



No. 6

8 FEBRUARY 2003



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Imagery and Mapping Agency

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

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



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IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Transportation), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

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

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

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

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

<u>Observer</u>	<u>Ship/Organization</u>
LCDR Frank Schenk	NAVOCEANO
LCDR R. M. W. Forester	HMS ENDURANCE

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

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 6/03

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

8 February 2003

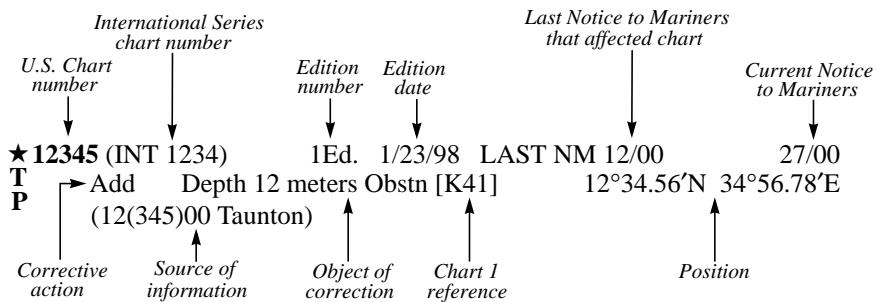
NEW EDITION OF SAILING DIRECTIONS

PUB. 194, SAILING DIRECTIONS (ENROUTE) BALTIC SEA (SOUTHERN PART), NINTH EDITION, 2002, IS READY FOR ISSUE. THIS EDITION IS PRODUCED BY NIMA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

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

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

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

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

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

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

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

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

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

**SECTION I
CHART CORRECTIONS**

NM 6/03

411	48Ed. 4/28/01 LAST NM 5/03	6/03	Add Dashed-line circle "Obstn"	29°00.0'N 87°59.0'W	Add Platform [L10]	28°23.5'N 89°27.2'W
	Danger circle [K40]			27°55.5'N 80°15.5'W	Dashed-line circle "Obstn (cov 358fms)" (PA)	28°18.5'N 89°44.3'W
	Danger circle [K40]			27°54.3'N 80°13.3'W	Dangerous wreck [K28] (PA)	28°46.2'N 90°31.1'W
	Danger circle [K40]			27°55.1'N 80°12.3'W	Submarine pipeline [L40.1] between	27°58.2'N 90°41.0'W
	Legend "Obstns"			27°52.0'N 80°20.0'W		28°00.4'N 90°40.7'W
	(NOS; 50/02 CG8)				Stranded wreck [K24] (PA)	28°50.1'N 91°14.8'W
501	(INT 801) 11Ed. 11/1/97 LAST NM 38/02	6/03	Change Legend to "Subm buoys (cov 698m rep)" (PA)	32°06'N 126°54'W	Dangerous wreck [K28] (PA) marked by light	
	(See 6/02-501)				Fl R	28°49.5'N 91°15.3'W
Add	Dashed-line circle with legend "Obstn (cov 486m)"	33°02'N 121°00'W			Submerged well (cov 46fms) [L20] marked by buoy R, QR (Priv)	28°08.1'N 91°46.6'W
	(51/02 CG11)					
526	10Ed. 3/23/96 LAST NM 47/02	6/03	Delete Depth 10 fathoms	12°53'S 175°35'W	Platform [L10]	28°49.4'N 92°44.5'W
					Dangerous wreck [K28] (PA)	29°03.5'N 92°49.8'W
Add	Depth 8 fathoms	12°57'S 175°40'W			Platform [L10]	28°03.0'N 94°22.3'W
	(47(4391)99 Taunton)				(NOS; 48-50/02 CG8; NTM0002/2003)	
530	30Ed. 3/23/02 LAST NM 52/02	6/03	Add Dashed-line circle with legend "Obstn (cov 382fms rep)" (PA)	32°06'N 126°55'W	1117A Ed. 4/6/02 LAST NM 1/03	6/03
					Add Platform [L10]	28°03.0'N 94°22.3'W
	Dashed-line circle with legend "Obstn (cov 266fms)"				(49/02 CG8)	
	(51/02 CG11)					
541	2Ed. 12/18/76 LAST NM 15/01	6/03	Substitute Depth 8½ fathoms for 10 fathoms	12°57'S 175°40'W	11004 7Ed. 10/29/94 LAST NM 5/03	6/03
	(47(4391)99 Taunton)				Add Dangerous wreck [K28] (PA)	29°03.5'N 92°49.8'W
550	7Ed. 2/9/85 LAST NM 45/02	6/03	Delete Racon from light	20°10'N 110°41'E	Submarine pipeline [L40.1] between	27°58.2'N 90°41.0'W
	(9(134)02 Tianjin)					28°00.4'N 90°40.7'W
601	(INT 601) 4Ed. 11/4/95 LAST NM 14/02	6/03	Delete Submarine cable between	34°02'S 151°31'E	Submarine pipeline [L40.1] joining	27°47.7'N 90°38.9'W
				34°03'S 151°42'E		27°50.4'N 90°40.2'W
	Submarine cable between					27°55.6'N 90°41.3'W
				33°56'S 151°23'E		27°58.9'N 90°40.9'W
	Submarine cable between			33°58'S 151°44'E		28°00.0'N 90°41.7'W
					Submarine pipeline [L40.1] between	27°51.8'N 90°32.4'W
	(24(761)02 Wollongong)					28°00.0'N 90°36.5'W
602	(INT 602) 6Ed. 2/3/96 LAST NM 47/02	6/03	Delete Submarine cable between	34°02'S 151°31'E	Platform [L10]	27°46.8'N 90°31.2'W
				34°03'S 151°42'E	Submarine pipeline [L40.1] joining	27°46.8'N 90°31.2'W
	Submarine cable between					27°48.5'N 90°29.8'W
				33°56'S 151°23'E		27°52.9'N 90°29.8'W
	Submarine cable between			33°58'S 151°44'E		27°54.8'N 90°33.0'W
					Submarine pipeline [L40.1] joining	28°00.0'N 90°36.5'W
	(24(761)02 Wollongong)					
605	(INT 605) 4Ed. 8/26/95 LAST NM 12/02	6/03	Delete Depth 18 meters	12°56'S 175°36'W	Platform [L10]	27°59.6'N 90°19.5'W
			Depth 393 meters	12°57'S 175°42'W	Submarine pipeline [L40.1] joining	27°41.5'N 90°16.5'W
Add	Depth 16 meters	12°57'S 175°40'W				27°44.5'N 90°19.0'W
	(47(4391)99 Taunton)					27°46.3'N 90°19.4'W
622	9Ed. 2/10/96 LAST NM 47/02	6/03	Delete Depth 10 fathoms	12°53'S 175°39'W		27°57.5'N 90°31.6'W
						27°58.1'N 90°33.9'W
Add	Depth 8 fathoms	12°57'S 175°40'W				28°00.0'N 90°36.5'W
	(47(4391)99 Taunton)				Submarine pipeline [L40.1] joining	27°57.5'N 90°08.9'W
						27°59.4'N 90°11.2'W
						28°00.0'N 90°11.4'W
1115A	Ed. 10/02 LAST NM 5/03	6/03	Add Dashed-line circle "Obstn"	29°00.5'N 87°58.6'W	(NOS; 48, 49/02 CG8; US CH 11340)	
	Platform [L10]			28°23.5'N 89°27.2'W		
	(48, 50/02 CG8)				11006 30Ed. 4/20/02 LAST NM 2/03	6/03
1116A	Ed. 11/02 LAST NM 5/03	6/03	Delete Danger circle "Obstn" (PA)	28°49.0'N 91°15.0'W	Add Dashed-line circle "Obstn"	29°00.5'N 87°58.6'W
					(50/02 CG8)	
					11009 36Ed. 10/20/01 LAST NM 51/02	6/03
					Add Danger circle "Obstns (Research buoys)"	
						33°59.7'N 77°21.1'W
					Note: Surface and submerged buoys may be present	
					Danger circle "Obstns" [K40]	27°55.5'N 80°15.5'W
					Danger circle "Obstns" [K40]	27°54.3'N 80°13.3'W
					Danger circle "Obstns" [K40]	27°55.1'N 80°12.3'W
					(NOS; 50/02 CG5)	

SECTION I

11013	44Ed. 1/19/02 LAST NM 50/02 Add Danger circle "Obstns" [K40] Danger circle "Obstns" [K40] Danger circle "Obstns" [K40] (NOS)	6/03 27°55.5'N 80°15.5'W 27°54.3'N 80°13.3'W 27°55.1'N 80°12.3'W	Add 	Legend to "40 FT AUG 2002" (See 21, 37/02-11326) (Page C) Legend "ONE WAY (see note K)"	29°40'58"N 95°00'23"W 29°22'24"N 94°47'34"W
★11300	38Ed. 4/6/02 LAST NM 1/03 Add Platform [L10] (49/02 CG8)	6/03 28°03.0'N 94°22.3'W		Note "NOTE K An alternate route for vessels transiting between the Intracoastal Waterway and the Houston Ship Channel is marked by aids from Bolivar Peninsula Buoy 20 to Houston Ship Channel Light 28. The route is intended to be one way only and should be used only by those vessels transiting northbound from the Intracoastal Waterway to the Houston Ship Channel. Southbound traffic is requested to proceed south to Houston Ship Channel Lighted Buoy 26, and then turn east to Bolivar Point. Houston Traffic requests that all vessels proceeding northbound in the alternate route conduct a securite broadcast of their intentions prior to entering into Houston Ship Channel."	29°20'12"N 94°56'26"W
11305	1Ed. 10/2/99 LAST NM N1/03 Change Legend to "15 1/2 FT X 100 FT JUN 2002"	N6/03 27°50'35.9" N 97°13'48.6" W			
	(Plan) Change Legend to "15 1/2 FEET BY 100 FEET JUN 2002" (NOS)	27°50'34.5" N 97°13'49.8" W			
11309	36Ed. 1/12/02 LAST NM 1/03 Change Legend to "15 1/2 FT X 100 FT JUN 2002"	6/03 27°50'46"N 97°13'37"W (NOS)	(NOS)		
11312	3Ed. 10/20/01 LAST NM 1/03 Change Legend to "15 1/2 FT X 100 FT JUN 2002"	6/03 27°50'37"N 97°13'49"W (NOS)			
11318	1Ed. 10/2/99 LAST NM N46/02 Change Legend to "15 1/2 FT X 100 FT JUN 2002"	N6/03 27°50'34.8" N 97°13'52.0" W (NOS)			
★11323	59Ed. 3/30/02 LAST NM 1/03 Delete Platform Add Platform [L10] (50/02 CG8)	6/03 29°27'24"N 94°17'32"W 29°05'37"N 94°23'09"W			
★11324	32Ed. 3/16/02 LAST NM 1/03 Add Legend "ONE WAY (see note J)"	6/03 29°22'16.6" N 94°47'47.2" W			
	Note "NOTE J An alternate route for vessels transiting between the Intracoastal Waterway and the Houston Ship Channel is marked by aids from Bolivar Peninsula Buoy 20 to Houston Ship Channel Light 28. The route is intended to be one way only and should be used only by those vessels transiting northbound from the Intracoastal Waterway to the Houston Ship Channel. Southbound traffic is requested to proceed south to Houston Ship Channel Lighted Buoy 26, and then turn east to Bolivar Point. Houston Traffic requests that all vessels proceeding northbound in the alternate route conduct a securite broadcast of their intentions prior to entering into Houston Ship Channel."	29°22'49.0" N 94°45'23.0" W (NOS)			
★11325	34Ed. 2/16/02 LAST NM 4/03 Delete Purple dashed line between Add Purple dashed line (pipeline area boundary) [L40.2] between Depth 23 feet Depth 15 feet Obstn [K41] Depth 27 feet Obstn [K41]	6/03 29°43'55.2" N 95°07'33.8" W 29°44'21.3" N 95°07'36.8" W 29°43'55.5" N 95°07'39.4" W 29°44'25.0" N 95°07'40.0" W 29°44'12.4" N 95°12'19.3" W 29°44'23.9" N 95°07'06.6" W 29°44'21.7" N 95°07'01.3" W (NOS)			
11326	30Ed. 11/18/00 LAST NM 1/03 (Page A, Inset 1) Change Legend to "36 FT FOR WIDTH OF 300 FT AUG 2002"	6/03 29°40'58"N 94°59'33"W			
	(Side A) Change Legend to "34 FT OCT 2002" (Side B) Delete Depth 29 feet Change Legend to "34 FT OCT 2002" Legend to "39 FT AUG 2002" Add Depth 37 feet (Side B, Inset 1) Change Legend to "39 FT AUG 2002" Legend to "37 FT AUG 2002"	30°06'09"N 93°18'45"W 30°06'30"N 93°17'23"W 30°06'21"N 93°18'25"W 30°06'26"N 93°17'13"W 30°06'20.8"N 93°17'21.5"W 30°10'54.4"N 93°18'27.0" W 30°11'28.5"N 93°17'55.9" W			

(continued on next page)

SECTION I

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11347	(Continued)				Solid line (range line) between 27°47'09"N 82°31'03"W 27°47'03"N 82°31'20"W
	Legend to "35 FT AUG 2002"	30°12'36.2"N 93°16'45.8"W	(NOS)		
	Legend to "31 FT AUG 2002"	30°13'24.0"N 93°16'41.7"W			
	Legend to "28 FT AUG 2002"	30°13'19.7"N 93°16'35.5"W			
	Legend to "32 FT AUG 2002"	30°12'43.6"N 93°15'27.9"W			
	Legend to "31 FT AUG 2002"	30°13'05.5"N 93°15'03.6"W			
	Legend to "32 FT AUG 2002"	30°13'35.2"N 93°14'39.2"W			
	Legend to "33 FT AUG 2002"	30°13'58.9"N 93°14'44.8"W			
Add (NOS)	Depth 33 feet	30°13'17.8"N 93°16'43.7"W			
11348	19Ed. 8/25/01 LAST NM 23/02 (Side A)		6/03		
Delete	Depth 29 feet	30°06'30"N 93°17'23"W			
Change	Legend to "34 FT OCT 2002"	30°06'21"N 93°18'25"W			
	Legend to "39 FT AUG 2002" (See 23/02-11348)	30°06'22"N 93°17'15"W			
Add (NOS)	Depth 37 feet	30°06'20.8"N 93°17'21.5"W			
★11351	37Ed. 5/12/01 LAST NM 5/03		6/03		
Delete	Platform (See 51/02-11351) (50/02 CG8)	29°02'47"N 91°36'42"W			
★11356	34Ed. 8/4/01 LAST NM 51/02		6/03		
Delete	Dangerous wreck (PA) (Supersedes 45/02-11356)	28°49'00"N 91°15'00"W	(NOS)		
Add	Dangerous wreck [K28] (PA) marked by light Fl R	28°49'30"N 91°15'20"W			
	Stranded wreck [K24] (PA) (48/02 CG8)	28°50'04"N 91°14'50"W			
★11357	35Ed. 6/02 LAST NM 51/02		6/03		
Add	Dangerous wreck [K28] (PA) (49/02 CG8)	28°46'09"N 90°31'03"W			
★11360	40Ed. 10/02 LAST NM 5/03		6/03		
Add	Dashed-line circle "Obstn" Platform [L10] (48, 50/02 CG8)	29°00.5'N 87°58.6'W 28°23.5'N 89°27.2'W			
★11361	69Ed. 1/5/02 LAST NM 51/02		6/03		
Substitute	Depth 23 feet for 30 feet	28°53'29"N 89°26'10"W			
Add	Buoy W Or (Priv) Dangerous wreck [K28] (PA) Depth 31 feet	28°59'19"N 89°04'54"W 28°53'16"N 89°26'08"W 28°53'04"N 89°26'10"W	(NOS)		
Substitute	(Inset Southwest Pass) Depth 23 feet for 30 feet	28°53'28.5"N 89°26'09.9"W			
Add	Dangerous wreck [K28] (PA) Depth 31 feet (NOS; 48/02 CG8)	28°53'16.0"N 89°26'08.0"W 28°53'03.5"N 89°26'09.7"W			
11362	4Ed. 6/10/00 LAST NM N5/03		N6/03		
Add	Dashed-line circle "Obstn" Platform [L10] (48, 50/02 CG8)	29°00.5'N 87°58.6'W 28°23.5'N 89°27.2'W			
★11366	7Ed. 9/02 LAST NM 5/03		6/03		
Add	Platform [L10] Dangerous wreck [K28] (PA) (NOS; 48/02 CG8)	28°23.5'N 89°27.2'W 28°53.3'N 89°26.1'W			
11412	41Ed. 8/02 LAST NM 1/03		6/03		
Add	Dashed line (channel limit) joining	27°46'45"N 82°31'27"W 27°47'00"N 82°31'27"W 27°47'02"N 82°31'44"W	(NOS)		
	Dashed line (channel limit) joining	27°46'44"N 82°31'22"W 27°47'00"N 82°31'22"W 27°47'11"N 82°30'50"W			
★11416	5Ed. 8/02 LAST NM 2/03 Delete	Purple solid line between	6/03	27°47'06.1"N 82°31'41.0"W 27°47'01.5"N 82°31'42.0"W	
		Purple solid line between		27°47'09.2"N 82°31'08.2"W 27°47'02.3"N 82°31'03.6"W	
Add	Dashed line (channel limit) joining			27°46'45.0"N 82°31'25.3"W 27°46'59.8"N 82°31'25.5"W 27°47'02.2"N 82°31'42.0"W	
		Dashed line (channel limit) joining		27°46'32.5"N 82°31'20.4"W 27°46'59.8"N 82°31'20.4"W 27°47'10.3"N 82°30'50.3"W	
		Solid line (range line) joining		27°47'07.7"N 82°32'05.4"W 27°47'01.6"N 82°31'23.1"W 27°47'06.9"N 82°31'07.3"W	
		Purple solid line joining		27°46'59.8"N 82°31'20.2"W 27°46'59.6"N 82°31'23.0"W 27°46'59.8"N 82°31'25.6"W	
		Purple solid line between		27°46'59.6"N 82°31'23.0"W 27°47'03.4"N 82°31'22.9"W	
11428	32Ed. 10/02 LAST NM 52/02 (Side A)		6/03		
Change	Legend to "Obstn (Fish Haven) (auth min depth 23ft)"		(NOS)	27°13'12"N 80°07'35"W	
11439	25Ed. 2/2/02 LAST NM 15/02 Delete		6/03		
	Swept depth 23 feet	24°29'28"N 81°53'38"W			
	Swept depth 17 feet	24°29'07"N 81°54'19"W			
	Swept depth 19 feet Obstn	24°28'44"N 81°54'43"W			
	Swept depth 20 feet	24°27'13"N 81°56'57"W			
	Swept depth 24 feet	24°27'22"N 81°57'07"W			
	Swept depth 24 feet	24°27'12"N 81°57'20"W			
	Swept depth 24 feet	24°27'12"N 81°57'50"W			
	Swept depth 21 feet	24°26'40"N 81°57'33"W			
Add	Depth 24 feet enclosed by dotted-line circle with legend "Co Hd"	24°29'30"N 81°53'39"W			
	Depth 18 feet with legend "Co Hd"	24°29'09"N 81°54'20"W			
★11441	39Ed. 4/28/01 LAST NM 36/02 Delete		6/03		
	Swept depth 23 feet Obstn	24°29'32"N 81°53'28"W			
	Swept depth 23 feet Obstn	24°29'28"N 81°53'37"W			
	Swept depth 17 feet Obstn	24°29'04"N 81°54'18"W			
	Swept depth 19 feet Obstn	24°28'45"N 81°54'42"W			
	Swept depth 24 feet Obstn	24°27'19"N 81°56'55"W			
	Swept depth 20 feet Obstn	24°27'13"N 81°56'56"W			
	Swept depth 24 feet Obstn	24°27'18"N 81°57'03"W			
	Swept depth 24 feet Obstn	24°27'23"N 81°57'07"W			
	Swept depth 24 feet Obstn	24°27'12"N 81°57'19"W			
	Swept depth 24 feet Obstn	24°27'11"N 81°57'50"W			
	Swept depth 26 feet Obstn	24°27'21"N 81°56'59"W			
	Swept depth 21 feet Obstn	24°26'40"N 81°57'32"W			
Add	Depth 24 feet enclosed by dotted-line circle with legend "Co Hd"	24°29'30"N 81°53'38.9"W			
	Depth 18 feet with legend "Co Hd"	24°29'08.7"N 81°54'19.8"W			
	Depth 18 feet with legend "Co Hd"	24°29'05.2"N 81°54'16.4"W			
11442	33Ed. 2/10/01 LAST NM 50/01 Delete		6/03		
	Swept depth 23 feet	24°29'28"N 81°53'38"W			
	Swept depth 17 feet	24°29'04"N 81°54'19"W			
	Swept depth 19 feet Obstn	24°28'46"N 81°54'45"W			

(continued on next page)

SECTION I

11442	(Continued)			
Add	Depth 24 feet enclosed by dotted-line circle with legend "Co Hd"	24°29'30"N 81°53'39"W		Obstruction "(Fish Haven) (auth min depth 8 fathoms 1 foot)" [K46.2] bound by dotted line joining
	Depth 18 feet with legend "Co Hd"	24°29'09"N 81°54'20"W		27°54.8'N 80°13.8'W 27°54.8'N 80°12.8'W 27°53.8'N 80°12.8'W 27°53.8'N 80°13.8'W
(NOS)				
11460	38Ed. 6/02 LAST NM 50/02	6/03		Obstruction "(Fish Haven) (auth min depth 8 fathoms 1 foot)" [K46.2] bound by dotted line joining
Delete	Legend "S Sh"	27°55.2'N 80°12.0'W		27°55.6'N 80°12.8'W 27°55.6'N 80°11.8'W 27°54.6'N 80°11.8'W 27°54.6'N 80°12.8'W
Change	Legend to "Obstn (3 3/4 fms)"	27°12.0'N 80°04.2'W	(NOS)	
Add	Obstruction "(Fish Haven) (auth min depth 8 1/4 fms)" [K46.2] bound by dotted line joining	27°56.0'N 80°16.0'W 27°56.0'N 80°15.0'W 27°55.0'N 80°15.0'W 27°55.0'N 80°16.0'W		
	Obstruction "(Fish Haven) (auth min depth 8 1/4 fms)" [K46.2] bound by dotted line joining	27°54.8'N 80°13.8'W 27°54.8'N 80°12.8'W 27°53.8'N 80°12.8'W 27°53.8'N 80°13.8'W		
	Obstruction "(Fish Haven) (auth min depth 8 1/4 fms)" [K46.2] bound by dotted line joining	27°55.6'N 80°12.8'W 27°55.6'N 80°11.8'W 27°54.6'N 80°11.8'W 27°54.6'N 80°12.8'W		
(NOS)				
★11474	10Ed. 3/25/00 LAST NM 16/02	6/03		
Change	Legend to "Obstn (Fish Haven) (auth min 23ft)" at fish haven in vicinity	27°12'18"N 80°06'00"W	Add	Danger circle "Obstns (Research buoys)"
(NOS)				33°59.7'N 77°21.1'W
				Note: Surface and submerged buoys may be present
			(50/02 CG5)	
★11476	19Ed. 5/12/01 LAST NM 16/02	6/03		
Add	Obstruction "(Fish Haven) (auth min depth 50ft)" [K46.2] bound by dotted line joining	27°56'01"N 80°16'00"W 27°56'01"N 80°15'01"W 27°55'01"N 80°15'01"W 27°55'01"N 80°16'00"W		
	and delete depths within above area			
	Obstruction "(Fish Haven) (auth min depth 50ft)" [K46.2] bound by dotted line joining	27°54'48"N 80°13'46"W 27°54'48"N 80°12'46"W 27°53'49"N 80°12'46"W 27°53'49"N 80°13'46"W		
	and delete depths within above area			
	Obstruction "(Fish Haven) (auth min depth 50ft)" [K46.2] bound by dotted line joining	27°55'37"N 80°12'48"W 27°55'37"N 80°11'48"W 27°54'37"N 80°11'48"W 27°54'37"N 80°12'48"W		
(NOS)	and delete depths within above area			
★11478	19Ed. 4/14/01 LAST NM 49/02	6/03		
Delete	Depth 15 feet	28°24'40.0"N 80°35'26.7"W		
	Depth 35 feet	28°24'37.6"N 80°35'20.9"W		
	(See 31/02-11478)			
Change	Legend to "42 FT AUG 2002"	28°24'31.0" 80°34'32.0"		
(NOS)				
11479	4Ed. 9/27/97 LAST NM N50/02	N6/03		
Delete	Legend "S Sh"	27°55.2'N 80°12.0'W		Dashed line (dredged area limit) [I22] joining
Change	Legend to "Obstn (Fish Haven) (auth min 3 fathoms 4 feet)"	27°12.3'N 80°06.1'W		36°55'37"N 76°19'47"W 36°55'44"N 76°19'48"W 36°55'43"N 76°19'56"W 36°55'50"N 76°20'11"W
Add	Obstruction "(Fish Haven) (auth min depth 8 fathoms 1 foot)" [K46.2] bound by dotted line joining	27°56.0'N 80°16.0'W 27°56.0'N 80°15.0'W 27°55.0'N 80°15.0'W 27°55.0'N 80°16.0'W		
				Dashed line (dredged area limit) [I22] joining
				36°55'37"N 76°20'12"W 36°55'38"N 76°20'03"W 36°55'32"N 76°19'55"W 36°55'27"N 76°19'52"W 36°55'21"N 76°19'52"W 36°55'22"N 76°19'45"W
				and delete all hydrography and blue tint within above limits

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SECTION I

NM 6/03

12222	(Continued)		(Page B, Inset 5)
	Legend "40 FT FEB 2000-JAN 2001"		Relocate Light "1LM" from 38°08'28"N 76°39'00"W to 38°08'23"N 76°39'00"W and delete legend "PA"
	36°55'41"N 76°19'57"W		
	Depth 21 feet	37°05'26"N 76°09'47"W	
	(NOS)		
12225	53Ed. 4/27/02 LAST NM 4/03	6/03	(Page B, Inset 7)
Relocate	Light "1" from 37°49'09"N 76°17'05"W to 37°49'13"N 76°17'05"W		Relocate Light "2" from 38°13'40"N 76°41'38"W to 38°13'36"N 76°41'40"W and delete legend "PA"
	Light "8" from 37°49'08"N 76°17'43"W to 37°49'06"N 76°17'47"W		(50/02 CG5)
★12233	35Ed. 11/02 LAST NM 5/03	6/03	
Relocate	Light "3" from 38°09'29"N 76°26'46"W to 38°09'30"N 76°26'53"W		★12286 29Ed. 11/02 LAST NM 4/03
	(50/02 CG5)		Relocate Light "1LM" from 38°08'28"N 76°39'00"W to 38°08'23"N 76°39'00"W and delete legend "PA"
★12235	29Ed. 12/8/01 LAST NM 4/03	6/03	
Relocate	Light "1" from 37°49'10"N 76°17'05"W to 37°49'13"N 76°17'05"W		Light "2" from 38°13'40"N 76°41'37"W to 38°13'36"N 76°41'40"W
	Light "8" from 37°49'08"N 76°17'44"W to 37°49'06"N 76°17'47"W		(50/02 CG5)
	(50/02 CG5)		
★12245	60Ed. 1/26/02 LAST NM 5/03	6/03	12316 29Ed. 11/02 LAST NM 2/03
Add	Land tint to area bound by shore and solid line [F13] joining 36°55'37.3"N 76°19'45.0"W 36°55'37.3"N 76°19'46.8"W 36°55'21.9"N 76°19'45.1"W 36°55'37.3"N 76°19'43.0"W		(Side A, Inset) Relocate Buoy "CC" from 39°22'43.0"N 74°25'00.0"W to 39°22'43.0"N 74°25'01.7"W (50/02 CG5)
	and delete all hydrography and blue tint within above limits		
	Dashed line (dredged area limit) [I22] joining 36°55'37.3"N 76°19'46.8"W 36°55'43.8"N 76°19'47.6"W 36°55'43.2"N 76°19'55.5"W 36°55'50.0"N 76°20'11.4"W		★12318 40Ed. 2/17/01 LAST NM 45/02
			(Inset) Relocate Buoy "CC" from 39°22'42.8"N 74°25'00.0"W to 39°22'43.0"N 74°25'01.7"W (50/02 CG5)
	Dashed line (dredged area limit) [I22] joining 36°55'37.0"N 76°20'12.4"W 36°55'37.7"N 76°20'02.6"W 36°55'32.1"N 76°19'54.6"W 36°55'27.3"N 76°19'52.2"W 36°55'21.4"N 76°19'51.6"W 36°55'21.9"N 76°19'45.1"W		12354 39Ed. 12/15/01 LAST NM 2/03
	and delete all hydrography and blue tint within above limits		6/03 Add Depth 22 feet Obstn [K41] 41°12'59.8"N 72°54'10.6"W (NOS)
	Legend "40 FT FEB 2000-JAN 2001"		
	36°55'41.0"N 76°19'57.0"W		
	(NOS)		
★12248	39Ed. 2/9/02 LAST NM 5/03	6/03	12363 39Ed. 7/15/00 LAST NM 44/02
Relocate	Light "36" from 37°12'14"N 76°38'52"W to 37°12'13"N 76°38'52"W		6/03 Add Depth 36 feet Obstn [K41] 40°57'10.6"N 73°20'31.6"W (NOS)
	(50/02 CG5)		
★12251	23Ed. 5/12/01 LAST NM 4/03	6/03	12364 33Ed. 2/16/02 LAST NM 4/03
Change	Designation of buoy "67" to "WR67"		(Page A) Add Depth 22 feet Obstn [K41] 41°12'59.8"N 72°54'10.6"W
	37°14'50"N 76°58'45"W		
	(50/02 CG5)		6/03 Add Depth 36 feet Obstn [K41] 40°57'10.6"N 73°20'31.6"W (NOS)
12280	3Ed. 7/02 LAST NM 1/03	6/03	★12365 26Ed. 3/24/01 LAST NM 18/02
Add	Depth 21 feet	37°05.4'N 76°09.8'W	6/03 Add Depth 36 feet Obstn [K41] 40°57'10.6"N 73°20'31.6"W (NOS)
(NOS)			
12285	34Ed. 6/9/01 LAST NM 5/03	6/03	★12371 22Ed. 7/25/92 LAST NM 47/02
	(Page A)		6/03 Add Depth 22 feet Obstn [K41] 41°12'59.8"N 72°54'10.6"W (NOS)
Relocate	Light "3" from 38°09'30"N 76°26'47"W to 38°09'30"N 76°26'53"W		
	Light "1LM" from 38°08'27"N 76°39'00"W to 38°08'23"N 76°39'00"W and delete legend "PA"		
			12372 31Ed. 8/02 LAST NM 5/03
	Light "2" from 38°13'40"N 76°41'38"W to 38°13'36"N 76°41'40"W and delete legend "PA"		(Page B, Inset 1) Relocate Buoy "D" from 41°23'43.5"N 72°05'40.2"W to 41°23'42.5"N 72°05'40.3"W
			Buoy "E" from 41°23'49.5"N 72°05'43.2"W to 41°23'48.8"N 72°05'43.0"W
			Buoy "F" from 41°23'56.6"N 72°05'44.8"W to 41°23'55.9"N 72°05'44.6"W
			Buoy "I" from 41°24'13.2"N 72°05'43.7"W to 41°24'12.5"N 72°05'43.6"W
			(Page E) Add Depth 22 feet Obstn [K41] 41°12'59.8"N 72°54'10.6"W (NOS; 49/02 CG1)
			★13213 39Ed. 9/6/97 LAST NM 45/02
			6/03 Relocate Buoy "D" from 41°23'43.5"N 72°05'40.2"W to 41°23'42.5"N 72°05'40.3"W
			Buoy "E" from 41°23'49.5"N 72°05'43.2"W to 41°23'48.8"N 72°05'43.0"W
			Buoy "F" from 41°23'56.6"N 72°05'44.8"W to 41°23'55.9"N 72°05'44.6"W

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SECTION I

13213	(Continued)			
	Buoy "I" from 41°24'13.2"N 72°05'43.7"W to 41°24'12.5"N 72°05'43.6"W		Depth 2 fathoms 5 feet for 4 fathoms 2 feet 58°20'07"N 154°02'45"W	
	(See 8/02-13213) (49/02 CG1)		Depth 2 fathoms 5 feet for 4 fathoms 58°21'19"N 153°59'58"W	
★13226	5Ed. 8/26/00 LAST NM 44/02 Relocate Buoy "8" from 41°41'08.1"N 71°11'55.8"W to 41°41'07.9"N 71°11'57.2"W (49/02 CG1)	6/03	Depth 3 fathoms 2 feet for 5 fathoms 2 feet 58°21'47"N 153°59'08"W	
★13313	19Ed. 8/28/93 LAST NM 52/02 Relocate Buoy "EB" from 44°13'12"N 68°20'00"W to 44°13'14"N 68°20'01"W (50/02 CG1)	6/03	Add Depth 0 fathom 5 feet 58°23'19"N 153°58'28"W	
★13318	18Ed. 8/02 LAST NM 5/03 Relocate Buoy "14" from 44°26'35"N 68°17'20"W to 44°26'36"N 68°17'22"W (50/02 CG1)	6/03	Depth 1 fathom 5 feet 58°21'51"N 153°58'55"W	
13392	2Ed. 5/4/96 LAST NM 22/01 Relocate Buoy "XK1" from 44°32'36"N 66°39'30"W to 44°32'45"N 66°39'00"W and change designation to "X1" (11(2108)99 Ottawa; Can LL)	6/03	Depth 2 fathoms 2 feet 58°20'26"N 154°02'29.3"W	
★14044	44Ed. 12/24/94 LAST NM 7/01 Relocate Buoy "JA1" from 45°11'13"N 66°08'21"W to 45°11'13"N 66°08'18"W (11(2103)99 Ottawa)	6/03	Depth 2 fathoms 5 feet for 4 fathoms 2 feet 58°20'07.0"N 154°02'45.2"W	
14061	27Ed. 12/24/94 LAST NM 41/01 Relocate Buoy "XK1" from 44°32'36"N 66°39'30"W to 44°32'45"N 66°39'00"W and change designation to "X1" (11(2108)99 Ottawa; Can LL)	6/03	Depth 2 fathoms 5 feet for 4 fathoms 58°21'19.4"N 153°59'58.3"W	
14066	19Ed. 12/24/94 LAST NM 24/01 Add Buoy "PB1" G, spar (5(4210)00 Ottawa)	6/03	Depth 3 fathoms 2 feet for 5 fathoms 2 feet 58°21'47.4"N 153°59'07.7"W	
14067	11Ed. 3/18/95 LAST NM 18/01 Change Light to Fl 4s 13ft 13M (5(4209)00 Ottawa)	6/03	Depth 3 fathoms 2 feet for 5 fathoms 1 foot 58°21'40.7"N 153°59'34.5"W	
14226	32Ed. 3/4/95 LAST NM 40/02 Delete Range lights (2) and range line between 46°49'07"N 71°12'10"W 46°49'50"N 71°10'59"W (3(1315)00 Ottawa)	6/03	Depth 3 fathoms 4 feet for 5 fathoms 3 feet 58°20'56.6"N 154°01'07.6"W	
★14227	28Ed. 3/25/95 LAST NM 40/02 Delete Range lights (2), range line and legend "228½" between 46°49'07"N 71°12'10"W 46°50'25"N 71°10'02"W (3(1315)00 Ottawa)	6/03	Depth 6 fathoms 3 feet for 9 fathoms 58°21'35.7"N 153°59'19.5"W	
14228	11Ed. 3/11/95 LAST NM 40/02 (Panel B) Delete Range lights (2), range line and legend "048½ - 228½" between 46°49'07"N 71°12'10"W 46°50'25"N 71°10'02"W (3(1315)00 Ottawa)	6/03	Add Depth 0 fathom 5 feet 58°23'18.5"N 153°58'27.8"W	
★16006	33Ed. 12/23/00 LAST NM 47/01 Add Dangerous submerged rock [K13] (Inset St. Matthew Island) Delete Depth 15 fathoms Add (NOS) Dangerous submerged rock [K13]	6/03	Depth 1 fathom 2 feet 58°21'23.2"N 154°00'44.9"W	
16576	3Ed. 3/14/98 LAST NM 42/02 Substitute Depth 1 fathom for 2 fathoms 1 foot	6/03	Depth 1 fathom 3 feet 58°20'18.9"N 154°02'46.0"W	
			Depth 1 fathom 5 feet 58°21'50.5"N 153°58'54.6"W	
			Depth 1 fathom 5 feet 58°21'40.0"N 154°00'57.3"W	
			Depth 2 fathoms 5 feet 58°22'31.3"N 153°58'29.9"W	
			Depth 4 fathoms 5 feet 58°21'58.6"N 153°58'01.3"W	
			Depth 4 fathoms 5 feet 58°22'24.7"N 153°58'07.1"W	
			Depth 5 fathoms 5 feet 58°21'47.3"N 153°58'38.1"W	
			(NOS)	
16603	7Ed. 1/4/92 LAST NM 42/02 Substitute Depth 1 fathom for 2 fathoms 1 foot	6/03	Depth 6 fathoms 3 feet for 9 fathoms 58°21'53.3"N 153°59'51.7"W	
			Depth 2 fathoms 2 feet for 4 fathoms 58°20'26.1"N 154°02'29.3"W	
			Depth 2 fathoms 5 feet for 4 fathoms 2 feet 58°20'07.0"N 154°02'45.2"W	
			Depth 2 fathoms 5 feet for 4 fathoms 58°21'19.4"N 153°59'58.3"W	
			Depth 3 fathoms 2 feet for 5 fathoms 2 feet 58°21'47.4"N 153°59'07.7"W	
			Depth 3 fathoms 2 feet for 5 fathoms 1 foot 58°21'40.7"N 153°59'34.5"W	
			Depth 3 fathoms 4 feet for 5 fathoms 3 feet 58°20'56.6"N 154°01'07.6"W	
			Depth 6 fathoms 3 feet for 9 fathoms 58°21'35.7"N 153°59'19.5"W	
16608	3Ed. 1/8/00 LAST NM 14/00 Substitute Depth 1 fathom for 2 fathoms 1 foot	6/03	Add Depth 0 fathom 5 feet 58°23'18.5"N 153°58'27.8"W	
			Depth 1 fathom 2 feet 58°21'23.2"N 154°00'44.9"W	
			Depth 1 fathom 3 feet 58°20'18.9"N 154°02'46.0"W	
			Depth 1 fathom 5 feet 58°21'50.5"N 153°58'54.6"W	
			Depth 1 fathom 5 feet 58°21'40.0"N 154°00'57.3"W	
			Depth 2 fathoms 5 feet 58°22'31.3"N 153°58'29.9"W	
			Depth 4 fathoms 5 feet 58°21'58.6"N 153°58'01.3"W	
			Depth 4 fathoms 5 feet 58°22'24.7"N 153°58'07.1"W	
			Depth 5 fathoms 5 feet 58°21'47.3"N 153°58'38.1"W	
			(NOS)	
16660	28Ed. 9/8/01 LAST NM 42/02 Change Legend to "37 FT SEP 2002" (NOS)	6/03	Depth 6 fathoms 3 feet for 9 fathoms 58°21'36"N 153°59'20"W	
16663	6Ed. 5/12/01 LAST NM 42/02 Change Legend to "37 FT SEP 2002" (NOS)	6/03	Add Depth 0 fathom 5 feet 58°23'19"N 153°58'28"W	
★16665	7Ed. 3/31/01 LAST NM 42/02 Change Legend to "37 FEET FOR A WIDTH OF 1017 FEET SEP 2002" (NOS)	6/03	Depth 1 fathom 5 feet 58°21'51"N 153°58'55"W	
			Depth 1 fathom 5 feet 58°21'40"N 154°00'57"W	
			Depth 3 fathoms 2 feet 58°21'41"N 153°59'35"W	
			Depth 5 fathoms 5 feet 58°21'47"N 153°58'38"W	
			Depth 6 fathoms 3 feet 58°21'36"N 153°59'20"W	
16680	10Ed. 7/10/99 LAST NM 6/02 Substitute Depth 3¾ fathoms for 15 fathoms (NOS)	6/03	Add Depth 0 fathom 5 feet 58°23'19"N 153°58'28"W	
			Depth 1 fathom 2 feet 58°21'23.2"N 154°00'44.9"W	
			Depth 1 fathom 3 feet 58°20'18.9"N 154°02'46.0"W	
			Depth 1 fathom 5 feet 58°21'50.5"N 153°58'54.6"W	
			Depth 1 fathom 5 feet 58°21'40.0"N 154°00'57.3"W	
			Depth 2 fathoms 5 feet 58°22'31.3"N 153°58'29.9"W	
			Depth 4 fathoms 5 feet 58°21'58.6"N 153°58'01.3"W	
			Depth 4 fathoms 5 feet 58°22'24.7"N 153°58'07.1"W	
			Depth 5 fathoms 5 feet 58°21'47.3"N 153°58'38.1"W	
			(NOS)	
16683	9Ed. 1/29/00 LAST NM 3/03 Delete Depth 15 fathoms	6/03	Depth 6 fathoms 3 feet for 9 fathoms 58°23'19"N 153°58'28"W	
			Depth 1 fathom 2 feet 58°21'23.2"N 154°00'44.9"W	
			Depth 1 fathom 3 feet 58°20'18.9"N 154°02'46.0"W	
			Depth 1 fathom 5 feet 58°21'50.5"N 153°58'54.6"W	
			Depth 1 fathom 5 feet 58°21'40.0"N 154°00'57.3"W	
			Depth 2 fathoms 5 feet 58°22'31.3"N 153°58'29.9"W	
			Depth 4 fathoms 5 feet 58°21'58.6"N 153°58'01.3"W	
			Depth 4 fathoms 5 feet 58°22'24.7"N 153°58'07.1"W	
			Depth 5 fathoms 5 feet 58°21'47.3"N 153°58'38.1"W	
			(NOS)	

SECTION I

NM 6/03

17360	32Ed. 9/22/01	LAST NM 1/03	6/03	
Substitute	Dangerous wreck [K28] for stranded wreck (NOS)		56°17.3'N 132°39.6'W	
★17382	14Ed. 4/26/97	LAST NM 1/03	6/03	
Delete	Legend "PA" from light		56°10'45"N 133°01'17"W	
Relocate	Light from 56°18'54"N 133°06'23"W to 56°18'50"N 133°06'24"W			
Substitute	Rock awash [K12] for depth 3 1/4 fathoms Dangerous wreck [K28] for stranded wreck		56°14'48"N 132°58'07"W 56°17'14"N 132°39'34"W	
Add	Position circle "TOWER (CENTER OF THREE)"		56°14'11"N 132°58'52"W	
	Legend "Breakers"		56°14'27"N 132°37'27"W	
	Legend "Breakers"		56°14'57"N 132°36'18"W	
	Rock awash [K12]		56°09'32"N 132°41'52"W	
Add (NOS)	(Inset Steamer Bay) Rock awash [K12]		56°09'32"N 132°41'52"W	
17465	4Ed. 11/4/95	LAST NM 9/01	6/03	
Add	BELL to buoy "E78" (53742)00 Ottawa		53°12'13"N 129°36'24"W	
17471	Ed. 7/9/76	LAST NM N15/02	N6/03	
Delete	Fog signal from light (33711)00 Ottawa		52°38'37"N 128°31'22"W	
17515	7Ed. 7/15/95	LAST NM 12/02	6/03	
Add	Note "PIPELINES"			
	Gas pipelines contain flammable gas under high pressure. Gas from a damaged pipeline could cause an explosion or loss of vessel buoyancy. Pipelines are not always buried and their presence may effectively reduce the charted depth by as much as 2 meters. Where pipelines are close together, only one may be charted. Mariners are advised not to anchor or trawl near a pipeline and so damage it, hence, should not anchor or trawl in the vicinity of pipelines."		49°24'00"N 124°58'00"W (53513)00 Ottawa	
17517	8Ed. 5/6/95	LAST NM 4/02	6/03	
Add	Note "PIPELINES"			
	Gas pipelines contain flammable gas under high pressure. Gas from a damaged pipeline could cause an explosion or loss of vessel buoyancy. Pipelines are not always buried and their presence may effectively reduce the charted depth by as much as 2 meters. Where pipelines are close together, only one may be charted. Mariners are advised not to anchor or trawl near a pipeline and so damage it, hence, should not anchor or trawl in the vicinity of pipelines."		49°34'00"N 123°33'00"W (53513)00 Ottawa	
17520	2Ed. 5/13/95	LAST NM N4/02	N6/03	
Add	Note "PIPELINES"			
	Gas pipelines contain flammable gas under high pressure. Gas from a damaged pipeline could cause an explosion or loss of vessel buoyancy. Pipelines are not always buried and their presence may effectively reduce the charted depth by as much as 2 meters. Where pipelines are close together, only one may be charted. Mariners are advised not to anchor or trawl near a pipeline and so damage it, hence, should not anchor or trawl in the vicinity of pipelines."		49°19'00"N 124°25'00"W (53513)00 Ottawa	
17528	Ed. 12/3/93	LAST NM N43/02	N6/03	
Add	Danger circle "Obstn (Marine farm)" [K46.1] Danger circle "Obstn (Marine farm)" [K46.1] Danger circle "Obstn (Marine farm)" [K46.1]		50°53'03"N 127°29'55"W 50°49'08"N 127°33'25"W 50°48'53"N 127°28'59"W (73549)00 Ottawa	
18000	8Ed. 8/21/93	LAST NM 45/02	6/03	
Add	Dashed-line circle with legend "Obstn (cov 486m)"		33°02'N 121°00'W (51/02 CG11)	
18002	6Ed. 5/13/95	LAST NM N2/03	N6/03	
Change	Height of light on platform to 10M		34°29.0'N 120°41.0'W	
Add	Dashed-line circle with legend "Obstn (cov 266fms)"		33°01.8'N 120°59.8'W (38, 51/02 CG11)	
18005	4Ed. 9/20/97	LAST NM N34/02	N6/03	
Change	Light on platform to Fl 6s 60ft 10M Racon		34°28.0'N 120°41.0'W	
	Legend to "Subm buoy (cov 793fms rep)"		36°40.0'N 122°22.5'W	
	Legend to "Subm buoys (cov 382fms rep)" (PA) (See N6/02-18005)		32°06.4'N 126°54.5'W	
Add	Dashed-line circle with legend "Obstn (cov 266fms)"		33°01.8'N 120°59.8'W (38, 51/02 CG11)	
18006	3Ed. 8/23/97	LAST NM N23/00	N6/03	
Change	Light on platform to Fl 6s 60ft 10M Racon		34°28.2'N 120°41.0'W	
Add	Dashed-line circle with legend "Obstn (cov 266fms)"		33°01.8'N 120°59.8'W (38, 51/02 CG11)	
18009	2Ed. 8/12/95	LAST NM N34/02	N6/03	
Change	Legend to "Subm buoy (cov 793fms rep)"		36°40.0'N 122°22.5'W	
Add	Dashed-line circle with legend "Obstn (cov 260fms)"		36°46.3'N 121°57.8'W	
	Dashed-line circle with legend "Obstn (cov 363fms)"		36°46.8'N 122°00.8'W	
	Dashed-line circle with legend "Obstn (cov 363fms)"		36°43.0'N 122°00.8'W (51/02 CG11)	
18010	20Ed. 2/10/01	LAST NM 40/02	6/03	
Change	Legend to "Obstn Subm buoy 793fms rep"		36°40.0'N 122°22.5'W	
Add	Dashed-line circle with legend "Obstn (cov 260fms)"		36°46.3'N 121°57.8'W	
	Dashed-line circle with legend "Obstn (cov 363fms)"		36°46.8'N 122°00.8'W	
	Dashed-line circle with legend "Obstn (cov 363fms)"		36°43.0'N 122°00.8'W (51/02 CG11)	
★18020	36Ed. 1/27/01	LAST NM 45/02	6/03	
Change	Light on platform to Fl 6s 60ft 10M RACON (--)		34°28.2'N 120°40.0'W	
	Legend to "Obstn Subm buoy (793fms rep)"		36°40.0'N 122°22.5'W	
	Legend to "Subm buoys (cov 382fms rep)" (PA) (See 6/02-18020)		32°06.4'N 126°54.5'W	
Add	Dashed-line circle with legend "Obstn (cov 266fms)"		33°01.8'N 120°59.8'W (38, 51/02 CG11)	

★18022	33Ed. 1/26/02 LAST NM 45/02 Change Light on platform to Fl 6s 60ft 10M Racon (--)	6/03 34°28.8'N 120°41.0'W Legend to "Obstn Subm buoy (793fms rep)" 36°40.0'N 122°22.5'W	★18460	11Ed. 12/02 LAST NM 2/03 Delete Range beacon, rear and range line between 48°10.0'N 123°57.6'W 48°12.0'N 123°57.6'W (35/02 CG13)	6/03
Add	Dashed-line circle with legend "Obstn (cov 260fms)" Dashed-line circle with legend "Obstn (cov 363fms)" Dashed-line circle with legend "Obstn (cov 363fms)" Dashed-line circle with legend "Obstn (cov 266fms)" (38, 51/02 CG11)	36°46.3'N 121°57.8'W 36°46.8'N 122°00.8'W 36°43.0'N 122°00.8'W 33°01.8'N 120°59.8'W	18480	29Ed. 12/02 LAST NM 2/03 Delete Range beacon, rear and range line between 48°10.0'N 123°57.5'W 48°11.3'N 123°57.5'W (35/02 CG13)	6/03
18400	43Ed. 12/02 LAST NM 2/03 Delete Beacon (35/02 CG13)	6/03 48°10.1'N 123°57.5'W	★18524	33Ed. 2/23/02 LAST NM 4/03 (Left Panel) Add Buoy (mooring) [Q41] 2 FR 10ft (Priv) with legend "Mooring barge" 46°05'24"N 122°55'48"W (28/02 CG13)	6/03
★18403	21Ed. 4/8/95 LAST NM 4/02 Delete Light Light (4/3313)0 Ottawa	6/03 49°09'44"N 123°55'33"W 49°09'50"N 123°55'37"W	★18584	47Ed. 8/25/01 LAST NM 4/03 Delete Light "2A" Add Position circle "HORN (May 20 to Sept 30)" 43°39'58.7"N 124°13'09.8"W Light "2A" Fl R 2.5s 15ft 4M 43°39'57.8"N 124°13'07.0"W (28/02 CG13)	6/03
★18430	7Ed. 4/27/02 LAST NM 28/02 Delete Light (FR) (31/02 CG13)	6/03 48°34'16"N 122°52'59"W	★18587	68Ed. 8/25/01 LAST NM 4/03 Delete Buoy (mooring) "SB" Relocate Buoy "4" from 43°21'13"N 124°20'22"W to 43°21'14.9"N 124°20'25.7"W Add Buoy (mooring) [Q41] "SB" Fl Y 4s (Priv) 43°24'12.0"N 124°16'30.0"W (28, 35/02 CG13)	6/03
18434	4Ed. 4/27/96 LAST NM 48/02 Delete Light (FR) (31/02 CG13)	6/03 48°34'15"N 122°52'59"W	18649	62Ed. 8/11/01 LAST NM 4/03 Delete Light "4" Add Buoy "4" R, Fl R 2.5s 37°51'41"N 122°26'46"W	6/03
18441	42Ed. 5/1/02 LAST NM 39/02 Change Visibility (range) of light "3" to 7M	6/03 47°40'38"N 122°24'44"W	18652	31Ed. 9/29/01 LAST NM 4/03 (Page B, Inset 5) Delete Light "4" Add Buoy "4" R, Fl R 2.5s 37°51'41"N 122°26'50"W (46/02 CG11)	6/03
Add	Light "1" FG 8ft (Priv) Light 2 Fl Y 4s 30ft (Priv) (28, 35/02 CG13)	48°01'12"N 122°19'17"W 47°48'49"N 122°23'10"W	★18653	9Ed. 9/30/00 LAST NM 4/03 Delete Light "4" Add Buoy "4" R, Fl R 2.5s 37°51'40"N 122°26'46"W (46/02 CG11)	6/03
18443	15Ed. 6/21/97 LAST NM 39/02 Add Light "1" FG 8ft (Priv) (28/02 CG13)	6/03 48°01'12"N 122°19'17"W	★18680	30Ed. 3/3/01 LAST NM 15/02 Change Legend to "Obstn Subm buoy 793fms rep" 36°40.0'N 122°22.5'W	6/03
18445	29Ed. 2/24/01 LAST NM 39/02 (Page A) Change Visibility (range) of light "3" to 7M	6/03 47°40'38"N 122°24'44"W	Add	Dashed-line circle with legend "Obstn (cov 260fms)" Dashed-line circle with legend "Obstn (cov 363fms)" Dashed-line circle with legend "Obstn (cov 363fms)" (51/02 CG11)	36°46.3'N 121°57.8'W 36°46.8'N 122°00.8'W 36°43.0'N 122°00.8'W
Add	Light 2 Fl Y 4s 30ft (Priv)	47°48'49"N 122°23'10"W	18685	31Ed. 5/16/98 LAST NM 25/02 Add Dashed-line circle with legend "Obstn (cov 260fms)" Dashed-line circle with legend "Obstn (cov 363fms)" Dashed-line circle with legend "Obstn (cov 363fms)" (51/02 CG11)	36°46'18"N 121°57'48"W 36°46'49"N 122°00'48"W 36°43'00"N 122°00'48"W
Add	(Page B, Inset 6) Period 4s to light "3" Period 4s to light "4" (28, 31, 35/02 CG13)	47°16'19"N 122°24'05"W 47°16'16"N 122°24'10"W			
18446	15Ed. 4/18/98 LAST NM 8/02 Change Visibility (range) of light "3" to 7M	6/03 47°40'38"N 122°24'44"W			
Add	Light 2 Fl Y 4s 30ft (Priv) (28, 35/02 CG13)	47°48'49"N 122°23'10"W			
★18447	26Ed. 1/25/97 LAST NM 52/02 (Side A) Relocate Buoy "6" from 47°40'25.9"N 122°24'39.8"W to 47°40'25.4"N 122°24'38.5"W (35/02 CG13)	6/03 47°40'25.4"N 122°24'38.5"W			
★18453	23Ed. 10/23/99 LAST NM 38/02 Add Period 4s to light "3" Period 4s to light "4" (See 32/01-18453) (31/02 CG13)	6/03 47°16'19"N 122°24'05"W 47°16'16"N 122°24'10"W			

SECTION I

NM 6/03

★18700	21Ed. 7/29/00 LAST NM 4/03 Relocate Superbuoy ODAS "46011" from 34°52.7'N 120°52.3'W to	6/03 34°52.9'N 120°52.5'W	Change	(Plan) Visibility (range) of range light, front to 9M 17°57'06.1"N 102°10'05.0"W
	Change Light on platform to Fl 6s 60ft 10M Racon (--) (38, 51/02 CG11)	34°28.2'N 120°40.8'W		Visibility (range) of range light, rear to 9M 17°57'07.9"N 102°10'04.0"W
18720	31Ed. 7/29/00 LAST NM 4/03 Change Light on platform to Fl 6s 60ft 10M Racon (--) (38, 52/02 CG11)	6/03 34°28.2'N 120°41.0'W		Visibility (range) of range light, front to 9M 17°56'17.0"N 102°11'10.8"W
	Add Legend "3 1/4fms rep (2002)" to dangerous wreck (See 4/03-18720) (38, 52/02 CG11)	34°09.9'N 119°15.9'W	(Mex LL)	Range light, rear to Iso 2s 20m 9M 17°56'22.6"N 102°11'20.4"W
18721	11Ed. 7/8/00 LAST NM 35/02 Change Light on platform to Fl 6s 60ft 10M Racon (--) (38/02 CG11)	6/03 34°28'09"N 120°40'55"W		Visibility (range) of light to 5M 17°55'33.5"N 102°09'46.6"W
★18723	3Ed. 11/22/97 LAST NM 8/02 Change Light on platform to Fl 6s 18m 10M Racon (38/02 CG11)	6/03 34°28'09"N 120°40'54"W		Visibility (range) of light to 5M 17°55'20.5"N 102°09'50.5"W
★18725	26Ed. 10/11/97 LAST NM 4/03 Delete Dangerous wreck (Supersedes 4/03-18725) (52/02 CG11)	6/03 34°09'54"N 119°15'54"W		
	Add Depth 3 fathoms 2 feet Wk [K26] "Rep (2002)" (52/02 CG11)	34°09'57"N 119°15'58"W	(Mex LL)	
★18740	39Ed. 7/28/01 LAST NM 5/03 Relocate Superbuoy ODAS "46047" from 32°26.0'N 119°32.0'W to (51/02 CG11)	6/03 32°25.5'N 119°31.5'W		
18749	38Ed. 12/1/01 LAST NM 5/03 Delete Buoy "A" (52/02 CG11)	6/03 33°44'22"N 118°12'40"W		
★18751	42Ed. 12/1/01 LAST NM 5/03 Delete Buoy "A" Buoy "B" (52/02 CG11)	6/03 33°44'22"N 118°12'40"W 33°45'00"N 118°13'05"W		
18760	6Ed. 9/5/98 LAST NM N50/02 Change Visibility (range) of light on platform to 10M (38, 51/02 CG11)	N6/03 34°28.2'N 120°40.8'W		
	Add Dashed-line circle with legend "Obstn (cov 266fms)" (38, 51/02 CG11)	33°01.8'N 120°59.8'W		
21017	50Ed. 3/16/85 LAST NM 5/03 Change Light to Fl(3) 12s 18m 10M (Mex LL)	6/03 18°43.3'N 110°56.7'W		
21020	42Ed. 10/17/81 LAST NM 5/03 Change Visibility (range) of light to 18M Visibility (range) of light to 18M Visibility (range) of light to 9M Visibility (range) of light to 15M Visibility (range) of light to 9M Visibility (range) of light to 10M Visibility (range) of light to 10M (Mex LL)	6/03 18°19.5'N 103°29.5'W 18°03.6'N 102°44.9'W 17°40.7'N 101°40.0'W 17°37.0'N 101°33.0'W 17°35.5'N 101°33.5'W 17°23.0'N 101°09.0'W 17°16.1'N 101°03.2'W	Add	
21384	3Ed. 9/17/88 LAST NM 23/02 Change Range light, rear to Iso 2s 20m 9M Visibility (range) of range light, front to 9M Visibility (range) of light to 5M Visibility (range) of light to 5M	6/03 17°56'23"N 102°11'20"W 17°56'17"N 102°11'11"W 17°55'34"N 102°09'47"W 17°55'21"N 102°09'51"W		(continued on next page)

SECTION I

22138	(Continued)			
	Submarine pipeline [L40.1] between		Legend "B" Legend "C" (12(126)02 Callao)	12°03'45.0"S 77°09'57.0"W 12°03'49.5"S 77°09'49.5"W
	7°41'24.8"S 79°26'02.8"W 7°41'20.6"S 79°26'30.1"W			
	Submarine pipeline [L40.1] between		10/12/02 LAST NM 48/02	6/03
	7°41'31.3"S 79°26'02.9"W 7°41'22.0"S 79°26'25.2"W	Delete	Purple dashed line between	12°02'25"S 77°09'20"W 12°02'22"S 77°09'40"W
	Submarine pipeline [L40.1] between		Legend "No 4" Note: Legend "No 3" applies to entire area	12°02'30"S 77°09'33"W
	7°41'31.3"S 79°26'02.9"W 7°41'23.0"S 79°26'26.7"W	Change	Note to "ANCHORAGE AREAS"	
	Submarine pipeline [L40.1] between		1. Merchant vessels - General cargo 2. Fishing vessels and factory ships greater than 350 grt 3. Fishing vessels greater than 10 grt up to 350 grt 4. Harbor vessels (barges, tugboats, and lighters) 5. Inoperative merchant and naval vessels 6. Fishing vessels in general 7. Nuclear powered vessels and all vessels transporting radioactive materials 8. Hazardous cargo and oil and gas tankers 9. Pilot vessels 10. Ship breaking, salvage and repair 11. Safety, isolation and quarantine 12. Lightering	
	7°41'37.1"S 79°26'05.0"W 7°41'29.3"S 79°26'27.5"W			
	Buoy (mooring) [Q40]	7°41'04.8"S 79°26'26.0"W		
	Buoy (mooring) [Q40]	7°41'08.7"S 79°26'34.4"W		
	Buoy (mooring) [Q40]	7°41'11.4"S 79°26'27.8"W		
	Buoy (mooring) [Q40]	7°41'16.7"S 79°26'26.9"W		
	Buoy (mooring) [Q40]	7°41'20.6"S 79°26'30.1"W		
	Buoy (mooring) [Q40]	7°41'22.0"S 79°26'25.2"W		
	Buoy (mooring) [Q40]	7°41'23.0"S 79°26'26.7"W		
	Buoy (mooring) [Q40]	7°41'29.3"S 79°26'27.5"W		
	(12(119)02 Callao)			
22170	3Ed. 8/4/01 LAST NM 39/02	6/03		
Add	Light Fl(2) 10s 18m 9M (NTM0004/2003)	13°01.8"S 76°29.4"W		
22172	8Ed. 10/12/02 LAST NM 4/03	6/03		
Delete	Purple dashed line between	12°02'24.8"S 77°09'20.1"W 12°02'21.8"S 77°09'40.0"W		
	Legend "No 4"	12°02'32.2"S 77°09'32.0"W		
	Note: Legend "No 3" applies to entire area			
	Legend "C"	12°03'48.9"S 77°09'55.0"W		
Change	Note to "ANCHORAGE AREAS"		A-E Small craft and vessels of local authorities"	11°56'00"S 77°02'00"W
	1. Merchant vessels - General cargo 2. Fishing vessels and factory ships greater than 350 grt 3. Fishing vessels greater than 10 grt up to 350 grt 4. Harbor vessels (barges, tugboats, and lighters) 9. Pilot vessels 12. Lightering		Legend to "No 4" Legend to "No 5" Legend to "No 6" Legend to "No 7" Legend to "No 8" Legend to "No 10" Legend to "A-E"	12°01'40"S 77°09'20"W 12°00'47"S 77°10'00"W 11°59'47"S 77°08'38"W 11°59'30"S 77°10'36"W 12°00'33"S 77°11'24"W 12°01'00"S 77°08'54"W 12°03'43"S 77°09'50"W
	Anchorages 5-8 and 10-11 are further north. See chart 22173		Add	"Emergency Anchorage" area [N12.2] bound by purple dashed line joining
	Small craft and vessels of local authorities			11°59'13"S 77°13'55"W 11°59'58"S 77°13'55"W 11°59'58"S 77°13'02"W 11°59'13"S 77°13'02"W
	A. Naval Center of Peru recreational craft B. Recreational craft C. Yacht club anchorage			Anchorage area "No 12" [N12.2] bound by purple dashed line joining
	D. Peru Sea Institute and Merchant Marine Academy			12°00'40"S 77°13'19"W 12°01'41"S 77°13'29"W 12°01'50"S 77°12'31"W 12°00'48"S 77°12'21"W
	E. Hydrographic vessels			(12(126)02 Callao)
	F. Barges, scows and lighters			
	G. Small craft up to 2 grt"	12°01'36.0"S 77°08'06.0"W		
	Legend to "No 4"	12°01'45.8"S 77°09'26.2"W		
	Legend to "D"	12°03'43.3"S 77°09'44.0"W		
	Legend to "E"	12°03'39.2"S 77°09'31.5"W		
	Legend to "F"	12°03'36.2"S 77°09'06.0"W		
Add	Anchorage area "No 12" [N12.2] bound by purple dashed line joining	12°01'18.5"S 77°13'25.1"W 12°01'41.0"S 77°13'28.6"W 12°01'50.0"S 77°12'31.0"W 12°01'18.5"S 77°12'25.9"W	Relocate	Position circle "Tr" Position circle "Tr" Position circle "Tr"
	Note: Area extends beyond chart border			32°07'48"S 52°05'22"W 32°07'48"S 52°05'34"W 32°07'49"S 52°06'21"W
	Anchorage area "G" [N12.2] bound by purple dashed line joining	12°03'44.3"S 77°09'15.3"W 12°03'45.5"S 77°09'14.0"W 12°03'48.0"S 77°09'16.5"W 12°03'46.8"S 77°09'17.8"W		Dashed line with legend "OVHD PWR CAB" [D26] joining above position circles
	Purple dashed line between	12°03'53.4"S 77°10'03.4"W 12°03'43.7"S 77°09'47.7"W		(15(96)02 Rio de Janeiro)
	Purple dashed line between	12°03'48.9"S 77°09'55.2"W 12°03'55.8"S 77°09'50.7"W		
	Legend "A"	12°03'54.0"S 77°09'57.0"W		

SECTION I

NM 6/03

24142	43Ed. 3/27/93 LAST NM 5/03 Delete Range light, front, range line and legend "Lts...057°00'" between 23°59'05"S 46°18'37"W 23°59'55"S 46°20'01"W	6/03	Change Light to Fl(4) G 15s 24m 16M (21(19)00 Brest; Fr LL)	51°02'16"N 2°09'49"E
	Change Light to F WRG 13m with sectors red 053°-057°, white-058°, green-062° 23°59'05"S 46°18'37"W (20(142)02 Rio de Janeiro)		37125 15Ed. 8/24/96 LAST NM 49/02 Delete Horn from light	6/03 51°03'34"N 2°21'14"E
24162	9Ed. 8/3/96 LAST NM 42/02 Delete Buoy (mooring) "1" (20(140)02 Rio de Janeiro)	6/03 22°54'20"S 43°09'18"W	Change Light to Fl(4) G 15s 24m 16M (21(19)00 Brest; Fr LL)	51°02'14"N 2°09'45"E
24170	14Ed. 6/21/97 LAST NM 5/03 Add Depth 8.1 meters Rk (15(95)02 Rio de Janeiro)	6/03 20°56.8'S 40°46.3'W	37127 11Ed. 1/18/86 LAST NM 4/03 Delete HORN from light HORN from light	6/03 51°03.38'N 2°21.50"E 51°03.63'N 2°21.28'E (21(19)00 Brest; Fr LL)
24171	19Ed. 5/4/96 LAST NM 5/03 Add Position circle "CHIMNEY" (22(152)02 Rio de Janeiro)	6/03 20°16'40.4"S 40°14'27.2"W	37129 6Ed. 5/31/97 LAST NM 4/03 Delete HORN from light HORN from light	6/03 51°03'34.2"N 2°21'13.6"E 51°03'24.0"N 2°21'30.0"E (21(19)00 Brest; Fr LL)
24172	4Ed. 3/23/96 LAST NM 5/03 Add Position circle "CHIMNEY" Position circle Position circle Legend "CHIMNEYS" (22(152)02 Rio de Janeiro)	6/03 20°16'40"S 40°14'27"W 20°15'10"S 40°13'56"W 20°15'11"S 40°13'48"W 20°15'04"S 40°13'48"W	37140 33Ed. 5/25/96 LAST NM 4/03 Delete Horn from light	6/03 51°03.6'N 2°21.2'E
24251	23Ed. 9/14/96 LAST NM 43/02 Delete Obscured sector 318°-116° from light (Supersedes 43/02-24251) (20(137)02 Rio de Janeiro)	6/03 3°43'34.0"S 38°28'17.5"W	Change Light to Fl(4) G 15s 24m 16M (21(19)00 Brest; Fr LL)	51°02.2'N 2°09.8'E
24252	5Ed. 2/15/97 LAST NM 43/02 Delete Obscured sector 318°-116° from light (Supersedes 43/02-24252) (20(137)02 Rio de Janeiro)	6/03 3°43'34"S 38°28'18"W	37221 13Ed. 2/3/96 LAST NM 36/02 Change Legend to "14.7m" Legend to "14.7m" Legend to "14.7m"	6/03 53°50.6'N 8°02.3'E 53°48.6'N 8°07.3'E 53°46.6'N 8°10.0"E (7(2)99 Hamburg)
24320	4Ed. 4/5/97 LAST NM 43/02 Delete Position circle "Tr" Position circle "Tide Sig Sta" (15(94)02 Rio de Janeiro)	6/03 0°52.8'N 50°01.0'W 1°12.8'N 49°53.2'W	37231 18Ed. 4/5/97 LAST NM 30/02 Delete Buoy (spar) Buoy (spar) Buoy (spar) Buoy (conical)	6/03 53°58'08"N 8°06'42"E 53°58'28"N 8°08'45"E 53°58'54"N 8°11'12"E 53°59'12"N 8°13'12"E
24321	3Ed. 8/3/91 LAST NM 9/99 Delete Position circle "Tr" (15(94)02 Rio de Janeiro)	6/03 0°52'50"N 50°00'56"W	Change Legend to "Maintained depth 14.7m" Legend to "Maintained depth 14.7m" Legend to "Maintained depth 14.6m"	53°50'36"N 8°02'48"E 53°48'24"N 8°07'45"E 53°42'50"N 8°17'30"E (7(2)99 Hamburg)
24322	6Ed. 7/5/97 LAST NM 34/02 Delete Tower symbol and legend "OLD LIGHT (CONSP)" Tower symbol (15(94)02 Rio de Janeiro)	6/03 1°12'47"N 49°53'12"W 0°52'54"N 50°00'55"W	37400 (INT 1803) 10Ed. 3/12/88 LAST NM 46/02 Delete "ANCHORING DREDGING AND TRAWLING PROHIBITED" area in vicinity	6/03 46°08.1'N 1°25.0'W (21(26)00 Brest)
27005	4Ed. 6/1/96 LAST NM 12/02 Add Danger circle "Obstns" [K40] Danger circle "Obstns" [K40] Danger circle "Obstns" [K40] (NOS)	6/03 27°56'N 80°16'W 27°54'N 80°13'W 27°55'N 80°12'W	37401 9Ed. 1/31/98 LAST NM 4/03 Delete "ANCHORING PROHIBITED" area in vicinity	6/03 46°08'06.0" 1°26'00.0"W (21(26)00 Brest)
37032	2Ed. 9/12/98 LAST NM 1/03 Change Light on platform to 4 Mo(U) 10s 27m 5M NAUTO (5(52)00 Cadiz; Spn LL)	6/03 43°30.1'N 2°40.8'W	37461 9Ed. 7/8/00 LAST NM 51/02 (Plan) Add Light Fl(2+1) G 10s 22m 5M with obscured sector 275°-014°	6/03 43°21'44.4"N 3°04'19.8"W
			Light Fl(2) G 8s 22m 5M Light Fl(2+1) G 10s 15m 3M	43°21'30.9"N 3°02'43.4"W 43°21'07.2"N 3°02'43.2"W (5(54)00 Cadiz; Spn CH 3941; Spn LL)
37120	2Ed. 3/22/97 LAST NM 4/03 Delete HORN from light	6/03 51°03.6'N 2°21.2'E	37481 7Ed. 5/27/00 LAST NM 48/02 (Plan A) Add Legend "SEE NOTE"	6/03 43°35'06"N 5°55'18"W
	Change Light to Fl(4) G 15s 24m 16M (21(19)00 Brest; Fr LL)	51°02.2'N 2°09.8'E	Note "NOTE Later date sources indicate extensive dredging has taken place in the Inlet of Aviles. Consult local authorities." (Spn CH 4052)	43°35'00"N 5°56'24"W
37123	9Ed. 8/8/98 LAST NM 49/02 Delete Horn from light Horn from light	6/03 51°03'20"N 2°21'27"E 51°03'34"N 2°21'14"E	42740 5Ed. 7/22/95 LAST NM 41/02 Delete Light	6/03 68°55.1'N 36°50.2'E (22(3216)98 St. Petersburg)

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42742	3Ed. 4/13/96 LAST NM 2/02 Delete Light (22(3216)98 St. Petersburg)	6/03 69°09'09"N 35°55'24"E	44105	2Ed. 1/29/94 LAST NM 5/03 Substitute Depth 4.5 meters for 4.7 meters (10(310), 11(351)99 Norrkoping)	6/03 55°59'59"N 14°44'05"E	
43144	4Ed. 4/19/97 LAST NM 17/02 Add Submarine cable [L30.1] joining	6/03 67°59.4'N 15°38.6'E 67°59.1'N 15°38.5'E 67°59.0'N 15°38.8'E 67°59.3'N 15°44.5'E 67°59.0'N 15°48.2'E 67°58.3'N 15°52.8'E 67°58.0'N 15°53.9'E 67°57.9'N 15°54.5'E 67°57.6'N 15°55.1'E (3(123)99 Stavanger)	44140	8Ed. 7/20/96 LAST NM 1/03 Substitute Depth 7.9 meters Wk for 10.5 meters Wk (27(409)02 Gdynia)	6/03 54°40.9'N 18°38.3'E	
43164	3Ed. 11/23/96 LAST NM 48/02 Add Submarine cable [L30.1] joining	6/03 67°59'24"N 15°38'36"E 67°59'06"N 15°38'30"E 67°59'00"N 15°38'48"E 67°59'18"N 15°44'30"E 67°59'00"N 15°48'12"E 67°58'18"N 15°52'48"E 67°58'00"N 15°53'54"E 67°57'54"N 15°54'30"E 67°57'36"N 15°55'06"E (3(123)99 Stavanger)	44160	7Ed. 4/5/97 LAST NM 5/03 Change Light to Oc(2) WRG (5(187)99 Norrkoping; Swd LL)	6/03 58°47.2'N 17°46.6'E	
43360	21Ed. 1/4/97 LAST NM 28/02 Change Visibility (range) of light to 8-5M	6/03 58°42.8'N 11°09.7'E	44161	2Ed. 6/8/96 LAST NM 2/03 (Panel B) Relocate Range light, rear from 56°39'42"N 16°22'05"E to 56°39'44"N 16°22'07"E and change characteristic to Iso R 4s	6/03	
43384	1Ed. 9/14/91 LAST NM 5/03 Add Submarine cable [L30.1] between	6/03 58°25'06"N 11°16'06"E 58°25'07"N 11°15'59"E (38(1146)98 Norrkoping)	Add Characteristic QR to range light, front 56°39'43"N 16°22'10"E	44165	1Ed. 10/6/90 LAST NM 5/03 Change Light to Oc(2) WRG 12s 10m 10-6M	6/03 58°47'11"N 17°46'48"E
43375	7Ed. 8/22/92 LAST NM 46/02 Change Light to Fl(4) WRG 12s 14m 8-5M	6/03 58°42'49"N 11°09'45"E (38(1147)98 Norrkoping; Swd LL)	Add Buoy R, spar 58°40'50"N 17°08'30"E (5(187), 14(429)99 Norrkoping; Swd LL)	44183	6Ed. 4/19/97 LAST NM 1/03 Add Submarine pipeline [L40.1] joining	6/03 59°21'08"N 18°13'58"E 59°21'08"N 18°14'13"E 59°21'03"N 18°14'31"E 59°20'58"N 18°15'07"E 59°20'51"N 18°15'40"E 59°20'47"N 18°15'47"E (6(209)99 Norrkoping; Swd CH 6142)
44001	2Ed. 10/19/96 LAST NM 1/03 Delete Submarine cable between	6/03 59°23.1'N 24°04.5'E 59°33.5'N 24°44.0'E Submarine cable between 59°04.6'N 22°34.9'E 59°23.1'N 24°04.6'E Submarine cable between 59°56.1'N 22°10.4'E 59°04.6'N 22°34.9'E (4(35-37)99 Tallinn)	44187	2Ed. 2/3/96 LAST NM 5/03 Change Sectors of light to green 090°-101°, red-180°, green-219°, white-233°, red-260°, green-283° 30°, red-295° (Swd LL)	6/03 59°46'19"N 19°00'29"E	
44015	8Ed. 7/22/95 LAST NM 49/02 Delete Submarine cable between	6/03 59°04.6'N 22°28.0'E 59°27.8'N 24°00.0'E Submarine cable between 58°56.1'N 22°10.4'E 59°04.6'N 22°34.9'E (4(36, 37)99 Tallinn)	44223	1Ed. 9/5/92 LAST NM 14/99 Add Buoy G, spar Buoy G, spar (13(412)99 Norrkoping)	6/03 62°17'40"N 17°27'32"E 62°17'40"N 17°27'34"E	
44040	23Ed. 7/20/96 LAST NM 44/02 Add Danger circle "Obstn" (PA) (10(319)99 Norrkoping)	6/03 57°18.9'N 11°54.8'E	44260	7Ed. 7/27/96 LAST NM 5/03 Add Position circle "R Mast (R Lt) (55m)" [E28] (38(1132)98 Norrkoping)	6/03 64°23.9'N 21°29.3'E	
44043	8Ed. 11/30/96 LAST NM 1/03 Add Danger circle "Obstn" (PA) (10(319)99 Norrkoping)	6/03 57°18'54"N 11°54'48"E	44280	9Ed. 7/13/96 LAST NM 2/03 Substitute Beacon BYB, double cone topmark bases together, VQ(3) 5s 12m 3M for buoy (15(321)98 Helsinki)	6/03 65°25.4'N 24°51.5'E	
44044	6Ed. 11/9/96 LAST NM 21/01 Add Danger circle "Obstn" (PA) (10(319)99 Norrkoping)	6/03 57°18.9'N 11°54.8'E	44284	2Ed. 6/29/91 LAST NM 41/02 Add Light Fl G 3s 12m 2M to beacon (15(321)98 Helsinki)	6/03 65°12'41"N 25°04'16"E	
44084	1Ed. 8/25/90 LAST NM 6/02 Change Period of light to 4s Period of light to 4s (39(595)02 Gdynia)	6/03 53°33'07"N 14°35'56"E 53°32'46"N 14°35'59"E (4(37)99 Tallinn)	44319	2Ed. 2/15/97 LAST NM 4/03 Delete Submarine cable between	6/03 58°56.1'N 22°10.4'E 59°04.6'N 24°34.9'E	

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44320	4Ed. 9/21/96 LAST NM 29/02 Delete Submarine cable between (437)99 Tallinn)	58°56.1'N 22°10.4'E 59°04.6'N 22°34.9'E	6/03	Depth 61 meters Wk [K26] Depth 48 meters Wk [K26] (27(409), 39(593)02 Gdynia)	54°34'00"N 18°52'50"E 54°36'56"N 18°50'46"E
44321	6Ed. 9/3/94 LAST NM 40/02 Delete Buoy	59°48'47"N 22°51'21"E	6/03	51081 10Ed. 10/5/96 LAST NM 5/03 Delete Light (13(175)99 Lisboa)	37°44.0'N 25°18.2'W
	Add Beacon Ra Ref (7(107), 13-14(284)98 Helsinki)	59°53'31"N 22°47'56"E			
44340	11Ed. 8/10/96 LAST NM 4/03 Delete Submarine cable between (435)99 Tallinn)	59°23.1'N 24°04.5'E 59°33.5'N 24°44.0'E	6/03	51100 7Ed. 10/22/94 LAST NM 1/03 Add Depth 4.6 meters Depth 3.6 meters Depth 8.7 meters (5(59)00 Cadiz)	42°33.3'N 9°03.3'W 42°32.5'N 9°02.7'W 42°32.3'N 9°03.1'W
44342	8Ed. 4/27/96 LAST NM 41/02 Change Light to UQ(2) WRG 3s 6m 7M	60°07'42.0"N 24°55'40.5"E	6/03	51120 6Ed. 10/1/94 LAST NM 44/01 Add Depth 2.8 meters Rk [K14.2] (7(118)99 Lisboa)	39°30'48"N 9°09'32"W
	Note: Sectors remain unchanged (9(153)98 Helsinki)				
44352	2Ed. 4/27/96 LAST NM 4/03 Delete Submarine cable between (435)99 Tallinn)	59°31'05"N 24°28'01"E 59°33'30"N 24°44'00"E	6/03	51142 2Ed. 7/12/97 LAST NM 38/01 Add "X" topmark to buoy (10(152)99 Lisboa)	38°40.75'N 9°18.60'W
44367	2Ed. 2/5/94 LAST NM 40/02 (Plan A)	6/03		51143 4Ed. 12/15/01 LAST NM 14/02 Add "X" topmark to buoy "Lage" (10(152)99 Lisboa)	38°40'45.0"N 9°18'36.0"W
	Add Submarine pipeline (sewer) [L41.1] joining 60°27'08.4"N 26°56'58.8"E 60°27'07.8"N 26°57'00.6"E 60°27'16.2"N 26°57'14.4"E 60°27'18.6"N 26°57'34.2"E 60°27'30.6"N 26°57'48.6"E			51158 2Ed. 3/30/96 LAST NM 3/00 (Panel C)	6/03
	Submarine pipeline (sewer) [L41.1] joining 60°27'18.6"N 26°57'34.2"E 60°27'13.8"N 26°57'54.6"E 60°27'16.8"N 26°58'08.4"E 60°27'24.6"N 26°58'13.8"E 60°27'33.0"N 26°58'12.6"E 60°27'38.4"N 26°58'22.2"E 60°27'56.4"N 26°58'24.6"E 60°28'04.8"N 26°58'27.6"E 60°28'05.4"N 26°58'32.4"E			Add Double solid line with land tint (bridge) [D22] between 37°20'59.2"N 5°59'37.5"W 37°20'54.6"N 5°59'30.5"W	
	(5-6(78)98 Helsinki; Fin CH 138)			Delete Double solid line, land tint and legend "Puente Alfonso XIII" between 37°22'10.1"N 5°59'27.8"W 37°22'07.8"N 5°59'33.7"W	
44400	4Ed. 9/7/96 LAST NM 4/03 Delete Submarine cable between	58°56.1'N 22°10.4'E 59°07.0'N 22°12.0'E	6/03	51160 20Ed. 9/22/90 LAST NM 4/03 Add Dangerous wreck [K28] Dangerous wreck [K28] (1(57, 58)99 Lisboa)	37°06.1'N 7°31.2'W 37°08.0'N 7°29.3'W
	Submarine cable between	59°07.0'N 22°17.3'E 59°04.6'N 22°34.9'E			
	(437)99 Tallinn)				
44410	4Ed. 2/8/97 LAST NM 4/03 Delete Submarine cable between (437)99 Tallinn)	59°00.0'N 22°10.7'E 58°56.1'N 22°10.4'E	6/03	51261 23Ed. 6/4/94 LAST NM 5/03 Add Fish trap symbol [K44.2] (7(122)99 Lisboa)	32°43.5'N 16°41.3'W
44430	2Ed. 6/22/96 LAST NM 28/02 Substitute Depth 7.9 meters Wk for 10.5 meters Wk	54°40.9'N 18°38.3'E	6/03	51341 23Ed. 5/18/96 LAST NM 48/02 Change Light to Fl G 5s 3M (3(33)00 Cadiz)	28°29'35"N 16°12'40"W
	Add Depth 61 meters Wk [K26] (27(409), 39(593)02 Gdynia)	54°34.0'N 18°52.8'E			
44461	10Ed. 1/11/97 LAST NM 28/02 Substitute Depth 7.9 meters Wk for 10.5 meters Wk	54°40.9'N 18°38.3'E	6/03	52031 1Ed. 2/1/92 LAST NM 31/00 Add Light symbol [P1] (4(45)00 Cadiz)	41°07.9'N 1°23.7'E
	Add Depth 61 meters Wk [K26] Depth 48 meters Wk [K26] (27(409), 39(593)02 Gdynia)	54°34.0'N 18°52.8'E 54°36.9'N 18°50.8'E			
44465	2Ed. 4/23/94 LAST NM 28/02 Substitute Depth 7.9 meters Wk for 10.5 meters Wk	54°40'56"N 18°38'20"E	6/03	52043 21Ed. 7/4/98 LAST NM 46/02 Delete Fish haven symbol Fish haven symbol Legend "Fish Farms" (3(35)00 Cadiz)	36°10'02.0"N 5°22'46.5"W 36°09'58.0"N 5°22'45.0"W 36°10'00.0"N 5°22'42.0"W
	Add Depth 27 meters Wk [K26]	54°35'28"N 18°48'08"E			
52046	21Ed. 10/14/00 LAST NM 50/02 Change Period of light to 5s (Spn LL)			52120 12Ed. 11/14/87 LAST NM 51/02 Delete Purple outline of chart 52127 in vicinity	36°32'42"N 4°36'44"W 41°03.0'N 1°15.0'E

(continued on next page)

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52120	(Continued)			
Add	Light Fl(5) 30s 58m 19M	41°07.9'N 1°23.7'E		43°33'23.1"N 10°17'42.1"E 43°32'10.7"N 10°17'34.9"E 43°32'38.0"N 10°17'34.9"E
Purple outline of chart 52121 joining		40°40.0'N 0°45.7'E 41°03.5'N 0°45.7'E 41°03.5'N 0°58.0'E 41°10.0'N 1°10.0'E 41°10.0'N 1°26.0'E 40°40.0'N 1°26.0'E		and delete hydrography within above limits
(NIMA; 4(45)00 Cadiz; Spn LL)			"Dredged to 13m (2000)" [I22] area bound by above dashed line and dashed line joining	43°33'17.5"N 10°17'26.3"E 43°34'02.1"N 10°18'23.2"E 43°33'59.5"N 10°18'24.0"E 43°33'27.3"N 10°17'42.1"E 43°33'17.5"N 10°17'26.3"E
52121	8Ed. 8/12/95 LAST NM 1/03	6/03		and delete hydrography within above area
Add	Light Fl(5) 30s 58m 19M	41°07'56"N 1°23'41"E	Dashed line joining	43°34'09.2"N 10°18'35.9"E 43°34'12.9"N 10°18'35.1"E 43°34'15.0"N 10°18'28.0"E 43°34'27.3"N 10°18'22.2"E 43°34'27.0"N 10°18'18.8"E
(4(45)00 Cadiz; Spn LL)			(23(1)99, 3(3)00 Genova; Ital CH 62)	
52161	14Ed. 1/7/95 LAST NM 42/01	6/03		
Add	Legend "ASHTART" to platform	34°16'56"N 11°25'17"E		
Legend "CORN0" to platform		34°17'43"N 11°24'18"E		
Platform (lighted) "DELTA" [L10]		34°43'56"N 11°05'37"E		
Platform (lighted) "CERCINA II" [L10]		34°42'56"N 11°06'31"E		
Platform (lighted) "CERCINA III" [L10]		34°41'21"N 11°05'43"E		
(21(22)99 Genova; Ital CH 946)				
53100	16Ed. 11/18/89 LAST NM 51/02	6/03		
Change	Visibility (range) of light to 16M	42°43.6'N 10°14.3'E		
Add	Foul ground symbol [K31]	43°46.8'N 7°41.2'E		
Foul ground symbol [K31]		43°48.5'N 7°54.5'E		
Wreck [K29]		43°49.2'N 7°53.4'E		
Wreck [K29]		43°47.1'N 7°48.9'E		
(21(1), 23(3)99 Genova)				
53107	16Ed. 10/17/98 LAST NM 35/02	6/03		
(Plan B)				
Delete	Legend "Dredged to 12m (1983)"	43°34'29.3"N 10°18'22.0"E		
Legend "Dredged to 12m (1980)"		43°34'02.0"N 10°18'24.8"E		
Dashed line between		43°34'22.8"N 10°18'19.1"E 43°34'23.0"N 10°18'24.2"E		
Dashed line joining		43°34'14.2"N 10°18'30.0"E 43°34'06.8"N 10°18'30.0"E 43°34'02.1"N 10°18'20.9"E		
Dashed line joining		43°34'03.0"N 10°18'22.5"E 43°34'01.7"N 10°18'22.3"E 43°33'54.0"N 10°18'12.5"E 43°33'52.7"N 10°18'14.1"E 43°34'00.0"N 10°18'23.7"E		
Change	Legend to "Dredged to 11.8m (2000)"	43°34'13.5"N 10°18'25.3"E		
Add	Double solid line with land tint (pier) [F14] and legend "Molo Capitaneria" joining	43°33'03.3"N 10°18'09.8"E 43°33'02.8"N 10°18'02.5"E 43°33'02.1"N 10°18'02.5"E 43°33'02.8"N 10°18'09.8"E		
Legend "Molo Elba"		43°32'58.0"N 10°18'08.0"E		
"Dredged to 15m (2000)" [I22] area bound by dashed line joining		43°32'38.0"N 10°17'35.5"E 43°32'38.0"N 10°17'27.8"E 43°32'36.8"N 10°17'27.5"E 43°32'28.5"N 10°16'55.9"E 43°32'24.7"N 10°16'58.2"E 43°32'21.7"N 10°17'09.0"E 43°32'22.5"N 10°17'18.0"E 43°32'31.2"N 10°17'31.0"E 43°32'35.8"N 10°17'35.2"E 43°32'38.0"N 10°17'35.5"E		
and delete hydrography within above area				
"Dredged to 13m (2000)" [I22] area bound by above dashed line and dashed line joining		43°32'38.0"N 10°17'29.3"E 43°33'09.7"N 10°17'30.0"E 43°33'17.5"N 10°17'26.3"E 43°33'27.3"N 10°17'42.1"E		
Note: Anchorage symbol remains			Legend to "No 1A (see Note)" in vicinity	42°28'21"N 27°29'20"E
(continued on next page)			Note: Anchorage symbol remains	

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NM 6/03

55063	(Continued)			
Add	"PROHIB AREA" [N2.2] bound by purple composite line joining	42°27'24"N 27°35'54"E 42°28'05"N 27°35'30"E 42°28'14"N 27°36'04"E 42°27'32"N 27°36'26"E		6/03
	Anchorage area "5A (see Note)" [N12.2] bound by dashed line joining	42°30'00"N 27°32'06"E 42°30'00"N 27°33'12"E 42°29'30"N 27°33'12"E 42°29'30"N 27°32'06"E		
	Anchorage area "5B (see Note)" [N12.2] bound by dashed line joining	42°30'00"N 27°33'12"E 42°30'00"N 27°34'18"E 42°29'30"N 27°34'18"E 42°29'30"N 27°33'12"E		
	Dashed line between	42°28'00"N 27°29'01"E 42°28'00"N 27°29'37"E		
	(Plan)			
Change	Legend to "ANCHORAGE No 1A (see Note)"	42°28'21"N 27°29'20"E		
Add	Legend "ANCHORAGE No 1B (see Note)"	42°27'54"N 27°29'24"E		
	Dashed line between	42°28'00"N 27°29'01"E 42°28'00"N 27°29'37"E		
(140)01, 1(34), 3(56, 57)02 Constanta; BA CH 2399)				
55064	3Ed. 5/18/96 LAST NM 48/02		6/03	
Add	Submarine cable [L30.1] joining	41°11'01.2"N 29°04'36.0"E 41°11'12.0"N 29°05'18.0"E 41°13'00.6"N 29°07'25.8"E 41°14'21.0"N 29°08'12.6"E 41°15'13.2"N 29°08'33.0"E 41°32'41.8"N 29°04'20.5"E		
	(694)97 Constanta)			
55100	8Ed. 1/23/99 LAST NM 37/02		6/03	
Add	Submarine cable [L30.1] joining	41°11.0'N 29°04.6'E 41°11.2'N 29°05.3'E 41°13.0'N 29°07.4'E 41°15.2'N 29°08.5'E 41°34.5'N 29°03.5'E 41°48.0'N 28°46.1'E 41°49.7'N 28°07.8'E 41°52.8'N 27°59.4'E		
	Depth 17 meters Wk [K26] (694)97, 1(39)01 Constanta)	43°07.0'N 28°07.5'E		
55110	2Ed. 8/31/96 LAST NM 37/02		6/03	
Add	Submarine cable [L30.1] joining	41°11.0'N 29°04.6'E 41°11.2'N 29°05.3'E 41°13.0'N 29°07.4'E 41°15.2'N 29°08.5'E 41°33.0'N 29°04.3"E 41°34.5'N 29°03.5'E 41°48.0'N 28°46.1'E 41°49.7'N 28°07.8'E 41°52.8'N 27°59.4'E		
	Depth 17 meters Wk [K26] (694)97, 1(39)01 Constanta)	43°07.0'N 28°07.5'E		
55120	2Ed. 6/15/96 LAST NM 36/02		6/03	
Add	Depth 17 meters Wk [K26] (139)01 Constanta)	43°07.0'N 28°07.5'E		
55129	7Ed. 6/15/96 LAST NM 37/02		6/03	
Delete	Purple composite line between (See 6/02-55129)	44°42'55"N 37°49'55"E 44°43'55"N 37°50'55"E		
Add	Purple composite line (restricted area limit) [N2.1] between	44°42'18"N 37°49'00"E 44°43'01"N 37°50'11"E		
(4361)01 St. Petersburg)				
55131	1Ed. 11/16/96 LAST NM 45/02		6/03	
Add	Foul ground symbol [K31]	45°31.2'N 29°42.6'E		
	Foul ground symbol [K31]	45°31.6'N 29°44.1'E		
(22(3246)98 St. Petersburg)				
55190	2Ed. 10/5/96 LAST NM 19/01		6/03	
Delete	"PROHIB AREA NO 154" in vicinity	46°45.0'N 36°36.5"E		
	Buoy	46°43.3'N 36°35.4"E		
	Buoy	46°44.2'N 36°39.0"E		
(18(2622, 2623)98 St. Petersburg)				
61562	2Ed. 4/11/98 LAST NM 7/99		6/03	
Change	Light to FR 2m	12°16'20"S 49°17'03"E		
	Light to FG 2m	12°16'24"S 49°17'01"E		
	(Plan)			
Change	Light to FR 2m	12°16'17.3"S 49°17'01.1"E		
	Light to FG 2m	12°16'21.0"S 49°16'59.2"E		
(NTM0005/2003)				
62401	9Ed. 8/26/95 LAST NM 11/02		6/03	
Relocate	Pilot station symbol "Jabal az Zannah" from	24°25'06"N 52°34'03"E to	24°25'54"N 52°33'24"E	
(51(5503)02 Taunton)				
62404	3Ed. 5/6/95 LAST NM 33/01		6/03	
Delete	Pilot station symbol and legend "Jabal az Zannah"	24°25'00"N 52°34'24"E		
	Characteristic of buoy "10" to QR	24°21'41"N 52°40'24"E		
Add	Pilot station symbol with legend "Jabal az Zannah"	24°25'54"N 52°33'24"E		
(51(5503)02 Taunton; 18/02 MENAS)				
62440	7Ed. 10/12/96 LAST NM 49/02		6/03	
Relocate	Pilot station symbol from	24°25'00"N 52°34'15"E to	24°25'54"N 52°33'24"E	
(51(5503)02 Taunton)				
62459	2Ed. 1/14/95 LAST NM 33/01		6/03	
Relocate	Pilot station symbol "Jabal az Zannah Terminal" from	24°25.00'N 52°34.40"E to	24°25.90'N 52°33.40"E	
(51(5503)02 Taunton)				
62480	1Ed. 8/15/98 LAST NM 43/02		6/03	
Relocate	Pilot station symbol from 24°24.5'N 52°34.4"E to	24°25.9'N 52°33.4'E		
(51(5503)02 Taunton)				
71005	1Ed. 1/25/92 LAST NM 2/03		6/03	
Add	Light symbol [P1]	0°34.4'N 98°59.3"E		
(15)00 Jakarta)				
71009	3Ed. 8/10/85 LAST NM 1/03		6/03	
Add	Light Fl 5s 43ft 13M	0°34.4'N 98°59.3"E		
(15)00 Jakarta)				
71066	1Ed. 1/17/87 LAST NM 39/02		6/03	
	(Plan)			
Add	Light Fl Y 10s to buoy (mooring) "M2"	4°14'40.8"N 100°36'06.6"E		
	Light Fl(4) Y 6s to buoy (mooring) "M3"	4°14'44.4"N 100°35'59.4"E		
	Light Fl Y 4s to buoy (mooring) "M4"	4°14'48.6"N 100°35'49.2"E		
(11(222)00 Kuala Lumpur)				
71230	11Ed. 2/3/96 LAST NM 38/02		6/03	
	(Panel A)			
Add	Submarine cable [L30.1] joining	0°47.4'N 103°35.3"E 0°43.9'N 103°35.8"E 0°40.4'N 103°38.3"E 0°40.0'N 103°40.5"E		
(19), 2(24)00 Singapore)				

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71241	10Ed. 9/12/98 LAST NM 18/02 Add Submarine cable [L30.1] joining	6/03 1°10'03"N 103°34'45"E 1°06'13"N 103°32'13"E 1°02'00"N 103°32'50"E 1°01'42"N 103°32'40"E 0°57'59"N 103°32'59"E 0°52'49"N 103°33'54"E 0°51'21"N 103°34'44"E 0°43'51"N 103°35'49"E 0°40'26"N 103°38'18"E 0°40'00"N 103°40'32"E	Legend "Coastal Vessels Anchorage" 2°12'24.0"N 102°06'54.0"E
	(19), 2(24)00 Singapore)		
71247	18Ed. 7/10/99 LAST NM 5/03 Change Legend "14.1m" to "15m" Legend "10m" to "9m" Legend "12.3m" to 12.2m" (110, 111), 8(85)00 Singapore)	6/03 1°15'32.0"N 103°50'30.0"E 1°15'46.6"N 103°49'20.0"E 1°15'25.8"N 103°50'30.0"E	Add Submarine pipeline [L40.1] joining 2°11'44.0"N 102°06'30.0"E 2°12'15.0"N 102°07'33.0"E 2°15'06.0"N 102°08'03.0"E
			Superbuoy [L16] SBM Y, Mo(U) 10s HORN Ra Ref Racon (8)(167)98 Kuala Lumpur)
71253	10Ed. 12/27/97 LAST NM 5/03 Change Legend "10m" to "9m" (110)00 Singapore)	6/03 1°15'46.5"N 103°49'19.0"E	
71255	5Ed. 8/7/99 LAST NM 9/02 Substitute Buoy "Alert Shoal" Y, pillar, Fl(4) Y 15s for light	6/03 1°16'59.1"N 103°36'22.5"E	
Change	Buoy to "Kanan" G, conical, Fl(2) G 10s 1°16'53.8"N 103°40'14.8"E		Add Beacon, cone topmark, Fl R 5s 6°51'45"N 116°51'35"E (8)(133)99 Kuala Lumpur)
	Legend "14.6m (1998)" to "14.1m (2000)" 1°16'40.0"N 103°38'41.5"E		
Add	Submarine cable [L30.1] joining	1°20'20.3"N 103°38'02.0"E 1°20'22.9"N 103°37'51.3"E 1°20'19.6"N 103°37'46.0"E 1°19'02.7"N 103°37'01.4"E 1°18'33.2"N 103°36'48.1"E 1°17'25.0"N 103°36'25.4"E 1°17'10.3"N 103°36'17.9"E 1°17'03.0"N 103°36'14.4"E 1°16'35.4"N 103°36'10.8"E 1°15'37.2"N 103°36'00.0"E	
	(19), 2(24, 27), 3(37)00 Singapore; BA CH 4030)		
71257	2Ed. 6/29/96 LAST NM 5/03 Delete Depth 17.8 meters Obstn	6/03 1°11'50"N 103°48'33"E	
Substitute	Buoy "Alert Shoal" Y, pillar, Fl(4) Y 15s for light	1°17'00"N 103°36'24"E	
Add	Submarine cable [L30.1] joining	1°20'20"N 103°38'00"E 1°20'23"N 103°37'51"E 1°20'20"N 103°37'46"E 1°19'03"N 103°37'01"E 1°17'25"N 103°36'25"E 1°17'03"N 103°36'14"E 1°16'35"N 103°36'11"E 1°10'30"N 103°35'03"E 1°06'13"N 103°32'13"E 1°04'03"N 103°32'31"E 1°02'00"N 103°32'46"E 1°01'42"N 103°32'40"E 0°58'33"N 103°32'56"E 0°57'59"N 103°32'59"E 0°57'00"N 103°33'10"E	
	(19), 2(24, 26, 27)00 Singapore)		
71258	2Ed. 8/10/96 LAST NM 5/03 Delete Depth 17.8 meters Obstn (226)00 Singapore)	6/03 1°11'50"N 103°48'32"E	
71262	7Ed. 4/3/99 LAST NM 14/01 (Plan C) Delete Purple dashed line joining	6/03 2°11'42.0"N 102°06'06.0"E 2°12'57.0"N 102°06'42.0"E 2°12'30.0"N 102°07'40.0"E	
	Purple dashed line between	2°12'12.0"N 102°06'18.0"E 2°11'42.0"N 102°07'16.0"E	
	Anchor berth "DW" Legend "PETROLEUM"	2°11'36.0"N 102°06'40.0"E 2°11'54.0"N 102°07'00.0"E	
			Legend "SD" from depth 21.9 meters 11°50.5'S 124°45.0'E
			Substitute Depth 15.5 meters for 17.8 meters 11°44.3'S 124°24.8'E Depth 14 meters for 16.2 meters 11°46.7'S 123°30.2'E
			Add Depth 25.6 meters 11°42.5'S 125°08.4'E Depth 17.6 meters 11°48.8'S 124°50.0'E Depth 20.1 meters 11°44.6'S 124°29.4'E Depth 18.3 meters 11°41.4'S 124°19.0'E Depth 14.3 meters 12°24.0'S 123°32.7'E Depth 8.5 meters 12°21.9'S 123°16.9'E
			Depth 19.5 meters, blue tint and enclosing depth contour (20-meter) 11°36.2'S 124°17.4'E
			Danger circle "Wells" [L21.1] (19)(526)00 Wollongong) 12°29.5'S 124°25.5'E

SECTION I

NM 6/03

74182	12Ed. 2/13/99 LAST NM 51/02 Delete Depth 1.5 meters "Rep (1984)"	6/03 27°10'33"S 153°22'06"E	75173 9Ed. 8/8/98 LAST NM 1/03 Substitute Beacon Y, "X" topmark, Fl Y 5s for pile	6/03 38°15'27.0"S 144°40'02.0"E (24(773)02 Wollongong; Aus CH 144)
74183	11Ed. 10/17/98 LAST NM 4/03 Relocate Buoy from 27°22'02.8"S 153°10'16.6"E to	6/03 27°22'02.1"S 153°10'18.1"E (12(341)99 Wollongong)	75175 9Ed. 12/18/93 LAST NM 50/02 Change Legend "VERT CL 50.8m" to "VERT CL 50.5m"	6/03 37°49'47.3"S 144°53'55.1"E
74251	8Ed. 5/3/97 LAST NM 51/02 Add Depth 4 meters, blue tint and enclosing depth contour (10-meter)	6/03 18°02'56"S 146°11'17"E (19(523)00 Wollongong)	Add Beacon "38A" R, can topmark, FR	37°49'47.0"S 144°53'51.9"E
74460	4Ed. 5/17/97 LAST NM 49/02 Delete Depth 30.5 meters "Rep (1981)"	6/03 11°41.7"S 125°07.4"E	Beacon "38B" R, can topmark, FR	37°49'44.0"S 144°53'53.5"E (12(350)99 Wollongong)
	Depth 12.5 meters (SD)	11°49.4"S 124°50.2"E		
	Depth 18.6 meters (SD)	11°41.4"S 124°33.0"E		
	Depth 16.8 meters	11°41.7"S 124°19.0"E		
	Depth 18 meters	11°50.8"S 124°18.7"E		
	Depth 9.1 meters	12°22.8"S 123°16.8"E		
	Substitute Depth 20.1 meters for 21.8 meters	11°44.6"S 124°29.4"E		
	Depth 15.5 meters for 17.8 meters	11°44.3"S 124°24.8"E		
	Depth 14.3 meters for 15.6 meters	12°24.0"S 123°32.7"E		
	Depth 14 meters for 16.2 meters	11°46.7"S 123°30.2"E	Buoy BRB, pillar, double ball topmark, Fl(2) 10s	37°52'12.6"S 144°57'31.8"E (12(349)99, 24(774)02 Wollongong)
	Add Depth 25.6 meters	11°42.5"S 125°08.4"E		
	Depth 17.6 meters, blue tint and enclosing depth contour (20-meter)	11°48.8"S 124°50.0"E		
	Depth 19.2 meters, blue tint and enclosing depth contour (20-meter)	11°41.0"S 124°33.2"E		
	Depth 18.3 meters, blue tint and enclosing depth contour (20-meter)	11°41.4"S 124°19.0"E		
	Depth 19.5 meters, blue tint and enclosing depth contour (20-meter)	11°36.2"S 124°17.4"E		
	(19(526)00 Wollongong)			
75000	6Ed. 3/22/97 LAST NM 47/02 Add Light Iso Bu 4s 3m 6M	6/03 33°57.1"S 120°07.3"E	75261 6Ed. 5/10/97 LAST NM 3/03 Delete Submarine cable between	6/03 34°01'52"S 151°31'18"E 34°02'03"S 151°32'07"E
	Light Iso Bu 8s 12m 6M	33°56.5"S 120°06.5"E (24(765)02 Wollongong)	Add Submarine cable between	33°55'22"S 151°22'42"E 33°56'35"S 151°32'07"E
75001	3Ed. 6/13/92 LAST NM 5/03 (Plan A)	6/03 33°50.174"S 121°55.829"E	Submarine cable between	33°54'22"S 151°22'37"E 33°54'30"S 151°32'07"E (24(761)02 Wollongong)
	Add Beacon R, can topmark, Fl R 3s	33°50.140"S 121°55.876"E	Submarine cable (disused) between	33°54'23"S 151°22'37"E 33°54'34"S 151°36'00"E (24(761)02 Wollongong)
75035	18Ed. 3/18/95 LAST NM 2/03 Delete Submarine cable between	6/03 34°02.2"S 151°31.0"E 34°02.8"S 151°42.0"E	83010 6Ed. 11/17/84 LAST NM 21/95 Delete Depth 12 fathoms	6/03 12°56.0"S 175°40.0"W
	Submarine cable between	33°55.4"S 151°23.0"E 33°59.0"S 151°44.0"E	Add Depth 8 1/2 fathoms	12°56.8"S 175°40.0"W (47(439)199 Taunton)
	Submarine cable between	33°53.8"S 151°23.0"E 34°53.6"S 151°48.0"E		
	(24(761)02 Wollongong)			
75171	22Ed. 4/3/99 LAST NM 1/03 Delete Dashed line and legend "Port of Melbourne Authority Boundary" between	6/03 37°52'23"S 144°54'18"E 37°51'21"S 144°57'44"E	83026 32Ed. 2/24/90 LAST NM 41/02 Delete Depth 22 meters	6/03 12°56.0"S 175°40.0"W
	Add Dashed line (channel limit) between	37°55'04"S 144°55'45"E 37°56'55"S 144°55'37"E	Add Depth 16 meters	12°56.8"S 175°40.0"W (47(439)199 Taunton)
	Dashed line (channel limit) between	37°55'07"S 144°55'30"E 37°56'55"S 144°55'28"E		
	(Plan)			
	Change Beacon to Y, "X" topmark, Fl Y 5s	38°15'27.0"S 144°41'01.8"E (24(773, 774)02 Wollongong; Aus CH 144)	83039 11Ed. 5/26/84 LAST NM 41/02 Substitute Depth 8 1/2 fathoms for 12 fathoms	6/03 12°56.8"S 175°40.0"W (47(439)199 Taunton)
93610	3Ed. 5/18/96 LAST NM 45/02 Delete Racon from light	6/03 20°01'13"N 110°16'04"E	93650 2Ed. 11/4/95 LAST NM 44/02 Delete Racon from light	6/03 20°01.2"N 110°16.0"E (continued on next page)
	Add Light Fl 6s 78m 18M Racon	20°04'16"N 110°18'51"E		
	(Plan)			
	Delete Racon from light	20°01'13.1"N 110°16'04.5"E		
	Add Light Fl 6s 78m 18M Racon	20°04'15.7"N 110°18'51.3"E (9(138, 139)02 Tianjin)		

SECTION I

93650	(Continued)				
Add	Danger circle [K1] "Unexploded Ordnance" (PA)	21°12.2'N 108°40.5'E	Purple dashed line between 31°25'15.1"N 121°32'26.9"E 31°25'09.5"N 121°32'24.0"E		
	Danger circle [K1] "Unexploded Ordnance"	21°12.4'N 108°41.2'E	Relocate Buoy "Q6" from 31°25'15.1"N 121°32'26.9"E to 31°25'12.2"N 121°32'18.4"E		
	Danger circle [K1] "Unexploded Ordnance"	21°12.2'N 108°40.3'E	Buoy "Q7" from 31°25'44.0"N 121°31'25.3"E to 31°25'39.8"N 121°31'12.2"E		
(9(139), 18(347), 36(664)02 Tianjin)					
93652	2Ed. 5/4/96 LAST NM 3/03	6/03	Add Purple dashed line (anchorage limit) joining 31°25'22.5"N 121°31'00.4"E 31°25'39.8"N 121°31'12.2"E 31°25'12.2"N 121°32'18.4"E 31°24'35.0"N 121°33'36.0"E (32(590)02 Tianjin; Cna CH 13181)		
Add	Danger circle [K1] "Unexploded Ordnance" (PA)	21°12'10"N 108°40'31"E			
	Danger circle [K1] "Unexploded Ordnance"	21°12'22"N 108°41'13"E	94260 5Ed. 8/26/95 LAST NM 1/03	6/03	
	Danger circle [K1] "Unexploded Ordnance"	21°12'11"N 108°40'17"E	Add Stranded wreck [K24] (PA)	33°34.4'N 121°21.8'E	
			(14(249)02 Tianjin)		
	(Plan)		94281 6Ed. 7/20/96 LAST NM 14/01	6/03	
Add	Buoy "A3" R, pillar, can topmark, Fl R 4s 21°26'26.2"N 109°01'06.5"E		Delete Buoy "45"	34°45'08.5"N 119°25'10.9"E	
	Buoy "A4" G, pillar, cone topmark, Fl G 4s 21°26'27.2"N 109°01'11.8"E		Add Buoy "45" YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s [Q130.3]	34°45'17.9"N 119°25'14.2"E	
(25(397)01, 18(347), 36(664)02 Tianjin)					
93690	2Ed. 11/4/95 LAST NM 44/02	6/03			
Delete	Racon from light	20°09.6'N 110°41.1'E			
	Racon from light	20°01.2'N 110°15.8'E			
Change	Height of light to 53m	20°00.1'N 110°56.0'E	94360 6Ed. 10/21/95 LAST NM 43/02	6/03	
Add	Light Fl 6s 78m 18M Racon	20°04.3'N 110°18.9'E	Add "32-6 OIL FIELD" [L3] bound by purple dashed line joining	39°06.6'N 119°10.6'E 39°09.0'N 119°13.8'E 39°06.6'N 119°15.4'E 39°05.2'N 119°10.8'E	
(9(134), 138, 139), 23(452)02 Tianjin)					
93710	3Ed. 3/30/96 LAST NM 26/02	6/03			
Delete	Racon from light	20°09'38"N 110°41'03"E			
	Racon from light	20°01'12"N 110°16'04"E	"ANCHORAGE AREA" [N12.1] bound by purple dashed line joining	39°09.2'N 119°05.3'E 39°11.0'N 119°06.8'E 39°09.5'N 119°12.2'E 39°06.0'N 119°09.4'E	
Change	Height of light to 53m	20°00'08"N 110°56'00"E			
Add	Light Fl 6s 78m 18M Racon	20°04'16"N 110°18'51"E	"ANCH AREA" [N12.1] bound by purple dashed line joining	39°08.0'N 119°02.7'E 39°08.4'N 119°04.0'E 39°07.6'N 119°04.6'E 39°07.0'N 119°03.1'E	
(9(134), 138, 139), 23(452)02 Tianjin)					
94028	7Ed. 9/16/95 LAST NM 1/03	6/03			
Change	Visibility (range) of light to 27M	34°05.7'N 125°06.1'E	94380 4Ed. 9/2/95 LAST NM N5/03	N6/03	
	Visibility (range) of light to 26M	35°21.6'N 129°21.6'E	Change Height of light to 42m	40°48'46"N 121°03'55"E	
	Visibility (range) of light to 27M	36°04.7'N 129°34.2'E	Height of light to 73m	40°49'42"N 121°04'00"E	
	Visibility (range) of light to 26M	36°37.6'N 125°33.5'E	(See N5/99-94380)		
	Visibility (range) of light to 27M	34°27.8'N 126°02.5'E	Add Light FR 15m 6M, FR 20m 6M	40°47'55"N 121°04'43"E	
(49(661), 52(705, 706, 714, 717)02 Inchon)			(8(113), 19(363)02 Tianjin)		
94040	13Ed. 10/4/97 LAST NM 51/02	6/03	95060 13Ed. 8/5/95 LAST NM 1/03	6/03	
Add	Pilot station symbol [T1.1]	23°07.0'N 116°36.0'E	Change Visibility (range) of light to 26M	36°37.6'N 125°33.5'E	
(16(313)02 Tianjin)			(52(714)02 Inchon)		
94127	2Ed. 5/25/96 LAST NM 38/02	6/03	95066 11Ed. 11/21/98 LAST NM 5/03	6/03	
	(Panel B)		Delete Buoy "A"	37°02'27"N 126°27'53"E	
Add	Stranded wreck [K24] (PA)	25°08'00.0"N 121°21'35.0"E	Buoy "B"	37°02'50"N 126°27'18"E	
	Foul ground symbol [K31] (See 50/98-94127)	25°09'17.6"N 121°22'29.6"E	Buoy "C"	37°03'44"N 126°27'26"E	
(56, 79/02 Tso-ying)			Buoy "D"	37°03'47"N 126°29'04"E	
			Buoy "E"	37°04'00"N 126°28'46"E	
			Buoy "H"	37°04'19"N 126°30'50"E	
			Buoy "J"	37°04'52"N 126°31'05"E	
			Buoy "K"	37°02'46"N 126°32'36"E	
			Buoy "A"	37°15'26"N 126°30'41"E	
			Buoy "B"	37°15'34"N 126°30'14"E	
			Anchorage area centered (See 15/02-95066)	37°18'41"N 126°28'11"E	
94217	4Ed. 1/28/95 LAST NM 30/02	6/03	Add Light "A" Fl Y 6s 6m 7M	37°00'24"N 126°21'06"E	
Delete	Purple dashed line between	31°21'37.0"N 121°38'27.2"E	Light "B" Fl Y 6s 6m 7M	37°00'27"N 126°21'10"E	
		31°20'39.5"N 121°39'07.1"E	(See 44/01-95066)		
Relocate	Buoy "26" from 31°20'39.5"N to 31°20'53.5"N	121°39'07.1"E 31°20'53.5"N 121°38'53.6"E	(53(628), 629(99, 49(660), 52(715)02 Inchon)		
Add	Beacon "1" Y, "X" topmark, Mo(C) Y 12s	31°21'37.9"N 121°36'27.3"E			
	Purple dashed line (channel limit) between	31°21'37.0"N 121°38'27.2"E			
		31°20'53.5"N 121°38'53.6"E			
(34(626), 36(672)02 Tianjin)					
94218	3Ed. 8/24/96 LAST NM 36/02	6/03	95080 13Ed. 6/24/95 LAST NM 1/03	6/03	
Delete	Purple dashed line joining	31°25'22.5"N 121°31'00.4"E	Change Visibility (range) of light to 26M	36°37'36"N 125°33'30"E	
		31°25'44.0"N 121°31'25.3"E	(52(714)02 Inchon)		
		31°25'15.1"N 121°32'26.9"E			
		31°24'35.0"N 121°33'36.0"E			

SECTION I

NM 6/03

95085	4Ed. 6/11/94	LAST NM 1/03	6/03	
Delete	Dashed line and legend "Harbor Limit" between	34°47'39.0"N 126°20'26.0"E 34°47'38.0"N 126°21'19.0"E		Berth designation "J5" to "KC6" 35°05'02.0"N 129°00'00.0"E
Add	Dashed line with legend "Harbor Limit" joining	34°48'51.0"N 126°22'11.0"E 34°48'48.0"N 126°21'35.0"E 34°48'25.0"N 126°21'04.0"E 34°47'41.0"N 126°20'27.0"E		Note to "ANCHORAGE AREAS" N-I For ships 1,000 tons or less N-II For ships 1,000 to 3,000 tons N-III For tankers 3,000 to 10,000 tons N-IV For tankers over 10,000 tons
	Dashed line with legend "Harbor Limit" between	34°45'01.0"N 126°19'03.0"E 34°42'52.0"N 126°22'44.0"E		K-1 For vessels less than 5,000 tons K-2 For vessels less than 5,000 tons K-3 For vessels less than 20,000 tons K-4 For vessels less than 4,000 tons 35°04'45.0"N 128°58'22.0"E
(13(162)00 Inchon)				Add Berth designation "KC3" [F19] 35°04'49.2"N 128°59'59.0"E
95086	5Ed. 6/18/94	LAST NM 1/03	6/03	
Delete	Dashed line and legend "Harbor Limit" between	34°47'39.0"N 126°20'26.0"E 34°47'38.0"N 126°21'19.0"E		Anchor berth "K-1" [N11.1] with legend "(see Note)" 35°04'23.4"N 128°59'52.2"E
Add	Dashed line with legend "Harbor Limit" joining	34°48'51.0"N 126°22'11.0"E 34°48'48.0"N 126°21'35.0"E 34°48'25.0"N 126°21'04.0"E 34°47'41.0"N 126°20'27.0"E		Anchor berth "K-2" [N11.1] with legend "(see Note)" 35°04'15.4"N 128°59'54.2"E
	Dashed line with legend "Harbor Limit" between	34°45'01.0"N 126°19'03.0"E 34°43'41.0"N 126°21'21.0"E		Anchor berth "K-3" [N11.1] with legend "(see Note)" 35°01'59.4"N 128°59'16.2"E
	Light "A" Fl(2) Y 6s 9m 7M HORN	34°46'43.0"N 126°25'37.0"E		Anchor berth "K-4", radius 250 meters [N11.2] with legend "(see Note)", centered 35°02'30.2"N 128°59'02.2"E
	Light "B" Fl Y 4s 9m 7M (See 47/98-95086)	34°46'45.0"N 126°25'44.0"E		(ROK CH 301; 53(627)99, 13(162)00 Inchon)
95100	12Ed. 3/2/96	LAST NM 4/03	6/03	
Change	Visibility (range) of light to 27M	34°05'42"N 125°06'06"E		95160 13Ed. 8/19/95 LAST NM 1/03 6/03
	Visibility (range) of light to 8M	33°30'30"N 126°27'54"E	Change	Visibility (range) of light to 26M 35°21.6"N 129°21.6"E
	Visibility (range) of light to 27M	34°27'48"N 126°02'30"E		Visibility (range) of light to 27M 36°04.7"N 129°34.2"E
Add	Light Fl 6s 19m 8M (8(54)00, 52(717), 49(659, 661)02 Inchon)	34°37'36"N 127°31'31"E		Height of light to 49m 35°28.3"N 129°24.4"E
95101	8Ed. 7/8/95	LAST NM 5/03	6/03	
Change	Visibility (range) of light to 27M	34°27'48"N 126°02'30"E (52(717)02 Inchon)		95161 16Ed. 9/8/01 LAST NM 5/03 6/03
			Change	Visibility (range) of light to 26M 35°21'33.0"N 129°21'38.0"E
95103	8Ed. 5/18/96	LAST NM 4/03	6/03	
Change	Visibility (range) of light to 8M (8(54)00 Inchon)	33°30'30"N 126°27'54"E		Height of light to 49m 35°28'21.5"N 129°24'25.5"E
95141	8Ed. 8/5/95	LAST NM 1/03	6/03	Light to Fl Y 4s 17m 7M 35°28'07.5"N 129°24'22.5"E
Add	Light Fl 6s 19m 8M (49(659)02 Inchon)	34°37'36"N 127°31'31"E		(52(706, 708, 709)02 Inchon)
95143	11Ed. 5/15/99	LAST NM 5/03	6/03	
Change	Light to Fl G 6s 10m 6M (52(712)02 Inchon)	34°53'50"N 128°10'00"E		95163 2Ed. 6/4/94 LAST NM 1/03 6/03
95144	9Ed. 5/15/99	LAST NM 1/03	6/03	Designation of anchor berth "6" to "4" 36°02'58.8"N 129°25'24.6"E
Add	Dashed-line circle "Marine farm" (5(38)00 Inchon)	34°44'44"N 128°16'48"E		Designation of anchor berth "7" to "5" 36°02'32.3"N 129°25'24.6"E
95152	5Ed. 7/23/94	LAST NM 38/02	6/03	Designation of anchor berth "8" to "6" 36°02'37.3"N 129°26'01.6"E
Delete	Anchor berth "D"	35°03'20.0"N 128°59'08.0"E		Designation of anchor berth "9" to "7" 36°03'17.8"N 129°26'09.6"E
	Boulders along wharf joining	35°04'51.4"N 129°00'05.8"E 35°04'50.2"N 129°00'06.5"E 35°04'51.2"N 128°59'59.0"E 35°04'50.8"N 128°59'55.0"E		Designation of anchor berth "10" to "8" 36°03'28.8"N 129°26'50.1"E
	(See 28/97-95152)			Designation of anchor berth "11" to "9" 36°02'53.3"N 129°26'45.6"E
Change	Berth designation "J1" to "KC1" Berth designation "J2" to "KC2" Berth designation "J3" to "KC4" Berth designation "J4" to "KC5"	35°04'56.0"N 128°59'52.0"E 35°04'51.0"N 128°59'54.0"E 35°04'52.0"N 129°00'03.0"E 35°04'56.0"N 128°59'57.0"E		Designation of anchor berth "12" to "10" 36°03'07.8"N 129°27'27.6"E
				Designation of anchor berth "13" to "11" 36°03'46.3"N 129°27'38.6"E
				Designation of anchor berth "14" to "12" 36°03'55.8"N 129°28'29.6"E
				Designation of anchor berth "15" to "13" 36°03'18.0"N 129°28'13.1"E
				Designation of anchor berth "16" to "14" 36°00'54.8"N 129°26'15.6"E
				Designation of anchor berth "17" to "15" 36°00'55.8"N 129°26'42.6"E
				Designation of anchor berth "18" to "16" 36°00'33.8"N 129°26'42.6"E
				(5(41)00, 52(705)02 Inchon)
95164	4Ed. 4/9/94	LAST NM 1/03	6/03	
Add	Light Fl(2) G 6s 13m 5M (52(707)02 Inchon)	35°48'13.3"N 129°30'30.1"E		

95167	10Ed. 9/26/98 LAST NM 1/03 Change Designation of anchor berth "6" to "4" 36°02'58.8"N 129°25'24.6"E	6/03	96944	6Ed. 7/25/98 LAST NM 52/02 (Plan A) Substitute Double dashed line for double solid line and land tint between 40°50'06.0"N 140°44'42.1"E 40°50'06.1"N 140°44'43.4"E (49(1703)02 Tokyo)	6/03
	Designation of anchor berth "7" to "5" 36°02'32.3"N 129°25'24.6"E				
	Designation of anchor berth "8" to "6" 36°02'37.3"N 129°26'01.6"E				
	Designation of anchor berth "9" to "7" 36°03'17.8"N 129°26'09.6"E				
	Designation of anchor berth "11" to "9" 36°02'53.5"N 129°26'45.6"E				
	Designation of anchor berth "12" to "10" 36°03'07.8"N 129°27'27.6"E				
	Designation of anchor berth "15" to "13" 36°03'18.0"N 129°28'13.1"E				
	Designation of anchor berth "16" to "14" 36°00'54.8"N 129°26'15.6"E				
	Designation of anchor berth "17" to "15" 36°00'55.8"N 129°26'42.6"E				
	Designation of anchor berth "18" to "16" 36°00'33.8"N 129°26'42.6"E				
(ROK CH 135; 5(41)00 Inchon)					
95171	1Ed. 12/11/93 LAST NM 1/03 Add Solid line (breakwater) [F4.1] between 36°43'29.7"N 129°28'22.5"E 36°43'25.7"N 129°28'26.8"E	6/03	96947	15Ed. 5/16/98 LAST NM 11/01 Delete Buoy Buoy Buoy Buoy Buoy Buoy Buoy Buoy Buoy (48(1652)02 Tokyo)	6/03
	Solid line (breakwater) [F4.1] between 36°43'32.7"N 129°28'32.7"E 36°43'23.0"N 129°28'28.9"E				
	Light Fl G 4s 10m 5M Light Fl R 4s 10m 6M	36°43'25.7"N 129°28'26.7"E 36°43'23.0"N 129°28'28.9"E			
	(49(655, 656)02 Inchon)				
95180	11Ed. 6/15/96 LAST NM 1/03 Change Visibility (range) of light to 27M	6/03 36°04'42"N 129°34'12"E	97062	12Ed. 12/6/97 LAST NM 44/02 Relocate Buoy from 38°23'16.7"N 141°15'01.9"E to 38°23'14.1"N 141°15'06.9"E (48(1654)02 Tokyo)	6/03
	Add Light Fl G 4s 10m 5M Light Fl R 4s 10m 6M	36°43'26"N 129°28'27"E 36°43'23"N 129°28'29"E			
	(49(656), 52(705)02 Inchon)				
95250	4Ed. 7/12/97 LAST NM 1/03 Change Light (Fl(3) R) to Fl R 3s 15m 4M	6/03 40°38.9"N 139°55.4"E	97064	2Ed. 2/19/94 LAST NM 9/02 Relocate Buoy from 38°23'16.7"N 141°15'01.9"E to 38°23'14.1"N 141°15'06.9"E (48(1654)02 Tokyo)	6/03
	(49(1702)02 Tokyo)				
95258	3Ed. 11/15/97 LAST NM 45/01 Add Depth 3.3 meters	6/03 38°54'50.6"N 139°49'46.8"E	97182	13Ed. 1/1/94 LAST NM 5/03 Change Visibility (range) of beacon to 3M	6/03 34°42'00.0"N 136°58'39.0"E
	(48(1676)02 Tokyo)				
95262	13Ed. 4/18/98 LAST NM 1/03 Add Double solid line with land tint (breakwater extension) between	6/03 39°46'43.0"N 140°00'32.0"E 39°46'47.2"N 140°00'26.9"E	97204	9Ed. 2/12/94 LAST NM 4/03 Change Visibility (range) of light to 5M	6/03 34°38'24.0"N 135°08'13.0"E
	(49(1701)02 Tokyo)				
95268	16Ed. 3/28/98 LAST NM 48/02 (Plan A) Substitute Depth 0.8 meter enclosed by depth contour (2-meter) for 3.8 meters	6/03 36°47'07.8"N 137°03'15.6"E	97218	3Ed. 8/23/97 LAST NM 41/02 Change Visibility (range) of light to 4M	6/03 34°45'43.4"N 134°35'12.9"E
	Depth 4.2 meters enclosed by depth contour (5-meter) for 5.5 meters	36°47'18.1"N 137°03'36.1"E			
	Add Legend "Lesser depths rep (2002)"	36°47'13.7"N 137°03'24.0"E	97219	4Ed. 12/20/97 LAST NM 31/02 Change Visibility (range) of light to 4M	6/03 34°45'23.5"N 134°40'57.0"E
	Depth 2.2 meters enclosed by depth contour (5-meter)	36°47'13.0"N 137°03'22.8"E		Visibility (range) of light to 4M	34°45'43.4"N 134°35'12.9"E
	Depth 4.1 meters enclosed by depth contour (5-meter)	36°47'17.4"N 137°03'27.7"E		(43(1466), 47(1618)02 Tokyo)	
	(49(1727)02 Tokyo)				
95282	7Ed. 7/14/90 LAST NM 4/03 Delete Legend "(R Lt)" from buoy	6/03 35°30'54.8"N 135°23'29.7"E	97220	3Ed. 12/30/95 LAST NM 44/02 Delete Light	6/03 34°38'21.0"N 135°23'51.0"E
	Buoy (mooring)	35°30'10.0"N 135°23'27.9"E		Change Visibility (range) of light to 7M	34°40'34.0"N 135°17'45.0"E
	Buoy (mooring)	35°30'26.0"N 135°23'19.9"E		(48(1658), 49(1708)02 Tokyo)	
	Position circle "Lt"	35°29'00.0"N 135°23'45.6"E			
	Buoy (mooring)	35°27'57.1"N 135°19'46.9"E	97221	20Ed. 1/17/98 LAST NM 52/02 Delete Light	6/03 34°38'21"N 135°23'51"E
	Buoy (mooring)	35°27'55.5"N 135°19'45.5"E		Change Visibility (range) of light to 4M	34°45'24"N 134°40'57"E
	Buoy (mooring)	35°27'55.6"N 135°19'42.5"E		Visibility (range) of light to 7M	34°40'34"N 135°17'45"E
	Add Position circle "G Lt"	35°29'40.1"N 135°24'02.8"E		Visibility (range) of light to 5M	34°38'24"N 135°08'13"E
	(48(1653)02 Tokyo)			(47(1618), 48(1658, 1659), 49(1708)02 Tokyo)	
95282	7Ed. 7/14/90 LAST NM 4/03 Delete Legend "(R Lt)" from buoy	6/03 35°30'54.8"N 135°23'29.7"E	97225	31Ed. 1/21/95 LAST NM 45/02 Delete Light	6/03 34°38'09"N 135°24'00"E
	Buoy (mooring)	35°30'10.0"N 135°23'27.9"E		Change Visibility (range) of light to 7M	34°40'22"N 135°17'55"E
	Buoy (mooring)	35°30'26.0"N 135°23'19.9"E		Visibility (range) of light to 5M	34°38'12"N 135°08'25"E
	Position circle "Lt"	35°29'00.0"N 135°23'45.6"E		(48(1658, 1659), 49(1708)02 Tokyo)	
	Buoy (mooring)	35°27'57.1"N 135°19'46.9"E	97228	15Ed. 1/24/98 LAST NM 5/03 Delete Light	6/03 34°38'21.0"N 135°23'51.0"E
	Buoy (mooring)	35°27'55.5"N 135°19'45.5"E		Add Beacon "A" R, cone topmark, Fl R 3s 8m 5M	34°38'19.7"N 135°23'46.9"E
	Buoy (mooring)	35°27'55.6"N 135°19'42.5"E		Beacon "B" R, cone topmark, Fl R 3s 8m 5M	34°38'22.8"N 135°23'54.7"E
	(49(1708)02 Tokyo)				

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97229	12Ed. 7/4/98 LAST NM 47/02 Change Visibility (range) of light to 7M (48(1658)02 Tokyo)	6/03 34°40'34.0"N 135°17'45.0"E	Legend at position circle to "Lt" 34°14'24.0"N 132°33'04.0"E (47(1619), 48(1662)02 Tokyo)
97230	18Ed. 7/5/97 LAST NM 52/02 Change Visibility (range) of light to 5M (48(1659)02 Tokyo)	6/03 34°38'24.0"N 135°08'13.0"E	97271 12Ed. 11/29/97 LAST NM 39/02 Delete Position circle and legend "Tr (79)" Position circle and legend "Tr (77)" Vertical clearance "43" Change Light on beacon to Mo(C) G 13s 15m 10M Height of light to 15m (48(1675)02 Tokyo; Jpn LL)
97231	11Ed. 8/30/97 LAST NM 41/02 Change Visibility (range) of light to 4M (47(1618)02 Tokyo)	6/03 34°45'23.5"N 134°40'57.0"E	33°51'43"N 132°21'42"E 33°51'27"N 132°21'28"E 33°51'43"N 132°21'42"E
97233	11Ed. 11/27/93 LAST NM 5/03 Change Visibility (range) of light to 11M (48(1661)02 Tokyo)	6/03 34°11'25"N 133°01'57"E	97272 11Ed. 6/14/97 LAST NM 52/02 Change Visibility (range) of light to 12M (47(1620)02 Tokyo)
97234	17Ed. 12/26/98 LAST NM 1/03 Add Buoy "A" Y, pillar, "X" topmark, Fl Y 4s Buoy "B" Y, pillar, "X" topmark, Fl Y 4s Buoy "C" Y, pillar, "X" topmark, Fl Y 4s (48(1660)02 Tokyo)	6/03 34°23'50.7"N 134°01'54.4"E 34°23'27.7"N 134°01'40.4"E 34°23'15.7"N 134°02'02.4"E	97273 10Ed. 5/21/94 LAST NM 49/02 Change Light to Fl 4s 37m 12M Characteristic of buoy "1" to Fl G 3s Characteristic of buoy "2" to Fl R 3s (47(1620), 48(1663)02 Tokyo)
97243	8Ed. 3/7/98 LAST NM 5/03 Change Visibility (range) of light to 11M (48(1661)02 Tokyo)	6/03 34°11'35.0"N 133°01'47.0"E	97274 19Ed. 6/27/98 LAST NM 45/02 Change Period of buoy "E4" to 3s Period of buoy "E3" to 3s Period of buoy "W4" to 3s Period of buoy "W3" to 3s Period of buoy "No 4" to 3s Period of buoy "No 6" to 3s Period of buoy "No 5" to 3s Characteristic of buoy "W2" to Fl R 3s Characteristic of buoy "W1" to Fl G 3s Characteristic of buoy "No 1" to Fl G 3s Characteristic of buoy "No 2" to Fl R 3s (See 32/99-97251) (48(1663)02 Tokyo)
97251	4Ed. 2/14/98 LAST NM 35/00 Change Period of buoy "E4" to 3s Period of buoy "E3" to 3s Period of buoy "W4" to 3s Period of buoy "W3" to 3s Period of buoy "No 4" to 3s Period of buoy "No 6" to 3s Period of buoy "No 5" to 3s Characteristic of buoy "W2" to Fl R 3s Characteristic of buoy "W1" to Fl G 3s Characteristic of buoy "No 1" to Fl G 3s Characteristic of buoy "No 2" to Fl R 3s (48(1663)02 Tokyo)	6/03 33°55'40.0"N 131°14'15.0"E 33°55'34.0"N 131°13'57.0"E 33°56'16.0"N 131°12'51.0"E 33°56'20.0"N 131°12'48.0"E 33°55'04.0"N 131°11'53.0"E 33°55'38.0"N 131°11'41.0"E 33°55'39.0"N 131°11'35.0"E 33°55'19.0"N 131°12'29.0"E 33°55'20.0"N 131°12'25.0"E 33°54'29.0"N 131°11'59.0"E 33°54'30.0"N 131°12'04.0"E	97277 11Ed. 11/27/93 LAST NM 1/03 Change Visibility (range) of beacon to 10M Light to Fl 4s 37m 12M (47(1620)02 Tokyo; Jpn LL)
97262	10Ed. 1/24/98 LAST NM 5/03 Change Visibility (range) of light to 11M (48(1661)02 Tokyo)	6/03 34°11'35.0"N 133°01'47.0"E	97286 6Ed. 7/19/97 LAST NM 42/02 Change Light to Fl(2) R 6s 12m 5M Light to Fl R 4s 12m 5M (48(1664)02 Tokyo)
97266	5Ed. 7/5/97 LAST NM 5/03 Change Visibility (range) of beacon to 10M Visibility (range) of light to 11M Visibility (range) of light to 11M (47(1619), 48(1661)02 Tokyo; Jpn LL)	6/03 33°50'45"N 132°21'54"E 34°14'25"N 132°31'09"E 34°11'35"N 133°01'47"E	97385 10Ed. 8/2/97 LAST NM 5/03 Change Visibility (range) of beacon "3" to 5M Visibility (range) of beacon "4" to 5M (48(1667)02 Tokyo)
97267	16Ed. 2/21/98 LAST NM 5/03 Delete Position circle and legend "Tr (79)" Position circle and legend "Tr (77)" Substitute Beacon G, can topmark, Mo(C) G 13s 15m 10M for light Change Visibility (range) of light to 11M (47(1619), 48(1675)02 Tokyo; Jpn LL)	6/03 33°51'43"N 132°21'42"E 33°51'27"N 132°21'28"E 33°50'42"N 132°21'54"E 34°14'25"N 132°31'09"E	97391 26Ed. 8/16/97 LAST NM 31/02 Add Depth 39 meters Obsn [K41] (48(1687)02 Tokyo)
97268	10Ed. 1/31/98 LAST NM 5/01 Change Visibility (range) of light to 11M	6/03 34°14'25.0"N 132°31'09.0"E	97425 6Ed. 1/30/99 LAST NM 1/03 Add Buoy "(Outlet)" Y, pillar, (Y Lt) Submarine pipeline [L41.1] between (48(1665)02 Tokyo)

97465 9Ed. 2/3/96 LAST NM 1/03 6/03
Delete Submarine cables (2) in vicinity 26°20'00"N 127°57'06"E
(48(1668)02 Tokyo)

97469 10Ed. 7/19/97 LAST NM 1/03 6/03
Delete Submarine cables (2) in vicinity 26°20'00.0"N 127°57'06.0"E
(48(1668)02 Tokyo)

801217 1Ed. 2/7/98 LAST NM N21/02 N6/03
Delete Submarine cables (2) in vicinity 26°19'40"N 127°57'10"E
(48(1668)02 Tokyo)

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NM 6/03

CHARTS AFFECTED BY NOTICE TO MARINERS NM 2/02 THROUGH NM 6/03

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	11317	29	20*,21,25,37,40,49/02	11378	31	10*,16,18,22,23,25,27,	11509	27	12*,20/02;1/03
50	5	5.8,17/02	11318	1	N6,N7,N12,N21,N29, N46/02;N6/03	11382	39	30,32,40,50/02	11510	18	34/02
51	1	7/02	11319	30	11,13,25,40/02	11383	49	19*,22,27,30,32/02	11511	16	12/02*
52	1	14,18/02	11320	1	N8,N9,N28/02	11384	32	3,10,18,22,30,32/02	11512	58	10,15,16,18,20,26,28,31, 34,40,48,49/02;1,4,5/03
53	2	5.17/02	11321	29	12*,22,28,39,40,41,45/02	11385	25	23/02*	11513	23	4,18,32,49/02;1/03
101	3	48/02	11322	27	21,22,24,36,37,49/02;	11388	16	7,10,17/02	11514	26	37*,40,49/02;4,5/03
108	9	12,13,32,35/02			4/03	11389	32	2*,7,8,11,18,23,28,33, 37/02;2/03	11515	17	10/02*
302	1	2/03	11323	59	26*,28,33,37,39,45/02;1, 6/03	11390	22	23*,27,33,34,37/02	11516	29	7*,18,24,37,49/02
310	20	2/03	11324	32	22*,24,25,31,33,37/02;1, 6/03	11391	22	6,8,18,23,33,34/02	11517	17	32/02
400	3	23,26,31,32,33,35,45/02	11325	34	19*,21,24,35,37,49/02;4, 6/03	11392	6	2,10,34/02	11518	32	6,15,16,32,35,43,48, 52/02
401	5	22,23,26,31,33,35,45/02	11326	30	4,5,6,7,8,9,10,11,15,16, 21,22,24,25,31,33,36,37, 47/02;1,6/03	11404	21	15,23,50/02	11520	40	31*,39,40,44,46,51/02;4, 6/03
411	48	11,13,16,22,23,26,31,32, 33,35,40,42,45,50/02;5, 6/03	11327	30	5,7,10,11,16,21,22,24,28, 37,49/02;1/03	11405	28	31/02*	11521	26	15*,17,32,35/02
507	2	45/02	11328	22	6,7,9,10,21,36,37,39,47, 49/02;4,6/03	11407	18	15/02*	11523	21	15*,17,32,35,52/02;5/03
508	2	15,24,45/02	11329	34	12*,21,24,36,37,39,47, 49/02;1,4/03	11408	28	3/03*	11524	45	13*,16,21,32,35,43,48, 52/02;4/03
509	4	14/02	11330	14	2*,4,6/03	11409	27	4/03	11525	6	N2,N12,N14,N17,N19, N23,N39,N40,N44,N46, N51/02;N4,N6/03
513	6	5,17,38/02	11331	18	11,17,23/02	11411	14	43*,45/02	11527	16	12,37/02
520	127	5,8,20,38/02	11332	28	42*,43,49,51/02;6/03	11412	41	42*,45/02;1,6/03	11531	21	31/02*
521	11	5,17/02	11333	1	N28/02	11415	5	42*,45/02;1,6/03	11532	20	15*,37/02
522	87	14,18/02	11340	67	2*,5,6/03	11416	5	42*,48/02;1,2,6/03	11534	31	2*,9,13,14,32/02
523	8	5,17/02	11341	38	6,7,9,10,11,12,16,18,21, 22,23,24,28,30,31,34,36, 37,39,43,49/02	11420	26	5,20,39,42/02;4/03	11535	12	12*,25,46/02
524	12	14,18,47/02	11342	51	7,11,14,17,21,23,24,30, 37,43,49/02;4/03	11423	7	N20,N24,N39,N42/02; N4/03	11536	15	19*,40/02;4/03
525	3	14,18/02	11343	36	7,17,21,23,37,40,49/02; 4/03	11424	17	21,24,36,42/02;4/03	11537	33	7*,8,9,13,17,20,23,31,32, 33,39,40,42,44,50/02;4, 5/03
526	10	7,9,12,18,47/02;6/03	11344	34	5,7,10,12,13,16,17,19,24, 28,30,38,40,43,47,49, 51/02;4/03	11425	34	46*,49/02;4/03	11539	18	2,9,39,44,51/02;6/03
530	30	22*,26,37,38,40,52/02; 6/03	11345	30	10,12,16,40,51/02	11426	35	31/02*	11541	32	2,8,13,18,20,21,30,39,44, 47/02;6/03
531	21	18*,47,52/02	11346	33	42*,43,47,49/02;4,6/03	11427	33	2/03*	11542	15	39/02
532	17	5,17,38/02	11347	19	23/02;6/03	11428	32	52/02*/6/03	11543	22	13,18,29,39/02
540	16	51/02	11348	19	23/02;6/03	11429	21	47/02*	11544	37	36/02*
541	2	6/03	11349	40	38*,42,51/02	11430	24	16/02	11545	60	45*,47/02;6/03
550	7	18,24,45/02;6/03	11350	24	15/02*	11431	12	31/02*	11547	35	22*,25,29,30,37,47/02; 6/03
601	4	14/02;6/03	11351	37	5,6,8,9,10,11,12,15,16, 19,22,27,28,30,33,36,37, 38,40,47,51/02;5,6/03	11434	24	21/02*	11548	38	47/02*
602	6	12,47/02;6/03	11352	36	3/03*	11435	13	N10/02	11555	38	36/02*
603	6	47/02	11353	2	21*,24,25,26,35,38,43, 45,49/02;4,5/03	11436	30	36/02	12200	47	38*,42,52/02
604	5	12,18/02	11354	23	5,6,8,12,15,16,19,22,27, 28,33,37,38,40,47,51/02	11437	35	38/02*	12201	25	N14,N15,N17,N19,N23, N42,N52/02
605	4	9,12/02;6/03	11355	24	37*,40,51/02	11438	29	33,36/02;6/03	12204	34	13,20/02
606	1	9/02	11356	34	9,11,12,13,28,29,39,40, 42,45,47,51/02;6/03	11439	25	15/02*/6/03	12205	27	37*,43,52/02
607	1	7/02	11357	35	36*,37,40,42,51/02;6/03	11440	33	6/03	12206	29	31*,33,38,46/02
621	5	7,22/02	11358	51	23*,24,26,27,31,39,42, 51/02	11441	39	13,36/02;6/03	12207	20	2,11,23,50,52/02
622	9	9,12,14,20,47/02;6/03	11359	11	22*,26,39/02	11442	33	26*,28/02	12208	8	12*,18,23,50,52/02
623	9	14,47/02	11360	40	1*,2,5,6/03	11444	16	28/02	12210	35	22*,28,43,51/02
624	3	22/02	11361	69	13*,16,17,19,22,24,25, 26,27,31,34,36,45,51/02; 6/03	11445	36	52/02*	12211	40	15*,27,28,51/02
632	8	15,24,45/02	11362	4	N5,N6,N7,N8,N10,N12, N13,N14,N16,N17,N18, N22,N23,N24,N28,N29, N31,N33,N36,N39,N40, N47/02;N2,N5,N6/03	11446	37	47*,50/02;4/03	12214	43	5,11,12,23,26,27,42/02
703	4	46/02	11363	38	51/02;4,5/03	11447	39	42*,43,49/02	12216	27	47/02*
705	3	12,46,52/02	11364	39	3*,4,5/03	11448	22	22*,28/02	12217	73	52/02*,1,4,6/03
709	2	50/02	11365	17	52/02*	11449	16	28/02	12222	42	13*,27,30,33,34,38,43, 44,46,50,52/02;5,6/03
800	4	17/02	11366	7	48*,51/02;5,6/03	11450	36	52/02*	12224	22	34,39,43,46,47/02
803	1	8,17/02	11367	21	5,12,16,17,25,33/02	11451	30	26*,27,28,29,30,51/02	12225	53	28*,30,31,47/02;4,6/03
1113A		5,20,39,42/02;4/03	11368	22	38/02*	11452	21	31/02*	12226	16	2*,22,30/02
1114A		9*,11,23,39/02;4/03	11369	43	5,8,12,16,17,25,30,33,35, 38,39,43,49/02;4,5/03	11453	16	47,51/02;4/03	12228	29	43/02*
1115A		1*,2,5,6/03	11370	23	2*,5,6,17,31,33,40,45,51/02	11454	6	N2,N16/02	12230	59	52/02*,1/03
1116A		2*,5,6/03	11371	35	9/02	11455	19	2,4,15,16,31,34,49/02;6/03	12231	26	9*,14,31,35,36,46/02
1117A		28*,30,31,37,39,40,41, 42,45,51/02;1,6/03	11372	35	30,32,35,35/02	11456	16	16,27,51/02	12233	35	3*,4,5,6/03
11004	7	4,7,8,9,10,11,12,13,15, 16,18,22,26,28,31,37,39, 40,42,43,45,47,51/02;5, 6/03	11373	38	51/02;4,5/03	11457	10	16/02;6/03	12235	29	12*,30,31,47/02;4,6/03
11006	30	28*,36,39,40/02;2,6/03	11374	40	1*,2,5,6/03	11458	16	16,27,51/02	12237	26	14,27,47/02
11009	36	2*,5,12,19,23,24,32,35, 44,51/02;6/03	11375	39	13*,16,17,19,22,24,25, 26,27,31,34,36,45,51/02; 6/03	11459	19	42*,49/02;6/03	12238	37	46/02*,1,4/03
11013	44	18*,20,35,50/02;6/03	11376	17	52/02*	11460	21	15,16/02	12241	21	9*,14,16,34,44,47/02
11300	38	26*,28,30,31,37,39,40, 41,42,45,51/02;1,6/03	11377	7	48*,51/02;5,6/03	11461	32	15,16/02	12243	13	5/02
11301	23	7,10,14,21,37/02	11378	31	5,12,16,17,25,33/02	11462	19	47*,50/02;4/03	12245	60	12*,14,15,27,30,33,38, 46,49,50,52/02;5,6/03
11302	29	34*,37/02	11379	17	52/02*	11463	17	9/02*	12248	39	18*,30,33,40,50/02;4,5, 6/03
11304	12	10/02	11380	69	13*,16,17,25,33/02	11464	19	9/02*	12251	23	10,35/02;4,6/03
11305	1	N6,N7,N11,N21,N26, N29,N36,N46/02;N1, N6/03	11381	7	48*,51/02;5,6/03	11465	16	19/02*	12252	23	5,33,34,42,46,50/02
11307	36	9,13,28,31/02	11382	31	5,8,12,16,17,25,30,33,35, 38,39,43,49/02;4,5/03	11466	9	N11,N24,N39/02	12254	43	38*,43,44/02
11308	22	3/03*	11383	42	31*,33,37,40,41,42,45, 49/02	11467	16	19/02*	12255	15	13*,44/02
11309	36	13*,14,21,26,28,36, 46/02;1,6/03	11384	31	5,12,16,17,25,33,40,51/02	11468	8	N11,N12,N24,N39/02	12256	13	19*,33,44/02
11310	1	N4,N7,N8,N21,N46/02	11385	30	2/03*	11469	9	N6,N32,N35/02;N1/03	12261	28	37*,44/02
11311	23	15*,21,46/02	11386	42	31*,33,37,40,41,42,45, 49/02	11470	16	19/02*	12263	51	38/02*
11312	3	2*,4,7,8,21,26,28,36, 46/02;1,6/03	11387	34	45*,49,50/02;1,2/03	11471	28	11/02	12264	28	38/02*
11313	22	4,31/02	11388	35	1*,2,5,3/03	11472	33	2,18,22,28,29,30,34,37, 38/02*	12266	27	30/02
11314	21	4,8,14/02	11389	48	9*,13,15,16,21,22,23,25, 27,29,31,40,43,50/02;	11473	1	4,11,16,18,26,28,31,34, 40,49/02;1,4,5/03	12268	10	22/02*
11315	30	37/02*	11390	39	2*,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, 35/02;2/03	11474	39	52/02;1,5/03	12270</		

SECTION I

NM 6/03

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 6/03**

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.
16606	11	37/02*	17528	N8,N43/02;N6/03	18525	33	4,7,11,14,15,28,31,33/02; 4/03	19007	16	51/02	
16608	3	6/03	17541	3	8,43/02	19010	17	45*,51/02			
16645	18	13/02*	17542	6	47/02	19013	16	25,51/02			
16646	12	5/02*	17543	17	9,11,13,41/02	19320	16	23,27,35,37,51/02;5/03			
16660	28	7,13,22,25,29,42/02;6/03	17545	13	9,43,47/02	19324	22	27,35/02;5/03			
16662	6	3,22,29/02	17546	22	9,13,42,43,47/02	19327	10	23/02			
16663	6	3,7,13,22,25,29,42/02; 6/03	17549	6	13,47/02	19330	9	6/02*			
16665	7	7,13,22,25,29,42/02;6/03	17550	4	15,42,43,P44,45,47,48, 52/02	19339	1	N25,N35,N49,N51/02; N5/03			
16680	10	6/02;6/03	18000	8	8,45/02;6/03	19340	26	25,35,49,51/02;5/03			
16681	10	37/02*	18002	6	N8,N45/02;N2,N6/03	19341	9	7/02*			
16682	14	6/02;3/03	18003	18	10,26,33,38,39,40,P44, 45,47,48,52/02	19347	17	25/02			
16683	9	3,6/03	18005	4	N6,N8,N20,N34/02;	19350	11	27/02			
16700	27	21*,49,52/02	18006	3	N6/03	19351	9	25/02			
16701	18	21*,52/02	18007	31	6,10,14,20,26,33,34,37, 38,39,40,47,52/02	19355	22	42*,49,51/02;5/03			
16702	10	8,38,52/02;1/03	18008	7	N6,N10,N14,N20,N26, N33,N34,N37,N38,N39,	19358	20	28/02*			
16705	19	5*,49/02	18009	2	N40,N47,N52/02	19360	1	N37,N51/02			
16707	10	34,37/02	18010	20	6,33,34,37,38,39,40/02; 6/03	19362	12	49/02			
16708	25	37,49/02	18020	36	6,8,20,34,37,45/02;6/03	19366	36	13*,31,49/02;5/03			
16709	22	15*,49/02	18022	33	13*,23,34,37,45/02;6/03	19367	37	22,31,49/02			
16711	2	15/02*	18024	43	2*,6/03	19369	5	22,31,49/02			
16713	2	13*,49/02	18026	12	5/02	19379	1	N25,N51/02;N5/03			
16741	9	46/02	18027	22	4/02	19380	14	25,51/02;5/03			
16760	10	51/02	18043	21	4/02;6/03	19381	8	25,49,51/02			
16762	9	26/02*	18045	12	43/02	19383	17	49/02;5/03			
17003	4	8,9,47,52/02	18046	5	5/02	19385	7	20/02*			
17005	10	8,9,11,41,45,47,52/02	18047	5	4,8/02	19387	9	N25/02			
17008	12	8,13,43/02	18049	8	11/02	21005	5	45/02;2/03			
17300	30	52/02*	18049	9	8/02	21008	62	39,42,43,50/02;1,2/03			
17302	18	21*,51/02	18415	8	5,13,42/02	21011	5	2/03			
17303	9	15,37/02	18416	6	10,P44,48/02	21014	72	42,50,52/02;2,3,4/03			
17315	23	2/03*	18419	11	47/02	21017	50	23,41,50/02;4,5,6/03			
17316	20	28/02*/;3/03	18420	1	13/02	21020	42	23,41/02;5,6/03			
17320	15	15/02	18421	45	2/03*	21021	3	45/02			
17327	20	5/03	18423	33	1*,5/03	21023	41	5,34/02			
17330	7	15/02	18427	21	35/02*	21026	47	5,13/02			
17360	32	44/02;1,6/03	18428	9	19/02*	21033	46	14,20,32/02;1/03			
17372	10	2/02	18429	9	3/03*	21036	7	1/03			
17379	1	15*,20/02	18430	7	28/02*/;6/03	21053	9	47,50,51,52/02			
17381	10	13/02*	18431	6	2/03*	21122	5	47/02			
17382	14	44/02;1,6/03	18432	4	5/02	21125	13	51,52/02			
17383	1	31*,49/02	18433	5	2/03*	21126	1	50/02			
17384	7	44/02	18434	4	15,26,P44,48/02;6/03	21140	1	45,50/02			
17385	13	44,48/02	18440	26	3/03*	21141	23	48/02			
17400	16	14,15,36/02	18441	42	30*,32,39/02;6/03	21160	1	45/02			
17401	10	1/03	18443	15	7,8,17,39/02;6/03	21161	19	43,48/02			
17402	10	46/02*	18443	5	4/02	21166	26	23,27,30/02;4/03			
17409	10	39/02*	18443	5	2/03*	21166	20	30/02			
17412	2	12/02	18444	4	15,26,P44,48/02;6/03	21166	4	23,27/02;4/03			
17413	2	13,14,43,50/02	18446	26	3/03*	21166	1	2/03			
17414	3	41/02	18447	42	30*,32,39/02;6/03	21301	13	3/03			
17416	3	13/02	18448	15	7,8,17,39/02;6/03	21342	28	41,44/02			
17420	26	14,36,37,42,43,50/02; 1/03	18449	15	7,8,17,39/02	21384	3	23/02;6/03			
17421	1	14/02	18450	29	4,6,7,8,12,15,17,22,28, 32,33,39/02;6/03	21441	27	34,44/02			
17422	8	52/02*	18446	15	4,6,8/02;6/03	21489	1	13/02			
17425	6	18/02*	18447	26	4,11,27,52/02;6/03	21500	1	5/02			
17426	13	37/02;1/03	18448	32	12,15,17,33/02	21510	1	13/02			
17427	7	11,12,14,16/02	18449	17	15,17/02	21520	1	5/02			
17428	7	5/03	18452	16	17/02	21521	14	5/02			
17429	2	N38/02*	18453	23	28,38/02;6/03	21529	1	14/02			
17430	10	5/03	18455	2	N17,N22,N39/02	21540	36	5/02			
17434	11	11/02;5/03	18456	19	12/02	21563	3	45/02			
17437	8	14,16/02	18457	9	12,15/02	21601	4	14/02			
17438	12	10,12,14,16,50/02	18458	14	6,7,17,22,32,39/02	21602	1	28/02			
17443	12	8,10/02	18459	5	N7,N17,N22,N32, N39/02	21603	9	5/03			
17444	4	10,12/02	18460	11	2*,6/03	21605	7	19/02			
17445	2	12,16/02	18464	22	9,32/02	21661	12	6/03			
17460	N12/02;N5/03		18465	35	2/03*	22004	38	18,20,23,30,32,34,36,39, 41,43,52/02			
17465	4	6/03	18471	8	13*,32/02	22008	35	4,13,18,30,34,36,39,41, 43,44,48,52/02;6/03			
17471	N15/02;N6/03		18473	7	4/03*	22012	31	4,14,16,30,34/02;6/03			
17472	4	5/03	18474	7	45/02*	22036	28	18,47/02			
17480	4	8,15,43/02;5/03	18476	4	6,7,12,17,22,32,39/02	22050	4	19/02			
17485	4	16/02	18477	5	4,12/02	22051	18	28/02			
17489	19	8,43/02	18480	29	2*,6/03	22052	6	28,46/02			
17491	3	8/02	18480	29	2*,6/03	22080	3	20,32/02			
17495	2	8,43/02	18484	10	28,40/02	22082	4	4,17,19/02			
17503	4	11,43/02	18485	15	2/03*	22083	5	19/02			
17506	N8/02		18500	28	19*,22,32,39/02	22084	4	42/02			
17513	N8,N11,N42,N43/02		18502	84	30*,32,39,42,49/02	22090	2	30,32,43/02;4/03			
17515	7	8,11,12/02;6/03	18504	64	18,52/02	22100	3	20,32/02			
17517	8	4/02;6/03	18520	24	10,33,39/02	22101	19	16,20,32,43/02			
17518	7	6,P44,48/02	18521	69	34*,39,49/02;4/03	22111	4	32/02			
17519	13	4/02	18523	53	3,7,10,12,15,25,26,33/02;	22112	3	23,25,30,32,43/02			
17520	2	N4/02;N6/03		4/03		22113	8	23,25,30/02			
17521	N8/02		18524	33	18*,26,28,31,33/02;4, 6/03	22114	5	16,32,42,43/02			
17525	N8/02										

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 6/03

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.
22120	3	8,18,23,30,34,36,39,41, 43,52/02	23152	3	37/02	24462	5	15,47/02	26145	10	8/02
22121	9	6,8,17,23,30,34,36,44, 52/02	24000	39	27,29/02	24463	6	24,39/02	26147	31	8,10,13/02
22124	2	17,34,52/02;6/03	24004	36	5,7,29,30/02	24465	6	15,23,33,47/02	26148	4	8,13/02
22125	1	18,36/02	24008	42	7/02	24469	1	20,46,47/02	26210	2	24,36/02
22126	1	36/02	24012	40	6/02	24470	4	28,39,47/02	26229	11	17/02
22130	2	44/02	24016	53	30,39/02	24471	8	28,47/02	26230	12	17/02
22138	2	8,18,41,44,48/02;6/03	24020	47	27/02	24480	1	14,17,25,27,41,44,45, 49/02	26240	7	23/02
22140	2	4,30,34,36,44/02	24028	6	23,48/02	24482	2	24,49/02	26245	16	51/02
22142	2	39,41,43/02	24050	11	27,31,34,38,49/02	24483	2	20,24,49/02	26259	2	51/02
22143	3	6,8,17,41,52/02	24052	15	31,37,38/02	24484	3	24,49/02	26260	5	12,24/02
22145	2	N41/02	24053	16	24/02	24490	3	24,31/02	26280	7	8,23/02
22160	2	4,30,34,39,41,48,52/02	24055	6	37,49/02	24491	3	31/02	26282	6	8/02
22170	3	13*,30,39/02;6/03	24057	4	31,38,49/02	24492	20	31,46/02	26290	1	8/02
22172	8	48/02*;4,6/03	24058	2	31,32,37,38/02	24501	3	14,17,27/02	26303	4	13/02**
22173	36	48/02*;6/03	24060	2	34/02	24502	6	46/02	26305	4	13/02**
22180	2	30,34/02	24080	5	29/02	24504	7	17,41,45,46/02	26306	14	8/02
22181	16	17,27,39,41/02	24091	6	26/02;6/03	24508	2	18,19,41,45,46/02	26308	4	8,15/02
22182	6	7,8,30,34/02	24092	14	26/02;6/03	24509	2	17,45,50/02	26309	26	8,17/02
22183	3	20/02	24100	5	27,29/02	24510	2	17,18,19,41,45,46,50/02	26320	5	5,8,12,15,24,27,28,29, 35/02
22190	2	30/02	24101	3	37,41/02	24512	3	25,29,44,46/02	26323	4	1/03
22205	2	14,16/02	24102	3	37,41/02	24513	18	46/02	26327	2	N41/02*
22221	20	20/02	24110	3	27,29/02	24517	2	18,19,46,49/02	26328	2	15/02
22222	1	4/03	24130	14	24,29/02;5/03	25001	7	9,12,17,19/02	27005	4	5,8,9,12/02;6/03
22250	2	42/02	24132	13	10/02	25017	5	9,12/02	27041	4	50/02
22259	4	20/02	24140	18	4,32/02	25018	9	9,12/02	27080	4	5,20/02
22264	2	20,42/02	24141	4	5/03	25400	1	23,26,35,48/02	27081	6	49/02
22275	3	20,42/02	24142	43	5,6/03	25480	1	20,42,46/02	27082	6	9,18,49,51/02
22282	17	19/02	24149	1	32/02	25481	25	4,26/02	27100	2	31/02
22283	3	N19/02	24150	27	6,27,29,30,32/02	25484	23	11/02*	27120	4	41,43,44/02
22290	4	20/02	24151	4	29,32/02	25485	45	23,26/02	27163	21	9,49/02
22293	15	20/02	24152	2	30/02	25487	2	23,26/02	27183	8	5/02;1/03
22313	2	44/02	24153	6	10,30/02	25524	43	11,33/02;1,5/03	27186	8	5/02;1/03
22314	1	44/02	24154	12	10/02	25525	17	1,5/03	28004	1	5,20,23,45/02
22341	9	19,43/02	24156	2	22/02	25526	2	11,19,33/02	28050	3	13,28,34/02
22342	9	19/02	24159	1	27/02	25527	31	11,33/02	28110	2	15/02*
22343	1	N19,N43/02	24160	21	6,27,28/02	25528	5	21,42/02	28162	29	28/02
22344	5	N42/02	24161	11	11,27,42/02	25550	2	17,19,24/02	28164	17	28/02
22345	11	42/02	24162	9	4,11,22,27,42/02;6/03	25563	50	17,33/02	28170	1	4/02
22347	5	N19/02	24164	6	10,27/02	25565	7	33/02	28190	2	41,43,45,46/02
22351	1	N43/02	24170	14	5,6/03	25566	27	17/02	28196	4	41,43,45/02
22361	2	N7/02	24171	19	5,6/03	25567	16	19/02	28197	4	45/02
22371	5	7/02	24172	4	5,6/03	25570	3	19,31/02	28202	22	41,44/02
22373	1	N50/02	24200	14	6/02	25575	4	4,31/02	28210	2	33,35,39,41/02
22375	1	N19/02	24211	7	24/02	25600	47	24/02	28220	2	35,39/02
22379	1	N50/02	24220	14	27,28/02	25601	34	10,17,19,20/02	28221	18	33,37,39/02;5/03
22381		N19,N43/02	24222	3	27/02	25607	4	24,39/02	28223	4	35,39/02
22395	2	4,19,42/02	24223	33	18/02	25608	21	10,17/02	28260	30	35,37/02
22403	1	N45/02	24230	20	10,18,30/02	25609	5	30/02	28263	3	35,37/02
22404	15	46/02	24233	15	36,43/02	25613	2	5,14,30/02	28264	3	35,37/02
22406	1	N1/03	24234	3	30/02	25640	40	28/02*	28265	3	37/02
22407	1	N4/03	24240	5	30,39/02	25641	26	5*/30/02	28281	32	36/02
22409	4	N45/02	24250	5	30,39/02	25644	12	42/02	28282	2	35/02
22410	32	4,7,11,43,44,46/02	24251	23	24,34,43/02;6/03	25645	17	15/02*	28300	1	23,39,50/02
22412	2	7/02	24252	5	30,39,43/02;6/03	25646	7	N42/02	28302	16	31,33,39,40/02
22413		N45/02	24260	5	34/02	25649	18	18,30,35/02;4/03	28310	2	23,31,33,35,39/02
22418	2	24,36,44,46/02	24270	3	24,27/02	25650	33	22*/30/02	28320	6	33/02
22420	2	4/03	24290	3	36,43/02	25663	27	19/02*	28321	36	29/02
22421	4	N4,N7,N11,N43,N44, N46/02	24291	4	36/02	25668	18	15*,16,48/02	28323	2	27,29/02
22425	2	7,11,44,46/02	24293	6	6,32,36/02	25673	15	28,42/02	28325	2	27,29/02;5/03
22427	1	N4,N43,N44,N46, N50/02	24294	22	6,36/02	25677	19	4,21,52/02	28330	2	27/02
22429		N24,N46/02	24295	4	27/02	25681	15	4/02;4/03	29015	5	2,22/02
22433	3	39,47/02	24321	3	6/03	25683	17	30,49,52/02;5/03	29121	5	32/02
22436	2	39/02	24322	6	28,34/02;6/03	25687	11	12,15,35/02	29122	5	32/02
22471	31	18,44/02	24350	2	31,51/02	25700	3	8,12/02	35000	26	11,13,23,24,47,48/02
22481	35	43,44/02	24355	2	51/02	25710	2	8,12/02	35008	21	45,48,50/02;5/03
22482	16	44,50/02	24370	1	34/02	25720	3	8,12,33/02	35009	19	15,40,41,45/02;5/03
23000	5	18/02	24375	2	34/02	25723	40	8/02	35011	2	11,48/02;1/03
23010	4	27,38/02	24380	2	35/02	25724	3	8/02	35016	17	12,29/02
23023	4	27/02	24388	2	35/02	25800	3	24,36/02	35031	3	12,22/02
23030	6	27,38/02	24404	8	14,21,26,35,44,48/02	25841	9	8,10,24,36/02	35036	21	13,17,19,24,30,36/02
23115	3	27/02	24405	10	14,26,35,36,44,48/02	25842	10	8/02	35040	18	21,45/02;4/03
23121	7	30/02	24406	30	20,26/02;2/03	25845	9	8/02	35041	8	21,35/02;4/03
23122	8	23,30,33/02	24408	21	4,14,36,44,48/02	25848	25	8/02;5/03	35042	9	21,27,44/02;4/03
23123	3	30/02	24410	2	21,44/02	25849	13	8,42/02	35044	9	38/02
23124	3	N30/02	24423	2	6,8/02	26050	1	13,34/02	35047	5	13,35/02
23125	4	30/02	24430	5	39/02	26060	1	49/02	35060	14	18,22,40,41/02
23126	6	N24/02*	24431	14	39/02	26081	8	46/02	35080	16	18,22,40/02
23127	4	N24/02*	24434	4	39/02	26083	14	29/02	35084	15	50/02
23128	4	N24/02*	24444	2	6/02	26127	21	5,49/02;5/03	35086	5	31/02
23129	2	N24/02*	24450	3	6/02	26128	50	5,49/02;5/03	35088	2	50/02
23131	7	26,31/02	24452	7	16,26/02	26129	11	4,26/02	35099	3	41/02
23141	7	34/02	24454	5	5/03	26140	2	8/02	35100	14	40,45/02;5/03
23150	10	20,37,52/02	24460	4	15,17,39,47/02	26143	10	8/02	35101	6	41/02
									35103	5	41/02

SECTION I

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NM 2/02 THROUGH NM 6/03**

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55001	4	6,18,29,36,37,42/02	61140	5	12,27/02	62292	2	24/02	63054	3	19*,31/02
55040	4	13,15,18,23,27,28,31,32, 39,41/02	61141	6	38/02	62295	3	2/02	63055	2	5,14,29/02
55041	7	15,22,32/02	61142	6	38/02	62302	2	4/03	63060	7	5,12,25,28,32/02
55042	1	18,21,27,28,42/02	61150	4	12/02	62310	2	6,27/02	63062	7	5,18,28,29/02
55043	2	21,23,27,28,37,39,42/02	61160	3	12/02	62313	4	17*,27/02	63063	9	5,27,29/02
55044	5	22,23,41,43/02	61170	5	13,27/02	62320	2	14,38,40/02	63065	6	18/02
55045	2	18,21,23,41/02	61171	10	13/02	62340	3	38/02	63070	3	20,27,28,29/02
55046	4	4,21,22,23,26,27,30,31, 37,38,39,41,48/02	61172	6	13/02	62360	5	18,38/02	63080	5	26,27,28,31,48/02
55047	8	22,23,26,27/02	61180	4	20,27/02	62361	2	N18,N38/02	63090	8	25,31/02
55048	12	6,23,27,32,36,37,39,41, 48/02	61182	2	13/02	62366	3	38,40/02;2/03	63091	4	26,27,32,39,48,52/02
55049	6	22,27,30,41,43/02	61190	4	39,41/02	62392	7	14*,18/02	63100	2	4,15,44/02
55048	12	6,23,27,32,36,37,39,41, 48/02	61191	8	12,13/02	62393	7	34,37,50/02	63101	15	14,17,19/02
55049	6	22,27,30,41,43/02	61200	7	17,21/02	62394	10	34,37,50/02	63102	19	14,17,19,26/02
55050	7	19,20,36,37/02	61210	6	17/02	62395	2	34,50/02	63103	17	14,17,26,29/02
55063	1	6/03	61220	5	17/02	62400	17	23,24,33/02;4/03	63110	4	40/02
55064	3	4,23,37,48/02;6/03	61240	7	18/02	62401	9	11/02;6/03	63111	9	17,25,48/02
55082	9	5/03	61250	4	18/02	62402	9	2,5,6,15,17,20,49/02	63120	2	44,48,52/02
55084	7	39/02	61310	2	33/02	62404	3	6/03	63121	5	48/02;5/03
55085	9	13/02;5/03	61311	5	17,33/02	62406	2	8,24,33/02	63150	1	14,15,25,31/02
55100	8	29,36,37/02;6/03	61312	3	17,33/02	62408	7	11,15/02	63200	5	52/02
55102	3	24/02;4,5/03	61400	2	27/02	62409	6	2/02	63201	9	40/02
55103	2	9,12,24,29,48/02;1,4, 5/03	61410	2	14/02	62411	1	52/02	63210	3	45,52/02
55104	2	9,48/02;4,5/03	61420	2	14/02	62413	11	33/02	63220	5	26,45,52/02
55105	7	6,9,12,18,29,36,41,42/02	61430	2	14/02	62417	1	52/02	63230	6	17*,45/02
55110	2	4,7,23,24,29,37/02;6/03	61433	1	14/02	62419	6	33/02	63231	8	31,45/02
55120	2	36/02;6/03	61434	2	14/02	62420	5	33,37,39/02	63232	3	45/02
55128	2	4,5,6,9,26,33,36,38/02;1, 4,5/03	61440	2	15/02	62429	9	17,27,39,43/02	63233	15	31/02
55129	7	6,9,33,36,37/02;6/03	61450	2	14,17,27/02	62431	8	26*,27,37/02	63250	6	14*,29,40/02
55130	2	13,27,45/02;5/03	61470	2	15/02	62432	15	4,25,31,34/02;2/03	63271	8	19,52/02
55131	1	27,36,45/02;6/03	61472	1	15,20/02	62433	12	15,30,31,34,45/02;1/03	63290	7	19,31,32,38/02
55133	3	5/03	61500	2	17/02	62434	9	12*,40,46,52/02	63291	9	19,33/02
55139	5	41/02	61510	2	15/02	62437	9	32,46/02	63320	8	30/02
55140	2	1,5/03	61522	1	15/02	62439	4	1/03	63321	6	30,42/02
55150	2	4,6,7,24,28,29,37/02	61538	1	15/02	62440	7	5,15,17,20,49/02;6/03	63322	2	30/02
55160	2	6,18,24,28,29,42/02	61540	2	15/02	62441	10	16,36/02	63324	1	6/02
55161	1	7,29/02	61541	8	4/02	62448	2	2,23/02	63330	9	27,39/02;4/03
55170	2	9,12,18,29,31,36,41/02	61542	6	4/02	62449	4	15/02	63337	15	27,31,39/02;4/03
55175	1	24,28/02	61544	2	15/02	62451	7	2,21,23/02	63400	1	39/02
55180	2	9,33/02;1/03	61550	2	17/02	62453	3	25,33/02	63410	6	39/02
55190	2	6/03	61562	2	6/03	62455	7	17,27,39,43/02	63413	5	39/02
55200	2	12,27/02	61582	4	14,18/02	62456	1	27/02	63417	2	39/02
56031	1	1,2/03	61591	4	8/02	62457	5	5,6,17,20,21,24,36,49/02	63420	2	39,45/02
56042	6	22/02	61592	4	8/02	62459	2	6/03	63424	2	45/02
56043	6	22/02	61610	7	28,29/02	62460	4	6,24,31,33/02	71005	1	7,9,34/02;2,6/03
56044	3	22,38/02	61611	11	28/02	62464	2	15*,31,49,50/02;4/03	71006	5	8,39/02
56060	8	33/02	61612	4	28/02	62480	1	13,15,18,23,30,31,33,37, 43/02;6/03	71009	3	9,39,46,48/02;1,6/03
56063	1	2,14,21/02	61650	3	17/02	62490	1	2,4,12,16,18,25,29,31,32, 33,43,50,52/02	71012	3	19,33,39,46/02;1/03
56064	6	14,38/02;2/03	62000	20	18,46/02	62498	4	12*,23,25,27,31/02;4/03	71018	10	2,5,9,10,15,33,35,37/02
56065	3	33,38/02	62001	4	2,36/02;1/03	62499	4	15*,25,27,31,49,50/02; 4/03	71027	9	7,15,19,20,22,24,25,34, 38,45,49/02;2,4,5/03
56067	3	48/02*	62028	15	5,8,12,18/02	62510	2	6,23,31,33,34/02	71033	31	7,15,23,37,38,49/02;3/03
56081	19	41/02	62032	15	13,16,18,23,29,32,33,43, 50,52/02	62512	2	N6,N23,N31,N33, N34/N24	71036	8	9,11,35,44/02
56083	2	7,31/02	62033	2	11,16,N18,N23,N29, N32,N33,N43,N50, N52/02	62515	2	14,26,45/02	71040	5	27,34,42/02
56100	13	41,49,50/02;1/03	62040	5	13/02	62520	5	5,6,7,13,15,17,20,30,31, 37,43,49/02	71043	2	25/02*
56101	6	33/02;1/03	62046	2	13,39/02	62521	3	N5,N6,N7,N13,N15, N17,N20,N30,N31,N37, N43,N49/02	71044	1	27/02
56102	23	1/03	62050	6	18,44/02	62530	5	7,31,33,43/02	71058	2	23,36/02
56103	6	18,30/02;1/03	62090	7	2/02	62531	3	N7,N31,N33,N43/02	71059	1	23,36/02
56104	2	41,49,50/02	62093	7	2,41/02	62540	6	17*,18,21,23,25,26,29, 31,32,34,40,45,48,50, 52/02	71061	15	23,36/02
56120	12	1/03	62095	2	2,3,16,41,49/02	62541	3	N17*,N18,N21,N23, N25,N26,N29,N31,N32, N34,N40,N45,N48,N50, N52/02	71066	1	39/02;6/03
56191	2	18/02	62110	9	2,4/02	62550	2	7,13,30,43/02	71071	5	15/02
56195	3	22/02*	62120	6	11/02	62560	3	2,21,23,25,29,52/02	71081	3	16/02
57063	5	40,41/02	62121	9	11/02	62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02	71091	4	1,2/03
57064	3	41/02	62140	1	34,40/02	62580	3	2,4,14,23,26,32,33,45/02	71140	6	33,39,46/02;1/03
57101	18	41/02	62142	10	24,28/02	62590	2	4,9,12,16,28,29,36,40,46, 48/02	71180	29	2,8,10,33,37/02
57120	13	43/02	62143	3	24,28/02	62591	3	N4,N9,N12,N16,N28, N29,N36,N46,N48/02	71183	13	32/02
57140	10	43/02	62144	3	24/02	62595	3	5,12,27,28,48/02	71212	1	18,38/02
57141	14	43/02	62170	2	38/02	62596	3	2,21,23,25,29,52/02	71223	8	17/02
57142	6	43/02	62171	4	38,47/02	62597	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02	71230	11	23,38/02;6/03
57160	10	43/02	62191	14	22,29,41/02;1/03	62598	3	2,4,12,16,28,29,36,40,46, 48/02	71239	3	4/02
57161	4	31/02	62193	17	17*,19,31/02	62599	3	5,12,27,28,48/02	71241	10	18/02;6/03
57162	7	43/02	62194	8	17*,18,19,31,36/02;4/03	62600	13	5,12,27,28,48/02	71243	4	33/02
57164	2	43/02	62195	6	22,36,41/02;1/03	63000	18	4,15,25,31/02	71247	18	20,21/02;5,6/03
57165	1	43/02	62220	8	8/02	63005	18	4,15,25,31/02	71248	2	N51/02*N1/03
57166	1	43/02	62225	3	17*,37/02	63010	14	26,29,31,52/02	71249	2	35/02
57170	1	43/02	62242	11	47/02	63015	11	31,38,40,45,48,50/02	71251	11	20,35,40/02;1/03
57381	12	52/02	62250	4	34,38/02	63020	15	27,31/02;4/03	71252	10	14,21,35,40,42/02;5,6/03
61015	8	17/02	62255	6	22,36,41/02;1/03	63025	13	5,12,27,28,48/02	71253	5	9/02;6/03
61018	4	18,24/02	62270	8	37,41/02	63040	2	12*,46/02	71255	9	2,4,9,15,18,20,21,28,35/02;
61020	2	17,28/02	62271	5	37,41/02	63050	2	5,12,17,46/02	71256	2	5,6/03
61021	3	18/02	62275	4	37,41/02	63053	4	12*,14/02	71257	2	18,20,21,33/02;1/03
61036	8	8,27/02	62290	3	2,11,26,37,41/02						
61110	3	12,28/02									

SECTION I

NM 6/03

CHARTS AFFECTED BY NOTICE TO MARINERS NM 2/02 THROUGH NM 6/03

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.
82649	5	3,18,20,33/02	93022	4	6,18/02	94208	6	N44/02	95174	1	17,50,52/02
82683	4	6,18,33/02	93025	5	45/02	94216	6	27,45/02	95176	2	16,20,31/02
82684	3	3,12,18,33,38/02	93030	6	6,18,45/02	94217	4	30/02;6/03	95177	1	18,41,50/02
82689	3	5,6,18,38/02	93032	3	45/02	94218	3	30,36/02;6/03	95180	11	9,15,17,18,27,40,42,44, 49/02;1,6/03
82690	10	6,18,19,20/02	93043	1	45/02	94219	1	47/02	95185	2	20,31,40,44,49/02
82694	6	38/02	93046	1	9,45/02;5/03	94220	4	22,26,41,42,47,49/02	95250	4	12,44/02;1,6/03
82697	6	38,46/02	93047	2	45,49/02	94260	5	49/02;1,6/03	95255	2	44/02;1/03
83010	6	6/03	93048	1	35,49/02;5/03	94280	5	51/02	95258	3	6/03
83020	8	7/02	93049	1	45/02;4/03	94281	6	6/03	95261	7	48/02;1,5/03
83021	1	25,27,43/02	93061	4	45/02	94282	9	46/02	95262	13	41,46/02;1,6/03
83023	4	25,27,43/02	93101	2	N24,N34,N38/02;N2/03	94283	7	46/02;2/03	95264	8	6,48/02
83026	32	18,41/02;6/03	93110	2	22,24,38,40,41/02;1,2/03	94290	2	1/03	95267	5	11,17/02
83032	1	18/02	93113	2	19/02	94360	6	18,32,43/02;6/03	95268	16	39,48/02;6/03
83034	1	12/02	93115	2	40,41/02	94361	13	18,32/02	95270	4	8,48/02
83039	11	9,12,41/02;6/03	93117	2	19,40,41/02	94363	4	32,43/02	95271	4	44,48/02
83251	2	2/03	93160	4	15*,27,34/02;1/03	94380	4	N5,N6/03	95273	2	48/02
83252	8	18/02;2/03	93180	7	27,34/02	94384	3	5/03	95274	3	48/02
83253	2	18/02	93200	4	9,26,27/02	94420	3	5,39/02;4/03	95276	3	21/02*
83382	9	20,25,27/02	93220	6	17,27,34/02	94421	10	15,45/02;4/03	95280	9	2,17,48/02
83383	2	20,25,27/02	93240	11	17,34/02	94423	12	19,45/02	95282	7	46,52/02;4,6/03
83385	19	20,27/02	93243	6	42/02	94427	2	N32/02	95300	5	2,16,45,48,52/02
83392	5	31/02	93247	4	26/02	94440	2	46/02	95320	15	8,35,38/02
83393	2	N31/02	93260	8	27,31/02	95016	8	9,12,40/02	95341	8	8,10,11,18,19,42,47/02; 1/03
83397	6	8,18/02;1/03	93261	5	31/02	95040	8	4,40/02	95342	16	30/02
83425	6	3,20,35/02	93360	5	38/02	95060	13	4,10,14,15,16,40,43,44, 47,48,52/02;1,6/03	96000	5	6,8/02
83500	1	9,12/02	93385	6	6,18/02	95065	5	4,14,48/02	96004	14	16,17,44,45/02
83560	3	9/02	93404	6	6/02	95066	11	4,10,13,14,15,16,18,19, 20,41,43,44,47,48,49, 50/02;1,5,6/03	96012	16	7,8,11/02
83570	2	5,24/02	93420	4	18/02	95068	5	15,45,52/02;1,6/03	96016	7	11,12/02
83572	1	24/02	93440	4	18/02	95076	13	18,41,44,46/02;1,5/03	96020	4	6,7,41/02
83574	2	5/02	93460	7	6/02	95068	1	41,42,45,47/02	96024	3	6,7,8/02
83580	2	12,24/02	93520	13	45/02	95080	13	8,10,13,16,18,25,27,30, 33,40,44,45,50,52/02;1, 6/03	96028	5	6,7,8/02
91005	6	7,10,11,45/02	93610	3	4,45/02;6/03	95082	9	10,13,19,21,25,27,30,33, 44,46/02;1,4/03	96039	7	16,17,30/02
91008	1	12,29,44,48/02	93650	2	19,44/02;6/03	95083	8	21,25,33/02;1,4/03	96041	11	16,17,30/02
91010	6	29,48/02	93652	2	3,6/03	95084	7	15,16,18,50,52/02	96042	11	16/02
91020	5	10,19,21,22/02	93680	3	45,47/02	95085	4	15,45,52/02;1,6/03	96043	8	16/02
91025	8	7,10,21,22/02	93690	2	44/02;6/03	95086	5	15,45,52/02;1,6/03	96044	10	8,29,30/02
91030	3	7,10,11,21/02	93698	3	45/02	95100	12	7,8,9,10,13,14,15,16,18, 38,39,43,44,45,46,47,50, 52/02;1,4,6/03	96120	6	30/02
91040	1	10,11/02	93710	3	14,26/02;6/03	95101	8	8,13,14,15,39,44,50/02;1, 5,6/03	96130	2	9/02
91080	4	11,21/02	93720	10	39,45,50/02	95102	8	8,10,13,38,42,45,46,47, 48,50,52/02;1,4,5/03	96140	5	30/02
91096	1	21/02	93721	5	5,8,9,20,22,26,32,39,42, 45,50/02;4/03	95103	8	8,13,42,43,45,47,52/02;4, 6/03	96141	4	9/02
91170	2	38,41,44/02	93725	6	20,45/02	95104	12	7,8,9,10,13,14,15,16,18, 38,39,43,44,45,46,47,50, 52/02;1,4,6/03	96181	5	9/02
91240	5	7,10/02	93726	4	26,48/02	95105	8	8,13,14,15,39,44,50/02;1, 5,6/03	96200	5	8,9/02
91280	7	19,22/02	93730	3	6,21,39,40,42,45,47, 50/02;2,4/03	95106	8	8,10,13,38,42,45,46,47, 48,50,52/02;1,4,5/03	96240	4	8,11/02
91286	10	13,20/02	93733	13	5,6,17,21,22,26,32,39, 45/02;4/03	95107	8	8,13,14,15,39,44,50/02;1, 5,6/03	96300	4	11,12/02
91289	19	13,19,20/02	93734	11	6,17,22,26,32,45/02;4/03	95108	8	8,13,14,15,39,44,50/02;1, 5,6/03	96320	4	12/02
91294	8	10,14/02	93736	22	5,6,8,11,16,22,26,32, 41/02;4/03	95109	8	8,10,13,38,42,45,46,47, 48,50,52/02;1,4,5/03	96340	4	12/02
91297	9	10,14/02	93778	8	14,47/02	95110	8	8,13,14,15,39,44,50/02;1, 5,6/03	96360	4	12/02
91300	3	10,21,22/02	94004	6	2,12,14,19,29,30,33,37, 37,42/02	95111	8	8,13,14,15,39,44,50/02;1, 5,6/03	96441	1	41/02
91309	4	13/02	94016	2	12,23,33,35,52/02;3/03	95112	7	6,13,17,20,21,42,43, 52/02;1,4/03	96480	3	6,7,8,41/02
91331	3	10,21/02	94028	7	7,8,9,13,14,23,25,40,42, 52/02;1,4/03	95113	8	45,46,48,49,50,52/02	96500	6	6,8,41/02
91340	3	11,19,21/02	94040	13	30,37,47,51/02;6/03	95114	8	45,46,48,49,50,52/02;1/03	96521	3	N19/02*
91360	2	11/02	94042	9	47,51/02	95115	14	7,8,10,14,15,18,22,38,40, 41,44,48,49,52/02;1/03	96640	5	6/02
91400	2	10/02	94060	10	2,5,27,29,30,33,37,46, 47/02	95116	15	7,8,10,19,36,38,39,40,41, 44,46,47,48,50,52/02;	96645	1	26/02
91407	2	10/02	94061	5	2,5,19,33,35,47/02	95117	8	7,8,10,19,38,41,46,48,50, 52/02;1,6/03	96760	4	5,7,29,35,45/02
92006	5	45,46/02;5/03	94063	4	29,33,41/02	95118	9	7,14,45,47,50,52/02;1, 6/03	96762	3	29/02
92010	3	19/02	94067	10	33/02	95119	8	7,14,15,27,29,30,33,37,38,41, 42/02;1,6/03	96763	7	29,43,48/02
92020	2	19/02	94100	13	30,37,47,51/02;6/03	95120	7	6,13,17,20,21,42,43, 52/02;1,4/03	96764	2	5,19/02
92025	3	10,11,13,21/02	94042	9	47,51/02	95121	8	45,46,48,49,50,52/02	96780	4	4,11/02
92030	4	7,10,11,19,21/02	94060	15	7,8,10,14,15,18,22,38,40, 41,44,48,49,50,52/02;1/03	96800	4	19*,41/02			
92033	5	45/02	94082	8	5,13,14,25,27,30,44/02	95122	8	46,39,48,52/02;1/03	96820	4	7,8/02
92060	3	21/02	94083	12	5,13,17,25,44/02	95123	9	7,14,44,45,46,47,48,49, 50/02;1,5,6/03	96881	2	7/02
92061	3	21/02	94084	1	5,6,13,23,25/02	95124	10	7,14,45,47,48,49,50,52/02;	96882	4	7,8/02
92110	3	13/02	94120	6	12,19,21,33,38,44,52/02	95125	9	8,10,19,38,41,46,48,50, 52/02;1,6/03	96883	9	7/02
92115	1	13,15/02	94122	7	19,30,40/02	95126	14	7,10,19,36,38,39,40,41, 44,45,46,47,48,49,50,52/02;	96900	4	5,7/02
92120	3	5/02	94123	9	12,21,33,38,42,44,52/02	95127	17	13,15,18,34,36,37,38,40, 41,44,47,48,49,50,52/02;	96901	3	5,7,19,27/02
92200	3	10,19/02	94124	13	38,42,44/02	95128	15	47,50,52/02;1,5/03	96902	2	5,7,45/02
92210	3	18*,19/02	94127	2	21,33,38/02;6/03	95129	5	37,38/02;6/03	96904	2	5,27,41/02
92214	4	3,19/02	94160	7	2,26,27,33,38,44,46,47, 50,51,52/02	95130	2	47,50,52/02;1,6/03	96906	2	27/02
92216	3	23/02*	94164	2	2,26,27,44,50,51/02	95131	16	4,27,31,40,44,45,48,50/02;1, 6/03	96910	1	6,7,8/02
92242	2	3/02	94184	2	N51/02	95132	3	4,27,31,40,44,45,48,50/02;1, 6/03	96937	2	40/02
92290	2	7,11/02	94187	3	32/02	95133	17	4,27,31,40,44,45,48,50/02;1, 6/03	96938	4	9,02/4,03
92293	2	7,11/02	94188	2	44,46,47,51/02	95134	2	4,27,31,40,44,45,48,50/02;1, 6/03	96941	8	47/02
92310	4	5,11,13/02	94201	1	51/02	95135	2	4,27,31,40,44,45,48,50/02;1, 6/03	96943	15	44/02;1/03
92320	4	7,10/02	94203	10	22,26,41,42,44,46,47, 52/02	95136	2	4,27,31,40,44,45,48,50/02;1, 6/03	96944	6	45,52/02;6/03
92380	3	7,10,11/02	94206	3							

SECTION I

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 6/03**

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.
97026	10	23/02	97245	11	7,17,28,36/02;1,5/03	805647	2	N37,N51/02
97029	3	19/02	97246	7	43,52/02;5/03	807861	2	N27/02
97040	5	43,47/02	97251	4	6/03	808528	1	N25/02
97041	9	45,47/02	97261	15	10,17,18,41/02;1,5/03	809310	9	N13,N18,N39/02
97043	2	17,23/02	97262	10	21,29,34/02;1,5,6/03	809679	2	N25,N50/02
97060	8	9,46/02	97263	10	5/03			
97061	3	52/02	97266	5	10,17,37,41/02;1,5,6/03			
97062	12	8,9,27,44/02;6/03	97267	16	17,18,25,29,40,41/02;1,5,6/03			
97064	2	8,9/02;6/03						
97080	5	9/02	97268	10	6/03			
97082	5	24,46/02	97269	11	20,45/02			
97083	3	9,24/02	97270	6	36,44/02;1,5/03			
97100	4	20,28,42,47/02	97271	12	17,18,25,29,37,39/02;6/03			
97101	1	28/02						
97104	4	8,10,20/02	97272	11	19,52/02;6/03			
97105	3	8,10,20/02	97273	10	19,27,34,42,45,49/02;6/03			
97120	6	2,15,22,28,31,37,40,42,43/02	97274	19	19,27,31,34,39,45/02;6/03			
97140	17	2,10,15,22,33,37,39,43,45,45/02	97276	1	27,29,40/02			
97141	5	13*,19,21,40,46/02	97277	11	10,17,27/02;1,5,6/03			
97143	11	2,21,31,43,45/02	97278	11	39/02;1/03			
97144	14	44*,46/02	97279	9	27/02			
97145	1	2,15,22,43/02	97280	4	52/02			
97146	10	44/02*	97281	2	41/02			
97148	9	21*,23,45/02	97283	3	45/02			
97149	20	25,34,35,44,45/02;1/03	97285	6	10,19,23,27,31,34,42/02			
97150	13	34,39,43,44/02	97286	6	10,11,21,23,25,27,31,34,35,36,41,42/02;6/03			
97151	16	31,35,44,45/02	97287	5	11,34/02			
97152	8	37/02	97300	6	12/02;1/03			
97153	7	31/02	97303	3	18,25,47,48/02			
97154	2	36/02	97320	6	33/02			
97155	14	2,20,31,35,36,37,39,40,48/02	97340	8	27,33,38,52/02			
97156	6	2,21,37/02;1/03	97341	9	2,27,34/02			
97157	1	35,37/02	97342	14	27,38/02			
97159	6	33,39/02	97343	12	27,38/02			
97163	14	23/02	97360	6	20,23,27,38/02;5/03			
97166	1	33/02	97380	7	21,39,47,52/02;1,2/03			
97167	2	23,33/02	97381	7	27/02			
97180	6	8,9,11,22,31,34,39,43,45,46,48/02;4/03	97382	2	41,45/02;4/03			
97181	20	8,9,11,18,22,25,31,34,46,48/02;1,4/03	97383	16	31/02;5/03			
97182	13	11,18,21,23,31,34,39,46,48/02;1,4,5,6/03	97384	4	47/02			
97183	9	25,44/02;5/03	97385	10	31,52/02;5,6/03			
97184	15	25,28,47/02;1/03	97387	2	4,5/03			
97185	2	43/02;1/03	97389	1	39/02			
97187	3	44,48/02	97390	5	7,31,39,40/02;2,5/03			
97188	2	1/03	97391	26	31/02;6/03			
97189	2	25,28,44/02	97392	5	21/02;1/03			
97190	2	8,9,22,34,39,52/02	97396	14	7,18,21,36,39,40/02;2/03			
97200	9	11,52/02	97397	7	3,8,18,25,39,49/02			
97202	15	43,44,52/02	97398	3	21,25,49/02			
97204	9	2,10,28,29,45,52/02;4,6/03	97400	3	25,26/02;1/03			
97206	2	10,12/02	97410	8	11,21/02			
97207	3	11/02	97412	7	40/02			
97218	3	10,21,41/02;6/03	97420	17	8,9,21,34,39,42,47,52/02;1/03			
97219	4	10,12,21,25,31/02;6/03	97421	13	20,35,36/02;1/03			
97220	3	2,7,8,21,24,31,37,39,42,43,44/02;6/03	97423	2	20,35,36/02;1/03			
97221	20	2,7,8,10,11,21,24,31,37,39,42,44,45,49,52/02;6/03	97425	6	10,34,39,47,52/02;1,6/03			
97222	12	11,25,28,47/02	97440	8	20,23,27,52/02;1/03			
97223	3	8,42,44,48/02	97441	5	20,46/02			
97224	6	11,18,25,27,46,47,49/02	97460	7	40/02;5/03			
97225	31	2,7,8,11,21,24,37,39,42,44,45,49,52/02;6/03	97461	9	4,5,21/02;5/03			
97226	7	17/02	97465	9	5,21/02;1,6/03			
97227	11	21,24,42,43/02	97466	2	5,25,46/02;1/03			
97228	15	2,21,28,30,39,40,42,43/02;5,6/03	97469	10	7,26/02;1,6/03			
97229	12	2,7,8,18,24,27,31,36,39,47/02;6/03	97471	5	N7,N31/02			
97230	18	2,29,36,52/02;6/03	97472	8	6,7,34/02			
97231	11	10,21,41/02;6/03	97473	7	5/02			
97232	8	4,15,20,25/02	97474	7	21/02			
97233	11	31,33,43,44,49/02;1,5,6/03	97480	7	12,21,35,52/02;3/03			
97234	17	29,43,47,49/02;1,6/03	97481	6	10,47,49/02			
97235	20	31,47/02	97483	7	48,52/02			
97239	10	31,33/02;1,5/03	97521	6	19,42/02			
97243	8	21,28,29,31,33,48/02;1,5,6/03	800669	8	N20/02			
			800744	1	N22,N49/02;N5/03			
97230	18	2,29,36,52/02;6/03	801217	1	N5,N6,N7,N21/02;N6/03			
97231	11	10,21,41/02;6/03	801885	3	N28/02			
97232	8	4,15,20,25/02	801959	2	N10/02			
97233	11	31,33,43,44,49/02;1,5,6/03	802202	8	N14,N23,N31,N35/02;N1/03			
97234	17	29,43,47,49/02;1,6/03	802260	5	N20/02			
97235	20	31,47/02	803404	2	N26/02			
97239	10	31,33/02;1,5/03	804037	1	N28/02			
97243	8	21,28,29,31,33,48/02;1,5,6/03	804059	2	N20/02			
			804567	4	N17/02			

SECTION II**NM 6/03****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				
<u>CDPUBSD194</u> (7644014665956)	MISCELLANEOUS CHARTS AND PUBLICATIONS <u>Baltic Sea (Southern Part) (Enroute), 2002</u>					<u>GPO</u>	10-19, 38	6/03

Price Categories effective 1 October 2002

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

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

SECTION II**NM 6/03****NAVIGATION PUBLICATIONS****SAILING DIRECTIONS CORRECTIONS****PUB 120 2 Ed 2001 LAST NM 4/03**

Page 29—Lines 16 to 17/R; read:

The Time Zone description for the E coast of Australia is KILO (-10). Daylight Savings Time (LIMA (-11)) is maintained, as follows:

1. Victoria, New South Wales, and the Australian Capital Territory—From the last Sunday in October until the Saturday before the last Sunday in March.

2. Queensland and Whitsunday Island—Daylight Savings Time is not observed.

3. Tasmania—From the beginning of October until the Saturday before the last Sunday in March; the exact changeover date to start Daylight Savings Time should be obtained from local authorities.

(BA NM 44/02, Section VI) 6/03

Page 51—Lines 44 to 45/R; read:

The Time Zone description for the W coast of Canada is UNIFORM (+8). Daylight Savings Time (TANGO (+7)) is maintained from the first Sunday in April until the Saturday before the last Sunday in October.

(BA NP 282) 6/03

Page 58—Line 42/R; read:

The Time Zone description for mainland Chile and the Archipelago de Juan Fernandez is QUEBEC (+4). Daylight Savings Time (PAPA (+3)) is maintained from the middle of October to the middle of March; the exact changeover dates should be obtained from local authorities.

The Time Zone description for Isla de Pasqua (Easter Island) is SIERRA (+6). Daylight Savings Time (ROMEO (+5)) is maintained from the middle of October to the middle of March; the exact changeover dates should be obtained from local authorities.

(BA NP 282) 6/03

Page 71—Line 7/L; insert after:

Pilotage 71
(NIMA) 6/03

Page 71—Line 17/R; insert after:

Pilotage

Pilotage is compulsory at all ports for vessels exceeding 250 nrt.

The vessel's ETA should be sent 48 hours and 12 hours in advance through the agent. Any delay in the ETA should be sent at least 6 hours in advance.

(BA NP 286(5)) 6/03

Page 72—Line 2/R; read:

The Time Zone description is ROMEO (+5). Daylight Savings Time is not observed.

(BA NP 282) 6/03

Page 74—Lines 2 to 3/R; read:

The Time Zone description is WHISKEY (+10). Daylight Savings Time is not observed.

(BA NP 282)

6/03

Page 78—Line 15/R; read:

The Time Zone description for mainland Ecuador is ROMEO (+5). Daylight Savings Time is not observed.

The Time Zone description for Archipelago de Colon (Galapagos Islands) is SIERRA (+6). Daylight Savings Time is not observed.

(BA NP 282)

6/03

Page 85—Lines 20 to 22/R; read:

The Federated States of Micronesia is covered by several Time Zones, as follows:

1. Palau Island—The Time Zone description is INDIA (-9). Daylight Savings Time is not observed.

2. Yap Island and Truk Island—The Time Zone description is KILO (-10). Daylight Savings Time is not observed.

3. Pohnpei Island, Pingelap Island, and Kosrae Island—The Time Zone description is LIMA (-11). Daylight Savings Time is not observed.

(BA NP 282)

6/03

Page 91—Line 25/R; read:

The Time Zone description is SIERRA (+6). Daylight Savings Time is not observed.

(BA NP 282)

6/03

Page 128—Line 42/R; read:

The Time Zone description is MIKE (-12), except for Ebon Atoll, where the Time Zone description is YANKEE (+12). Daylight Savings Time is not observed.

(BA NP 282)

6/03

Page 130—Lines 28 to 29/R; read:

The W coast of Mexico is covered by several time zones. Information is given in the accompanying table.

(NIMA)

6/03

Page 130—Line 29/R; insert after:

New table titled **West Coast of Mexico—Time Zones** from back of this Subsection.

(BA NM 12/02, Section VI)

6/03

Page 148—Line 51/R; read:

The Time Zone description is MIKE (-12). Daylight Savings Time (Zone Description -13) is maintained from the first Sunday in October until the Saturday before the third Sunday in March.

The Time Zone description for the Kermadec Islands is MIKE (-12). Daylight Savings Time is not observed.

PUB 120 (Continued)

The observed Standard Time for Chatham Island is 12 hours 45 minutes fast of UT(GMT). Daylight Savings Time (13 hours 45 minutes fast of UT(GMT)) is maintained from the first Sunday in October until the Saturday before the third Sunday in March.

(BA NP 282)

6/03

Page 171—Line 19/L; insert after:

The Time Zone description is WHISKEY (+10). Daylight Savings Time is not observed.

(BA NP 282)

6/03

Page 171—Line 3/R; insert after:

The Time Zone description is WHISKEY (+10). Daylight Savings Time is not observed.

(BA NP 282)

6/03

Page 171—Line 56/R; insert after:

The Time Zone description is MIKE (-12). Daylight Savings Time is not observed.

(BA NP 282)

6/03

Page 192—Line 2/R; read:

The Time Zone description is HOTEL (+8). Daylight Savings Time is not observed.

(BA NP 282)

6/03

Page 202—Lines 49 to 50/R; read:

The boundaries between the Time Zones covering the E coast of Russia are irregular; the principal towns in each zone are listed in the accompanying table. Daylight Savings Time is observed from the last Sunday in March until the Saturday before the last Sunday in October.

(BA NP 282)

6/03

Page 202—Line 50/R; insert after:

New table titled **East Coast of Russia—Time Zones** from back of this Subsection.

(BA NP 282)

6/03

Page 224—Line 16/R; read:

The Time Zone description is MIKE (-13). Daylight Savings Time is not observed.

(BA NM 46/02, Section VI)

6/03

PUB 140 2 Ed 2001 LAST NM 4/03

Page 13—Line 17/R to Page 14—Line 13/R; read:

Pilotage

Pilotage is compulsory for all vessels, except naval vessels and yachts. Pilotage is available during daylight hours only. Pilots board about 2 miles ENE of St. David's Head Light, in the vicinity of Fairway Lighted Buoy.

Regulations

A Vessel Traffic Management System (VTMS) is in operation; it is voluntary for vessels passing within 30 miles of Bermuda and mandatory for vessels sailing for ports in Bermuda or for vessels intending to navigate within the charted Area to be Avoided.

For further information on the VTMS and the Area to be Avoided, see paragraph 1.1 of Pub. 147, Sailing Directions (Enroute) Caribbean Sea, Volume I.

Radar assistance is available, primarily for vessels having inadequately scaled charts of the area. The working channel for Bermuda Pilots is VHF channel 12.

Departure reports are mandatory 15 minutes prior to departure from any berth or anchorage and should be forwarded to Bermuda Pilots.

Quarantine regulations are strictly enforced. All vessels requesting free pratique must anchor in Saint George's Harbor and hoist International Flag Q.

Naval vessels and commercial vessels calling regularly which have received prior permission, and vessels which have been granted pratique by radio, will be visited upon berthing.

Time Zone

The Time Zone description is QUEBEC (+4). Daylight Savings Time (PAPA (+3)) is maintained from the first Sunday in April until the Saturday before the last Sunday in October.

(BA NP 286(5); BA NP 282)

6/03

Page 28—Lines 2 to 3/R; read:

Eastern Canada is covered by several time zones. Information is given in the accompanying table.

(NIMA)

6/03

Page 28—Line 3/R; insert after:

New table titled **Eastern Canada—Time Zones** from back of this Subsection.

(BA NP 282)

6/03

Page 33—Lines 23 to 29/R; read:

nrt.

The vessel's ETA should be sent 48 hours and 12 hours in advance through the agent. Any delay in the ETA should be sent at least 6 hours in advance.

(BA NP 286(5))

6/03

Page 34—Line 6/R; read:

The Time Zone description is ROMEO (+5). Daylight Savings Time is not observed.

(BA NP 282)

6/03

PUB 140 (Continued)

Page 38—Lines 2 to 15/R; read:

cargo proceeding between Croatian ports and while in Croatian waters. Certain vessels under 500 grt may be subject to pilotage should the Harbormaster's office consider this necessary. The harbor authorities may be contacted 24 hours on VHF channel 9. The pilot associations may be contacted 24 hours on VHF channel 12.

Coastal pilotage is compulsory for all vessels carrying dangerous liquid chemicals or bulk flammable liquid gas. Vessels bound for ports open to international traffic should use coastal pilotage. Coastal pilotage should be requested 6 hours in advance.

(BA NP 286(3)) 6/03

Page 39—Line 36/R; read:

The Time Zone description is ALPHA (-1). Daylight Savings Time (BRAVO (-2)) is maintained from the Saturday before the last Sunday in March until the Saturday before the last Sunday in October.

(BA NM 9/02, Section VI) 6/03

Page 41—Line 9/L; insert after:

Regulations **42**
(NIMA) 6/03

Page 42—Lines 2 to 3/L; read:

Pilotage is compulsory for all foreign vessels for entry, departure, berthing, casting off, and towing. There

(BA NP 286(5)) 6/03

Page 42—Line 7/L; insert after:

Regulations

Vessels should send their ETA to Mambisas Habana. If another port other than Habana is the vessel's first port of call, the ETA should be sent to Mambisas (name of port).

All vessels approaching Cuban ports should contact the Port Signal Station on VHF channel 16, or by light signals, to announce their presence, nationality, and characteristics.

(BA NP 286(5)) 6/03

Page 42—Line 2/R; read:

The Time Zone description is ROMEO (+5). Daylight Savings Time (QUEBEC (+4)) is maintained from the Saturday before the last Sunday in March until the Saturday before the last Sunday in October.

(BA NM 10/02, Section VI) 6/03

Page 60—Line 2/R; read:

The Time Zone description is BRAVO (-2). Daylight Savings Time (CHARLIE (-3)) is maintained from the Saturday before the last Sunday in March until the Saturday before the last Sunday in October.

(BA NM 11/02, Section VI) 6/03

Page 77—Lines 23 to 37/R; read:

ALFA	Vessel's name, nationality, call sign, and MMSI number
BRAVO	Date and time UT(GMT), suffixed ZULU (6 figures DD/MM/HH)
CHARLIE	Position (latitude/longitude)
ECHO	Course
FOXTROT	Speed
GOLF	Port of origin
HOTEL	Date and time UT(GMT) and point of entry into French territorial waters or date and time UT(GMT) and French port of departure
INDIA	Destination
KILO	Date and time UT(GMT) and point of departure from French territorial waters or date and time UT(GMT) of arrival in French port, anchorage, or waiting area

(BA NP 286(3)) 6/03

Page 78—Line 3/L; read:

technical description, reference numbers (ONU), if the
(BA NP 286(3)) 6/03

Page 78—Lines 14 to 15/L; read:

Message Format for Indicating Defect, Damage, or Accident at Sea by Vessel Involved when within 50 Miles of the French Coast
(NIMA) 6/03

Page 78—Lines 18 to 33/L; read:

ALFA	Vessel's name, nationality, call sign, and MMSI number
BRAVO	Date and time UT(GMT), suffixed ZULU (6 figures DD/MM/HH)
CHARLIE	Position (latitude/longitude)
ECHO	Course
FOXTROT	Speed
GOLF	Port of origin
HOTEL	Date and time UT(GMT) and point of entry into French territorial waters or date and time UT(GMT) and French port of departure
INDIA	Destination
KILO	Date and time UT(GMT) and point of departure from French territorial waters or date and time UT(GMT) of arrival in French port, anchorage, or waiting area

(BA NP 286(3)) 6/03

PUB 140 (Continued)

Page 78—Lines 52 to 56/L; read:

ALFA	Vessel's name, nationality, call sign, and MMSI number of assisting vessel
BRAVO	Date and time UT(GMT), suffixed ZULU
CHARLIE	Position of assisting vessel (latitude/longitude)
(BA NP 286(3))	6/03

Page 80—Line 32/R; read:

The Time Zone description is ALPHA (-1). Daylight Savings Time (BRAVO (-2)) is maintained from the last Sunday in March until the Saturday before the last Sunday in October.

(BA NP 282) 6/03

Page 116—Line 35/R; read:

The Time Zone description is BRAVO (-2). Daylight Savings Time (CHARLIE (-3)) is maintained from the beginning of April through the end of September; the exact changeover dates should be obtained from local authorities.

(BA NP 282) 6/03

Page 133—Line 8/L; insert after:

Regulations	133
(NIMA)	6/03

Page 133—Line 14/R; insert after:

Regulations

In Jamaican waters, the port authorities use VHF channels 11 and 12 for pilotage and shiphandling work. Yachts and pleasure craft primarily use VHF channel 68.

(BA NP 286(5)) 6/03

Page 133—Line 16/R; read:

The Time Zone description is ROMEO (+5). Daylight Savings Time is not observed.

(BA NP 282) 6/03

Page 140—Line 21/R; strike out.

(BA NP 286(3)) 6/03

Page 140—Line 32/R; read:

The Time Zone description is BRAVO (-2). Daylight Savings Time (CHARLIE (-3)) is maintained from the end of March until the end of October; the exact changeover dates should be obtained from local authorities.

(BA NP 282) 6/03

Page 141—Line 7/L; insert after:

Regulations	141
(NIMA)	6/03

Page 141—Line 12/R; insert after:

Regulations

The Economic Community of West African States (ECOWAS) has declared an embargo on arms and military equipment destined for Liberia. Its monitoring group (ECOMOG) has imposed a maritime exclusion zone of 15 miles along the coast of Liberia.

The port of Monrovia is accessible. Vessels should state their ETA to ECOMOG at least 24 hours in advance, as follows:

ECOMOG
P.O. Box 10.9033
Monrovia, Liberia

Vessels should contact the warships maintaining the embargo upon entering the territorial waters of Liberia.

(BA NP 286(3)) 6/03

Page 141—Line 14/R; read:

The Time Zone description is ZULU. Daylight Savings Time is not observed.

(BA NP 282) 6/03

Page 145—Table; replace with below:

Destination	Approach Reporting Point
Mina Tubruq (Mersa Tobruch)	32°10'N, 24°02'E.
Damah (Derna)	32°58'N, 22°42'E.
Banghazi (Bengasi)	32°20'N, 20°06'E. 32°17'N, 19°53'E. 32°09'N, 19°49'E. 32°03'N, 19°50'E.
Az Zuwaytinah Oil Terminal	32°43'N, 19°06'E.
Marsa al Burayqah Oil Terminal	32°43'N, 19°06'E.
Ras Lanuf Oil Terminal	32°43'N, 19°06'E.
Qasr Ahmed	32°34'N, 15°16'E.
Tarabulus (Tripoli)	33°05'N, 13°19'E. 33°07'N, 13°10'E. 33°05'N, 13°04'E. 33°00'N, 12°58'E.
Zuwarah (Zuara)	33°03'N, 12°15'E.

(BA NP 286(3)) 6/03

Page 145—Line 22/R; read:

The Time Zone description is ALPHA (-1). Daylight Savings Time is not observed.

(BA NP 282) 6/03

Page 147—Line 25/R; read:

The Time Zone description is BRAVO (-2). Daylight Savings Time (CHARLIE (-3)) is maintained from the Saturday

PUB 140 (Continued)

before the last Sunday in March until the Saturday before the last Sunday in October.

(BA NP 282; BA NM 1/03, Section VI) 6/03

Page 149—Line 9/L; insert after:

Regulations 150
(NIMA) 6/03

Page 150—Line 41/L; read:

Regulations

No commercial vessels or vessels with an loa of over 50m may pass through the channels between Malta and Ghawdex (Gozo). Commercial vessels are also prohibited from entering the Secca Munxar restricted area. In cases of emergency, permission to enter can be obtained through Valletta Port Control on VHF channel 16 or 12.

All vessels bound for Malta must make an initial VHF contact with Valletta Port Control as soon as possible.

(BA NP 286(3)) 6/03

Page 150—Line 44/R; read:

The Time Zone description is ALPHA (-1). Daylight Savings Time is maintained from the last Sunday in March until the Saturday before the last Sunday in October.

(BA NP 282) 6/03

Page 154—Line 19/R; read:

The Time Zone description is SIERRA (+6). Daylight Savings Time (ROMEO (+5)) is maintained from the first Sunday in April until the last Sunday in October.

(BA NM 12/02, Section VI) 6/03

Page 182—Line 13/R; read:

The Time Zone description for mainland Portugal is ZULU. Daylight Savings Time (ALPHA (-1)) is observed from the last Sunday in March until the Saturday before the last Sunday in October.

The Time Zone description for the Azores is NOVEMBER (+1). Daylight Savings Time (ZULU) is observed from the last Sunday in March until the Saturday before the last Sunday in October.

The Time Zone description for Madeira is ZULU. Daylight Savings Time (ALPHA (-1)) is observed from the last Sunday in March until the Saturday before the last Sunday in October.

(BA NP 282) 6/03

Page 208—Line 7/R; read:

The Time Zone description is ALPHA (-1). Daylight Savings Time (BRAVO (-2)) is maintained from the last Sunday in March until the last Sunday in October.

(BA NP 282; BA NM 17/02, Section VI) 6/03

Page 209—Line 17/R; read:

Vessels calling at Syrian ports should contact the appropriate

(NIMA) 6/03

Page 210—Line 2/R; read:

The Time Zone description is BRAVO (-2). Daylight Savings Time (CHARLIE (-3)) is maintained from April 1 until October 31 each year.

(BA NM 44/02, Section VI) 6/03

PUB 160 2 Ed 2002 LAST NM 52/02

Page IV—Lines 15 to 16/R; read:

http://www.odci.gov/cia/publications/factbook/reference_maps/pdf/time_zones.pdf

(NIMA) 6/03

Page 2, 7, 27, 34, 36, 38, 46, 48, 50, 52, 54, 56, 58, 61, 64, 66, 69, 73, 76, 78, 80, 94, 105, 108, 112, 115, 118, 120, 122, 124, 126, 129, 132, 134, 136, 138, 141, 145, 150, 152, 154, 156, 159, 162, 166, 172, 183, 192, 194, 196, 198, 200, 202, 204, 208, and 210—Table titled **World Time Zone Chart**; replace with below:

World Time Zone Chart

http://www.odci.gov/cia/publications/factbook/reference_maps/pdf/time_zones.pdf

(NIMA) 6/03

Page 20—Line 14/R; insert after:

The observed Standard Time is 6 hours 30 minutes fast of UT (GMT). Daylight Savings Time is not observed.

(BA NP 282) 6/03

Page 20—Line 22/R; insert after:

The Time Zone description is GOLF (-7). Daylight Savings Time is not observed.

(BA NP 282) 6/03

Page 46—Line 5/R; insert after:

6. Archipelago de Fernando de Noronha and Ilha da Trindade—The Time Zone description is OSCAR (+2). Daylight Savings Time is not observed.

(BA NP 282) 6/03

Page 88—Line 17/R; insert after:

The Laccadive Islands

The **Laccadive Islands** ($10^{\circ}00'N$, $72^{\circ}30'E$.), meaning the hundred thousand islands, consist of a group of coral atolls lying between 115 and 215 miles off the SW coast of India; several detached shoals and banks lie off the islands.

The islands are divided into two groups, N and S, separated approximately by the parallel of $11^{\circ}N$. The N group is known as the Amindivi Islands. The S group is known as the Cannanore Islands.

Each of these islands lies on extensive coral shoals and no parts of these formations are more than about 4m high. As these islets and islands are low, with coconut trees only 18 to 24m high and not discernible for any great distance, they

PUB 160 (Continued)

should be avoided. There are, however, some wide and deep channels between them.

The observed Standard Time is 5 hours 30 minutes fast of UT(GMT). Daylight Savings Time is not observed.

(NIMA Pub. 173; BA NP 282) 6/03

Page 175—Line 19/R; insert after:

Shark nets made of polyethylene rope and twine, marked by orange and yellow buoys, may be encountered in depths of approximately 15m around the S and E coasts of South Africa. These nets may or may not be charted. Vessels on passage are advised to remain at least 1 mile offshore in order to avoid them.

(BA NM 1/03, Section IV) 6/03

PUB 180 3 Ed 2002 LAST NM 50/02

Page 52, 68, 80, 89, and 111—Table titled **World Time Zone Chart**; replace with below:

World Time Zone Chart
http://www.odci.gov/cia/publications/factbook/reference_maps/pdf/time_zones.pdf

(NIMA) 6/03

PUB 192 7 Ed 2000 LAST NM 5/03

Page 129—Line 14/R; read:
 rate of 1.2 knots.

Pilotage.—For rules and regulations concerning the pilotage of large vessels (including tankers and bulk carriers) navigating in the German Bight (Inner Deutsche Bucht) and proceeding to the Ems, Jade, Weser, or Elbe, see Pilotage under Approach Routes to German Bight.

For pilotage rules and procedures concerning all other vessels navigating in the German Bight and proceeding to the Ems, Jade, Weser, or Elbe, see Pilotage under the description of each individual estuary.

Regulations.—Below are extracts from the Traffic Regulations applying to all German waterways which are of particular significance to the waters described in this Sector.

Extraordinary large vessels are those exceeding the normal maximum dimensions (length, beam, and draft) which have been announced for entry into a waterway. Such vessels require a special permit from the local authorities prior to entering. For more information, see Regulations under the description of each river.

The starboard side of the fairway is that which is on the starboard side of a vessel when entering from seaward. Where a fairway connects two parts of the sea or two bodies of water separated from one another by shallows, the starboard side of the fairway is deemed to be on that side of the fairway which a vessel arriving from the W (any direction from S to N through W) passes on its starboard side. Where doubt may exist, due to the tortuous nature of a channel, the N most entrance into such a fairway is to be used as the means for determining the starboard side of the fairway.

Generally, vessels should navigate on the right side of the fairways. In specified places within the waterways, certain

vessels, with permission, are authorized to navigate on the left side. Overtaking is normally carried out on the left side.

(BA NP 55; NIMA) 6/03

Page 130—Lines 20 to 28/L; read:

recommended by the IMO as a two-way route for the following vessels:

1. Tankers of 10,000 grt and over transporting oils listed in Annex I of Marpol 73/78.

2. Vessels of 5,000 grt and over transporting noxious liquid substances in bulk listed as Categories A or B in Annex II of Marpol 73/78.

3. Vessels of 10,000 grt and over transporting noxious liquid substances in bulk listed as Categories C or D in Annex II of Marpol 73/78.

4. Vessels of 10,000 grt and over transporting liquified gases in bulk.

The IMO recommends that the Off Brown Ridge TSS, West Freisland TSS, and German Bight Western Approach TSS should be used by these vessels in continuation with the two-way route.

The IMO recommends that the above vessels should not use the Texel TSS, the Off Vlieland TSS, nor the Off Ter-schelling—German Bight TSS.

In addition, such vessels should avoid the sea area lying between the mandatory route and the Frisian Islands, except when joining or leaving the route at the nearest point to the port of destination.

The above vessels must use the mandatory route, or part of it, under the following circumstances:

1. When sailing from Noord Hinder ($51^{\circ}57'N$, $2^{\circ}53'E$) to the Baltic Sea or to North Sea ports in Norway, Sweden, Denmark, Germany, or the Netherlands, N of latitude $53^{\circ}N$.

2. When sailing between North Sea ports in the Netherlands and/or Germany.

3. When sailing between the United Kingdom or Continental North Sea ports S of latitude $53^{\circ}N$ and ports in Scandinavia or the Baltic Sea.

4. When sailing between Noord Hinder, the United Kingdom, or Continental North Sea ports S of latitude $53^{\circ}N$ and oil loading facilities (offshore or shore-based) in the North Sea area. However, this does not apply to vessels sailing between ports on the E coast of the United Kingdom, including Orkney and the Shetland Islands.

Vessels which cannot safely navigate the mandatory route because of their draft are exempted from the requirement to use the S part of it. Such vessels are strongly recommended to use the W branch of the Deep Water Route and proceed via the DR1 Lighted Buoy and the Off Botney Ground TSS.

(BA NP 55) 6/03

Page 130—Lines 31 to 57/L; read:

Germany has promulgated regulations pertaining to vessels navigating in an area extension to its territorial sea located within the German Bight (Deutsche Bucht). This area

PUB 192 (Continued)

extension lies in the vicinity of the Jade Approach TSS and may best be seen on the chart.

Deep-draft vessels constrained by the tide in the waterways into which they are proceeding are deemed to be right-of-way vessels when navigating inbound on the routes leading between the GB Lightfloat (54°11'N., 7°26'E.), or the deep water anchorage located close S of the lightfloat, and the Rivers Jade, Weser, or Elbe.

In this case, a right-of-way vessel is defined as "a vessel restricted in her ability to maneuver" as per Rule 3(g) of the International Regulations for Preventing Collisions at Sea. Such vessels should display the appropriate lights and signals as per Rule 27(b).

In practice, this regulation applies especially to vessels proceeding E within the Off Terschelling—German Bight TSS. Such vessels must not in any way impede those large ships, especially tankers, which are heading from the German Bight Western Approach TSS towards the Jade, Weser, or Elbe river entrances.

(BA NP 55)

6/03

Page 137—Lines 43 to 53/L; read:

Anchorage.—Borkum Reede (53°33'N., 6°41'E.), a designated anchorage area, lies on the S side of the main fairway in Randzelgat and has depths of 15 to 19m.

Vessels with drafts suitable to enter Osterems may anchor in depths of 13 to 18m within an area lying on the N side of Borkum, in Voorentief.

A large designated anchorage area lies in Alte Ems (53°30'N., 6°45'E.) and has depths of 10 to 13m. The NW section, known as Alte Ems Reede, is a general anchorage; the central section is an explosives anchorage; and the SE section is a tanker anchorage. The SE section may be used on request by vessels other than tankers.

Dukegat Reede, a designated anchorage area, lies in the SE part of Alte Ems and has depths of 11 to 15m. It is used as a transshipment and lightening anchorage.

Due to the changeable depths in the N part of Alte Ems, vessels generally approach the anchorages in this vicinity from S via the main fairway in Randzelgat.

Gas Tanker Anchorage (53°25'N., 6°57'E.), a designated area, lies on the E side of the main fairway in Ostfriesische Gatje. It has depths of 8 to 11m and is used by gas tankers with a length less than 230m and a draft less than 7m.

The limits of the above anchorage areas are marked by buoys and may best be seen on the chart.

(BA NP 55)

6/03

**PUB 194
(NIMA)**

9 Ed 2002

**NEW EDITION
6/03**

COAST PILOT CORRECTIONS**COAST PILOT 2****31 Ed 2001**

**Change No. 26
LAST NM 3/03**

Page 72—Paragraph 1365, line 3 to Paragraph 1390; read:
received and handled without mark or count.

Certain dangerous cargo includes any of the following:

(a) Division 1.1 or 1.2, explosive materials, as defined

in 49 CFR 173.50.

(b) Division 5.1, Oxidizing materials, or Division 1.5, blasting agents, for which a permit is required under 49 CFR 176.415, or for which a permit is required as a condition of a Research and Special Programs Administration exemption.

(c) Division 4.3, Spontaneously Combustible products in excess of 60 metric tons per vessel.

(d) Division 6.1, Poison-Inhalation Hazard, products in bulk packagings.

(e) Class 7, highway route controlled quantity radioactive material, or fissile material, controlled shipment, as defined in 49 CFR 173.403.

(f) Each cargo under Table 1 of 46 CFR part 153 when carried in bulk.

(g) Each cargo under Table 4 of 46 CFR part 154 when carried in bulk.

(h) Butylene Oxide, Chlorine, and Phosphorous, elemental when carried in bulk.

Charterer means the person or organization that contracts for the majority of the carrying capacity of a ship for the transportation of cargo to a stated port for a specified period. This includes "time charterers" and "voyage charterers".

Crewmember means all persons carried on board the vessel to provide navigation and maintenance of the vessel, its machinery, systems, and arrangements essential for propulsion and safe navigation or to provide services for other persons on board.

(FR 10/04/01; FR 08/19/02)

6/03

Page 72—Paragraph 1397, line 4; read:

country and that is not engaged in commercial service.

Time charterer means the party who hires a vessel for a specific amount of time. The owner and his crew manage the vessel. But the charterer selects the port of destination.

Voyage charterer means the party who hires a vessel for a single voyage. The owner and his crew manage the vessel, but the charterer selects the ports of destination.

§160.T204 Reporting of notification of arrival and Notification of departure.

(a)(1) Until October 15, 2001, all vessels required to report the information in §160.T208, §160.T212, or §160.T214, must submit the report to the cognizant Captain of the Port (COTP).

(2) From October 15, 2001 until March 31, 2003, all vessels required to report notice of arrival and departure information in §§160.T208, 160.T212, or 160.T214, other than vessels 300 or less gross tons operating in the Seventh Coast Guard District, must submit the notice to the National Vessel Movement Center (NVMC), United States Coast Guard, 408 Coast Guard Drive, Kearneysville, W.V., 25430, by:

(i) Telephone at 1-800-708-9823;

(ii) Fax at 1-800-547-8724; or

(iii) E-mail at SANS@NVMC.USCG.gov.

Note to paragraph (a):

Information about the National Vessel Movement Center is available on its website at <http://www.nvmc.uscg.gov/>.

COAST PILOT 2 (Continued)

(b) Those vessels 300 or less gross tons operating in the Seventh Coast Guard District required by §160.T208, §160.T212, or §160.T214 to report notice of arrival and departure information must submit the notice to the cognizant Captain of the Port (COTP).

(FR 10/04/01; FR 08/19/02; FR 08/28/02)

6/03

Page 72—Paragraph 1399, line 7 to Page 73—Paragraph 1461; read:
protection, or national security.

§160.207 [Suspended]**§160.T208 Notice of arrival: Vessels bound for ports or places in the United States.**

(a) The owner, agent, master, operator, or person in charge of a vessel on a voyage of 96 hours or more must submit the information under paragraph (c) of this section at least 96 hours before entering the port or place of destination.

(b) The owner, agent, master, operator, or person in charge of a vessel on a voyage of less than 96 hours must submit the information under paragraph (c) of this section prior to departing the port or place of departure, but no less than 24 hours before entering the port or place of destination.

(c) The following information must be submitted as prescribed by §160.T204:

(1) For each U.S. port of arrival, provide the names of the receiving facility, the port or place of destination, the city, and state;

(2) Estimated date and time of arrival at each port or place;

(3) Name of the vessel;

(4) Country of registry of the vessel;

(5) Call sign of the vessel;

(6) International Maritime Organization (IMO) international number or, if vessel does not have an assigned IMO international number, the official number of the vessel;

(7) Name of the registered owner of the vessel;

(8) Name of the operator of the vessel;

(9) Name of the classification society of the vessel;

(10) General description of cargo onboard the vessel (e.g.: grain, container, oil, etc.);

(11) Date of departure and name of the port from which the vessel last departed;

(12) Name and telephone number of a 24-hour point of contact for each port included in the notice of arrival;

(13) Location or position of the vessel at the time of the report;

(14) A list of crewmembers onboard the vessel. The list must include the following information for each person:

(i) Full name;

(ii) Date of birth;

(iii) Nationality;

(iv) Passport number or mariners document number; and

(v) Position or duties on the vessel;

(15) A list of persons in addition to the crew onboard the vessel. The list must include the following information for each person:

- (i) Full name;
- (ii) Date of birth;
- (iii) Nationality; and
- (iv) Passport number; and

(16) Name of the vessel's charterer.

(d) You may submit a copy of INS Form I-418 to meet the requirements of paragraphs (c)(14) and (c)(15) of this section.

(e)(1) Any changes to the information required by paragraphs (c) or (h) of this section must be reported as soon as practicable but no less than 24 hours before entering the port of destination.

(2) Any changes to the arrival time or the departure time in a submitted notice of arrival (NOA) that are less than six (6) hours need not be reported.

(3) When reporting changes, only report specific items to be corrected in the submitted NOA report. Do not resubmit the entire NOA report.

(f) International Safety Management (ISM) Code (Chapter IX of SOLAS) Notice. If you are the owner, agent, master, operator, or person in charge of a vessel that is 500 gross tons or more and engaged on a foreign voyage to the United States, you must provide the ISM Code notice described in paragraph (g) as follows:

(1) ISM Code notice beginning January 26, 1998, if your vessel is—a passenger vessel carrying more than 12 passengers, a tank vessel, a bulk freight vessel, or a high-speed freight vessel.

(2) ISM Code notice beginning January 1, 2002, if your vessel is—a freight vessel not listed in paragraph (f)(1) of this section or a self-propelled mobile offshore drilling unit (MODU).

(g) ISM Code notice includes the following:

(1) The date of issuance for the company's Document of Compliance certificate that covers the vessel.

(2) The date of issuance for the vessel's Safety Management Certificate, and,

(3) The name of the Flag Administration, or the recognized organization(s) representing the vessel flag administration, that issued those certificates.

(h) Any vessel planning to enter two or more consecutive ports or places in the United States during a single voyage may submit one consolidated Notification of Arrival at least 96 hours before entering the port or place of destination. The consolidated notice must include the port name and estimated arrival date for each destination of the voyage. Any vessel submitting a consolidated notice under this section must still meet the requirements of paragraph (e) of this section concerning changes to required information.

§160.209 [Reserved]**§160.211 [Suspended]****§160.T212 Notice of arrival: Vessels carrying certain dangerous cargo.**

(a)(1) The owner, agent, master, operator, or person in charge of a vessel, other than a barge, carrying certain dangerous cargo that is bound for a port or place in the United States that is 96 hours or more away from the vessel's port of

COAST PILOT 2 (Continued)

departure must report the information in paragraph (b) of this section at least 96 hours before entering the port or place of destination; or

(2) The owner, agent, master, operator, or person in charge of a vessel, other than a barge, carrying certain dangerous cargo that is bound for a port or place in the United States that is less than 96 hours away from the vessel's port of departure must report the information in paragraph (b) of this section prior to departing the port or place of departure, but no less than 24 hours before entering the port or place of destination.

(b) The following information must be submitted as prescribed by §160.T204:

(1) For each U.S. port of arrival, provide the names of the receiving facility, the port or place of destination, the city, and state;

(2) Estimated date and time of arrival at each port or place;

(3) Name of the vessel;

(4) Country of registry of the vessel;

(5) Call sign of the vessel;

(6) International Maritime Organization (IMO) international number or, if the vessel does not have an assigned IMO international number, the official number of the vessel;

(7) Name of the registered owner of the vessel;

(8) Name of the operator of the vessel;

(9) Name of the classification society of the vessel;

(10) Date of departure and name of the port from which the vessel last departed;

(11) Name and telephone number of a 24-hour point of contact for each port included in the notice of arrival;

(12) Location or position of the vessel at the time of the report;

(13) Name of each of the certain dangerous cargoes carried;

(14) Amount of each of the certain dangerous cargoes carried;

(15) Stowage location of each of the certain dangerous cargoes carried;

(16) General description of cargo, other than dangerous cargoes, onboard the vessel;

(17) Operational condition of the equipment under §164.35 of this chapter;

(18) A list of crewmembers onboard the vessel. The list must include the following information for each person:

(i) Full name;

(ii) Date of birth;

(ii) Nationality;

(iv) Passport number or mariners document number;

and

(v) Position or duties on the vessel;

(19) A list of persons in addition to the crew onboard the vessel. The list must include the following information for each person:

(i) Full name;

(ii) Date of birth;

(iii) Nationality; and

(iv) Passport number.

(20) Name of the vessel's charterer.

(c) You may submit a copy of INS Form I-418 to meet the requirements of paragraphs (b)(18) and (b)(19) of this section.

(d)(1) Any changes to the information required by paragraphs (b) or (f) of this section must be reported as soon as practicable but no less than 24 hours before entering the port of destination.

(2) Any changes to the information required by paragraph (e) of this section must be reported as soon as practicable but no less than 12 hours before entering the port of destination.

(3) Any changes to the arrival time or the departure time in a submitted notice of arrival (NOA) that are less than six (6) hours need not be reported.

(4) When reporting changes, only report specific items to be corrected in the submitted NOA report. Do not resubmit the entire NOA report.

(e) The owner, agent, master, operator or person in charge of a barge bound for a port or place in the United States carrying certain dangerous cargo shall report the information required in paragraphs (b)(1) through (b)(6) and (b)(10) through (b)(19) of this section as prescribed by §160.T204 at least 12 hours before entering that port or place.

(f) Any vessel planning to enter two or more consecutive ports or places in the United States during a single voyage may submit one consolidated Notification of Arrival at least 96 hours before entering that the first U.S. port or place of destination. The consolidated notice must include the port name and estimated arrival date for each destination of the voyage. Any vessel submitting a consolidated notice under this section must still meet the requirements of paragraphs (d) of this section concerning changes to required information.

§160.213 [Suspended]**§160.T214 Notice of departure: Vessels carrying certain dangerous cargo.**

(a) The owner, agent, master, operator, or person in charge of a vessel, except a barge, departing from a port or place in the United States for any other port or place and carrying certain dangerous cargo, must submit a notice of departure as prescribed by §160.T204 at least 24 hours before departing, unless this notification was made within 2 hours after the vessel's arrival, of the:

(1) For each U.S. port of arrival, provide the names of the receiving facility, the port or place of destination, the city, and state;

(2) Estimated date and time of arrival at each port or place;

(3) Name of the vessel;

(4) Country of registry of the vessel;

(5) Call sign of the vessel;

(6) International Maritime Organization (IMO) international number or, if the vessel does not have an assigned IMO international number, the official number of the vessel;

(7) Name of the registered owner of the vessel;

(8) Name of the operator of the vessel;

(9) Name of the classification society of the vessel;

COAST PILOT 2 (Continued)

(10) Date and time of departure and name of the receiving facility, the port or place of destination, the city, and state from which the vessel last departed;	to 8.9 feet in the ... (CL 1924/02; BPs 179197-206)	6/03
(11) Name and telephone number of a 24-hour point of contact for each port included in the notice of arrival;	Page 242—Paragraph 303, lines 7 to 8; read: July 2002, the controlling depth was 3.5 feet (5.0 feet at mid-channel) to the basin with depths of 4.9 to 5.6 feet in the basin.	
(12) Location or position of the vessel at the time of the report;	(CL 1750/02; BPs 178736-42)	6/03
(13) Name of each of the certain dangerous cargoes carried;	Page 384—Paragraph 23, line 2; read: 95 feet over the waterway crosses Pine Island ... (CL 1836/02)	6/03
(14) Amount of each of the certain dangerous cargoes carried;	Page 412—Paragraph 183, lines 4 to 5; read: Anegado Channels, and the deep-draft anchorage are 40 and 38 feet respectively. San Antonio Channel, project depth 30 feet, ... (44/02 CG7)	6/03
(15) Stowage location of each of the certain dangerous cargoes carried;	Page 412—Paragraph 183, lines 14 to 17; read: basin are 40 feet. Graving Dock Channel and turning basin, S of Isla Grande, leads from Anegado Channel; project depths in Graving Dock Channel and turning basin are 36 feet. Puerto Nuevo Channel, project depth 39 feet, in the SE part of the harbor, ... (44/02 CG7)	6/03
(16) General description of cargo other than dangerous cargoes, onboard the vessel;		
(17) Operational condition of the equipment under §164.35 of this chapter;		
(18) A list of crewmembers onboard the vessel. The list must include the following information for each person:		
(i) Full name;		
(ii) Date of birth;		
(iii) Nationality;		
(iv) Passport number or mariners document number; and		
(v) Position or duties on the vessel;		
(19) A list of persons in addition to the crew onboard the vessel. The list must include the following information for each person:		
(i) Full name;		
(ii) Date of birth;		
(iii) Nationality; and		
(iv) Passport number.		
(b) You may submit a copy of INS Form I-418 to meet the requirements of paragraphs (a)(18) and (a)(19) of this section.	Page 61—Paragraph 575, line 2; read: Commandant for Marine Safety, Security and Environmental Protection, ... (FR 06/18/02)	6/03
(c)(1) Any changes to the information required by paragraph (a) of this section must be reported prior to departing.	Page 61—Paragraph 575, lines 6 to 11; read: Radiotelephone Act and this part. (33 CFR 26.08)	6/03
(2) Any changes to the arrival time or the departure time in a submitted notice of departure (NOD) that are less than six (6) hours need not be reported.		
(3) When reporting changes, only report specific items to be corrected in the submitted NOD report. Do not resubmit the entire NOD report.	Page 61—Paragraph 577, line 2; read: Coast Guard, Marine Safety, Security and Environmental Protection, 2100 (FR 06/18/02)	6/03
(d) The owner, agent, master, operator, or person in charge of a barge departing from a port or place in the United States for any other port or place and carrying certain dangerous cargo shall report the information required in paragraphs (a)(1) through (a)(6) and (a)(10) through (19) of this section as prescribed by §160.T204 at least 4 hours before departing, unless this report was made within 2 hours after the barge's arrival.	Page 78—Paragraphs 1174 to 1175; strike out. (CL 2108/02; FR 11/12/02)	6/03
(FR 10/04/01; CL 1999/01; FR 11/19/01; FR 1/18/02; FR 08/19/02; FR 08/28/02)	Page 80—Paragraphs 1276 to 1277; strike out. (CL 2133/02; FR 11/15/02)	6/03
	Page 80—Paragraphs 1284 to 1285; strike out. (CL 2132/02; FR 11/15/02)	6/03

**COAST PILOT 5 30 Ed 2003 Change No. 1
LAST NM 2/03**

Page 241—Paragraph 293, lines 3 to 5; read:
Gulf to a turning basin at Tarpon Springs. In 1999-September 2002, the controlling depth was 7.4 feet (8.1 at midchannel) in the entrance channel to the turning basin, thence 6.0

feet in the ...
(CL 1924/02; BPs 179197-206)

Page 86—Paragraph 1551, line 6; read:
Safety, Security and Environmental Protection, U.S. Coast Guard, Washington, ...
(FR 06/18/02)

COAST PILOT 5 (Continued)

Page 88—Paragraph 1619, line 2; read:
elemental when carried in bulk.

Charterer means the person or organization that contracts for the majority of the carrying capacity of a ship for the transportation of cargo to a stated port for a specified period. This includes “time charterers” and “voyage charterers”.

(FR 08/19/02) 6/03

Page 88—Paragraph 1629, line 4; read:
country and that is not engaged in commercial service.

Time charterer means the party who hires a vessel for a specific amount of time. The owner and his crew manage the vessel, but the charterer selects the ports of destination.

Voyage charterer means the party who hires a vessel for a single voyage. The owner and his crew manage the vessel, but the charterer selects the ports of destination.

(FR 08/19/02) 6/03

Page 89—Paragraph 1669; read:

(iv) Passport number; and
(16) Name of the vessel’s charterer.
(FR 08/19/02) 6/03

Page 102—Paragraph 1998, line 9; read:

Coast Guard, Marine Environmental Protection Division (G-MWV), ...
(FR 06/18/02) 6/03

Page 115—Paragraph 2490, line 5; read:
broadcast Notice to Mariners.

\$165.757 Safety Zones; Ports of Ponce, Tallaboa, and Guayanilla, Puerto Rico and Limetree Bay, St. Croix, U.S.V.I.

(a) *Location.* The following areas are established as a safety zones during the specified conditions:

(1) *Port of Ponce, Puerto Rico.* A 100-yard radius surrounding all Liquefied Hazardous Gas (LHG) vessels with product aboard while transiting north of Latitude 17°57.0'N in the waters of the Caribbean Sea on approach to or departing from the Port of Ponce, Puerto Rico (NAD 83). The safety zone remains in effect until the LHG vessel is docked.

(2) *Port of Tallaboa, Puerto Rico.* A 100-yard radius surrounding all Liquefied Hazardous Gas (LHG) vessels with product aboard while transiting north of Latitude 17°56.0'N in the waters of the Caribbean Sea on approach to or departing from the Port of Tallaboa, Puerto Rico (NAD 83). The safety zone remains in effect until the LHG vessel is docked.

(3) *Port of Guayanilla, Puerto Rico.* A 100-yard radius surrounding all Liquefied Hazardous Gas (LHG) vessels around with product aboard while transiting north of Latitude 17°57.0'N in the waters of the Caribbean Sea on approach to or departing from the Port of Guayanilla, Puerto Rico (NAD 83). The safety zone remains in effect until the LHG vessel is docked.

(4) *Port of Limetree Bay, St. Croix, U.S.V.I.* A 100-yard radius surrounding all Liquefied Hazardous Gas (LHG)

vessels with product aboard while transiting north of Latitude 17°39.0'N in the waters of the Caribbean Sea on approach to or departing from the Port of Limetree Bay, U.S.V.I. (NAD 83). The safety zone remains in effect until the LHG vessel is docked.

(b) *Regulations.* In accordance with the general regulations in §165.23 of this part, anchoring, mooring or transiting in these zones is prohibited unless authorized by the Coast Guard Captain of the Port. The Marine Safety Office San Juan will notify the maritime community of periods during which these safety zones will be in effect by providing advance notice of scheduled arrivals and departures on LHG carriers via a broadcast notice to mariners on VHF Marine Band Radio, Channel 16 (156.8 MHz).

(FR 09/27/02) 6/03

Page 118—Paragraph 2599, line 5; read:
Broadcast Notice to Mariners.

§165.809 Security Zones; Port of Port Lavaca-Point Comfort, Point Comfort, TX and Port of Corpus Christi Inner Harbor, Corpus Christi, TX.

(a) *Location.* The following areas are designated as a security zone:

(1) *Port of Port Lavaca-Point Comfort*—all waters between the Dredge Island Bridge at 28°39'30"N., 96°34'20"W. and a line drawn between points 28°38'10"N., 96°33'15"W. and 28°38'10"N., 96°34'45"W. including the Point Comfort turning basin and the adjacent Alcoa Channel. These coordinates are based upon NAD 1983.

(2) *Port of Corpus Christi Inner Harbor*—all waters of the Corpus Christi Inner Harbor from the Inner Harbor Bridge (US HWY 181) to, and including the Viola Turning Basin.

(b) *Regulations.* (1) No recreational vessels, passenger vessels, or commercial fishing vessels may enter these security zones unless specifically authorized by the Captain of the Port Corpus Christi or his designated representative.

(2) Recreational vessels, passenger vessels and commercial fishing vessels requiring entry into these security zones must contact the Captain of the Port Corpus Christi or his designated representative. The Captain of the Port may be contacted via VHF Channel 16 or via telephone at (361) 888-3162 to seek permission to transit the area. If permission is granted, all persons and vessels must comply with the instructions of the Captain of the Port, Corpus Christi or his designated representative.

(3) Designated representatives include U.S. Coast Guard commissioned, warrant, and petty officers.

(c) *Authority.* In addition to 33 U.S.C. 1231, the authority for this section includes 33 U.S.C. 1226.

(FR 10/17/02) 6/03

COAST PILOT 5 30 Ed 2003 Change No. 3

Page 120—Paragraph 2658, line 7; read:
navigation maintained by SPRR Bridge.

§165.812 Security Zones: Lower Mississippi River,

COAST PILOT 5 (Continued)**Southwest Pass Sea Buoy to Mile Marker 96.0, New Orleans, LA.**

(a) *Location.* Within the Lower Mississippi River and Southwest Pass, moving security zones are established around all cruise ships between the Southwest Pass Entrance Lighted Buoy "SW", at approximate position 28°52'42"N., 89°25'54"W. [NAD 83] and Lower Mississippi River mile marker 96.0 in New Orleans, Louisiana. These moving security zones encompass all waters within 500 yards of a cruise ship. These zones remain in effect during the entire transit of the vessel and continue while the cruise ship is moored or anchored.

(b) *Regulations.* (1) Entry of persons and vessels into these zones is prohibited unless authorized as follows.

(i) Vessels may enter within 500 yards but not closer than 100 feet of a cruise ship provided they operate at the minimum speed necessary to maintain a safe course.

(ii) No person or vessel may enter within 100 feet of a cruise ship unless expressly authorized by the Coast Guard Captain of the Port New Orleans or his designated representative.

(iii) Moored vessels or vessels anchored in a designated anchorage area are permitted to remain within 100 feet of a cruise ship while it is transit.

(2) Vessels requiring entry within 500 yards of a cruise ship that cannot slow to the minimum speed necessary to maintain a safe course must request express permission to proceed from the Captain of the Port New Orleans or his designated representative.

(3) For the purpose of this rule the term "cruise ship" is defined as a passenger vessel over 100 gross tons, carrying more than 12 passengers for hire, making a voyage lasting more than 24 hours, any part of which is on high seas, and for which passengers are embarked or disembarked in the United States or its territories.

(4) The Captain of the Port New Orleans will inform the public of the moving security zones around cruise ships via Marine Safety Information Broadcasts.

(5) To request permission as required by these regulations contact "New Orleans Traffic" via VHF Channels 13/67 or via phone at (504) 589-2780 or (504) 589-6261.

(6) All persons and vessels within the moving security zones shall comply with the instructions of the Captain of the Port New Orleans and designated on-scene U.S. Coast Guard patrol personnel. On-scene U.S. Coast Guard patrol personnel include commissioned, warrant, and petty officers of the U.S. Coast Guard.

(c) *Authority.* In addition to 33 U.S.C. 1231, the authority for this section includes 33 U.S.C. 1226.

\$165.813 Security Zones; Ports of Houston and Galveston, TX.

(a) *Location.* Within the Ports of Houston and Galveston, Texas, moving security zones are established encompassing all waters with 500 yards of a cruise ship between Galveston Bay Approach Lighted Buoy "GB", at approximate position 29°21'18"N., 94°37'36"W. [NAD 83] and up to, and including, Barbours Cut. These zones remain in effect during the inbound and outbound entire transit of the cruise ship and continues while the cruise ship is moored or anchored.

(b) *Regulations.* (1) Entry of vessels or persons into these zones is prohibited unless authorized as follows.

(i) Vessels may enter within 500 yards but not closer than 100 yards of a cruise ship provided they operate at the minimum speed necessary to maintain a safe course.

(ii) No person or vessel may enter within 100 yards of a cruise ship unless expressly authorized by the Coast Guard Captain of the Port Houston-Galveston. Where the Houston Ship Channel narrows to 400 feet or less between Houston Ship Channel Entrance Lighted Bell Buoy "18", light list no. 34385 at approximately 29°21'06"N., 94°47'00"W. [NAD 83] and Barbours Cut, the Captain of the Port Houston-Galveston may permit vessels that must transit the navigable channel between these points to enter within 100 yards of a cruise ship.

(iii) Moored vessels or vessels anchored in a designated anchorage area are permitted to remain within 100 yards of a cruise ship while it is in transit.

(2) Vessels requiring entry within 500 yards of a cruise ship that cannot slow to the minimum speed necessary to maintain a safe course must request express permission to proceed from the Captain of the Port Houston-Galveston, or his designated representative.

(3) For the purpose of this section the term "cruise ship" is defined as a passenger vessel over 100 gross tons, carrying more than 12 passengers for hire, making a voyage lasting more than 24 hours, any part of which is on the high seas, and for which passengers are embarked or disembarked in the United States or its territories.

(4) The Captain of the Port Houston-Galveston will inform the public of the moving security zones around cruise ships via Marine Safety Information Broadcasts.

(5) To request permission as required by these regulations contact "Houston Traffic" via VHF Channels 11/12 or via phone at (713) 671-5103.

(6) All persons and vessels within the moving security zone shall comply with the instructions of the Captain of the Port Houston-Galveston and designated on-scene U.S. Coast Guard patrol personnel. On-scene U.S. Coast Guard patrol personnel include commissioned, warrant, and petty officers of the U.S. Coast Guard.

(c) *Authority.* In addition to 33 U.S.C. 1231, the authority for this section includes 33 U.S.C. 1226.

(FR 10/03/02; FR 10/17/02) 6/03

Page 163—Paragraph 4020; read:

(d) *Tortugas marine reserves.* The following activities are prohibited with the Tortugas marine reserves: Fishing for any species and anchoring by fishing vessels.

(1) *EEZ portion of Tortugas North.* The area is bounded by rhumb lines connecting the following points: From point A at 24°40'00"N., 83°06'00"W. to point B at 24°46'00"N., 83°06'00"W. to point C at 24°46'00"N., 83°00'00"W.; thence along the line denoting the seaward limit of Florida's waters, as shown on the current edition of NOAA chart 11438, to point A at 24°40'00"N., 83°06'00"W.

(2) *Tortugas South.* The area is bounded by rhumb lines connecting, in order, the following points:

COAST PILOT 5 (Continued)

Point	North lat.	West long.
A	24°33'00"	83°09'00"
B	24°33'00"	83°05'00"
C	24°18'00"	83°05'00"
D	24°18'00"	83°09'00"
A	24°33'00"	83°09'00"

(FR 7/19/02) 6/03

Page 279—Paragraph 270; read:

About 1.1 miles W of Shallow Point, overhead power cables crossing the seaway have a minimum clearance of 81 feet. An overhead power cable about 4.5 miles W of Shallow Point has a clearance of 80 feet.

(CL 2133/02; FR 11/15/02) 6/03

Page 321—Paragraph 125, line 6; read:

Corps of Engineers. In April-October 2002, the controlling depth ...

(50/02 CG8; DDs 3560-64) 6/03

Page 397—Paragraph 275, lines 2 to 6; read:

landcuts and through **Bayou Milhomme**. Continuing N, the route is through **Bayou Long** and **Belle River to L.R. Mile 23.8** where State Route 70 pontoon bridge crosses the waterway. (See **117.1 through 117.59 and 117.424**, chapter 2, for ...

(CL 2108/02; FR 11/12/02) 6/03

**COAST PILOT 6 32 Ed 2002 Change No. 22
LAST NM 3/03**

Page 365—Paragraph 294, line 6; read:

Point and the Duluth Ship Canal bridge (Duluth Aerial Lift bridge) are also prominent.

(CL 2176/02) 6/03

Page 370—Paragraph 309, lines 3 to 4; read:

of the piers are marked by lights; a fog signal is at the S light. **Duluth Harbor Basin Traffic Lighted Buoy**, ...

(NOS/02) 6/03

Page 371—Paragraph 322; read:

A Lighted Current Meter has been installed on the Duluth Ship Canal bridge (Duluth Aerial Lift bridge) structure.

Light Codes	Directions	Current (Speeds in MPH)
Yellow	inbound/outbound	less than 1.0
Steady Red	inbound	1.0 - 3.0
Flashing Red	inbound	greater than 3.0
Steady Green	outbound	1.0 - 3.0
Flashing Green	outbound	greater than 3.0

(CL 2176/02) 6/03

Page 371—Paragraph 329, lines 1 to 10; read:

Towage.—Tugs to 1,250 hp are available from Great Lakes Towing Co., and Zenith Tugboat Co. Arrangements for the Great Lakes Towing Co. tugs are made through the dispatcher in Cleveland at 800-321-3663 or on VHF-FM channels 16, 10, 12, and 18A via remote antenna; at least 3 hours advance notice is requested. The tugs' VHF-FM channels include 16, 6, 12, 14, and 18A. Arrangements for the Zenith Tugboat Co. tugs can be made by calling 218-722-1702. Vessels are usually met inside the harbor, ...

(CL 2176/02) 6/03

COAST PILOT 6 32 Ed 2002 Change No. 23

Page 44—Paragraph 396 to Page 45—Paragraph 471; read:

§117.391 Chicago River.

The draws of the bridges operated by the City of Chicago over the Main Branch of Chicago River, the bridges on the North Branch of Chicago River from the Main Branch to North Halsted Street, mile 2.65, and bridges on the South Branch of Chicago River from the Main Branch to South Ashland Avenue, mile 4.47, shall operate as follows:

(a) For commercial vessels, all bridges shall open on signal if at least 12-hours advance notice is provided to the Chicago City Bridge Desk prior to the intended time of passage; except that, from Monday through Friday between the hours of 7 a.m. and 9:30 a.m., and between the hours of 4 p.m. and 6:30 p.m., except for Federal holidays, the draws need not open for the passage of vessels.

(b) For recreational vessels:

(1) From April 1 through November 30—

(i) The draws shall be scheduled to open, before 1 p.m., twice on Saturdays and twice on Sundays if requests for passage have been received at least 20 hours in advance. If the bridges have been authorized to remain closed for portions of a Saturday or Sunday to accommodate special events, openings shall be scheduled after 1 p.m. as necessary to provide two openings per day.

(ii) The draws shall open on Monday and Friday, after 6:30 p.m. Each opening requires notice that has been given at least 6 hours in advance of a vessel's requested time of passage.

(iii) The draws shall open on Wednesdays at 10 a.m., or as soon thereafter as practical, if a request for passage has been given at least 20 hours in advance.

(iv) The draws shall open at times in addition to those listed in paragraphs (b)(1)(i) through (b)(1)(iii) of this section, after notice has been given at least 20 hours in advance requesting passage for a flotilla of at least five vessels. However, the bridges need not open Monday through Friday from 7 a.m. to 9:30 a.m., and 4 p.m. to 6:30 p.m., except for Federal holidays.

(2) From December 1 through March 31, the draws

COAST PILOT 6 (Continued)

shall open on signal if at least 48 hours notice is given. However, the bridges need not open Monday through Friday from 7 a.m. to 9:30 a.m., and 4 p.m. to 6:30 p.m., except for Federal holidays.	...	(33 CFR 164.03)	6/03
(c) The following bridges need not be opened for the passage of vessels: The draws of South Damen Avenue, mile 6.14, over South Branch of Chicago River; all highway drawbridges between South Western Avenue, mile 6.7, and Willow Springs Road, mile 19.4, over Chicago Sanitary and Ship Canal; North Halsted Street, mile 2.85, and Division Street, mile 2.99, over North Branch Canal of Chicago River; and Division Street, mile 3.30, North Avenue, mile 3.81, Cortland Avenue, mile 4.48, Webster Avenue, mile 4.85, North Ashland Avenue, mile 4.90, and Union Pacific Railroad, mile 5.01, over North Branch of Chicago River.	Page 82—Paragraphs 1815 to 1820; strike out.	(33 CFR 165)	6/03
(33 CFR 117.391; FR 5/10/02)	Page 106—Paragraph 2470; read:	(40 CFR 140.4)	6/03
6/03	(ii) Waters of the State of Florida within the boundaries of the Florida Keys National Marine Sanctuary as delineated on a map of the Sanctuary at http://www.fknms.nos.noaa.gov/ .		
Page 45—Paragraph 479, line 1; read:	Page 107—Paragraph 2490, lines 3 to 4; read:	(FR 9/30/02)	6/03
(b) The draw of the Union Pacific railroad ... (33 CFR 117.393)	address: Commandant (G-MW-1), 2100 Second Street SW., Washington, DC 20593-0001, Attn: Director, Great Lakes Pilotage.		
6/03			
Page 58—Paragraph 925, line 2; read: elemental when carried in bulk.	Page 268—Paragraph 316 to Paragraph 317, line 3; read: In April 2002, the controlling depths were 19.2 feet (21.0 feet midchannel) in the entrance and through the outer basin to Lake Macatawa (except for shoaling to 15.6 feet along the N edge of the channel in the outer basin); thence in October-November 2002, the controlling depths were 19.0 feet (20.7 feet at midchannel) to Superior Point, thence 16.3 feet (19.4 feet at midchannel) to just above the turning basin, with 16.1 to 18.0 feet in the basin, thence 13.9 feet (16.9 feet at mid-channel) to the head of the Federal project.		
Charterer means the person or organization that contracts for the majority of the carrying capacity of a ship for the transportation of cargo to a stated port for a specified period. This includes “time charterers” and “voyage charterers”. (FR 08/19/02)	A dredged settling basin extends 900 feet upstream from the upper limit of the project in Macatawa River. In November 2002, the basin had depths of 4.0 to 7.6 feet. Dredging disposal areas ... (DD 2932; DDs 3698-3705)	6/03	
6/03			
Page 58—Paragraph 936, line 4; read: foreign country and that is not engaged in commercial service.	Page 273—Paragraph 345, lines 4 to 7; read: lights. In September 2002, the controlling depths were 11.7 feet (13 feet at midchannel) in the entrance channel and between the piers to the South Haven Municipal Marina, thence 6.9 feet (12.2 feet at midchannel) to the head of the project just below the Dyckman Avenue ... (DDs 3706-07)	6/03	
Time charterer means the party who hires a vessel for a specific amount of time. The owner and his crew manage the vessel, but the charterer selects the ports of destination. (FR 08/19/02)			
6/03			
Voyage charterer means the party who hires a vessel for a single voyage. The owner and his crew manage the vessel, but the charterer selects the ports of destination. (FR 08/19/02)	Page 359—Paragraph 165, line 6; read: by buoys, leads for 4 miles through the upper part of ... (38/02 CG9)	6/03	
6/03			
Page 59—Paragraph 976; read: (iv) Passport number; and (16) Name of the vessel’s charterer. (FR 08/19/02)	Page 374—Paragraph 379, line 5; read: May 2002, the controlling depth was 5.1 feet (7 feet at mid-channel) ... (DD 3708)	6/03	
6/03			
Page 59—Paragraph 1022; read: (iv) Passport number. (20) Name of vessel’s charterer. (FR 8/19/02)			
6/03			
Page 72—Paragraph 1408, lines 8 to 10; read: Capitol Street, NW., Suite 700, Washington, DC, and at the Office of Vessel Traffic Management (G-MWV), Coast Guard Headquarters, 2100 Second Street, SW., Washington,			

COAST PILOT 9**20 Ed 2002****Change No. 10
LAST NM 3/03**

Page 116—Paragraph 567; read:

Weather, Whittier and vicinity.—Whittier, is a town located at the SW end of Passage Canal. It is surrounded by snow-capped mountains and glaciers. Its location in the fjord accounts for weather that is common to both the coastal mountains and the open coast. Portage pass is a natural venturi, which accelerates natural wind passing through. In January, mean temperature ranges from 19°F (-7.2°C) to 30°F (-1.1°C) with 14.3 inches of precipitation, less than half of which is snow. In July, the mean temperature is 49°F (9.4°C) to 62°F (16.7°C) with about 12.5 inches of rain.

The annual snowfall is estimated at about 500 inches (12.7 m) in Whittier with accumulations of 12 feet (3.7 m) during February and March. Avalanches are known to cause major problems in the port by damaging railway equipment and port facilities. Also, a portion of the S shore of Passage Canal is exposed to surge waves generated by avalanches occurring on the N shore.

Generally, winds in Whittier flow from Portage Pass out Passage Canal (SSW) or the opposite direction (NNE). The wind vector with the greatest impact on Whittier is the S wind which blows off the Whittier Glacier. Such a wind may blow in the 30 to 40 m.p.h. range for considerably long periods.

Ice.—Whittier is a year round ice-free port.

(CL 6/2003)

6/03

Page 118—Paragraphs 576-577; read:

Alaska Railroad Wharf: In 2002, it was reported that the wharf was in ruin and no longer in use by ships. The railroad car barge facility at the NE end of the wharf is still in use. The wharf is owned by the Alaska Railroad.

CIRI Dock: Seasonal floating pier for tour boats, located just SW of the Alaska Railroad Wharf. The facility is owned by Cook Inlet Region Inc. and operated by Prince William Sound Cruises and Tours.

(CL 2079/02)

6/03

Page 118—Paragraph 578, line 2; read:

and CIRI Dock. The approach channel to the terminal ...

(CL 2079/02)

6/03

Page 126—Paragraph 726, line 1; read:

The waters of both shorelines of the Knight Passage are characterized by rocky and exceedingly broken bottom. Differences of 50 fathoms between adjacent soundings are not uncommon. As a measure of safety, deep-draft vessels should avoid areas where abrupt changes are indicated by the chart to depths less than 50 fathoms. The depths in the passage range from 40 to 400 fathoms.

(CL 2335/02)

6/03

Page 164—Paragraph 1389, line 7; read:

through a voice response system at 866-257-6787. It is reported ...

(CL 2079/02)

6/03

Page 236—Paragraph 598, line 3; read:

their sides, submerge, be extinguished or off station. Also, vessels entering on the flood tide can be expected to set towards Kaslokan Point.

(CL 2335/02)

6/03

Page 236—Paragraph 612, lines 4 to 5; read:

Cold Bay. In N weather, comfortable ...

(CL 2335/02)

6/03

COAST PILOT 9**20 Ed 2002****Change No. 11**

Page 44—Paragraph 244, line 2; read:

elemental when carried in bulk.

Charterer means the person or organization that contracts for the majority of the carrying capacity of a ship for the transportation of cargo to a stated port for a specified period. This includes “time charterers” and “voyage charterers”.

(FR 08/19/02)

6/03

Page 44—Paragraph 254, line 4; read:

country and that is not engaged in commercial service.

Time charterer means the party who hires a vessel for a specific amount of time. The owner and his crew manage the vessel, but the charterer selects the ports of destination.

Voyage charterer means the party who hires a vessel for a single voyage. The owner and his crew manage the vessel, but the charterer selects the ports of destination.

(FR 08/19/02)

6/03

Page 45—Paragraph 283; read:

(13) Location or position of the vessel at the time of the report;

(14) A list of crewmembers onboard the vessel. The list must include the following information for each person:

- (i) Full name;
- (ii) Date of birth;
- (iii) Nationality;
- (iv) Passport number or mariners document number; and

(v) Position or duties on the vessel;

(15) A list of persons in addition to the crew onboard the vessel. The list must include the following information for each person:

- (i) Full name;
- (ii) Date of birth;
- (iii) Nationality; and
- (iv) Passport number; and

(16) Name of the vessel's charterer.

(d) You may submit a copy of INS Form I-418 to meet the requirements of paragraphs (c)(14) and (c)(15) of this section.

(e)(1) Any changes to the information required by paragraphs (c) or (h) of this section must be reported as soon as practicable but no less than 24 hours before entering the port of destination.

(2) Any changes to the arrival time or the departure time in a submitted notice of arrival (NOA) that are less than six (6) hours need not be reported.

COAST PILOT 9 (Continued)

(3) When reporting changes, only report specific items to be corrected in the submitted NOA report. Do not resubmit the entire NOA report.

(f) International Safety Management (ISM) Code (Chapter IX of SOLAS) Notice. If you are the owner, agent, master, operator, or person in charge of a vessel that is 500 gross tons or more and engaged on a foreign voyage to the United States, you must provide the ISM Code notice described in paragraph (g) as follows:

(1) ISM Code notice beginning January 26, 1998, if your vessel is—a passenger vessel carrying more than 12 passengers, a tank vessel, a bulk freight vessel, or a high-speed freight vessel.

(2) ISM Code notice beginning January 1, 2002, if your vessel is—a freight vessel not listed in paragraph (f)(1) of this section or a self-propelled mobile offshore drilling unit (MODU).

(g) ISM Code notice includes the following:

(1) The date of issuance for the company's Document of Compliance certificate that covers the vessel.

(2) The date of issuance for the vessel's Safety Management Certificate, and,

(3) The name of the Flag Administration, or the recognized organization(s) representing the vessel flag administration, that issued those certificates.

(h) Any vessel planning to enter two or more consecutive ports or places in the United States during a single voyage may submit one consolidated Notification of Arrival at least 96 hours before entering the port or place of destination. The consolidated notice must include the port name and estimated arrival date for each destination of the voyage. Any vessel submitting a consolidated notice under this section must still meet the requirements of paragraph (e) of this section concerning changes to required information.

(FR 10/04/01; FR 01/18/02; FR 08/19/02) 6/03

Page 116—Paragraph 551, lines 3 to 4; read:

These waters are characterized by rocky and exceedingly ...
(CL 2335/02) 6/03

West Coast of Mexico—Time Zones		
Location	Standard Time	Daylight Savings Time
All states except those listed below	SIERRA (+6)	ROMEO (+5) Maintained from the first Sunday in April until the last Sunday in October.
Baja California Sur, Nayarit, Sinaloa, and Chihuahua	TANGO (+7)	SIERRA (+6) Maintained from the first Sunday in April until the last Sunday in October.
Baja California Norte	UNIFORM (+8)	TANGO (+7) Maintained from the first Sunday in April until the last Sunday in October.
Sonora	TANGO (+7)	Not observed.

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East Coast of Russia—Time Zones			
Zone	City	Standard Time	Daylight Savings Time
8	Vladivostok, Khabarovsk, Okhotsk	KILO (-10)	LIMA (-11)
9	Magadan, Yuzhno	LIMA (-11)	MIKE (-12)
10	Petropavlovsk, Pevek	MIKE (-12)	XRAY (-13)

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Eastern Canada—Time Zones		
Location	Standard Time	Daylight Savings Time
Newfoundland (except Labrador)	+3 1/2	+2 1/2 Maintained from the first Sunday in April until the Saturday before the last Sunday in October.
Atlantic Zone—New Brunswick, Nova Scotia, Anticosti E of 63°W, and Labrador	QUEBEC (+4)	PAPA (+3) Maintained from the first Sunday in April until the Saturday before the last Sunday in October.
Atlantic Zone—Eastern Quebec	QUEBEC (+4)	Not observed.
Eastern Zone—Eastern Northwest Territories, eastern Ontario, western Quebec, and Anticosti W of 63°W	ROMEO (+5)	QUEBEC (+4) Maintained from the first Sunday in April until the Saturday before the last Sunday in October.
Eastern Zone—Nunavet and western Ontario	ROMEO (+5)	Not observed.
Central Zone—Manitoba and central Northwest Territories	SIERRA (+6)	ROMEO (+5) Maintained from the first Sunday in April until the Saturday before the last Sunday in October.

SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
367	<i>University of Maine Research Lighted Buoy A</i>	42 31 05 N 70 33 56 W	Fl Y 4s	4	Yellow.		Marked ODAS. * 6/03
4025	Compass Island Ledge Isolated Danger Buoy DLL East of ledge.				Black and red with two black spherical topmarks.		
4915	- LIGHT 21	44 04 11 N 69 10 47 W	Fl W 6s	14	5 SG on white skeleton tower.	*	6/03
Merriconeag Sound Approach							
6675 40	Halfway Rock Light	43 39 21 N 70 02 12 W	Fl R 5s	77	19 White tower attached to dwelling. 76	Emergency light of reduced intensity when main light is extinguished. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates continuously.	
		*					6/03
8065	Phillip Rock Daybeacon 5				SG on spindle.	*	6/03
9975 350	Bakers Island Light	42 32 11 N 70 47 09 W	A1 W R 20s	111	W 16 R 14	White conical tower.	Emergency light Fl W 10s and horn of reduced intensity when main light or horn is extinguished. HORN: 1 blast ev 30s (3s bl).
		*					6/03
10425	<i>Fifteen-foot Rock Lighted Bell Buoy FR</i>	42 30 12 N 70 49 06 W	Fl (2+1) R 6s	4	Red and green bands.	*	6/03
*10974	Chelsea Creek NSTAR Hazard Buoy				White can with orange bands.	Marked: DANGER CABLE CROSSING.	
							6/03
*Add Heading: *Chelsea River							
10975	*Delete Heading: *Chelsea River						
10975	- Channel Lighted Buoy 2	42 23 18 N 71 01 06 W	Fl R 2.5s	3	Red.		
		*					6/03
Western Way							
11529	- LIGHT 1	42 16 49 N 70 56 20 W	Fl G 4s	31	5 SG on pile.	*	6/03

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 I LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13550	- Lighted Buoy 8	41 32 43 N 69 58 56 W	Fl R 6s		4	Red.	
		*					6/03
13650 545	Nantucket (Great Point) Light	41 23 24 N 70 02 54 W	Fl W 5s (R sector)	71 R	W 14 12	On white tower. 70	Red from 084° to 106°. Covers Cross Rip and Tuckernuck Shoals.
							6/03
	Cleveland Ledge Channel						
16085	Cleveland East Ledge Light	41 37 51 N 70 41 39 W	Fl W 10s	74	15	White cylindrical tower and dwelling on red caisson.	Emergency light of reduced intensity when main light is extinguished. RACON: C (- - -). HORN: 1 blast ev 15s (2s bl).
		*					6/03
16731 16040	DUMPLING ROCKS LIGHT 7 On rock.	41 32 18 N 70 55 17 W	Fl G 6s	52	8	SG on skeleton tower.	
		*					6/03
17525	- Channel Buoy 26					Red nun.	
		*					6/03
	Narragansett Bay						
	Eastern Approach						
17675	Narragansett Bay Entrance Lighted Whistle Buoy NB	41 23 00 N 71 23 24 W	Mo (A) W	6	Red and white stripes with red spherical topmark.	RACON: B (- - - -).	
						*	6/03
18255	Fork Rock Buoy	41 40 30 N 71 20 51 W				Red nun with green bands.	
		*					6/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
720 29328	Beaufort Intel Channel Lighted Whistle Buoy BM		Mo (A) W	6	Red and white striped with red spherical topmark.	RACON: M(- -).	
		*				*	6/03
8870	- Lighted Buoy 45		Fl G 2.5s	4	Green.	Replaced by LIB of lower intensity from the first Tuesday after Thanksgiving to Mar. 15.	
						*	6/03
14705	- Daybeacon 2 10 feet outside channel limit.			20		TR on pile.	
				*			6/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17690	- LIGHT 5		Fl G 4s	16	5	SG on pile.	
				*		*	
							6/03
18600	- Lighted Buoy 90		Fl R 4s		4	Red.	Replaced by LIB of lower intensity from Dec. 1 to Mar. 15.
					*		
							6/03
19725	GREENBURY POINT SHOAL LIGHT	38 58 06 N 76 27 15 W	Fl W 4s	40	6	NR on red skeleton tower on multi-pile structure.	Higher intensity beam toward entrance to Annapolis Harbor and toward south approach to bay.
		*			*		
							6/03
19790	Naval Station Ramp Obstruction Daybeacon	38 58 52 N 76 27 55 W				NW on pile worded DANGER ROCK.	
		*					
							6/03
Severn River							
19935	Weems Creek Junction Daybeacon WC	39 00 04 N 76 29 56 W				JG on pile.	
		*					
							6/03
Mill Creek							
20030	- LIGHT 2M	38 59 34 N 76 26 49 W	Fl R 2.5s	14	3	TR on pile.	
		*					
							6/03
23490	- Lighted Bell Buoy 12		Fl R 4s		4	Red.	Replaced by lighted buoy of lower intensity from Dec. 1 to Mar. 15.
					*		
							6/03
23680	- Lighted Bell Buoy 1	38 12 21 N 75 55 55 W	Fl G 4s		4	Green.	Replaced by lighted buoy of lower intensity from Dec. 1 to Mar. 15.
					*		
							6/03
27600	- Channel Lighted Buoy 3		Fl G 4s		4	Green.	Replaced by unlighted ice buoy from Nov. 25 to Apr. 1.
					*		
							6/03
27645	- Channel Lighted Buoy 11		Fl G 4s		4	Green.	Replaced by unlighted ice buoy from Nov. 25 to Apr. 1.
					*		
							6/03
Northeast River							
27835	- Lighted Buoy 2	39 29 12 N 75 59 56 W	Fl R 4s		4	Red.	Replaced by unlighted ice buoy from Nov. 25 to Apr. 10.
					*		
							6/03
29235	- LIGHT 21		Fl G 4s	15	4	SG on pile.	
				*			
							6/03

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 Denotes a new entry when preceding the station number.

SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Beaufort Inlet							
29328 720	- Channel Lighted Whistle Buoy BM		Mo (A) W		6	Red and white with red spherical topmark. RACON: M(—).	
	*				*		6/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Naples Bay Channel							
17595	- Daybeacon 25	26 06 47 N 81 47 14 W				SG on pile.	
	*						6/03
22515	- Lighted Buoy 1	27 39 33 N 82 35 56 W	Q G		3	Green.	
	*						6/03
24715 60525	- LIGHT 4	27 41 41 N 82 36 32 W	Q R	16	3	TR-TY on pile.	
	*						6/03
60525 24715	- LIGHT 4	27 41 41 N 82 36 32 W	Q R	16	3	TR-TY on pile.	
	*						6/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Beaufort Inlet							
1568	- SUBMERGED JETTY LIGHT M	32 41 11 N 117 13 37 W	Fl W 4s	15	4	NW on pile worded: DANGER SUBMERGED JETTY.	
	*						6/03
3640	- SOUTH JETTY LIGHT 2	34 09 22 N 119 16 10 W	Fl R 2.5s	35		Rectangular concrete.	The fog signal can be activated upon request to the Coast Guard via VHF-FM Ch 16. HORN: 1 blast ev 15s (1s bl).
	*			*	*		6/03
3845	- Lighted Buoy 2		Fl R 4s	3	Red.		Lighted from May 1 to Oct. 1.
	*						6/03
3930 250	- Gong Buoy 18EB	35 23 06 N 120 53 12 W			Red.		
*							6/03

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 VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4683	- TURNING BASIN LIGHT A	37 47 42 N 122 17 22 W	Iso W 6s	18	4	NG on pile.	
		*					6/03
5770	- Lighted Buoy 1	37 55 46 N 122 25 42 W	FL G 4s				Green
							6/03
SACRAMENTO AND SAN JOAQUIN RIVER (Chart 18661)							
Sacramento River							
7620	- LIGHT 2	38 10 38 N 121 39 53 W	Q R	15		TR on pile	
							6/03
8105	- DIRECTIONAL LIGHT	39 25 36 N 123 48 24 W	F W	15	1	On pile.	Visible white light in center of channel (103.5°T-106.5°T); red light when right of inbound channel (100°T-103.5°T); green light when left of inbound channel (106.5°T-110°T).
		*					6/03
8165	- ENTRANCE RANGE FRONT LIGHT	40 45 05 N 124 13 36 W	Q G	20		KRW on pile.	Visible 5° each side of rangeline. Operates continuously.
							*
8170	- ENTRANCE RANGE REAR LIGHT 268 yards, 141.5° from front light.		Oc G 4s	38		KRW on pile.	Operates continuously.
							*
8486	- Buoy Q					White can with orange bands.	
		*					6/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Constellation Nuclear Security Zone							
2060	- No Entry Buoy A	43 31 00 N 76 25 42 W				White can with orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.
		*					6/03
2271.3	- No Entry Buoy D	43 17 18 N 77 18 42 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
							6/03
4345	- Lighted Buoy 5		Fl G 4s	4	Green.		Maintained from Apr. 15 to Nov. 14.
							*
							6/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4605	- Lighted Buoy 6		Fl R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14. * 6/03
4725	- RANGE FRONT LIGHT	41 28 36 N 82 41 48 W	Q G	33 10	9	KRW on skeleton tower.	Visible on range line only. Higher intensity on rangeline only. * 6/03
5255	PLEASANT POINTE NORTH PIER LIGHT	41 32 24 N 82 42 54 W	Fl W	16 5		On post.	Maintained from Apr. 15 to Nov. 30. Private aid. * 6/03
6050	- Entrance Light 2	41 49 30 N 83 11 36 W	Fl R 2.5s	44 13	13	TR on tower with red band.	RACON: M (- -) BELL: 1 strike ev 30s. HORN: 1 blast ev 15s (1s bl). Standby Signal. Operates year round. * 6/03
6465	- RANGE REAR LIGHT 860 feet, 290° from front light.	41 49 47 N 83 24 57 W	F R	47 14		On pile.	Private aid. * 6/03
7195	Livingstone Channel Upper Entrance Light (C)	42 08 12 N 83 07 18 W	Al WR 10s	40 12	15 20	White circular tower mounted on white square crib.	Emergency light Fl (2) W 15s. HORN: (two-tone) 1 blast ev 15s (4s bl). Operates year round * 6/03
8575	- Buoy 31					Green can.	* 6/03
11170	ALABASTER TRAMWAY RANGE REAR LIGHT 170 feet, 270° from front light.		F R	70 21		Gray box.	Private aid. * 6/03
12625	- Lighted Bell Buoy 1	45 48 24 N 84 42 30 W	Fl G 4s	4		Green.	6/03
14191	GEORGE KEMP MARINA EAST LIGHT	46 30 01 N 84 20 11 W	Fl G 4s	12 4		Metal tower.	Maintained from May 1 to Oct. 31. Private aid. * 6/03

*Change Note to Read:

Mackinaw Bridge

*Buoys maintained from Apr. 28 to Dec. 7.

12625	- Lighted Bell Buoy 1	45 48 24 N 84 42 30 W	Fl G 4s	4		Green.	6/03
14191	GEORGE KEMP MARINA EAST LIGHT	46 30 01 N 84 20 11 W	Fl G 4s	12 4		Metal tower.	Maintained from May 1 to Oct. 31. Private aid. * 6/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14192	GEORGE KEMP MARINA WEST LIGHT	46 30 02 N 84 20 14 W	Fl R 4s	12 4		Piling with metal tower.	Maintained from May 1 to Oct. 31. Private aid. *
							6/03
15150	LAC LA BELLE NORTH PIERHEAD LIGHT		Fl R 4s	25 8	4	2 TR on gray pole.	*
							6/03
15155	<i>Keweenaw Point Lighted Buoy 1</i>		Fl G 4s		4	Green.	Maintained from May 14 to Oct. 14. *
							6/03
16604	- HARBOR OF REFUGE SOUTH BREAKWATER LIGHT	47 31 14 N 90 55 28 W	Iso W 4s	22 7		NW on tower worded CAUTION.	Private aid. Ra ref.
							6/03
*Delete Headings:							
*BEAVER BAY TO PIGEON POINT (Chart 14967)							
*Taconite Harbor							
16605	- HARBOR OF REFUGE BREAKWATER LIGHT 3	47 31 16 N 90 55 25 W	Fl G 4s	22 7		SG on tower.	Private aid. Ra ref.
	*	*	*	*		*	*
16606	- HARBOR OF REFUGE INNER LIGHT	47 31 17 N 90 55 25 W	Q R	17 5		TR on tower.	Visible from 284° to 336°. Private aid.
							6/03
16770	<i>Middle Island Passage Lighted Bell Buoy 2</i>	48 05 27 N 88 34 20 W	Fl R 4s		4	Red.	Replaced by nun from Oct 14 to May 28. *
							6/03
*Change Heading to Read:							
*BIG TRAVERSE BAY (CHART 6211) (C)							
16925	PENASSE ISLAND LIGHT (C)	49 22 18 N 94 57 30 W	Fl W 4s	37 11	6	Red and white rectangular daymark on circular mast. 20	Visible from 181° to 076°.
							6/03
*Add Heading:							
*LAKE OF THE WOODS (Chart 14999)							
16930	<i>Pine Creek Lighted Buoy 2</i>		Fl R 4s		3	Red.	
							6/03
18395	- SOUTH PIERHEAD LIGHT		Fl R 6s	30 9	6	TR on post.	
				*			6/03
Suttons Bay							
18425	- INNER LIGHT		Fl R 6s	27 8	4	TR on post.	
							6/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18815	BANK POINT LIGHT Marks south side of shoal.		Fl G 4s	24 7	5	SG on post on concrete pier.	*
							6/03
19800	- Harbor Breakwater South End Light	41 43 34 N 87 29 36 W	AI WR 10s 0.2s W fl 4.8s ec. 0.2s R fl 4.8s ec.	50 15	W 15 R 12	White square skeleton tower with red band. Lower half open.	HORN: 1 blast ev 15s (2s bl). Operates continuously from Apr. to Dec.
				*			*
							6/03
22010	Peshlgo River Entrance Lighted Bell Buoy 2						Remove from list.
							*
							6/03
*22014	Oconto Harbor Lighted Bell Buoy	44 53 00 N 87 46 00 W	Fl R 4s	4	Red.		Maintained from May 1 to Nov. 14.
							6/03

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2002 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17768 G 0122	Ponta de Mucuripe.	3° 43.6' S 38° 28.3' W	Fl.(2)W. period 10s fl. 0.6s, ec. 2s fl. 0.6s, ec. 6.8s	279 85	43	White round masonry tower, black bands; 72.	Q.W. 80m 23M on mast 2 miles W. Q.W. 112m 23M on mast 2.5 miles W. Radiobeacon 40 meters W.
					*		* 6/03
17810 G 0152.5	Pontal.	4° 56.4' S 37° 08.7' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	33 10	9	White round fiberglass tower, black bands; 26.	*
					*		6/03
18652 G 0499	-Range "B", front, Ponta da Praia No. "3".						Remove from list.
					*		* 6/03
18656 G 0499.1	-Ponta da Praia No. "4".	23° 59.1' S 46° 18.6' W	F.W.R.G.	43 13		White quadrangular concrete tower, black bands; 39.	R. 053°-057°, W.-058°, G.-062°, obsc.-053°.
					*		* 6/03

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*846 G 2044	Cerro Azul.	13° 01.8' S 76° 29.4' W	Fl.(2)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	59 18	9	Black structure, white bands.	
					*		6/03
5693.5 K 2860	--"M7".	27° 08.3' S 153° 20.8' E	V.Q.(3)W. period 5s	26 8		E. CARDINAL BYB, articulated beacon, topmark.	
					*		6/03
*8829.5 K 1807.5	-Range, front.	33° 57.1' S 120° 07.3' E	Iso.Bu. period 4s	10 3	6	Beacon, orange triangular daymark, point up; 10.	
					*		6/03
*8829.6 K 1807.6	--Rear, 1627 meters 308° from front.	33° 56.5' S 120° 06.5' E	Iso.Bu. period 8s	39 12	6	White pole, orange triangular daymark, point down; 39.	
					*		6/03
*10471 K 2958.1	-Sea Reach, N.	24° 45.3' S 152° 23.5' E	Dir.F.W.G.			Aluminum framework tower; 36.	Shown on request.
					*		6/03
*10471.1 K 2958.101	--S.	24° 45.3' S 152° 23.5' E	Dir.F.W.R.			Aluminum framework tower; 36.	Shown on request.
					*		6/03

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CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

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15092 <i>G 3481</i>	Punta Graham.	19° 10.6' N 104° 41.5' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	656 200	10	Truncated pyramidal metal tower; 36.	*
					*		*
							6/03
ISLAS REVILLAGIGEDO:							
15144 <i>G 3474</i>	-Isla Socorro.	18° 43.3' N 110° 56.7' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	59 18	10	Truncated pyramidal metal tower; 24.	*
					*	*	*
							6/03
15148 <i>G 3475</i>	-Isla Clarion.	18° 20.8' N 114° 44.2' W	Fl.W. period 6s fl. 1s, ec. 5s	115 35	10	Truncated pyramidal metal tower; 24.	*
							6/03
15152 <i>G 3472</i>	Punta San Telmo.	18° 19.6' N 103° 29.5' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	230 70	18	White square concrete tower, dwelling; 39.	Visible 279°-149°.
					*		6/03
15160 <i>G 3469</i>	Lazaro Cardenas.	17° 55.3' N 102° 10.1' W	Fl.W. period 7s	131 40	18	White round concrete tower, black bands; 118.	
RACON			C(- - -)		20		
					*		6/03
*Add Heading: *ESTERO DE SAN JOSE (LAGUNA DE GUERRERO NEGRO):							
*15160.5 <i>G 3470.4</i>	-Entrance Range, front.	17° 56.3' N 102° 11.2' W	Fl.W. period 3s fl. 1s, ec. 2s	49 15	9	Truncated pyramidal metal tower; 43.	
							6/03
*15161 <i>G 3470.41</i>	-Rear, 310 meters 302° from front.	17° 56.4' N 102° 11.3' W	Iso.W. period 2s	66 20	9	Truncated pyramidal metal tower; 59.	
							6/03
15162 <i>G 3470.5</i>	-Canal Industrial Range, front.					Remove from list.	
							*
							6/03
15163 <i>G 3470.51</i>	-Rear.					Remove from list.	
							*
							6/03
15164 <i>G 3470</i>	-E. breakwater.	17° 55.6' N 102° 09.8' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	30 9	5	Red truncated pyramidal metal tower; 24.	
					*	*	
							6/03

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CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15168 <i>G 3470.2</i>	-W. breakwater.	17° 55.3' N 102° 09.8' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	30 9	5	Green truncated pyramidal metal tower; 24.	*
					*		6/03
15172 <i>G 3470.4</i>	-Entrance Range, front.						Remove from list.
					*		6/03
15176 <i>G 3470.41</i>	--Rear, about 310 meters 302° from front.						Remove from list.
					*		6/03
*Add Heading: *ISLAS REVILLAGIGEDO:							
*15177 <i>G 3470.5</i>	-Canal Industrial Range, front.	17° 57.1' N 102° 10.1' W	Fl.W. period 3s fl. 1s, ec. 2s	33 10	9	Truncated pyramidal metal tower; 24.	
							6/03
*15178 <i>G 3470.51</i>	--Rear, 50 meters 033°25' from front.	17° 57.1' N 102° 10.1' W	Iso.W. period 2s	43 13	9	Truncated pyramidal metal tower; 24.	
							6/03
15180 <i>G 3466</i>	Punta Garrobo.	17° 37.0' N 101° 33.0' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	377 115	15	Square concrete tower, white house; 42.	Visible 270°-132°.
					*		6/03
15184 <i>G 3467</i>	La Solitaria (Piedras Negras).	17° 35.5' N 101° 33.5' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	62 19	9	White truncated pyramidal aluminum tower; 24.	
					*		6/03
15185 <i>G 3465.8</i>	Punta Gorda.	17° 32.0' N 101° 27.0' W	Fl.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	394 120	10	Truncated pyramidal aluminum tower; 24.	
					*		6/03
15188 <i>G 3468</i>	Isla Grande (Piedra Ahogada).	17° 40.7' N 101° 40.0' W	Fl.W. period 6s fl. 1s, ec. 5s	39 12	9	White truncated pyramidal aluminum tower; 24.	
					*		6/03
15196 <i>G 3465</i>	Morro Papanoa.	17° 16.1' N 101° 03.2' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	427 130	10	Truncated pyramidal metal tower; 39.	
					*		6/03

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CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

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15197 <i>G 3464.5</i>	Puerto Vicente, N. breakwater.	17° 16.8' N 101° 03.0' W	FL.R. period 5s fl. 0.5s, ec. 4.5s	36 11	7	White truncated pyramidal metal tower; 24.	
				*	*		6/03
15198 <i>G 3464.6</i>	-S. breakwater.	17° 16.8' N 101° 03.1' W	FL.G. period 5s fl. 0.5s, ec. 4.5s	36 11	7	White truncated pyramidal metal tower; 24.	
				*			6/03
*15238	Barra de Tecuanapa.	16° 31.0' N 98° 35.0' W	FL.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s			Post; 26.	
							6/03

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
3658 <i>F 7054.4</i>	-Breakwater, N. head.	40° 38.9' N 139° 55.4' E	FL.R. period 3s	49 15	4	Tower; 36.	
				*	*	*	6/03
6024 <i>F 6159.5</i>	Okiro Shima.	34° 42.0' N 136° 58.6' E	Mo.(A)G. period 8s	30 9	3	PORT (B) G, beacon, topmark.	
				*	*		6/03
7324 <i>F 5916</i>	-S. breakwater, head.					Remove from list.	
						*	6/03
7428 <i>F 5867.2</i>	-NE. head.	34° 40.6' N 135° 17.7' E	FL.G. period 3s	66 20	7	White tower; 65.	
				*	*		6/03
7492 <i>F 5843</i>	-Suma, offing, breakwater, E. head.	34° 38.4' N 135° 08.2' E	FL.G. period 3s	33 10	5	White round concrete tower; 28.	
				*	*		6/03
7736 <i>F 5766.5</i>	-W. breakwater, SE. head.	34° 45.4' N 134° 41.0' E	FL.G. period 3s	65 20	4	White tower; 65.	
				*	*		6/03
7768 <i>F 5760</i>	-W.	34° 45.7' N 134° 35.2' E	FL.(2)G. period 5s	33 10	4	White tower; 24.	
				*	*		6/03
8584 <i>F 5480</i>	Kayatomari Hana.	34° 11.6' N 133° 01.8' E	FL.W. period 4s	102 31	11	White tower; 26.	
				*	*		6/03

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9052 <i>F 5692</i>	Kourume Sima.	34° 14.4' N 132° 31.1' E	Fl.W. period 4s	72 22	11	White concrete structure; 36.	
		*			*		*
							6/03
9202 <i>F 5641</i>	Okikamuro Sima.	33° 50.7' N 132° 21.9' E	Mo.(C)G. period 13s	49 15	10	PORT (B) G, beacon, topmark; 36.	
		*		*	*		
							6/03
9228 <i>F 5413</i>	Amata Sima.	33° 46.3' N 132° 03.1' E	Fl.(2)W. period 6s	49 15	12	White round metal structure; 32.	
		*		*			
							6/03
9508 <i>F 5404.4</i>	Hiburi Saki.	33° 55.8' N 131° 49.1' E	Fl.W. period 4s	121 37	12	White round concrete tower; 25.	
		*	*		*		
							6/03
9872 <i>F 5343</i>	Hiagari, No. "1" breakwater.	33° 54.6' N 130° 52.8' E	Fl.(2)R. period 6s	39 12	5	Red tower; 31.	
		*	*		*	*	
							6/03
9876 <i>F 5343.4</i>	--No. "2" breakwater.	33° 54.7' N 130° 52.7' E	Fl.R. period 4s	40 12	5	Red tower; 31.	
		*	*		*	*	
							6/03
11676 <i>F 5177.5</i>	--No. "3".	33° 11.0' N 130° 14.1' E	Fl.(2)G. period 6s	27 8	5	PORT (B) G, beacon, topmark; 17.	
		*			*		
							6/03
11680 <i>F 5177.6</i>	--No. "4".	33° 11.2' N 130° 14.2' E	Fl.(2)R. period 6s	27 8	5	STARBOARD (B) R, beacon, topmark; 17.	
		*			*		
							6/03
*16570 Jiksan Hang, E.breakwater.		36° 43.4' N 129° 28.5' E	Fl.R. period 4s	33 10	6	White round steel tower; 19.	
							6/03
*16570.1 Jiksan Hang, S. breakwater.		36° 43.4' N 129° 28.4' E	Fl.G. period 4s	33 10	5	White round steel tower; 19.	
							6/03
16644 <i>F 4406</i>	Janggi Gab (Changgi Ap).	36° 04.5' N 129° 34.3' E	Fl.W. period 12s	101 31	27	White octagonal concrete tower; 85.	Visible 106°-347°. Siren: 1 bl. ev. 60s. Radio beacon.
					*	*	
							6/03
*16672.2 N. Gampo Hang.		35° 48.2' N 129° 30.5' E	Fl.(2)G. period 6s	43 13	5	White octagonal concrete tower; 56.	
							6/03
16688 <i>F 4385</i>	-Hwaam Chu.	35° 28.2' N 129° 24.6' E	Al.Fl.W.R. period 20s	161 49	W. 26 R. 21	White round concrete tower; 144.	Visible 250°-162°. Horn: 1 bl. ev. 60s.
		*			*		
							6/03

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CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

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16690 <i>F 4381.3</i>	-Breakwater, E. end.	35° 28.1' N 129° 24.4' E	Fl.Y. period 4s	56 17	7	Yellow round concrete tower; 32.	
			*		*	*	6/03
16712 <i>F 4378</i>	Kanjol Ap.	35° 21.6' N 129° 21.7' E	Fl.W. period 15s	115 35	26 55.	White octagonal concrete tower; Visible 165°-045°. Horn: 1 bl. ev. 55s.	
					*	*	6/03
16963 <i>F 4321.8</i>	Maekjonp'o Hang W. breakwater.	34° 53.7' N 128° 10.1' E	Fl.G. period 6s	33 10	6	White steel staff; 16.	
			*	*	*	*	6/03
*17219 <i>F 4305.4</i>	Chokkum-do.	34° 37.6' N 127° 31.5' E	Fl.W. period 6s	62 19	8	White octagonal concrete tower; 36.	
							6/03
17393 <i>F 4265.7</i>	-Dudo Hang, N. breakwater.	33° 30.5' N 126° 27.9' E	Fl.G. period 6s	50 15	8	White round concrete tower; 33.	
			*		*		6/03
17584 <i>F 4232</i>	Kasa Do.	34° 28.0' N 126° 03.0' E	Fl.W. period 15s	230 70	27 38.	White round concrete structure; Visible 233°-161°. Horn: 1 bl. ev. 45s.	
				*			6/03
*17630 <i>F 4218.3</i>	Tongyang dolphin "A".	34° 46.7' N 126° 25.6' E	Fl.(2)Y. period 6s	30 9	7	Yellow round pipe.	Horn: 1 bl. ev. 20s.
							6/03
*17630.5 <i>F 4218.35</i>	"B".	34° 46.7' N 126° 25.7' E	Fl.Y. period 4s	30 9	7	Yellow round pipe.	
							6/03
17708 <i>F 4227</i>	Sohuksan Do.	34° 05.5' N 125° 06.2' E	Fl.W. period 15s	276 84	27	White round brick structure; 36.	Visible 032°-268° except where obscured by shore (149°-153°). Siren: 1 bl. ev. 60s.
				*			6/03
17844 <i>F 4184</i>	Kyongnyolbi.	36° 37.4' N 125° 33.6' E	Fl.W. period 10s	351 107	26	White hexagonal concrete structure; 32.	Obscured by Kaori, 299°-308°.
RACON			K(-•-)		10		
				*	*		6/03
*17865.8	Samsung Quay "A".	37° 00.4' N 126° 21.1' E	Fl.Y. period 6s	20 6	7	Yellow round fiberglass structure; 21.	
							6/03
*17865.9	-- "B".	37° 00.5' N 126° 21.2' E	Fl.Y. period 6s	20 6	7	Yellow round fiberglass structure; 21.	
							6/03
18382	Jinzhou Gang Range, front.	40° 48.7' N 121° 03.9' E	F.W.	138 42	12	White beacon, round daymark.	Channel marked by lighted port and starboard buoys.
			*				6/03

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SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18382.1	-Rear, 1820 meters 005°41' from front.	40° 49.7' N 121° 04.0' E	Fl.W. period 4s	240 73	12	White beacon, round daymark.	
				*			6/03
*18383	Basin No "5" Range, front. F 3966.5	40° 47.9' N 121° 04.7' E	F.R.	49 15	6		
							6/03
*18383.1	-Rear, 110 meters 060° from front. F 3966.51	40° 47.9' N 121° 04.7' E	F.R.	66 20	6		
							6/03
20124	Mulan Tou. F 3348.1	20° 09.6' N 110° 41.0' E	Fl.(2)W. period 15s	289 88	25	White round concrete structure; Reserve light range 20M. 237.	
				*	*		6/03
20128	Baohu Jiao. F 3348.3	20° 00.1' N 110° 56.0' E	Fl.W. period 6s	174 53	18	White round stone tower; 39. Radiobeacon about 0.5 mile NW.	
	RACON		C(- - -)				
		*	*	*			6/03
*20131	Baisha Men. F 3347.95	20° 04.3' N 110° 18.9' E	Fl.W. period 6s	256 78	18	White pyramidal concrete tower; 236.	
	RACON		K(- - -)				6/03
20132	Xiuying. F 3346	20° 01.2' N 110° 16.1' E	Al.Fl.(3+1)W.R. period 45s W. fl. 1.5s, ec. 6s W. fl. 1.5s, ec. 6s W. fl. 1.5s, ec. 13.5s R. fl. 1.5s, ec. 13.5s	131 40	W. 15 R. 10	White round tower; 79.	
		*	*				6/03
21684	Alert Shoal. F 1678					Remove from list.	
							*
							6/03
*Add Heading: *PELAHUAN SUNGAI UDANG:							
*21744.6	-SBM. F 1628.1	2° 11.7' N 102° 06.5' E	Mo.(U)W. period 10s		Yellow SBM.	Horn: Mo.(U) ev. 30s. Radar reflector.	
	RACON		U(• • -)				6/03
*Delete Heading: *PELAHUAN SUNGAI UDANG:							
21745	-Oil terminal, N. dolphin. F 1628.3	2° 15.2' N 103° 10.0' E	F.R.				
							6/03
22580	Tanjung Parit. F 1413.5	1° 31.5' N 102° 26.1' E	Fl.W. period 5s	138 42	17	White metal framework tower; 131.	
		*	*				6/03

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SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*23224.5 <i>F 1242</i>	Karang Bayang.	0° 34.4' N 98° 59.3' E	Fl.W. period 5s	43 13	13	ISOLATED DANGER BRB, beacon, topmark.	6/03
24078 <i>F 1909.1</i>	Wong Sands.	2° 06.3' N 111° 08.6' E	Fl.W. period 8s		18		6/03
	*			*	*		
24093 <i>F 1920.2</i>	Kual Paloh.	2° 29.6' N 111° 11.4' E	Fl.(4)W. period 20s		16	Beacon.	6/03
	*			*	*		
24125 <i>F 1922.5</i>	-Beacon.	2° 53.2' N 111° 52.2' E	Fl.W. period 7s		18		6/03
	*			*	*		
24135 <i>F 1922.5</i>	-Beacon.	2° 55.4' N 112° 05.5' E	Fl.(2)W. period 12s		17		6/03
	*			*	*		

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
*1910.5 <i>D 1525.5</i>	-Ciervana breakwater, elbow.	43° 21.7' N 3° 04.3' W	Fl.(2+1)G. period 10s fl. 0.5s, ec. 0.8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5.7s	72 22	5 16	Green round tower, red stripe;	Visible 014°-275°.
							6/03
*1910.6 <i>D 1524.4</i>	- -head.	43° 21.5' N 3° 02.8' W	Fl.(2)G. period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	72 22	5	Green round tower;	16.
							6/03
*1911 <i>D 1524.6</i>	-Santurce breakwater, head.	43° 21.1' N 3° 02.7' W	Fl.(2+1)G. period 10s fl. 0.5s, ec. 0.8s fl. 0.5s, ec. 2s fl. 0.5s, ec. 5.7s	49 15	3 16	Green round tower, red stripe;	
							6/03

FUENGIROLA:

4339 <i>E 0058.5</i>	-Pier, head.	36° 32.7' N 4° 36.7' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	16 5	5	Green pyramidal tower; 13.	6/03
			*				

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SECTION II

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*5691.5 <i>E 0393.7</i>	Torredebarra.	41° 07.9' N 1° 23.7' E	Fl.(5)W. period 30s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 9.8s	190 58	19	White octagonal tower, copper dome; 125.	
							6/03
8952 <i>E 1438</i>	-Monto Poro.	42° 43.6' N 10° 14.3' E	Fl.W. period 5s fl. 1s, ec. 4s	525 160	16	White framework tower; 7.	Reserve light range 12M.
	*				*		*
							6/03
*Add Heading: *PORTO DE MESSINA:							
*9766 <i>E 1813</i>	-Marina del Nettuno.	38° 12.0' N 15° 33.6' E	Fl.R. period 3s fl. 1s, ec. 2s	10 3	3	Red mast.	
							6/03
*Delete Heading: *PORTO DE MESSINA:							
9768 <i>E 1814</i>	-Punta San Raineri.	38° 11.5' N 15° 34.5' E	Fl.(3)W. period 15s fl. 1.5s, ec. 2s fl. 1.5s, ec. 2s fl. 1.5s, ec. 6.5s	136 41	16	Gray square tower surmounted by octagonal turret, black and white bands; 139.	Reserve light range 12M.
							6/03
23632 <i>D 2641</i>	-Ribeira Quente.						Remove from list.
					*		
							6/03
23696 <i>D 2632.3</i>	-Sao Lourenco Range, front.	36° 59.5' N 25° 03.4' W	L.Fl.R. period 5s fl. 2s, ec. 3s	85 26	6	White post, red bands on white house with blue arches, red lantern; 20.	Range difficult to distinguish against background lights.
	*				*		
							6/03
23700 <i>D 2632.4</i>	--Rear, about 64 meters 273.3° from front.	36° 59.5' N 25° 03.4' W	Oc.R. period 7.5s lt. 4s, ec. 3.5s	121 37	6	Red lantern on house with veranda; 7.	
	*				*		
							6/03

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
A 1127	-Jetee du Dyck, head.	51° 02.2' N 2° 09.8' E	Fl.(4)G. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	79 24	16	White metallic pole, green top; 75.	Various lights are shown in the interior of the port.
	*	*	*				
							6/03

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SECTION II

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8988 A 1121	-Ancienne Jetty, W.	51° 03.4' N 2° 21.5' E	Q.W.	36 11	9	Green pylon on hut; 46.	* 6/03
8996 A 1116	-Musoir, E. jetty, head.	51° 03.6' N 2° 21.2' E	Fl.(2)R. period 10s fl. 0.2s, ec. 2.3s fl. 0.2s, ec. 7.3s	39 12	16	Red square on white pylon, red top; 26.	Reserve light Fl.(2)W. 10s. *

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
128 B 2149	Vacker Rock.	58° 42.8' N 11° 09.7' E	Fl.(4)W.R.G. period 12s	44 14	W. 8 R. 6 G. 5	White tower, red top, black stripe on gray conical base; 44.	G. 344°30'-016°, W.-019°, R.-034°, G.-071°, W.-085°30', R.-099°, G.-285°, R.-344°30'. *
6392 C 2743	-Politzer Wiesen Range, front.	53° 33.1' N 14° 36.0' E	Oc.Y. period 4s lt. 3s, ec. 1s	49 15	5	White tower, orange top, two galleries, conical roof.	*
6396 C 2743.1	-Rear, 660 meters 176° from front.	53° 32.8' N 14° 36.0' E	Oc.Y. period 4s lt. 3s, ec. 1s	84 26	5	White square iron tower, orange top, two galleries, conical roof.	Synchronized with front. *
7864 C 7360	-Harbor entrance Range, front.	56° 39.7' N 16° 22.2' E	Q.R.	26 8	8	Framework tower, red and white daymark.	*
7868 C 7360.1	--Rear, 50 meters 277° from front.	56° 39.7' N 16° 22.1' E	Iso.R. period 4s	36 11	8	Framework tower, red and white daymark.	*
8892 C 6675.4	Rokogrundet.	58° 47.2' N 17° 46.6' E	Oc.(2)W.R.G. period 12s	33 10	W. 10 R. 7 G. 6	Black tower, white band, green lantern; 36. Floodlit.	R. 169°-292°, G.-321°, W.-324°30', R.-024°, G.-088°30', W.-090°, R.-107°, G.-164°, W.-169°. *
9340 C 6408	-Stora Moja, E. side.	59° 24.8' N 18° 54.0' E	Q.W.R.G.	19 6	W. 8 R. 5 G. 4	Red hut, white band, black base.	G. shore-233°, W.-028°, R.-shore. *
10072 C 6376	-Jarnberget.	59° 46.3' N 19° 00.5' E	Fl.W.R.G. period 3s	25 8	W. 6 R. 4 G. 3	White structure, red band.	G. 090°-101°, R.-180°, G.-219°, W.-233°, R.-260°, G.-283°30', R.-295°. Radar reflector. *

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SECTION II

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18534	Isomatala. <i>C 4107.3</i>						Remove from list.
*18539	Kriisinkivi. <i>C 4105.5</i>	65° 12.7' N 25° 04.0' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12		2 STARBOARD (A) G, beacon, topmark.	*
							6/03
*18540	Isomatala. <i>C 4107.3</i>	65° 11.7' N 25° 05.3' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	39 12		4 PORT (A) R, pile, topmark.	6/03
*18540.5	-East. <i>C 4107.4</i>	65° 11.8' N 25° 05.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	39 12		1 STARBOARD (A) G, beacon, topmark.	6/03
*18788.5	Pohjanletto. <i>C 4102.5</i>	65° 25.4' N 24° 51.5' E	V.Q.(3)W. period 5s	39 12		3 E. CARDINAL BYB, beacon, topmark.	6/03

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SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 6/03

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			SDPUB147	2001	35/01*;21,22,23, 24/02	COMDTM165025	2002	16/02*
Region 1	2002	1*;2,3,4/03	SDPUB148	2001	48/01*;23,24/02	COMDTM165026	2002	35*,36,40,41,42,43,
Region 2	2002	1/03*	SDPUB153	2000	6/01*;28,30,41,44, 46,47,48,52/02;1,3, 4/03			44,45,46,47,48,49, 50,51,52/02;1,2,4,5, 6/03
Region 3	2002	1/03*	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3/03	COMDTM165027	2002	16*,17,18,19,20,21, 22,23,25,27,29,30, 32,33,34,36,37,40, 43,45,46,47,48,50, 51,52/02;1,4,6/03
Region 4	2002	1/03*	SDPUB155	2001	31*,48/01;10,45, 46/02			
Region 5	2002	1*;3,5/03	SDPUB157	2000	20*,27,29,33,34,35, 38,41,44,48/00;1,3, 4,6,7,11,12,13,21, 23,32,47/01;2,5,9, 13,14,20,22,27, 38/02			
Region 6	2002	1/03*	SDPUB158	2000	50/00*;5,10,12,13, 15,17,20,24/01; 46/02	FLEET GUIDES		
Region 7	2002	1/03*	SDPUB159	2002	42*,48/02	FGPUB940ATL	2001	N47/01*
Region 8	2002	1/03*	SDPUB160	2002	47*,48,49,52/02; 6/03	FGPUB941PAC	2001	N22/01*
Region 9	2002	1/03*	SDPUB161	2002	23*,24,44,47,48/02; 5/03			
Miscellaneous Charts and Publications	2002	1*,2,4,5,6/03	SDPUB162	2001	51/01*;5/03	NOS MISCELLANEOUS PUBLICATIONS		
			SDPUB163	2002	18*,20,21,26,46, 51/02	NOSPBCATALOG1	2000	20/00*
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02;1, 2,3,4,5,6/03	SDPUB164	2000	30/00*;31,35,36/01	NOSPBCATALOG2	2000	34/00*
LLPUB112	2003	4*,5,6/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02	NOSPBCATALOG3	2000	28/00*
LLPUB113	2002	45*,47,48,50,51, 52/02;1,2,3,4,5,6/03	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1/03	NOSPBCATALOG4	2000	34/00*
LLPUB114	2002	13*,15,16,17,19,20, 21,22,23,24,31,32, 34,35,36,38,39,40, 41,43,45,46,47,48, 49,51/02;1,4,5,6/03	SDPUB173	2002	50*,51/02;3/03	ALMANACS		
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02;1/03	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02	AIRALMANAC301	2003	44/02*
LLPUB116	2002	18*,20,21,22,24,25, 26,27,29,31,34,37, 41,42,44,45,46,47, 48,49,50,52/02;1,2, 4,5,6/03	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02	NAUTALMANAC03	2003	44/02*
			SDPUB180	2002	32*,33,42,47,48, 50/02;6/03	COAST PILOT		
			SDPUB181	2002	38*,39/02	NOSPBCP1	32	37*,39,41,47,51/01; 1,5,7,13,18,33,37, 39,42,45,49,51/02; 3/03
			SDPUB182	2001	8*,10,12,41/02	NOSPBCP2	31	44*,47,51,52/01;5,7, 12,13,18,23,33,37, 39,42,45,48,51/02;3, 6/03
			SDPUB183	2001	27/01*;13,15,16/02	NOSPBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02;3/03
			SDPUB191	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02;2/03	NOSPBCP4	34	49*,51/01/02
			SDPUB192	2000	14*,16,17,18,24,26, 31,36,38,39,46/00;4, 14,17,21,22,23,25, 26,28,30,31,32/01; 11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02;4,5,6/03	NOSPBCP5	30	2*,6/03
					27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02	NOSPBCP6	32	19*,20,21,33,39,45, 47,49,51/02;3,6/03
			SDPUB193	2000	33*,40,49,51,52/02;	NOSPBCP7	34	1*,3/03
			SDPUB195	2002	1,2,3/03	NOSPBCP8	24	3*,5,16,17,19,23,33, 37,40,47,50,51/02
			SDPUB200	2002	38*,39,42/02	NOSPBCP9	20	12*,20,23,33,37,45, 50,51/02;3,6/03
						RADIO NAVIGATIONAL AIDS		
						RAPUB117	2002	50/02*
						AMERICAN PRACTICAL NAVIGATOR		
						NVPUB9	2002	36/02*
						INTERNATIONAL CODE OF SIGNALS		
						NVPUB102	1999	46/99*;52/01
						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;2/03
						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*

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 6/03**

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NIMA Reference No.	Ed.	Notice to Mariners No.		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
CHART NO. 1 WOBZC1	1997	18/98*		
CHART NO. 4 WOBZC4	1988	N20/89*		
ATLAS OF PILOT CHARTS				
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTICWPACIN3	2003	N4/03*		
NOSPBTTECSTNSA3	2003	N4/03*		
NOSPBTTEURAFR3	2003	N4/03*		
NOSPBTWCSTNSA3	2003	N4/03*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN3	2003	N4/03*		
NOSPBTCTPACAS3	2003	N4/03*		

SECTION III

NM 6/03

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 231200Z January 2003:

2001 series	346(GEN)	468(GEN)	15(11)	22(24,25)	26(11)
393(GEN)	351(11)	487(11)	18(11,26)	23(27,28)	27(11)
2002 series	365(14)	2003 series	20(GEN)	24(GEN)	
219(GEN)	367(GEN)	14(11)	21(GEN)	25(GEN)	

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

NAVAREA IV WARNINGS issued from 151300Z to 231200Z January 2003.

11/03 thru 13/03. CANCELED.

14/03(11). GULF OF MEXICO. FLORIDA. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 220800Z TO 291700Z JAN
WITHIN ONE MILE OF 29-55.9N 085-36.7W.
2. CANCEL THIS MSG 291800Z JAN.

(170850Z JAN 2003)

15/03(11). GULF OF MEXICO. TEXAS.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 18 FEB
BY M/V SEIS SURVEYOR TOWING 1200 METER
LONG CABLE IN AREA BETWEEN 28-47N 29-01N
AND 093-57W 094-24W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 19 FEB.

(170940Z JAN 2003)

16/03 and 17/03. CANCELED.

18/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 0500Z TO 0459Z COMMENCING DAILY 20 THRU 26 JAN IN AREA
BOUND BY 30-45.0N 080-32.0W, 30-45.0N 079-40.0W,
30-37.5N 079-40.0W, 30-34.0N 080-33.0W.
 - B. 0500Z TO 0459Z COMMENCING DAILY 20 THRU 26 JAN IN AREA
BETWEEN 29-20.0N 29-10.0N AND 079-50.0W 079-40.0W.
 - C. 1300Z TO 0459Z COMMENCING DAILY 21 AND 23 JAN IN AREA
BETWEEN 29-40.0N 29-50.0N AND 080-30.0W 080-40.0W.
 - D. 230001Z TO 230300Z JAN IN AREA BOUND BY
30-35.0N 081-21.0W, 30-35.0N 081-00.0W,
30-00.0N 081-02.0W, 30-00.0N 081-15.0W.
2. CANCEL THIS MSG 270559Z JAN.

(171819Z JAN 2003)

19/03. CANCELED.

20/03(11).

1. NAVAREA IV MESSAGES IN FORCE 181000Z JAN 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 487(11).
2003 SERIES: 7(11,26), 11(25), 12(11,27,28), 14(11),
15(11), 16(11), 17(11), 18(11,26), 19(24).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF
13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS
ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED
IN NM 13/02, 26/02 AND 39/02.
3. CANCEL NAVAREA IV 6/03.

(181010Z JAN 2003)

21/03(11). NORTH ATLANTIC. NEW YORK.

1. LORAN-C STATION SENECA, RATES 8970-X AND 9960-MASTER,
UNUSABLE 231300Z TO 231700Z JAN.
2. CANCEL THIS MSG 231800Z JAN.

(181715Z JAN 2003)

22/03(24,25). NORTH ATLANTIC.

1. LARGE BUOY ADRIFT IN 14-43.3N 050-58.2W AT 180619Z JAN.
2. CANCEL THIS MSG 27 JAN.

(200100Z JAN 2003)

SECTION III

23/03(27,28). CARIBBEAN SEA.

1. DERELECT 22 FOOT S/V LITTLE CAREIF, WHITE HULL,
ADRIFT VICINITY 18-27N 081-58W.
2. CANCEL THIS MSG 27 JAN.

(200755Z JAN 2003)

24/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 05 UNUSABLE 232115Z TO 240915Z JAN.
2. CANCEL THIS MSG 241015Z JAN.

(201240Z JAN 2003)

25/03(GEN). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 252009Z TO 252155Z JAN, ALTERNATE
262009Z TO 262155Z JAN IN AREAS BOUND BY:
 - A. 29-12N 078-32W, 28-49N 077-04W,
28-28N 077-11W, 28-50N 078-39W.
 - B. 27-13N 070-48W, 26-52N 069-33W,
25-56N 069-56W, 26-24N 071-13W.
 - C. 24-56N 063-04W, 24-18N 061-43W,
21-02N 063-43W, 21-42N 064-43W.
 - D. 08-11N 039-59W, 05-08N 037-51W,
04-36N 038-54W, 05-46N 040-04W,
07-16N 040-52W.
2. CANCEL THIS MSG 262255Z JAN.

(210910Z JAN 2003)

26/03(11). GULF OF MEXICO.

1. ODAS BUOY 43003 ADRIFT IN 24-17-24N 086-22-48W.
2. CANCEL NAVAREA IV 12/03.
3. CANCEL THIS MSG 28 JAN.

(211925Z JAN 2003)

27/03(11). GULF OF MEXICO. TEXAS.

1. SURVEY OPERATIONS 23 JAN THRU 24 FEB BY
M/V NORTHERN ACCESS TOWING 8500 METER LONG
CABLE IN AREA BOUND BY 27-20N 094-22W,
28-45N 094-22W, 29-15N 093-45W,
27-20N 093-45W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 25 FEB.

(221010Z JAN 2003)

SECTION III

HYDROLANTS

Messages in force 231200Z January 2003:

2000 series	946(53)	2794(57)	2882(54)	67(37)	139(53)
1569(36)	1065(53)	2799(54)	2883(54)	71(53,54)	142(GEN)
2937(38)	1485(24)	2804(53)	2003 series	76(54)	144(24)
3762(43)	1895(23)	2808(24)	16(54)	86(37)	145(37)
4265(44)	2027(GEN)	2824(24)	17(53)	92(52)	146(GEN)
2001 series	2156(GEN)	2831(37)	18(56)	111(52)	148(52)
611(44)	2171(57)	2845(55)	25(57)	114(24)	150(54)
1798(37)	2203(51)	2848(37)	33(35,43)	121(55)	151(24)
2066(37)	2354(53)	2857(24)	35(37)	122(52,53)	152(35)
2659(GEN)	2484(22)	2866(54)	37(53)	123(52)	153(GEN)
2700(37)	2554(35)	2867(52)	38(53)	124(23)	154(54)
2864(53)	2588(24)	2869(52)	41(37)	125(GEN)	155(24)
3161(44)	2673(GEN)	2870(56)	42(57)	129(54)	156(24)
2002 series	2682(51)	2872(53)	47(56)	130(54)	157(24)
245(GEN)	2711(54)	2875(GEN)	59(37)	132(51)	
246(GEN)	2739(53)	2877(GEN)	65(53)	133(36,51)	
383(53)	2789(51)	2881(24)	66(37)	135(36)	

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

HYDROLANT WARNINGS issued from 151300Z to 231200Z January 2003.

105/03 thru 110/03. CANCELED.

111/03(52). MOROCCO.

CHART 52047 (11TH ED).

1. MORRO NUEVO LIGHT 35-15.7N 003-55.7W UNLIT.
2. CANCEL HYDROLANT 34/03(37), AID RESTORED.

(161427Z JAN 2003)

112/03 and 113/03. CANCELED.

114/03(24). BRAZIL-SOUTHEAST COAST.

F/V FENIX GONCALENSE I, WHITE AND BLUE HULL, FIVE PERSONS
ON BOARD, UNREPORTED. LAST KNOWN POSTION 23-11.8S 041-34.5W
AT 061027Z JAN. VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
ANY COASTAL RADIO STATION.

(161953Z JAN 2003)

115/03 thru 120/03. CANCELED.

121/03(55). BOSPORUS.

1. SURVEY OPERATIONS 22 JAN THRU 20 FEB
ALONG TRACKLINE BETWEEN
41-01.1N 028-59.3E AND 41-01.4N 029-00.2E.
2. CANCEL THIS MSG 21 FEB.

(171225Z JAN 2003)

122/03(52,53). SARDEGNA-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1700Z DAILY 21 THRU 24,
27, 28 AND 30 JAN AND 250800Z TO 251200Z JAN
IN AREA BOUND BY 38-55-10N 008-42-30E,
38-50-00N 008-48-00E, 38-46-15N 008-48-00E,
38-43-30N 008-41-15E, 38-49-00N 008-26-00E,
38-56-12N 008-27-06E, 38-57-00N 008-37-06E.
2. CANCEL THIS MSG 301800Z JAN.

(171959Z JAN 2003)

123/03(52). TUNISIA-EAST COAST.

CHART 52160 (7TH ED).

PLATFORM ESTABLISHED IN 33-51.7N 012-03.5E.

(172233Z JAN 2003)

SECTION III

124/03(23). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 17 JAN IN:
 - A. A-43B, 14 MILES BY 35 MILES IN 54-24S 039-12W.
 - B. A-43C, 24 MILES BY 41 MILES IN 59-00S 040-24W.
 - C. A-43G, NINE MILES BY 51 MILES IN 54-24S 039-12W.
 - D. A-48L, TWO MILES BY 12 MILES IN 58-24S 039-42W.
 - E. A-46, FOUR MILES BY 11 MILES IN 55-54S 031-48W.
 - F. A-47, NINE MILES BY 14 MILES IN 59-18S 051-42W.
 - K. B-09A, 15 MILES BY 22 MILES IN 53-42S 033-18W.
2. CANCEL THIS MSG 25 JAN.

(180300Z JAN 2003)

125/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 181000Z JAN 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 2711(54), 2739(53), 2789(51), 2794(57), 2799(54), 2804(53), 2808(24), 2824(24), 2828(53), 2831(37), 2845(55), 2848(37), 2857(24), 2866(54), 2867(52), 2869(52), 2870(56), 2872(53), 2875(54), 2877(54), 2881(24), 2882(54), 2883(54).
2003 SERIES: 16(54), 17(53), 18(56), 24(54), 25(57), 26(35,36), 33(35,43), 35(37), 37(53), 38(53), 41(37), 42(57), 47(56), 59(37), 65(53), 66(37), 67(37), 71(53,54), 76(54), 80(54), 86(37), 87(37), 92(52), 98(54), 99(54), 106(53), 107(24,51), 108(24), 111(52), 112(52,53), 113(52,53), 114(24), 118(24), 119(24), 120(24), 121(55), 122(52,53), 123(52), 124(23).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL HYDROLANT 2681/02, 61/03.

(181140Z JAN 2003)

126/03 thru 128/03. CANCELED.

129/03(54). STRAIT OF OTRANTO, ALBANIA. ORDNANCE.

1. BOMBING EXERCISES 220600Z JAN TO 102200Z FEB
IN AREA BOUND BY 40-28.3N 019-17.5E,
40-26.8N 019-13.8E, 40-22.2N 019-07.8E,
40-16.5N 019-12.4E, 40-16.4N 019-20.1E,
40-22.1N 019-28.5E, 40-26.5N 019-28.3E,
40-28.2N 019-25.3E, 40-28.9N 019-22.4E.
2. CANCEL THIS MSG 102300Z FEB.

(181340Z JAN 2003)

130/03(54). EASTERN MEDITERRANEAN SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 231100Z TO 231300Z JAN WITHIN TEN MILES OF 34-25N 029-25E.
2. CANCEL THIS MSG 231400Z JAN.

(181350Z JAN 2003)

131/03. CANCELED.

132/03(51). NORTH ATLANTIC. SENEGAL.

DISTRESS SIGNAL RECEIVED FROM F/V, EIGHT PERSONS ON BOARD,
SINKING VICINITY 16-12N 018-04W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
POSSIBLE. REPORTS TO JRCC PIRAEUS, TELEX: 211588,
PHONE: 301 0411 2500, FAX: 301 0413 2398 OR
MRCC DAKAR, PHONE: 221 823 2104.

(181900Z JAN 2003)

133/03(36,51). NORTH ATLANTIC.

1. TWO CONTAINERS ADRIFT IN 41-36N 020-35W AT 182000Z JAN.
2. CANCEL THIS MSG 26 JAN.

(190033Z JAN 2003)

134/03. CANCELED.

135/03(36). IRELAND-EAST COAST.

CHART 36061 (5TH ED).
CODLING LANBY 53-03N 005-41W TEMPORARILY REPLACED
BY BUOY, FL 4 SEC.

(191330Z JAN 2003)

136/03 thru 138/03. CANCELED.

SECTION III

NM 6/03

139/03(53). SICILIA-SOUTH COAST.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER

NOTICE BY M/V ODIN FINDER:

A. IN AREA BOUND BY

37-04-13N 013-36-44E, 37-00-15N 013-50-09E,
36-57-34N 013-48-46E, 37-00-01N 013-39-32E,
36-58-02N 013-38-43E, 36-59-19N 013-33-31E.

B. IN AREA BOUND BY

37-00-54N 013-34-33E, 37-00-55N 013-36-44E,
36-59-09N 013-36-46E, 36-59-08N 013-34-35E.

C. WITHIN 600 METERS OF TRACKLINE JOINING

37-00-00N 013-45-00E, 37-00-00N 013-50-00E,
37-00-00N 014-00-00E, 36-57-10N 014-12-50E,

D. WITHIN 600 METERS OF TRACKLINE JOINING

37-05-00N 013-40-00E, 37-00-00N 013-55-00E,
36-57-10N 014-12-50E.

WIDE BERTH REQUESTED.

(200710Z JAN 2003)

140/03 and 141/03. CANCELED.

142/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 05 UNUSABLE 232115Z TO 240915Z JAN.
2. CANCEL THIS MSG 241015Z JAN.

(201245Z JAN 2003)

143/03. CANCELED.

144/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 23 JAN BY
M/V RAMFORM VIKING TOWING TEN 4600 METER
LONG CABLES IN AREA BOUND BY
00-48N 046-01W, 01-03N 046-14W,
01-22N 045-52W, 01-08N 045-39W.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 24 JAN.

(210620Z JAN 2003)

145/03(37). FRANCE-NORTHWEST COAST.

CHART 37050 (9TH ED).

NORTHEAST BUOY 48-46N 005-11W UNLIT.

(210840Z JAN 2003)

146/03(GEN). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 252009Z TO 252155Z JAN, ALTERNATE
262009Z TO 262155Z JAN IN AREAS BOUND BY:
 - A. 29-12N 078-32W, 28-49N 077-04W,
28-28N 077-11W, 28-50N 078-39W.
 - B. 27-13N 070-48W, 26-52N 069-33W,
25-56N 069-56W, 26-24N 071-13W.
 - C. 24-56N 063-04W, 24-18N 061-43W,
21-02N 063-43W, 21-42N 064-43W.
 - D. 08-11N 039-59W, 05-08N 037-51W,
04-36N 038-54W, 05-46N 040-04W,
07-16N 040-52W.
2. CANCEL THIS MSG 262255Z JAN.

(210920Z JAN 2003)

147/03. CANCELED.

148/03(52). ALGERIA.

CHART 52262 (6TH ED).

1. ILOT D'ARZEW LIGHT 35-52.6N 000-17.3W UNLIT.
2. CANCEL HYDROLANT 80/03(54).

(211958Z JAN 2003)

149/03. CANCELED.

150/03(54). STRAIT OF OTRANTO.

SEVEN METER VESSEL, WHITE HULL, THREE PERSONS ON BOARD,
UNREPORTED VICINITY NISOS OTHONOI ISLAND (39-51N 019-25E).
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.

(220750Z JAN 2003)

SECTION III

151/03(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 24 JAN BY M/V BULLDOG
TOWING 15 METER LONG CABLE IN AREA BOUND BY
11-11.1S 037-03.6W, 11-13.8S 036-59.6W,
11-13.1S 036-58.4W, 11-10.1S 037-02.8W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 25 JAN.

(221020Z JAN 2003)

152/03(35). NORTH ATLANTIC. HEBRIDES. MISSILES.

1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL 242359Z JAN
WITHIN 25 MILES OF 57-30N 008-20W.
2. CANCEL HYDROLANT 147/03(37), AID RESTORED.
3. CANCEL THIS MSG 250059Z JAN.

(221621Z JAN 2003)

153/03(GEN). MOROCCO.

THE AUTHORITIES OF MOROCCO ADVISE THAT SINGLE-HULL OIL TANKERS,
MORE THAN 15 YEARS OLD, CARRYING HEAVY FUEL, TAR, ASPHALTIC BITUMEN
OR HEAVY CRUDE OIL ENTERING INTO THE ECONOMIC EXCLUSIVE ZONE,
ARE SUBJECT TO PREVIOUS NOTIFICATION AND ARE STRICTLY CONTROLLED.

(221728Z JAN 2003)

154/03(54). IONIAN SEA.

1. PERSONS RECOVERED VICINITY 39-34N 018-37E.
PERSONS REMAIN 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.
2. CANCEL HYDROLANT 149/03(35), STATION RESTORED.
3. CANCEL HYDROLANT 137/03.

(230027Z JAN 2003)

155/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 260200Z JAN
BY M/V CGG ALIZE TOWING EIGHT 7400 METER
LONG CABLES IN AREA BOUND BY
24-51S 045-21W, 25-15S 045-21W,
25-45S 046-00W, 25-25S 046-20W.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 260300Z JAN.

(230710Z JAN 2003)

156/03(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 25 JAN
BY M/V RAMFORM EXPLORER TOWING EIGHT
6500 METER LONG CABLES IN AREA BETWEEN
14-09.0S 14-51.0S AND 038-41.8W 038-50.0W.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 26 JAN.

(230715Z JAN 2003)

157/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 260200Z JAN
BY M/V VERITAS VIKING I TOWING SIX 6000 METER
LONG CABLES IN AREA BETWEEN 23-50S 24-30S
AND 044-35W 043-30W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 260300Z JAN.

(230720Z JAN 2003)

SECTION III

NM 6/03

NAVAREA XII

Messages in force 231200Z January 2003:

2001 series	178(GEN)	339(GEN)	15(19)	18(18)
298(GEN)	260(GEN)	364(19)	16(GEN)	
2002 series	270(GEN)	2003 series	17(GEN)	

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

NAVAREA XII WARNINGS issued from 151300Z to 231200Z January 2003.

12/03 thru 14/03. CANCELED.

15/03(19). NORTH PACIFIC.

1. DERELICT 45 FOOT S/V ENCHANTMENT, WHITE HULL WITH
BLUE TRIM ADRIFT VICINITY 26-55.8N 140-35.0W.
2. CANCEL THIS MSG 25 JAN.

(180820Z JAN 2003)

16/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 181000Z JAN 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 364(19).
2003 SERIES: 12(16,17), 13(18), 15(19).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL NAVAREA XII 8/03.

(181020Z JAN 2003)

17/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 05 UNUSABLE 232115Z TO 240915Z JAN.
2. CANCEL THIS MSG 241015Z JAN.

(201250Z JAN 2003)

18/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:
A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
B. 33-52N 119-06W. TO THE SHORELINE.
C. 33-29N 119-07W. N. 34-24N 120-30W.
D. 33-29N 118-37W. O. 34-08N 120-26W.
E. 33-20N 118-37W. P. 34-08N 119-40W.
F. 32-11N 120-16W. Q. 34-00N 119-40W.
G. 31-54N 121-35W. R. 34-06N 119-13W.
H. 35-09N 123-39W. S. 34-06N 119-11W.
I. 35-29N 123-00W. T. 34-07N 119-10W.
J. 35-04N 122-43W. U. 34-07N 119-07W.
K. 35-57N 121-32W. V. 34-04N 119-04W.
L. 34-59N 120-42W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 13/03.

(231010Z JAN 2003)

SECTION III

HYDROPACS

Messages in force 231200Z January 2003:

2000 series	828(62)	2325(22)	2429(81)	19(97)	89(63)
597(73)	1078(72)	2330(62)	2430(81)	20(93)	90(62)
1557(94)	1147(92)	2339(63)	2432(22)	24(74)	91(61)
2001 series	1315(62)	2347(76)	2433(94,95)	29(81)	93(29)
1556(71)	1661(GEN)	2349(92)	2434(71)	37(81)	95(GEN)
1636(96)	1757(GEN)	2356(81)	2437(72)	38(81)	96(63)
1647(GEN)	1765(71)	2357(74)	2441(95)	41(62)	97(81)
1976(62)	1843(22)	2364(93)	2442(94,95)	55(22)	100(29)
2062(61)	1893(74)	2371(22)	2443(94,95)	57(93)	108(GEN)
2002 series	2040(63)	2372(97)	2452(95)	59(83)	109(29)
146(62)	2057(71,93)	2376(97)	2453(95)	70(71,93)	110(76)
196(61)	2111(62)	2379(22)	2462(81)	72(96)	111(97)
205(GEN)	2191(22)	2380(81,97)	2465(63)	73(62)	113(63)
206(GEN)	2199(63)	2381(75)	2003 series	74(63)	114(76)
207(93)	2277(GEN)	2383(75)	3(63)	79(81)	115(62)
352(73)	2298(63)	2402(22)	7(81)	81(96)	119(22)
403(72,73)	2317(81)	2406(94)	13(61)	82(22)	121(62)
637(75)	2319(93)	2421(75)	17(76)	84(61)	
753(62)	2321(81)	2427(GEN)	18(97)	86(81)	

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

HYDROPAC WARNINGS issued from 151300Z to 231200Z January 2003.

74/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 15 MAY BY M/V MEZEN
TOWING 6000 METER LONG CABLE IN AREA BOUND BY
20-38N 066-50E, 18-12N 065-46E, 11-07N 069-44E,
09-32N 074-02E, 20-44N 068-50E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 MAY.

(151432Z JAN 2003)

75/03 thru 78/03. CANCELED.

79/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 06-33.4N 155-06.1E
AT 160143Z JAN. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(160415Z JAN 2003)

80/03. CANCELED.

81/03(96). RUSSIA. SEA OF JAPAN.

CHART 96080 (6TH ED).
MYS BRINERA LIGHT 44-20.6N 135-50.4E UNLIT.

(161610Z JAN 2003)

82/03(22). SOUTH PACIFIC. PERU.

7.6 METER F/V ERICKA, WHITE AND BLUE HULL, FOUR PERSONS
ON BOARD, ADRIFT IN 17-20S 073-35W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(161615Z JAN 2003)

83/03. CANCELED.

84/03(61). MADAGASCAR-NORTH COAST.

CHART 61300 (2ND ED).
CAP D'AMBRE LIGHT 11-57S 049-17E UNLIT.

(170025Z JAN 2003)

85/03. CANCELED.

SECTION III

86/03(81). NORTH PACIFIC.
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN
 19-18-10N 140-48-07E AT 170149Z JAN.
 VESSELS IN VICINITY REQUESTED TO KEEP
 A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO JAPAN COAST GUARD.

(170320Z JAN 2003)

87/03 and 88/03. CANCELED.

89/03(63). INDIA-SOUTHWEST COAST. ROCKETS.
 1. HAZARDOUS OPERATIONS 1230Z TO 1500Z DAILY 22 AND 23 JAN
 WITHIN 35 MILES OF 08-31.9N 076-52.1E.
 2. CANCEL THIS MSG 231600Z JAN.

(171055Z JAN 2003)

90/03(62). GULF OF SUEZ.

1. SEISMIC SURVEY IN PROGRESS UNTIL 12 FEB BY
 M/V GEO PACIFIC TOWING 4000 METER LONG CABLE
 IN AREA BOUND BY 28-58.85N 033-08.15E,
 28-57.83N 033-06.73E, 28-55.22N 033-09.10E,
 28-50.65N 033-08.92E, 28-49.25N 033-06.95E,
 28-55.73N 033-01.05E, 28-56.85N 033-02.63E,
 28-59.73N 032-59.98E, 29-02.90N 033-04.45E,
 28-58.85N 033-08.15E. WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 13 FEB.

(171120Z JAN 2003)

91/03(61). INDIAN OCEAN. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS IN PROGRESS
 UNTIL 312359Z JAN IN AREA BETWEEN
 09-00S 13-00S AND 070-00E 073-00E.
 2. CANCEL HYDROPAC 2/03
 3. CANCEL THIS MSG 010059Z FEB.

(171150Z JAN 2003)

92/03. CANCELED.

93/03(29). ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 17 JAN IN:
 A. A-38A, 22 MILES BY 48 MILES IN 63-30S 052-30W.
 B. A-38B, 22 MILES BY 25 MILES IN 64-00S 054-12W.
 C. A-38C, SEVEN MILES BY 11 MILES IN 60-24S 051-00W.
 D. A-38D, TWO MILES BY TEN MILES IN 64-12S 054-18W.
 E. A-48, NINE MILES BY TEN MILES IN 64-30S 056-18W.
 F. A-49, ONE MILE BY TEN MILES IN 63-36S 053-06W.
 G. A-50, ONE MILE BY TEN MILES IN 63-30S 053-06W.
 2. CANCEL THIS MSG 25 JAN.

(180230Z JAN 2003)

94/03. CANCELED.

95/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 181000Z JAN 2003. ONLY THOSE
 MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
 2002 SERIES: 2317(81), 2319(93), 2321(81), 2325(22), 2330(62),
 2339(63), 2347(76), 2349(92), 2356(81), 2357(74), 2364(93),
 2371(22), 2372(97), 2376(97), 2379(22), 2380(81,97), 2381(75),
 2383(75), 2402(22), 2406(94), 2421(75), 2427(GEN), 2429(81),
 2430(81), 2432(22), 2433(94,95), 2434(71), 2437(72), 2441(95),
 2442(94,95), 2443(94,95), 2452(95), 2453(95), 2462(81), 2465(63).
 2003 SERIES: 3(63), 7(81), 13(61), 17(76), 18(97), 19(97),
 20(93), 24(74), 29(81), 37(81), 38(81), 41(62), 44(74), 48(63),
 49(63), 50(63), 55(22), 57(93), 59(83), 60(63), 61(63), 62(63),
 63(63), 65(22), 66(22), 67(63), 68(22), 69(61), 70(71,93),
 71(62), 72(96), 73(62), 74(63), 79(81), 81(96), 82(22), 84(61),
 86(81), 88(GEN), 89(63), 90(62), 91(61), 92(74), 93(29).
 2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 13 DEC 2001
 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE
 SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
 3. CANCEL HYDROPAC 2255/02, 2269/02, 2275/02, 2278/02, 2285/02,
 2291/02, 2294/02, 40/03.

(181150Z JAN 2003)

96/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0130Z TO 1030Z DAILY 23 AND 24 JAN
 WITHIN 70 MILES OF 15-50.5N 080-29.5E.
 2. CANCEL THIS MSG 241130Z JAN.

(181355Z JAN 2003)

SECTION III

NM 6/03

97/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 14-27.6N 138-19.2E
AT 181001Z JAN. VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(181540Z JAN 2003)

98/03 and 99/03. CANCELED.

100/03(29). ANTARCTICA. BRANSFIELD STRAIT.

CHART 29105 (5TH ED).
MONTRAVEL ROCK RACON 63-09S 058-02W CHANGED TO: (M) 8 MILES.

(181830Z JAN 2003)

101/03 thru 107/03. CANCELED.

108/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 05 UNUSABLE 232115Z TO 240915Z JAN.
2. CANCEL HYDROFAC 68/03(22).
3. CANCEL THIS MSG 241015Z JAN.

(201255Z JAN 2003)

109/03(29). ANTARCTICA. MARGUERITE BAY.

CHART 29142 (3RD ED).
DANGEROUS SUBMERGED ROCKS, LEAST DEPTH 6.4 METERS,
IN 67-56-02.0S 067-33-42.7W.

(201504Z JAN 2003)

110/03(76). NEW ZEALAND. SOUTH ISLAND-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 FEB BY M/V SONNE
TOWING 1500 METER LONG CABLE ALONG TRACKLINE JOINING
46-40S 169-35E, 49-00S 173-00E, 52-00S 175-00E.
WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 21 FEB.

(210150Z JAN 2003)

111/03(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM M/V GRANDWAY VESTA
IN 29-56-27N 156-36-43E AT 210115Z JAN. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(210240Z JAN 2003)

112/03. CANCELED.

113/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 24 AND 28 JAN
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL HYDROFAC 112/03(76), FALSE ALERT.
3. CANCEL THIS MSG 281630Z JAN.

(211120Z JAN 2003)

114/03(76). NEW ZEALAND. NORTH ISLAND-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 16 FEB BY M/V POLAR DUKE
TOWING 6000 METER LONG CABLE IN AREA BETWEEN
38-50S 39-31S AND 172-33E 173-33E.
WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 17 FEB.

(220010Z JAN 2003)

115/03(62). PERSIAN GULF. KUWAIT.

CHART 62570 (4TH ED).
TABS BUOY, FL Y, RA REF, ESTABLISHED IN 29-07.2N 048-44.2E.

(220200Z JAN 2003)

116/03 thru 118/03. CANCELED.

119/03(22). PERU.

CHART 22130 (2ND ED).
MORRO CARRETAS LIGHT 08-13.4S 078-58.6W UNLIT.

(220850Z JAN 2003)

120/03. CANCELED.

SECTION III

- 121/03(62). GULF OF OMAN. ORDNANCE.
1. UNDERWATER ORDNANCE DETONATIONS 250001Z TO 292359Z JAN
WITHIN FIVE MILES OF:
 - A. 25-06N 058-00E.
 - B. 25-15N 058-15E.
 2. CANCEL HYDROFAC 117/03(22) AND 118/03(22).
 3. CANCEL THIS MSG 300059Z JAN.

(230810Z JAN 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 January 2003: 00-7, 01-1, 01-5, 01-7, 02-2, 02-5 and 02-7.

SPECIAL WARNINGS

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

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

SPECIAL WARNINGS in force 23 January 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119 and 120.

MARINE INFORMATION**NEW EDITION OF SAILING DIRECTIONS**

Pub. 194, Sailing Directions (Enroute) Baltic Sea (Southern Part), Ninth Edition, 2002, is ready for issue. This publication has been corrected to 9 November 2002, including Notice to Mariners No. 45 of 2002.

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

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

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

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

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

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

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

Ship/Organization: name of vessel or organization.

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

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

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

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

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

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

Include details about the equipment used, if deemed pertinent.

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

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

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

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

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

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

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

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

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

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

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

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

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address

Date of Observation _____ Time of Observation (Local)_____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

Latest correction applied: N.M. _____

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

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

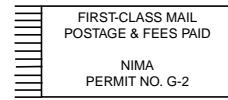
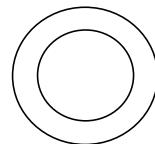
Details of Information Reported (continue on additional sheets as necessary) _____

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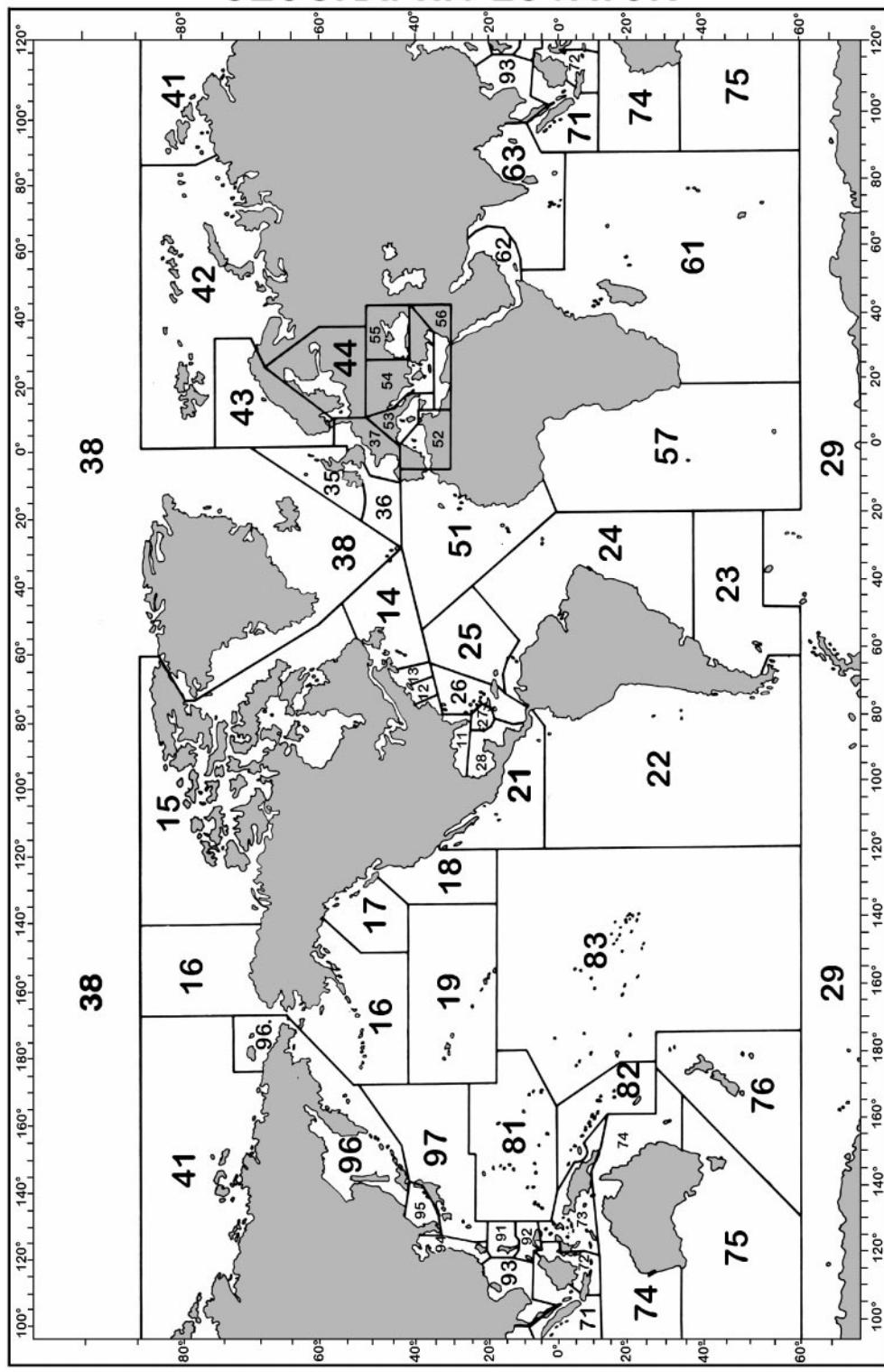
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**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



GEOGRAPHIC LOCATOR



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

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

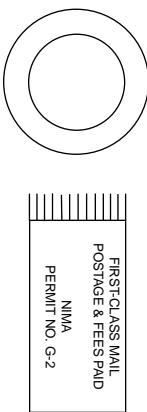
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**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY