45/03
361	<i>Chesapeake Bay Entrance Lighted Buoy 2</i>						<i>Remove from list.</i>
							* 45/03
501	<i>Rudee Inlet Entrance Lighted Buoy 1</i>	36 49 47 N 75 57 43 W	FIG 2.5s		4	Green.	
		*					45/03
503	<i>Rudee Inlet Entrance Lighted Buoy 2</i>	36 49 51 N 75 57 44 W	FIR 2.5s		4	Red.	
		*					45/03
19455	Saunders Point Warning Daybeacon 10 yards, 140° from wreck.	38 52 55 N 76 28 55 W				NW on pile.	
		*					45/03
*28667	- Buoy 8					Red nun.	
							45/03
28905	- Lighted Buoy 2						<i>Remove from list.</i>
							* 45/03
28910	- Buoy 3					Green can.	
							45/03
28915	- Buoy 4					Red nun.	
							45/03

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
28940	- Lighted Buoy 16		FI R 2.5s		3	Red.	45/03
31370	Powells Point Daybeacon 4P	36 06 33 N 75 52 25 W				TR on pile.	Ra ref. 45/03
		*					45/03
31520	- LIGHT 5	36 06 08 N 76 17 47 W	FI G 4s	15	4	SG on pile.	Light equipment removed when endangered by ice. 45/03
		*					45/03
31725	- CHANNEL LIGHT 15		FI G 4s	15	4	SG on pile.	45/03
						*	45/03
32490	GOVERNOR SCOTT FERRY WRECK LIGHT WR2 150 feet from southeast corner of wreck.	35 08 18 N 76 16 40 W	Q R	15	3	TR on multi-pile structure.	45/03
						*	45/03
32780	DEEP BAY LIGHT 1		FI G 4s	16	4	SG on slatted pile structure.	45/03
						*	45/03
32875	- LIGHT 5		FI G 4s	15	4	SG on pile.	45/03
						*	45/03
	Pungo River						
32895 38130	- LIGHT 3		FI G 4s	15	4	SG-TY on pile.	45/03
						*	45/03
32925	PUNGO CREEK LIGHT 3		FI G 4s	15	4	SG on multi-pile structure.	45/03
						*	45/03
37830	- SOUTH LIGHT S	36 01 05 N 75 57 37 W	FI W 4s	15	6	NB-I on multi-pile structure.	45/03
						*	45/03
38130 32895	- LIGHT 3		FI G 4s	15	4	SG-TY on pile.	45/03
						*	45/03

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
5685	ROMERLY MARSH LIGHT 19		FI G 4s	16	4	SG on pile.	45/03
				*			45/03

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 III LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22940	- Daybeacon 3WR Marks wreck.	27 48 02 N 82 30 11 W				SG on pile.	
		*					45/03
23695	- Lighted Buoy 7G		Q G		3	Green.	
	*						45/03
23790	- Lighted Buoy 2K		Q R		4	Red.	
	*						45/03
28405	- LIGHT 18		Q R	17	3	TR on pile.	
	*		*	*	*		45/03
35337	ANNS POINT PIER LIGHT						<i>Remove from list.</i>
							* 45/03
37030	- LIGHT 219	31 18 07 N 81 23 55 W	FI G 2.5s	17	3	SG-SY on pile.	
				*			45/03

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
770	Ship Shoal Obstruction Lights	28 54 52 N 91 04 16 W				Brown skeleton structure on piles. (Abandoned Lighthouse.)	Shows 2 Quick Flashing White Obstruction lights, flashing simultaneously, displayed at a height of 17 feet from perimeter of lower platform.
		*					45/03
3175	- RANGE A FRONT LIGHT	30 08 46 N 85 41 34 W	FI W 2.5s FI W 2.5s	25 27	4	KRW on skeleton tower on piles.	Lighted throughout 24 hours. Visible all around, higher intensity on range line.
			*	*	*		45/03
TIMBALIER AND TERREBONNE BAYS (Chart 11357)							
16990	LAKE FELICITY ENTRANCE LIGHT 1	29 16 22 N 90 28 31 W	FI G 4s	17	4	SG on dolphin.	Ra ref.
		*					45/03

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
*561	ST. GEORGE REEF LIGHT	41 50 14 N 124 22 32 W	FI W 12s	20			Private aid.
							45/03
3118	- Lighted Buoy 10	33 42 56 N 118 15 29 W	Q R			Red.	
	*						45/03

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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
Los Angeles Main Channel							
3145	- LIGHT 12	33 43 19 N 118 16 04 W	F I R 2.5s	20	4	TR on post.	HORN: 1 blast ev 15s (2s bl).
	*						45/03
9245	- SOUTH JETTY LIGHT 2A	43 39 58 N 124 13 07 W	F I R 2.5s	15	3	Red pile structure.	Due to weather conditions, the dayboards have been permanently removed from this aid. Ra ref.
					*		45/03
9451	- NORTH JETTY LIGHT 3	44 01 09 N 124 08 46 W	F I G 2.5s	15	3	Green pile structure.	Due to weather conditions, the dayboards have been permanently removed from this aid.
					*		45/03
9605	- SOUTH JETTY LIGHT 4	44 36 34 N 124 04 46 W	F I R 2.5s	20	3	Red pile structure.	Due to weather conditions, the dayboards have been permanently removed from this aid. HORN: 1 blast ev 15s (2s bl). Operates continuously. Light and fog signal maintained from May 20 to Oct. 1.
					*		45/03
12600	MESSNER MIDDLE RANGE REAR LIGHT 185 yards, 075.2° from front light.		I s o W 6s	47		KRB on skeleton tower. 17	Visible 5.5° each side of rangeline.
							* 45/03
12675	- LIGHT 56						<i>Remove from list.</i>
							* 45/03
13960	- LIGHT 10	46 34 43 N 117 20 10 W	F I R 2.5s	23	3	TR on platform.	
		*					45/03
14005	- LIGHT 18	46 25 28 N 117 12 52 W	F I R 4s	16	4	TR on skeleton tower.	
		*					45/03
14528	- Buoy 4	46 16 02 N 123 57 18 W				Red nun.	
		*					45/03
Meldrum Bar							
15077.1	- Daybeacon 1	45 22 40 N 122 37 02 W				SG on piling.	Private aid.
		*					45/03

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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
15077.2	- Daybeacon 2	45 22 42 N 122 37 03 W				TR on piling.	Private aid.
		*					45/03
15077.3	- Daybeacon 3	45 22 45 N 122 37 06 W				SG on piling.	Private aid.
		*					45/03
15077.4	- Daybeacon 4	45 22 47 N 122 37 08 W				TR on piling.	Private aid.
		*					45/03
15077.5	- Daybeacon 5						<i>Remove from list.</i>
							* 45/03
15077.6	- Daybeacon 6						<i>Remove from list.</i>
							* 45/03
16815	<i>Puget Sound Traffic Lane Separation Lighted Buoy SG</i>	47 39 41 N 122 27 52 W	FI Y 2.5s		5	Yellow.	RACON: N (- •).
			*		*		45/03
PUGET SOUND - Seattle to Olympia (Chart 18448)							
East Passage							
16920	<i>Puget Sound Traffic Lane Separation Lighted Buoy T</i>	47 34 33 N 122 27 04 W	FI Y 2.5s		5	Yellow.	
			*		*		* 45/03
Colvos Passage							
17100	POINT VASHON LIGHT	47 30 49 N 122 28 23 W	FI W 4s	17	7	NB on pile structure.	
		*					45/03
ISLAND OF GUAM (Marianas) (Chart 81048)							
Guam Island							
<i>The Marianas Islands have been converted to the IALA Maritime Buoyage System for Region A.</i>							
30660	RITIDIAN POINT LIGHT	13 39 01 N 144 51 43 E	FI W 6s	573	9	NB on pile. 20	Obscured from 291° to 053°.
		*					* 45/03

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Delete Heading:							
*WANGANUI RIVER:							
4744 <i>K 4070</i>	-Castlecliff.						<i>Remove from list.</i>
							* 45/03
*Add Heading:							
*WANGANUI RIVER:							
4746 <i>K 4074</i>	-S. mole.	39° 57.1' S 174° 59.0' E	FIG. period 1.5s fl. 0.4s, ec. 1.1s	33 10	5	STARBOARD (A) G, beacon; 15.	
							45/03
13654 <i>G 5341.6</i>	-Sidney breakwater.	48° 39.2' N 123° 23.5' W	F.I.R. period 4s fl. 0.5s, ec. 3.5s	21 6		White round tower, red band at top; 15.	
			*			*	45/03
13672 <i>G 5337.5</i>	-D'Arcy Island.	48° 33.9' N 123° 17.1' W	F.I.R. period 4s fl. 0.5s, ec. 3.5s	26 8	7	White round tower, red band at top.	
					*		45/03
13692 <i>G 5332</i>	Fiddle Reef.	48° 25.8' N 123° 17.0' W	Q.W.R.	23 7	7	White round tower.	R. 013°20'-062°, W.-170°30', R.-216°, W.-013°20'. Radar reflector.
					*		45/03
13700 <i>G 5328</i>	Trial Islands.	48° 23.7' N 123° 18.3' W	FIG. period 5s fl. 0.5s, ec. 4.5s	93 28	13	White round tower; 33.	
					*		45/03
13704 <i>G 5310</i>	-Brochie Ledge.	48° 24.4' N 123° 23.2' W	FIG. period 4s fl. 0.5s, ec. 3.5s	37 11	7	White round tower, green band at top; 18.	Radar reflector.
					*		45/03
13720 <i>G 5322</i>	-Pelly Island.	48° 25.5' N 123° 23.0' W	FIG. period 4s fl. 0.5s, ec. 3.5s	19 6		White round tower, green band at top; 21.	Radar reflector.
	-AVIATION LIGHT.		Q.W.				Aero. Occasional.
					*	*	45/03
13724 <i>G 5324</i>	-Laurel Point.	48° 25.5' N 123° 22.5' W	Q.R.	18 6		White round tower, red band at top.	Radar reflector.
					*		45/03
13728 <i>G 5325</i>	-Tuzo Rock.	48° 25.5' N 123° 22.3' W	Q.G.	19 6		White round tower, green band at top.	Radar reflector.
					*		45/03

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13732	Victoria Harbor Buoy "VH".	48° 22.5' N 123° 23.6' W	FL.Y. period 4s			Yellow buoy.	
	RACON		K(- • -)				* 45/03
13760	Race Rocks. G 5300	48° 17.9' N 123° 31.9' W	FL.W. period 10s fl. 0.3s, ec. 9.7s	118 36	18	Round tower, black and white bands; 80.	Horn: 3 bl. ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 48s). Horn points 155°.
			*		*	*	* 45/03
13808	San Juan Point. G 5290	48° 31.9' N 124° 27.4' W	FL.R. period 5s fl. 0.2s, ec. 4.8s	55 17	11	White round tower, red band at top on white rectangular building.	
					*		45/03
13816	Cape Flattery. G 4756	48° 23.5' N 124° 44.2' W	FL(2)W. period 20s	165 50	18	White conical tower on white sandstone dwelling; 57.	Obscured 271°-007°30'. Emergency light Iso.W. 6s. Horn: 2 bl. ev. 60s. (bl. 3s, si. 3s, bl. 3s, si. 51s).
			*		*	*	* 45/03
13821	-Bonilla Point Fisheries. G 5289	48° 35.7' N 124° 43.0' W	FL.W.R. period 4s fl. 0.5s, ec. 3.5s	56 17	8	Skeleton tripod tower, red triangular slatwork daymark.	FL.R. to E. of line between Bonilla Point and Tatoosh Island, FL.W. to W. of Fisheries light. Seasonal.
					*	*	* 45/03

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4890	Wado Ko. F 6463	35° 02.0' N 140° 00.8' E	FL.R. period 4s	42 13	7	Red concrete structure; 31.	
		*			*		45/03
12176	Chika Saki. F 5257.4	33° 31.1' N 129° 49.7' E	Iso.W. period 10s	85 26	13	White cylindrical concrete tower; 31.	
	*	*			*		45/03
16169.92	-Tokarevskogo. F 7479	43° 04.3' N 131° 50.6' E	L.FL.W.R. period 7.5s	39 12	12	White stone tower with lantern; 39.	W. 237°30'-125°30', R.-165°30'.
		*		*		*	45/03
16170	-Mys Pospelyovskiy, W. F 7480 approach range, front.	43° 03.7' N 131° 53.4' E	Oc.R. period 3s	26 8	10	Metal framework tower with platform, white diamond daymark, black stripe; 33.	Visible 092°-112°.
				*		*	45/03
16170.1	-Rear, 225 meters 103°30' F 7480.01 from front.	43° 03.7' N 131° 53.5' E	Oc.R. period 3s	52 16	10	Metal framework tower with platform, white diamond daymark, black stripe; 39.	Visible 092°-112°.
				*		*	45/03

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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
16170.15 <i>F 7481</i>	-Mys Tokarevskogo Range, front.						<i>Remove from list.</i>
							* 45/03
16170.16 <i>F 7481.1</i>	--Rear, 112 meters 029°48' from front.						<i>Remove from list.</i>
							* 45/03
16170.2 <i>F 7484</i>	-Sapernyy Range, front.						<i>Remove from list.</i>
							* 45/03
16170.21 <i>F 7484.01</i>	--Rear, 200 meters 186°36' from front.						<i>Remove from list.</i>
							* 45/03
16170.25 <i>F 7440</i>	-Prednozhnoye Range, front.	43° 02.8' N 131° 49.2' E	Oc.W. period 3s	16 5	3	Metal framework tower, white trapezoid daymark, black stripe; 20.	Visible 164°30'-171°.
*			*	*		*	45/03
16170.26 <i>F 7440.1</i>	--Rear, 220 meters 167°48' from front.	43° 02.6' N 131° 49.3' E	F.W.	43 13	3	Metal framework tower, white trapezoid daymark, black stripe; 20.	Visible 157°48'-177°48'.
*			*	*		*	45/03
19036 <i>F 3663.25</i>	-No. "4".	28° 01.9' N 120° 40.6' E	Mo.(P)Y. period 12s	20 6	4	SPECIAL Y, beacon, topmark.	
		*					45/03
19054 <i>F 3663</i>	-Laohu Yan Spur, S. beacon.	28° 01.6' N 120° 44.1' E	Mo.(P)Y. period 15s	20 6	5	SPECIAL Y, beacon, topmark.	
			*	*	*		45/03

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5360 <i>E 0198</i>	Cabo Cullera.	39° 11.2' N 0° 13.1' W	Fl.(3)W. period 20s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 11.7s	92 28	25	White conical tower; 52.	Aeromarine light.
		*					* 45/03
*18285 <i>E 5302.53</i>	-Inner harbor range, front.	44° 37.0' N 33° 35.3' E	Q.Y.		1		On request.
							45/03
*18286 <i>E 5302.535</i>	--Rear, 073°12' from front.	44° 37.0' N 33° 35.4' E	Q.Y.		2		On request.
							45/03

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CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

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ILHA DE SAO TIAGO:							
24204 <i>D 2876</i>	Maria Pia Ponta Temerosa , SE. side.	14° 54.0' N 23° 31.0' W	Fl.(2)W. period 6s	82 25	15	White octagonal masonry tower; 69.	Visible 258°-095°.
	*						* 45/03
24220 <i>D 2882</i>	Ponta do Lobo, island, near E. extremity.	14° 59.0' N 23° 26.0' W	Fl.(4)W. period 15s	56 17	6	Trapezoidal tower near dwelling; 30.	Visible 190°-335°.
							* 45/03

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
2148 <i>C 0256</i>	-Oro Harbor, pier, outer head.						<i>Remove from list.</i>
							* 45/03
3556 <i>C 1486</i>	Sejero.	55° 55.0' N 11° 05.0' E	Fl.(2)W. period 15s	102 31	12	Yellow round tower; 62.	Obscured by land when bearing 301°, 307°-311° and 316°- 321°.
							* 45/03
7224 <i>C 7572</i>	-Norra Range, front.						<i>Remove from list.</i>
							* 45/03
7228 <i>C 7572.1</i>	-Rear, 240 meters 275° from front.						<i>Remove from list.</i>
							* 45/03
7292 <i>C 7551.6</i>	Sillnasudde.	55° 59.8' N 14° 36.7' E	Fl.(2)W.R.G. period 6s	39 12	W. 9 R. 6 G. 5	White and red tower; 36.	R. shore-304°, G.-315°, W.- 006°, R.-017°, G.-056°30', R.- 079°, G.-shore.
		*					* 45/03
7580 <i>C 7452</i>	-Saltohammar.	56° 09.6' N 15° 34.0' E	Q.W.R.G.	11 4	W. 8 R. 5 G. 4	Framework tower. Floodlit.	G. 310°-320°30', R.-329°, G.- 012°30', W.-015°, R.-029°, G.-053°, R.-141°, G.-221°.
		*		*		*	* 45/03
8748 <i>C 6794</i>	-Ledskar.	58° 42.0' N 17° 14.0' E	Iso.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	White hut.	G. 178°-198°, W.-200°30', R.- 230°, G.-309°, R.-000°, G.- 041°30', W.-052°, R.-088°, G.- 112°, R.-178°.
				*			* 45/03
8760 <i>C 6792</i>	Stora Kampasen.	58° 42.8' N 17° 14.0' E	Fl.W.R.G. period 3s	23 7	W. 6 R. 4 G. 3	Lattice mast on white hut.	G. shore (approx. 250°)-260°, W.-276°, R.-017°, G.-052°, W.-063°, R.-074°.
		*					* 45/03

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CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

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10576 <i>C 6108</i>	-Grundvik Range, front.	61° 17.9' N 17° 07.8' E	Q.G.	15 5		Green dolphin.	
	*		*		*		* 45/03
*10576.1 <i>C 6108.1</i>	-Rear, 327° from front.	61° 18.3' N 17° 07.3' E	Iso.G. period 4s	10 3		White rectangular daymark, red stripe.	
							45/03
11672 <i>C 5768</i>	-Hamnholmen.						<i>Remove from list.</i>
							* 45/03
15332 <i>C 4873.5</i>	-Koppnas Range, front.	59° 51.0' N 22° 58.0' E	Iso.Y. period 2s	66 20	14	Mast, red rectangular daymark, white stripe; 55.	Visible 096°-104°.
				*	*	*	45/03
15336 <i>C 4873.51</i>	-Rear, 330 meters 100°12' from front.	59° 50.9' N 22° 58.4' E	Iso.Y. period 2s	75 23	15	Mast, red rectangular daymark, white stripe; 66.	Visible 096°-104°. Synchronized with front.
	*			*	*	*	* 45/03
15340 <i>C 4874.4</i>	-Krakudden Fishing Range, front.	59° 50.0' N 22° 56.0' E	F.R.	26 8		Gray round daymark on post.	Shown on request. Fishing light.
				*		*	* 45/03
15344 <i>C 4874.5</i>	-Rear, 203° from front.	59° 50.1' N 22° 55.5' E	F.R.	20 6	10	Post.	Fishing light.
	*			*	*		* 45/03
15364 <i>C 4872</i>	-Flackgrund Range, front.	59° 52.0' N 22° 50.0' E	Q.(2)W.R.G. period 3s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 1.5s	20 6	9	Red rectangular daymark, yellow stripe.	G. 270°-307°, W.-314°, R.-020°, G.-112°, W.-115°, R.-119°, G.-170°, R.-270°.
			*	*	*		45/03
15368 <i>C 4872.1</i>	-Rear, 114° from front, on islet.	59° 51.6' N 22° 53.9' E	L.FLW. period 6s fl. 2s, ec. 4s	85 26	9	Red rectangular structure, white stripe.	Visible 111°30'-115°30'.
	*		*	*	*		* 45/03
15474 <i>C 4853</i>	-Hogsara.	59° 57.0' N 22° 23.0' E	Q.(3)W.R.G. period 6s fl. 0.6s, ec. 0.6s fl. 0.6s, ec. 0.6s fl. 0.6s, ec. 3s	23 7	6	Red rectangular daymark.	G. 137°-184°, W.-185°30', R.-245°30', G.-010°.
			*		*	*	* 45/03
15480 <i>C 4746.8</i>	-Hallsten.	59° 53.0' N 22° 25.0' E	U.Q.(2)W.R.G. period 3s fl. 0.2s, ec. 0.3s fl. 0.2s, ec. 2.3s	23 7	5	Lantern on red concrete shed.	R. 202°-236°, G.-027°, W.-029°, R.-110°. Radar reflector.
			*	*	*		* 45/03

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SECTION II

NM 45/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 45/03

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* 2,3,4,7,8,9,10,11,14,15,17,19,20,21,22,23,24,25,26,27,28,29,30,31,32,35,36,37,38,39,40,41,42,43,44,45/03	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* 8,15,17,20,21,22,23,24,26,28,30,32,33,34,44/03	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;1,2,3,15,16,21,32,33,41,43/03
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* 3,5,8,22,27,30,33,38/03	SDPUB142	2000	49/00*;3,31,35/01;1,15,43/02	COMDTM165021	2003	17*,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,36,37,38,39,40,41,42,43,44,45/03
Region 6	2002	1* 10,11,13,16,19,20,21,25,28,30,33,38/03	SDPUB143	2000	8*,10,19,29/00;16,26/01;1,25/02;9/03	COMDTM165022	2003	17*,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45/03
Region 7	2002	1* 11,15,28/03	SDPUB144	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	COMDTM165023	2003	17*,18,19,20,21,23,24,25,26,28,29,31,32,33,34,35,36,37,38,39,41,43,44,45/03
Region 8	2002	1* 14,37,41/03	SDPUB145	2000	35/01*;21,22,23,24/02;39,40,41/03	COMDTM165024	2003	18*,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45/03
Region 9	2002	1* 34,40,43,45/03	SDPUB147	2001	48/01*;23,24/02;22,42,43,45/03	COMDTM165025	2002	16/02*
Miscellaneous Charts and Publications	2002	1* 2,4,5,6,7,9,11,12,13,15,17,18,19,20,21,23,24,25,27,28,29,30,31,32,33,34,36,37,38,39,41,42,43,45/03	SDPUB148	2001	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	COMDTM165026	2003	18*,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45/03
NIMA LIST OF LIGHTS			SDPUB149	2001	31*,48/01;10,45,46/02	COMDTM165027	2003	18*,20,21,22,23,24,26,27,28,30,31,32,33,34,35,36,37,38,39,40,43,44/03
LLPUB110	2003	7*,8,9,11,13,14,15,16,17,18,20,21,23,24,25,26,27,28,29,31,32,33,34,36,37,38,39,41,42,43,44/03	SDPUB154	2002	42*,48/02	FLEET GUIDES		
LLPUB111	2003	33*,34,35,36,37,38,39,40,41,43,45/03	SDPUB155	2001	47*,48,49,52/02;6,8,10,11,19,21,22,23,30,33,36,39,41,43/03	FGPUB940ATL	2001	N47/01*
LLPUB112	2003	4*,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45/03	SDPUB159	2002	23*,24,44,47,48/02;5,12/03	FGPUB941PAC	2001	N22/01*
LLPUB113	2002	45*,47,48,50,51,52/02;1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,39,40,41,42,43,44,45/03	SDPUB160	2002	51/01*;5,12/03	NOS MISCELLANEOUS PUBLICATIONS		
LLPUB114	2003	17*,19,21,22,23,24,27,31,32,40,43,44/03	SDPUB161	2002	18*,20,21,26,46,51/02;13,24,26,27,28,29,30,31,39,40,41,43/03	NOSPBCATALOG1	2000	20/00*
LLPUB115	2003	42*,44/03	SDPUB162	2001	30/00*;31,35,36/01;8,28/03	NOSPBCATALOG2	2000	34/00*
LLPUB116	2003	24*,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45/03	SDPUB163	2002	40*,47,48,52/01;5,9,14,16,41/02;23,24,26,41/03	NOSPBCATALOG3	2000	28/00*
SAILING DIRECTIONS			SDPUB164	2000	1*,2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02;1,11,12,13,14,15,19,20,22,23,25,26,27,28,29,31,32,33,34,35,37,38,39,40,43,44,45/03	NOSPBCATALOG4	2000	34/00*
CDPUBSD125	2003	19*,43/03	SDPUB171	2001	1* 2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02;1,11,12,13,14,15,19,20,22,23,25,26,27,28,29,31,32,33,34,35,37,38,39,40,43,44,45/03	ALMANACS		
CDPUBSD127	2003	39/03*	SDPUB172	2001	50*,51/02;3,22,24,25,26,27,32,33,34,37,38/03	AIRALMANAC401	2004	29/03*
CDPUBSD131	2002	9/03*	SDPUB173	2002	7*,19,37,45,51,52/01;1,5,14,19,22,28,33,37,38,48/02;30,39,40,41,43/03	NAUTALMANAC04	2004	29/03*
CDPUBSD146	2002	4/03*	SDPUB174	2000	41*,43,45,51/01;8,11,12,13,14,16,17,21,27,37,41,49/02;26,27,29,32,37,38,43/03	COAST PILOT		
CDPUBSD157	2003	17/03*	SDPUB175	2001	32*,33,42,47,48,50/02;6,13,14,17,21,24,42,44/03	NOSPBCP1	33	27*,28,29,32,33,34,39,42/03
CDPUBSD158	2003	24/03*	SDPUB180	2002	38*,39/02	NOSPBCP2	32	17*,18,21,22,26,28,30,32,33,35,36,39,42,43,45/03
CDPUBSD192	2003	32*,36,38,39,40,41,42,43/03	SDPUB181	2002	8*,10,12,41/02;17/03	NOSPBCP3	36	34*,36,42,43,44/03
CDPUBSD194	2002	6*,8,15,17,30,33,35,37,38,39,40/03	SDPUB182	2001	27/01*;13,15,16/02;18/03	NOSPBCP4	35	34*,36,39,42,44/03
SDPUB120	2001	12*,18,48,49,51/01;8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02;4,6,7,8,9,10,11,12,14,17,20,21,23,29,30,31,41,42,44,45/03	SDPUB183	2001	5*,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,27,28,29,30,31,33,34,36,44,45,47,48/01;10,14,15,16,17,42,50/02;2,9,12,15,18,22/03	NOSPBCP5	30	2*,6,10,12,14,18,20,27,30,32,35,36,37,39,42/03
SDPUB123	2001	45*,47,48/01;1,14,17,18,19/02;24,25,27,28,32,38,42/03	SDPUB184	2001	NOS MISCELLANEOUS PUBLICATIONS			
SDPUB124	2001	18*,44,45,47,48,49,52/01;17,19,20,21,29,30,31,34,46,50/02;24,25,27,28,29,30,32,35,36,37,39,44/03	SDPUB191	2000	RADIO NAVIGATIONAL AIDS			
						RAPUB117	2002	50/02*;13/03
						AMERICAN PRACTICAL NAVIGATOR		
						NVPUB9	2002	36/02*;14,38/03
						INTERNATIONAL CODE OF SIGNALS		
						CDPUBNV102	2003	20/03*

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 45/03**

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

NIMA Reference No.	Ed.	Notice to Mariners No.
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		
NOSPBTTCPACIN3	2003	N4/03*
NOSPBTTTCSTNSA3	2003	N4/03*
NOSPBTTTEURAFR3	2003	N4/03*
NOSPBTTWCSTNSA3	2003	N4/03*
TIDAL CURRENT TABLES		
NOSPBTCATCSTN3	2003	N4/03*
NOSPBCTPACAS3	2003	N4/03*

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 231100Z October 2003:

2003 series	387(GEN)	414(GEN)	417(GEN)
108(26,27)	412(14)	415(11,26)	418(11)

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 161200Z to 231100Z October 2003.

415/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 0400Z TO 0359Z COMMENCING DAILY
20 THRU 26 OCT IN AREA BOUND BY
30-45N 080-54W, 30-45N 080-11W,
30-36N 080-11W, 30-33N 080-55W.
 - B. 0400Z TO 0359Z COMMENCING DAILY
20 THRU 26 OCT IN AREA BETWEEN
29-10N 29-20N AND 079-40W 079-50W.
 - C. 1300Z TO 0600Z COMMENCING DAILY
21 THRU 24 OCT IN AREA BETWEEN
30-00N 29-50N AND 081-00W 080-50W.
 - D. 1500Z TO 1700Z DAILY 20 AND 21 OCT
IN AREA BOUND BY 30-35N 081-21W,
30-35N 081-00W, 30-00N 081-02W,
30-00N 081-15W.
 - E. 221930Z TO 222330Z OCT IN AREA BETWEEN
31-30N 31-20N AND 079-30W 079-40W.
2. CANCEL THIS MSG 270459Z OCT.

(171200Z OCT 2003)

416/03. CANCELED.

417/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 04 UNUSABLE 232359Z TO 241200Z OCT.
2. CANCEL THIS MSG 241300Z OCT.

(211342Z OCT 2003)

418/03(11). SOUTH CAROLINA. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 27 THRU 31 OCT
WITHIN ONE MILE OF 32-33.71N 079-46.80W.
2. CANCEL THIS MSG 01 NOV.

(221010Z OCT 2003)

SECTION III

NM 45/03

HYDROLANTS

Messages in force 231100Z October 2003:

2000 series	2003 series	1600(37)	1866(53)	1948(24)	1982(53)
2937(38)	41(37)	1606(24)	1877(53)	1950(55)	1983(24)
3762(43)	67(37)	1607(24)	1882(52,56)	1952(52,53)	1984(37)
4265(44)	544(55)	1620(53,56)	1896(22)	1955(52,53)	1986(35)
2001 series	604(26,27)	1647(51,52)	1902(24)	1956(24)	1987(23)
611(44)	738(35)	1676(57)	1907(36,37)	1957(53)	1988(24)
2700(37)	754(37)	1731(35)	1912(55)	1958(GEN)	1989(23,24)
3161(44)	867(37)	1780(51,52)	1926(54)	1960(GEN)	1990(24)
2002 series	1117(37)	1801(35)	1929(57)	1961(37)	1991(55)
245(GEN)	1242(24)	1825(GEN)	1930(54)	1963(53)	1992(24)
246(GEN)	1255(44)	1830(37)	1931(57)	1968(53)	1993(23)
2203(51)	1291(37)	1833(37)	1935(37)	1969(54)	1994(24)
2682(51)	1374(52,53)	1834(22)	1938(GEN)	1972(GEN)	1995(53)
2848(37)	1422(53)	1845(55)	1940(54)	1974(43)	
2869(52)	1472(35)	1847(53)	1944(53)	1975(24)	
2882(54)	1522(51,52)	1856(53)	1945(56)	1978(GEN)	
2883(54)	1553(37)	1863(37)	1946(56)	1981(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 161200Z to 231100Z October 2003.

1942/03 and 1943/03. CANCELED.

1944/03(53). TYRRHENIAN SEA.

CHART 53180 (10TH ED).

ISOLA ALICUDI LIGHT 38-32.0N 014-21.7E UNLIT.

(161340Z OCT 2003)

1945/03(56). EASTERN MEDITERRANEAN SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 25 OCT BY

M/V AMADEUS TOWING EIGHT 3.5 MILE LONG

CABLES IN AREA BOUND BY

32-00N 031-38E, 31-34N 032-17E,

31-45N 032-27E, 32-11N 031-48E.

FIVE MILE BERTH REQUESTED.

2. CANCEL THIS MSG 26 OCT.

(161615Z OCT 2003)

1946/03(56). EASTERN MEDITERRANEAN SEA.

1. PIPELINE OPERATIONS IN PROGRESS UNTIL 20 NOV

BY M/V IBIS, M/V KANTA AND M/V ROMA

IN AREA BOUND BY

31-38.7N 032-09.0E, 31-38.5N 032-33.1E,

31-16.9N 032-32.7E, 31-17.1N 032-08.8E.

2. CANCEL THIS MSG 21 NOV.

(161630Z OCT 2003)

1947/03. CANCELED.

1948/03(24). BRAZIL-SOUTH COAST.

CHART 24140 (18TH ED).

DGPS STATION AT ILHA DA MOELA LIGHT 24-03.1S 046-15.9W INOPERATIVE.

(170710Z OCT 2003)

1949/03. CANCELED.

1950/03(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0400Z TO 1400Z DAILY

21 THRU 23 OCT IN AREA BOUND BY

44-45.5N 036-01.1E, 44-21.4N 035-56.0E,

44-25.0N 035-28.0E, 44-48.1N 035-33.0E.

2. CANCEL THIS MSG 231500Z OCT.

(170950Z OCT 2003)

1951/03. CANCELED.

- 1952/03(52,53). EASTERN MEDITERRANEAN SEA.
VESSEL, 30 PERSONS ON BOARD, CAPSIZED IN 35-10N 012-59E.
SEVEN TO TEN PERSONS MISSING. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
POSSIBLE. REPORTS TO MRCC ROME, TELEX: 4361 1172,
PHONE: 390 6592 4145, FAX: 390 6592 2737.
(171834Z OCT 2003)
- 1953/03 and 1954/03. CANCELED.
- 1955/03(52,53). SICILIA-NORTHWEST COAST.
1. DERELICT 7.5 METER VESSEL ADRIFT IN 38-10.2N 012-30.9E.
REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL THIS MSG 25 OCT.
(180455Z OCT 2003)
- 1956/03(24). BRAZIL-SOUTHEAST COAST.
1. OCEANOGRAPHIC OPERATIONS 19 THRU 31 OCT
BY M/V ANTARES IN AREA BOUND BY
20-40S 040-00W, 21-30S 040-15W,
22-57S 028-50W, 21-30S 029-50W.
THREE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 01 NOV.
(180740Z OCT 2003)
- 1957/03(53). TYRRHENIAN SEA.
1. DERELICT 12 METER VESSEL AZAR, WHITE HULL,
ADRIFT IN 39-04N 011-40E.
REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL THIS MSG 25 OCT.
(181140Z OCT 2003)
- 1958/03(GEN). NORTH ATLANTIC.
13 METER S/V JOVIAL TIBURON, WHITE HULL, SIX PERSONS ON BOARD,
OVERDUE CANARY ISLANDS TO ARZAL, FRANCE. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC GRIS NEZ, TELEX: 4213 4002,
PHONE: 333 2187 2187, FAX: 333 2187 7855.
(181250Z OCT 2003)
- 1959/03. CANCELED.
- 1960/03(GEN). NORTH ATLANTIC.
TEN METER S/V EST D'EDEN, DARK GREEN HULL WITH
WHITE TRIM, ONE PERSON ON BOARD, OVERDUE
HALIFAX, NOVA SCOTIA TO AZORES. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO JRCC HALIFAX,
PHONE: 902 427 8200, FAX: 902 427 2114.
(181539Z OCT 2003)
- 1961/03(37). NORTH SEA.
PIPELAYING OPERATIONS IN PROGRESS UNTIL
FURTHER NOTICE BY BARGE SKANDI NAVICA
ALONG TRACKLINE BETWEEN
53-40.0N 000-54.5E AND 53-37.4N 000-47.4E.
(181608Z OCT 2003)
- 1962/03. CANCELED.
- 1963/03(53). TYRRHENIAN SEA.
M/V CEM COVER DISABLED AND ADRIFT IN 41-06N 012-57E
AT 181940Z OCT. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ROME, TELEX: 4361 1172,
PHONE: 390 6592 4145, FAX: 390 6592 2737.
(182115Z OCT 2003)
- 1964/03 thru 1967/03. CANCELED.
- 1968/03(53). SICILIA-EAST COAST.
CHART 53200 (6TH ED).
CAPO SANTA CROCE LIGHT 37-14.5N 015-15.5E UNLIT.
(200820Z OCT 2003)
- 1969/03(54). ADRIATIC SEA. GUNNERY.
1. GUNNERY EXERCISES 0700Z TO 1300Z DAILY
23 AND 24 OCT IN AREA BOUND BY

SECTION III

NM 45/03

- 43-20N 016-20E, 43-17N 016-20E,
43-13N 016-00E, 43-26N 016-00E.
2. CANCEL HYDROLANT 1959/03(38), 1941/03 REFERS.
3. CANCEL HYDROLANT 1967/03(53), OPERATIONS CANCELED.
4. CANCEL THIS MSG 241400Z OCT. (200940Z OCT 2003)
- 1970/03 and 1971/03. CANCELED.
- 1972/03(GEN).
1. CANCEL HYDROLANT 1966/03(35), AID RESTORED.
2. CANCEL HYDROLANT 1971/03(37).
3. CANCEL THIS MSG. (201840Z OCT 2003)
- 1973/03. CANCELED.
- 1974/03(43). NORTH SEA.
PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY M/V CSO APACHE ALONG TRACKLINE BETWEEN
57-14N 000-38E AND 57-11N 000-44E.
WIDE BERTH REQUESTED. (210126Z OCT 2003)
- 1975/03(24). BRAZIL-EAST COAST.
CHART 24210 (14TH ED).
RADIOBEACON AND DGPS STATION AT SERGIPE LIGHT
10-58.2S 037-02.2W INOPERATIVE. (210217Z OCT 2003)
- 1976/03 and 1977/03. CANCELED.
- 1978/03(GEN). GPS SATELLITE SYSTEM.
1. PRN 04 UNUSABLE 232359Z TO 241200Z OCT.
2. CANCEL THIS MSG 241300Z OCT. (211334Z OCT 2003)
- 1979/03 and 1980/03. CANCELED.
- 1981/03(24). BRAZIL-SOUTH COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 250159Z OCT
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 HYDROLANT 1976/03.
3. CANCEL THIS MSG 250259Z OCT. (220850Z OCT 2003)
- 1982/03(53). SICILIA-NORTH COAST.
CHART 53242 (12TH ED).
1. CAPO ZAFFERANO LIGHT 38-06.6N 013-32.5E UNLIT.
2. CANCEL HYDROLANT 1980/03(35,38). (221305Z OCT 2003)
- 1983/03(24). BRAZIL-NORTH COAST.
CHART 24240 (5TH ED).
SANTO ALBERTO LIGHT 05-03.1S 036-02.3W UNLIT. (221354Z OCT 2003)
- 1984/03(37). DOVER STRAIT.
CHART 37121 (11TH ED).
COLBART SOUTHWEST BUOY 50-49N 001-17E MISSING. (221533Z OCT 2003)
- 1985/03. CANCELED.
- 1986/03(35). ORKNEY ISLANDS.
CHART 35141 (11TH ED).
TOR NESS LIGHT 58-46.7N 003-17.6W AT REDUCED INTENSITY. (221855Z OCT 2003)
- 1987/03(23). SOUTH ATLANTIC.
1. DERELICT F/V SAN ANDRES APOSTAL ADRIFT
VICINITY 40-25S 059-05W.
2. CANCEL THIS MSG 30 OCT. (230620Z OCT 2003)

- 1988/03(24). URUGUAY.
 CHART 24060 (2ND ED).
 1. RADIOBEACON AT CABO POLONIO LIGHT 34-24S 053-47W OFF AIR.
 2. CANCEL HYDROLANT 1646/03. (230625Z OCT 2003)
- 1989/03(23,24). SOUTH ATLANTIC.
 1. HYDROGRAPHIC SURVEY IN PROGRESS UNTIL 010300Z NOV
 BY M/V ROU 22 OYARVIDE IN AREA BOUND BY
 34-47.0S 053-40.7W, 34-42.0S 053-45.0W,
 34-22.4S 053-27.6W, 34-26.5S 053-21.6W.
 1.5 MILE BERTH REQUESTED.
 2. CANCEL THIS MGS 010400Z NOV. (230635Z OCT 2003)
- 1990/03(24). BRAZIL-SOUTH COAST.
 1. SEISMIC SURVEY IN PROGRESS UNTIL 270159Z OCT BY
 M/V VERITAS VIKING I TOWING SIX 6000 METER
 LONG CABLES IN AREA BOUND BY
 25-01.9S 042-33.3W, 25-01.6S 042-00.6W,
 25-50.3S 041-59.9W, 25-50.6S 042-32.8W.
 SIX MILE BERTH REQUESTED.
 2. CANCEL THIS MSG 270259Z OCT. (230820Z OCT 2003)
- 1991/03(55). BLACK SEA. MISSILES.
 1. HAZARDOUS OPERATIONS 0700Z TO 1400Z DAILY
 24 AND 25 OCT AND 260800Z TO 261500Z OCT
 IN AREA BOUND BY
 44-45.5N 036-01.1E, 44-21.4N 035-56.0E,
 44-25.0N 035-28.0E, 44-48.1N 035-33.0E.
 2. CANCEL THIS MSG 261600Z OCT. (230840Z OCT 2003)
- 1992/03(24). BRAZIL-SOUTH COAST.
 1. OCEANOGRAPHIC SURVEY 26 OCT THRU 16 NOV
 BY M/V AMORIM DO VALLE IN AREA BOUND BY
 25-40.5S 048-25.0W, 25-37.0S 048-25.0W,
 25-37.0S 048-18.5W, 25-30.0S 048-10.0W,
 25-40.5S 048-10.0W, 25-40.5S 048-25.0W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 17 NOV. (230850Z OCT 2003)
- 1993/03(23). SOUTH ATLANTIC. ICE.
 1. ICEBERGS REPORTED ON 20 OCT:
 A. A-38A, 22 MILES BY 48 MILES IN 58-12S 043-00W.
 B. A-38B, 22 MILES BY 25 MILES IN 57-12S 040-48W.
 C. A-38C, SEVEN MILES BY 11 MILES IN 54-48S 035-48W.
 D. A-38D, TWO MILES BY TEN MILES IN 57-18S 037-48W.
 E. A-43B, 13 MILES BY 40 MILES IN 54-24S 039-06W.
 F. A-43C, 24 MILES BY 41 MILES IN 55-42S 031-00W.
 G. A-48, NINE MILES BY TEN MILES IN 57-36S 043-54W.
 2. CANCEL THIS MSG 30 OCT. (230910Z OCT 2003)
- 1994/03(24). BRAZIL-EAST COAST.
 CHART 24200 (14TH ED).
 MORRO TAIPIUS LIGHT 13-57.2S 038-56.5W UNLIT. (230950Z OCT 2003)
- 1995/03(53). ITALY-SOUTHWEST COAST.
 CHART 53180 (10TH ED).
 CAPO BONIFATI LIGHT 39-32.5N 015-53.3E UNLIT. (231010Z OCT 2003)

SECTION III

NM 45/03

NAVAREA XII

Messages in force 231100Z October 2003:

2003 series	271(19)	288(18)	302(GEN)	307(18)
262(GEN)	283(GEN)	291(GEN)	306(17,18)	

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 161200Z to 231100Z October 2003.

297/03 thru 301/03. CANCELED.

- 302/03(GEN). GPS SATELLITE SYSTEM.
- 1. PRN 04 UNUSABLE 232359Z TO 241200Z OCT.
- 2. CANCEL THIS MSG 241300Z OCT.

(211349Z OCT 2003)

303/03 thru 305/03. CANCELED.

- 306/03(17,18). NORTH PACIFIC. WASHINGTON.
- 1. LORAN-C STATION GEORGE, RATES 5990-Y AND 9940-W, UNUSABLE 231600Z TO 232000Z OCT.
- 2. CANCEL NAVAREA XII 298/03.
- 3. CANCEL THIS MSG 232100Z OCT.

(220450Z OCT 2003)

- 307/03(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 TO THE SHORELINE.
 - B. 33-52N 119-06W. N. 34-24N 120-30W.
 - C. 33-29N 119-07W. O. 34-08N 120-26W.
 - D. 33-29N 118-37W. P. 34-08N 119-40W.
 - E. 33-20N 118-37W. Q. 34-00N 119-40W.
 - F. 32-11N 120-16W. R. 34-06N 119-13W.
 - G. 31-54N 121-35W. S. 34-06N 119-11W.
 - H. 35-09N 123-39W. T. 34-07N 119-10W.
 - I. 35-29N 123-00W. U. 34-07N 119-07W.
 - J. 35-04N 122-43W. V. 34-04N 119-04W.
 - K. 35-57N 121-32W. 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 295/03.

(231020Z OCT 2003)

SECTION III

NM 45/03

HYDROPACS

Messages in force 231100Z October 2003:

2001 series	667(62)	1395(62)	1650(93)	1732(75)	1801(96)
1976(62)	760(63)	1398(74)	1652(63)	1733(75)	1803(74)
2002 series	761(63)	1476(93)	1653(63)	1734(74)	1806(61)
205(GEN)	801(72)	1485(22)	1655(29)	1735(95,97)	1808(63)
206(GEN)	880(63)	1514(62)	1657(19,97)	1736(63)	1809(62)
352(73)	895(62)	1518(62)	1658(61)	1743(63)	1811(74)
403(72,73)	960(63)	1540(81)	1660(95)	1744(63)	1813(74)
2191(22)	992(62)	1542(19,81)	1661(94,95)	1745(96)	1818(75)
2199(63)	993(62)	1546(91,93,94)	1662(95)	1749(71)	1819(61)
2330(62)	998(71)	1552(94)	1663(94,95)	1755(63)	1820(61)
2339(63)	1010(63)	1553(61)	1664(94,95)	1764(GEN)	1821(83)
2003 series	1041(71)	1556(91,94)	1665(94,95)	1777(63)	1823(63)
167(95)	1110(61)	1558(81,97)	1666(71)	1781(76,83)	1825(74)
197(71)	1198(92)	1559(71)	1686(63)	1782(71)	1826(GEN)
207(62)	1213(73)	1592(63)	1687(81)	1783(74)	1828(74)
445(96)	1220(62)	1624(19,81)	1688(62)	1785(96)	1829(93)
495(62)	1222(62)	1632(19,97)	1692(63)	1788(GEN)	1831(63)
496(62)	1248(63)	1635(81)	1697(61)	1791(93)	1834(73,74)
506(62)	1266(73)	1644(96)	1699(63)	1794(62)	1836(74)
515(73)	1267(73)	1645(94)	1700(62)	1795(63)	1837(GEN)
525(73,74)	1330(62)	1646(63)	1710(GEN)	1799(83,76)	1838(23,29)
638(62)	1371(71,93)	1649(94,97)	1717(84)	1800(21,22)	

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 161200Z to 231100Z October 2003.

1794/03(62)

1. SALVAGE OPERATIONS IN PROGRESS UNTIL 31 DEC VICINITY 28-13.2N 033-36.8E.
2. CANCEL THIS MSG 01 JAN 04.

(161350Z OCT 2003)

1795/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 OCT BY M/V C-EXPLORER TOWING THREE 4000 METER LONG CABLES IN AREA BOUND BY 18-46.1N 072-19.1E, 18-51.0N 072-35.0E, 19-00.0N 072-31.1E, 18-55.1N 072-18.0E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 NOV.

(161600Z OCT 2003)

1796/03 thru 1798/03. CANCELED.

1799/03(83,76). FIJI TO NEW ZEALAND.

- 42 FOOT S/V MATA HARI OVERDUE LAUTOKA TO BAY OF ISLANDS. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MARITIME OPERATIONS NEW ZEALAND, INMARSAT-C: 4512 00067, PHONE: 644 914 8333, FAX: 644 914 8334 OR TAUPO MARITIME RADIO.

(170024Z OCT 2003)

1800/03(21,22). SOUTH PACIFIC.

- CHART 21036 (7TH ED).
1. ODAS BUOY 05-00.5S 085-00.2W UNLIT.
 2. CANCEL HYDROPAC 1789/03(81), SIGNAL CEASED.

(170850Z OCT 2003)

1801/03(96). RUSSIA. SEA OF JAPAN.

- CHART 96060 (7TH ED).
1. MYS TITOVA LIGHT 43-06.0N 134-18.5E UNLIT.
 2. CANCEL HYDROPAC 1767/03.

(171050Z OCT 2003)

1802/03. CANCELED.

- 1803/03(74). AUSTRALIA-NORTH COAST.
DISTRESS SIGNAL RECEIVED IN 12-17S 129-37E AT
171130Z OCT. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC AUSTRALIA. TELEX: 7162025,
PHONE: 612 6230 6811, FAX: 612 6230 6868.
(171415Z OCT 2003)
- 1804/03 and 1805/03. CANCELED.
- 1806/03(61). MOZAMBIQUE CHANNEL.
CHART 61440 (2ND ED).
1. ILE JUAN DE NOVA LIGHT 17-03.1S 042-41.8E UNLIT.
2. CANCEL HYDROPAC 1505/03.
(180710Z OCT 2003)
- 1807/03. CANCELED.
- 1808/03(63). INDIA-WEST COAST. ROCKETS.
1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY
22 AND 23 OCT WITHIN 75 MILES OF 08-31.9N 076-52.1E.
2. CANCEL HYDROPAC 1763/03.
3. CANCEL THIS MSG 231700Z OCT.
(180950Z OCT 2003)
- 1809/03(62). GULF OF SUEZ.
CHART 62230 (2ND ED).
1. SHAG ROCK LIGHT 27-46.1N 033-52.1E UNLIT.
2. CANCEL HYDROPAC 1802/03(75), AID RESTORED.
(181150Z OCT 2003)
- 1810/03. CANCELED.
- 1811/03(74). AUSTRALIA-EAST COAST.
MAN OVERBOARD VICINITY 23-29.3S 153-47.3E
AT 181330Z OCT. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811,
FAX: 612 6230 6868.
(181458Z OCT 2003)
- 1812/03. CANCELED.
- 1813/03(74). AUSTRALIA-NORTHWEST COAST.
1. 5100 METER LONG CABLE ADRIFT VICINITY
19-27.4S 115-10.7E AT 191056Z OCT.
2. CANCEL HYDROPAC 1805/03.
3. CANCEL THIS MSG 26 OCT.
(191455Z OCT 2003)
- 1814/03 thru 1817/03. CANCELED.
- 1818/03(75). AUSTRALIA-SOUTH COAST.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V ORIENT EXPLORER TOWING 2.5 MILE LONG CABLE
IN AREA BOUND BY 38-35S 142-20E, 38-24S 142-30E,
38-46S 143-14E, 38-50S 143-10E. WIDE BERTH REQUESTED.
(201217Z OCT 2003)
- 1819/03(61). COMOROS ISLANDS.
SIX METER F/V MARIZIKI, TWO PERSONS ON BOARD,
OVERDUE MAYOTTE TO MZAMBORO. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC REUNION,
INMARSAT-C: 4227 99193, TELEX: 916140,
PHONE: 26 243 4343, FAX: 26 271 1595.
(201724Z OCT 2003)
- 1820/03(61). MADAGASCAR-NORTHWEST COAST.
DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM 40 METER S/V MARY FRANCES
IN 13-24.5S 048-13.0E. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
MRCC REUNION, INMARSAT-C: 4227 99193, TELEX: 916140,
PHONE: 2622 6243 4343, FAX: 2622 6271 1595.
(202008Z OCT 2003)

SECTION III

NM 45/03

- 1821/03(83). FIJI ISLANDS.
CHART 83034 (1ST ED).
1. LIGHTS UNLIT:
A. THAKAU MOMO LIGHT 17-39S 179-16E.
B. VATU-I-RA CHANNEL WEST LIGHT 17-17S 178-29E.
2. CANCEL HYDROPAC 1648/03.
(20229Z OCT 2003)
- 1822/03. CANCELED.
- 1823/03(63). INDIA-WEST COAST.
1. SEISMIC SURVEY 23 OCT THRU 05 NOV BY
M/V GEO BALTIC TOWING FOUR 5500 METER
LONG CABLES IN AREA BOUND BY
18-37.8N 072-09.8E, 18-33.0N 072-11.3E,
18-25.7N 071-49.7E, 18-30.8N 072-47.5E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 1695/03.
3. CANCEL THIS MSG 06 NOV.
(211209Z OCT 2003)
- 1824/03. CANCELED.
- 1825/03(74). AUSTRALIA-WEST COAST.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V PACIFIC SWORD TOWING CABLES IN AREA
BETWEEN 29-20S 29-35S AND 114-43E 114-57E.
THREE MILE BERTH REQUESTED.
(211255Z OCT 2003)
- 1826/03(GEN). GPS SATELLITE SYSTEM.
1. PRN 04 UNUSABLE 232359Z TO 241200Z OCT.
2. CANCEL THIS MSG 241300Z OCT.
(211357Z OCT 2003)
- 1827/03. CANCELED.
- 1828/03(74). GULF OF CARPENTARIA.
1. FISHING NET ADRIFT IN 12-33.22S 141-20.80E AT 210317Z OCT.
2. CANCEL THIS MSG 28 OCT.
(211654Z OCT 2003)
- 1829/03(93). SOUTH CHINA SEA.
1. M/V HAONG DAT 35 SUNK IN 11-18N 111-14E AT 202340Z OCT.
ONE PERSON MISSING. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC HONG KONG, TELEX: 82952.
2. CANCEL HYDROPAC 1827/03.
(211717Z OCT 2003)
- 1830/03. CANCELED.
- 1831/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY 27 AND 28 OCT
IN AREA BOUND BY 19-14.6N 084-53.7E, 19-10.5N 085-01.0E,
19-01.0N 084-56.8E, 19-05.1N 084-48.4E.
2. CANCEL THIS MSG 281330Z OCT.
(221234Z OCT 2003)
- 1832/03 and 1833/03. CANCELED.
- 1834/03(73,74). GULF OF PAPUA.
CHART 74285 (2ND ED).
BRAMBLE CAY LIGHT 09-08.5S 143-52.6E UNLIT.
(221950Z OCT 2003)
- 1835/03. CANCELED.
- 1836/03(74). AUSTRALIA-NORTH COAST.
1. PARTIALLY SUBMERGED DERELICT NINE METER VESSEL
ADRIFT VICINITY 11-12S 127-34E AT 230113Z OCT.
2. CANCEL HYDROPAC 1798/03
3. CANCEL THIS MSG 30 OCT.
(230610Z OCT 2003)

1837/03(GEN). INDONESIA TO AUSTRALIA.

NINE METER VESSEL HANUMAN, SILVER HULL WITH GREEN STRIPE,
THREE PERSONS ON BOARD, UNREPORTED BALI TO DARWIN.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(230640Z OCT 2003)

1838/03(23.29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 20 OCT:

- A. A-38A, 22 MILES BY 48 MILES IN 58-12S 043-00W.
- B. A-38B, 22 MILES BY 25 MILES IN 57-12S 040-48W.
- C. A-38D, TWO MILES BY TEN MILES IN 57-18S 037-48W.
- D. A-43E, TEN MILES BY 14 MILES IN 67-12S 059-48W.
- E. A-43F, 22 MILES BY 24 MILES IN 66-24S 059-00W.
- F. A-43J, FIVE MILES BY 17 MILES IN 66-12S 060-00W.
- G. A-48, NINE MILES BY TEN MILES IN 57-36S 043-54W.
- H. A-52, EIGHT MILE BY 22 MILES IN 65-48S 058-54W.

2. CANCEL THIS MSG 30 OCT.

(230920Z OCT 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 23 October 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 23 October 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION**DISCONTINUANCE OF 121.5 AND 243 MHZ FOR SATELLITE DISTRESS ALERTS**

The Cospas-Sarsat Program has announced plans to terminate satellite processing of distress signals from 121.5 and 243 MHz emergency beacons on February 1, 2009. Users of the system will have to switch to emergency beacons operating at 406 MHz, which are more reliable and provide search and rescue agencies complete information that they need to do their job, in order to be detected by satellites.

Reasons for the Cospas-Sarsat program to discontinue use is driven by guidance from the International Maritime Organization (IMO) and the International Civil Aviation Organization (ICAO). These two agencies are responsible for regulating the safety of ships and aircraft on international transits and handle international standards for maritime and aeronautical search and rescue missions. In addition, 121.5 MHz false alerts inundate search and rescue resources which impact the effectiveness of lifesaving services.

Individuals who plan on buying a new distress beacon may wish to take the Cospas-Sarsat decision into account.

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. _____

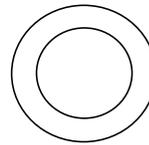
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

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

User Feedback (continue on additional sheets as necessary)



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ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address _____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

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

Date of Insertion _____ Date of Removal _____

If observed, Date _____ Time (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

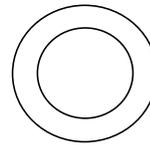
Sounding sensor or method used _____

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

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

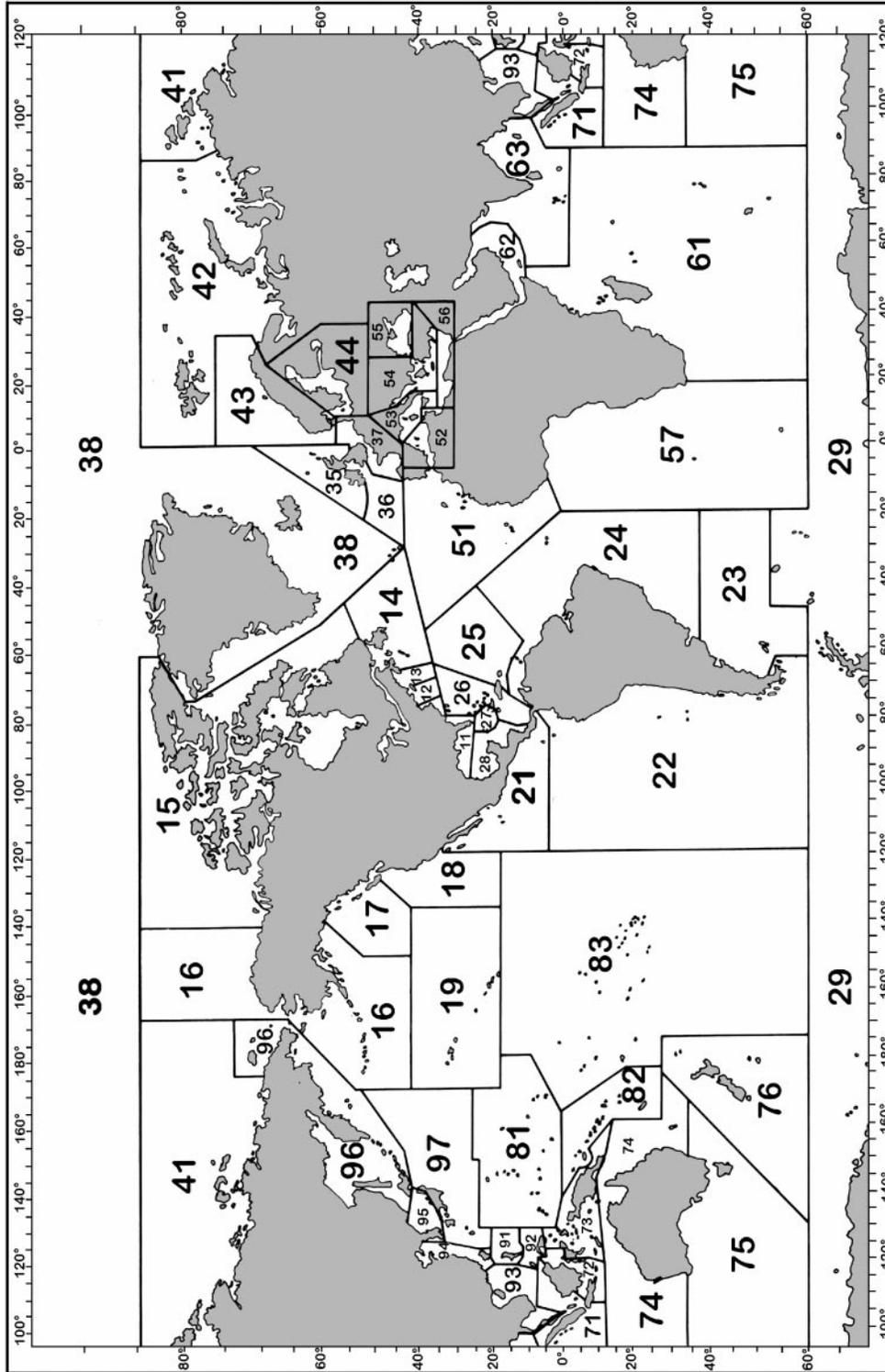


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GEOGRAPHIC LOCATOR



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

AFTER 5 DAYS RETURN TO

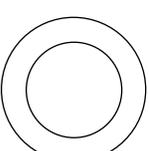
DEFENSE SUPPLY CENTER RICHMOND

ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

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**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY