



No. 47

22 NOVEMBER 2003



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Imagery and Mapping Agency

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

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



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IMPORTANT INFORMATION

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

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

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

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

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

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

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

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 47/03

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

22 November 2003

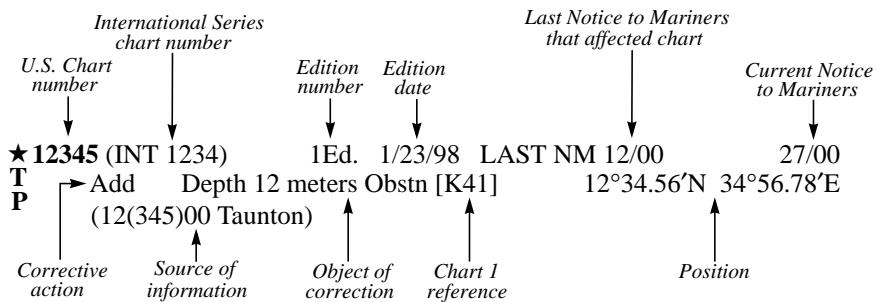
UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE

THE UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS), OPERATED BY THE USCG NAVIGATION CENTER, PROVIDES INFORMATION FOR ALL RADIONAVIGATION SYSTEMS. SEE SECTION III

EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

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

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

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

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

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

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

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

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

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

**SECTION I
CHART CORRECTIONS**

NM 47/03

★11006	31Ed. 9/03	NEW EDITION (NOS)	47/03	11375	35Ed. 8/02	LAST NM 29/03 Change Range light, front to Q 27ft, Fl 4s 29ft 5M (NTM0002/2003)	47/03
★11322	28Ed. 3/03	LAST NM 42/03 (Side B)	47/03	11537	34Ed. 4/03	LAST NM 45/03 Substitute Buoy "61" G, Fl G 4s for light "61" (See 45/03-11537) (32/03 CG5)	47/03
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			★12273	54Ed. 9/03	NEW EDITION (NOS)	47/03
★11323	60Ed. 9/03	NEW EDITION	47/03	★12335	40Ed. 9/03	NEW EDITION	47/03
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			★13267	31Ed. 10/03	NEW EDITION (NOS)	47/03
★11324	33Ed. 9/03	NEW EDITION	47/03	14024	5Ed. 4/1/95	LAST NM 36/03 Add Wreck [K29] (2(4016)01 Ottawa)	47/03
Add	Tabulation of controlling depths from Subsection I-2 (NOS; 5/03 CG8)			14044	44Ed. 12/24/94	LAST NM 6/03 Add Light FR (Priv) (3(4117)01 Ottawa)	47/03
★11325	35Ed. 5/03	LAST NM 42/03	47/03	14046	2Ed. 12/24/94	LAST NM 16/95 Relocate Light from 45°12'04"N 64°22'44"W to (4(4140)01 Ottawa)	47/03
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			14066	19Ed. 12/24/94	LAST NM 42/03 Delete Light Add Depth 14 meters (2(4230), 3(4230)01 Ottawa)	47/03
★11332	28Ed. 8/02	LAST NM 37/03	47/03	14081	21Ed. 12/24/94	LAST NM 36/03 Delete Light Add Depth 4.5 meters Wk [K26] (10(4240)00, 2(4012)01 Ottawa)	47/03
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			14105	19Ed. 10/24/87	LAST NM 41/01 Delete Legend "Aband" (3(4321)01 Ottawa)	47/03
11341	39Ed. 2/03	LAST NM 38/03	47/03	14115	2Ed. 12/31/94	LAST NM 41/01 Delete Legend "Aband" Legend "Aband" (3(4227)01 Ottawa)	47/03
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			14141	17Ed. 12/24/94	LAST NM 14/00 Substitute Double dashed line for double solid line between 46°01'02"N 61°33'14"W 46°01'11"N 61°32'42"W and add legend "Ru" (5(4462)02 Ottawa)	47/03
★11342	52Ed. 5/03	LAST NM 46/03	47/03	14145	2Ed. 2/11/95	LAST NM 12/97 Substitute Double dashed line for double solid line between 46°01'02.0"N 61°33'14.0"W 46°01'11.0"N 61°32'42.0"W and add legend "Bkw Ru" (5(4462)02 Ottawa)	47/03
Add	Tabulation of controlling depths from Subsection I-2 (NOS)			14184	Ed. 2/19/99	LAST NM N44/03 Delete Marine farm symbol Marine farm symbol Marine farm symbol	N47/03
★11343	36Ed. 9/15/01	LAST NM 35/03	47/03			48°03'39.0"N 66°15'00.0"W 48°05'18.0"N 66°13'52.0"W 48°05'35.0"N 66°10'35.0"W	
Add	Tabulation of controlling depths from Subsection I-2 (NOS)						
★11344	35Ed. 12/02	LAST NM 46/03	47/03				
Add	Tabulation of controlling depths from Subsection I-2 (NOS)						
★11347	33Ed. 7/02	LAST NM 43/03 (Side A)	47/03				
Change	Legend to "31 FT AUG 2003" (See 31/03-11347)	30°06'09"N 93°18'45"W					
Add	Tabulation of controlling depths from Subsection I-2 (NOS)						
Change	(Side B) Legend to "31 FT AUG 2003" Legend to "40 FT AUG 2003"	30°06'21"N 93°18'25"W 30°06'26"N 93°17'13"W					
Add	Tabulation of controlling depths from Subsection I-2 (NOS)						
★11348	20Ed. 8/03	LAST NM 43/03 (Side A)	47/03				
Change	Legend to "31 FT AUG 2003" Legend to "40 FT AUG 2003" (NOS)	30°06'30"N 93°18'04"W 30°06'22"N 93°17'15"W					
★11363	39Ed. 9/03	NEW EDITION	47/03				
Add	Stranded wreck [K24] (PA) Tabulation of controlling depths from Subsection I-2 (NOS; 34/03 CG8)	29°52'18"N 88°59'42"W					

(continued on next page)

14184	(Continued)				
	Marine farm symbol	48°03'49.0"N 66°10'36.0"W			
	Marine farm symbol	48°08'20.0"N 65°59'54.0"W			
	Marine farm symbol	48°08'41.0"N 65°57'36.0"W			
	Marine farm symbol	48°07'17.0"N 65°57'30.0"W			
	Marine farm symbol	48°05'21.0"N 66°07'48.0"W			
	Legend "Chenal balise Priv/Channel Buoyed Priv"	48°10'35.0"N 65°54'42.0"W			
Add	Danger circle [K40] "Obstn (Marine farm)" 48°04'58.3"N 66°12'27.0"W				
	Danger circle [K40] "Obstn (Marine farm)" 48°04'50.5"N 66°11'31.4"W				
	Danger circle [K40] "Obstn (Marine farm)" 48°06'01.5"N 66°01'29.6"W				
	(3(4486)01 Ottawa)				
14328	6Ed. 1/7/95 LAST NM 39/01	47/03			
Relocate	Buoy "QT2" from 47°36'00"N 58°39'26"W to 47°36'10"N 58°39'25"W				
Add	Buoy "QBR" YBY, pillar, double cone topmark points together, Q(9) 15s 47°37'14"N 59°20'12"W				
	Buoy "QHR" YBY, pillar, double cone topmark points together, VQ(9) 10s 47°34'54"N 59°15'30"W				
	(5(4635)01 Ottawa)				
14329	5Ed. 1/14/95 LAST NM 32/03	47/03			
Add	Buoy "QUF" YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s 47°39.00"N 58°07.15"W				
	(3(4634)01 Ottawa)				
14341	5Ed. 6/3/95 LAST NM 34/03	47/03			
Add	Buoy "QGR" BY, pillar, double cone topmark points upward, Q 47°28.40"N 57°06.55"W				
	(3(4633)01 Ottawa)				
14349	7Ed. 2/10/96 LAST NM 42/03	47/03			
Delete	Buoy "PCS4" Buoy "MCS2"	46°49'22"N 54°13'03"W 46°48'12"N 54°11'49"W			
	(2(4622)01 Ottawa)				
14358	Ed. 10/2/87 LAST NM N34/03	N47/03			
Delete	Buoy "VBL" Buoy "VSJ"	47°29.22'N 55°22.72'W 47°27.60'N 55°26.00'W			
Add	Light Fl G 4s to buoy "VFC1" Light Fl R 4s to buoy "VFC2"	47°13.60'N 55°25.10'W 47°13.70'N 55°24.00'W			
	Buoy "VS2" R, pillar, Fl R 4s BELL	47°26.96'N 55°40.05'W			
	Buoy "VW3" G, pillar, Fl G 4s	47°30.00'N 55°36.72'W			
	Light Fl G 4s 3m	47°14.13'N 55°21.46'W			
	Light Fl G 4s 3m	47°04.36'N 55°49.82'W			
Add	(Plan Fortune Harbour) Light Fl G 4s 3m (See N45/92-14358)	47°04.36'N 55°49.82'W			
	(5(4832)01 Ottawa)				
14360	36Ed. 3/25/95 LAST NM 36/02	47/03			
Add	Wreck [K29]	47°13.0'N 52°43.7'W			
	(2(4016)01 Ottawa)				
14404	4Ed. 3/25/95 LAST NM 7/96	47/03			
Delete	Anchorage symbol	50°53.90'N 55°54.35'W			
	(4(4583)01 Ottawa)				
★14782	24Ed. 9/16/00 LAST NM 22/02	47/03			
Change	Visibility (range) of light to 5 St M	44°41'36"N 73°26'23"W			
	(36/03 CG1)				
★14784	19Ed. 8/15/92 LAST NM 48/92	47/03			
Change	Visibility (range) of light "14" to 3 St M	43°41'04"N 73°24'15"W			
	(36/03 CG1)				
★14830	30Ed. 6/03 LAST NM 34/03	47/03			
Delete	Submarine cable between	41°47'32"N 83°26'36"W 41°45'42"N 83°19'42"W			
	(13/03 CG9)				
14846	11Ed. 3/17/01 LAST NM 43/03	47/03			
(Page 10)	Delete	Submarine cable between	41°47'33.2"N 83°26'27.0"W 41°46'40.8"N 83°23'09.0"W		
	(Page 11)	Delete	Submarine cable between	41°47'35.3"N 83°26'34.3"W 41°47'28.8"N 83°26'08.2"W	
	(13/03 CG9)				
14847	30Ed. 10/30/99 LAST NM 43/03	47/03			
Delete	Submarine cable between	41°46'25"N 83°22'17"W 41°45'42"N 83°19'46"W			
	(13/03 CG9)				
14926	10Ed. 4/03 LAST NM 32/03	47/03			
(Page 10)	Relocate	Buoy "2" from 41°48'29.0"N 87°34'40.8"W to 41°48'38.6"N 87°34'27.9"W			
	and change characteristic to Fl R 2.5s				
(Page 29)	Relocate	Buoy "2" from 41°48'30"N 87°34'41"W to 41°48'39"N 87°34'28"W			
	and change characteristic to Fl R 2.5s				
	(13/03 CG9)				
14927	24Ed. 2/2/02 LAST NM 37/02	47/03			
Relocate	Buoy "2" from 41°48'30"N 87°34'41"W to 41°48'39"N 87°34'28"W				
	and change characteristic to Fl R 2.5s				
	(13/03 CG9)				
★14961	11Ed. 8/28/99 LAST NM 39/01	47/03			
Relocate	Superbuoy ODAS "45001" from 48°03.8'N 87°46.9'W to	48°04.3'N 87°46.6'W			
	Superbuoy ODAS "45004" from 47°33.9'N 86°33.0'W to	47°34.3'N 86°33.0'W			
	(13/03 CG9)				
15043	3Ed. 8/24/96 LAST NM 34/03	47/03			
Change	Height of light to 39m (See 20/00-15043)	52°33'52.0"N 55°42'02.2"W			
(Plan D)	Change	Height of light to 39m	52°33'52.0"N 55°42'02.2"W		
	(4(4701)01 Ottawa)				
15044	3Ed. 12/14/96 LAST NM 34/03	47/03			
Add	Stranded wreck [K24] Light Fl 6s 55m 6M	53°12'47"N 55°45'16"W 52°50'13"N 55°48'30"W			
	(3(4702), 4(4702)01 Ottawa)				
15046	4Ed. 10/26/96 LAST NM 22/99	47/03			
Add	Buoy "NBT5" G, pillar, Fl G 4s	53°27.11'N 55°45.89'W			
	(5(4703)01 Ottawa)				
15066	5Ed. 7/12/97 LAST NM 32/03	47/03			
Add	Depth 7.9 meters Depth 7.6 meters	53°21'01.5"N 60°21'14.8"W 53°21'01.2"N 60°21'19.8"W			
	(5(4722)01 Ottawa)				
15067	2Ed. 11/3/84 LAST NM 22/99	47/03			
Change	Light to Iso G 26ft Light to Iso G 62ft	53°28.20'N 59°54.90'W 53°28.80'N 59°53.90'W			
	(4(4728)01 Ottawa)				
15069	4Ed. 2/5/83 LAST NM 52/00	47/03			
Change	Characteristic of light to Fl R	54°11.65'N 58°24.60'W			
Add	Light Fl G to buoy "HRI"	54°10.86'N 58°25.55'W			
	(2(4724)01 Ottawa)				

SECTION I

NM 47/03

15080	1Ed. 1/22/94 LAST NM 52/00 Delete Dangerous rock symbol and legend "PA Reped 1927 Breakers/Brisants" (5023)02 Ottawa	47/03 55°58.5'N 59°58.4'W	Dashed-line circle with legend "Subm buoy (cov 120 feet)" (Inset Anchorage) Add Dashed-line circle with legend "Subm buoy (cov 26 feet)" Dashed-line circle with legend "Subm buoy (cov 26 feet)" (35/03 CG17) 61°15'51"N 149°53'50"W 61°13'55.2"N 149°58'34.2"W 61°15'08.4"N 149°55'14.4"W
15946	Ed. 7/19/91 LAST NM N18/98 Relocate Light from 68°55'00"N 136°37'30"W to (26441)01 Ottawa	N47/03 68°54'57"N 136°36'55"W	
★16423	2Ed. 5/12/01 LAST NM 29/01 Add Chartlet A, depicting changes to compass rose, from Subsection I-2 52°38'24"N 173°25'21"E Chartlet B, depicting changes to compass rose, from Subsection I-2 52°33'57"N 174°13'03"E Chartlet C, depicting changes to compass rose, from Subsection I-2 52°21'16"N 173°13'12"E Chartlet D, depicting changes to compass rose, from Subsection I-2 52°18'56"N 174°07'02"E (NOS)	47/03	
★16576	4Ed. 9/03 NEW EDITION (NOS)	47/03	
16660	28Ed. 9/8/01 LAST NM 16/03 Add Dashed-line circle with legend "Subm buoy (cov 9 fathoms 2 feet)" 61°09.6'N 150°33.9'W Dashed-line circle with legend "Subm buoy (cov 8 fathoms 3 feet)" 61°06.8'N 150°33.7'W Dashed-line circle with legend "Subm buoy (cov 10 fathoms)" 61°03.4'N 150°33.5'W Dashed-line circle with legend "Subm buoy (cov 4 fathoms 2 feet)" 61°13.9'N 149°58.6'W Dashed-line circle with legend "Subm buoy (cov 6 fathoms 4 feet)" 61°16.7'N 149°53.7'W Dashed-line circle with legend "Subm buoy (cov 7 fathoms 5 feet)" 61°16.5'N 149°52.9'W Dashed-line circle with legend "Subm buoy (cov 4 fathoms 2 feet)" 61°15.1'N 149°55.2'W Dashed-line circle with legend "Subm buoy (cov 20 fathoms)" 61°15.9'N 149°53.8'W (35/03 CG17)	47/03	
16663	6Ed. 5/12/01 LAST NM 16/03 Add Dashed-line circle with legend "Subm buoy (cov 9 fathoms 2 feet)" 61°09'39"N 150°33'54"W Dashed-line circle with legend "Subm buoy (cov 8 fathoms 3 feet)" 61°06'49"N 150°33'41"W Dashed-line circle with legend "Subm buoy (cov 10 fathoms)" 61°03'22"N 150°33'29"W Dashed-line circle with legend "Subm buoy (cov 4 fathoms 2 feet)" 61°13'55"N 149°58'34"W Dashed-line circle with legend "Subm buoy (cov 6 fathoms 4 feet)" 61°16'41"N 149°53'40"W Dashed-line circle with legend "Subm buoy (cov 7 fathoms 5 feet)" 61°16'29"N 149°52'56"W Dashed-line circle with legend "Subm buoy (cov 4 fathoms 2 feet)" 61°15'08"N 149°55'14"W Dashed-line circle with legend "Subm buoy (cov 20 fathoms)" 61°15'51"N 149°53'50"W (35/03 CG17)	47/03	
★16665	7Ed. 3/31/01 LAST NM 16/03 Add Dashed-line circle with legend "Subm buoy (cov 56 feet)" 61°09'39"N 150°33'54"W Dashed-line circle with legend "Subm buoy (cov 51 feet)" 61°06'49"N 150°33'41"W Dashed-line circle with legend "Subm buoy (cov 60 feet)" 61°03'22"N 150°33'29"W Dashed-line circle with legend "Subm buoy (cov 26 feet)" 61°13'55"N 149°58'34"W Dashed-line circle with legend "Subm buoy (cov 40 feet)" 61°16'41"N 149°53'40"W Dashed-line circle with legend "Subm buoy (cov 47 feet)" 61°16'29"N 149°52'56"W Dashed-line circle with legend "Subm buoy (cov 26 feet)" 61°15'08"N 149°55'14"W	47/03	
★17471	Ed. 7/9/76 REPLACE ON ISSUE (NIMA)		N47/03
17518	7Ed. 1/7/95 LAST NM 41/03 Change Visibility (range) of light "4" to 4M (See 18/03-17518) (40/03 CG13)		47/03 48°59'32"N 122°47'00"W
18010	20Ed. 2/10/01 LAST NM 40/03 Change Light to "5" Fl G 4s 23ft 3M (40/03 CG13)		47/03 42°02.6'N 124°16.4'W
★18020	37Ed. 9/03 NEW EDITION Relocate Superbuoy ODAS "46012" from 37°27.0'N 122°41.7'W to (Previously published 40/03) Change Visibility (range) of light "3" to 6M (Previously published 43/03) Add Wreck [K29] Wreck [K29] (NOS)		47/03 37°21.6'N 122°52.9'W 33°35.3'N 117°52.8'W 31°16.2'N 119°31.4'W 31°27.0'N 119°42.6'W (Previously published 44/03)
18400	44Ed. 8/03 LAST NM 43/03 Change Visibility (range) of light "4" to 4M (40/03 CG13)		47/03 48°59.5'N 122°47.1'W
18415	8Ed. 7/8/95 LAST NM 39/03 Delete Light		47/03 48°38'36"N 123°23'49"W
	Add Light Fl Y Light Fl Y Depth 7.8 meters (73476)03 Ottawa		48°38'32"N 123°23'49"W 48°38'33"N 123°23'47"W 48°42'23"N 123°26'01"W
18420	1Ed. 3/1/86 LAST NM 22/03 Delete Light		47/03 48°38'35.9'N 123°23'43.2'W
	Leading line and legend "314 1/2°" between 48°38'35.9'N 123°23'43.2'W 48°38'21.4'N 123°23'21.9'W (See 51/95-18420)		48°38'33.4'N 123°23'40.8'W 48°38'34.4'N 123°23'39.4'W 48°42'24.4'N 123°25'52.6'W
★18421	45Ed. 12/02 LAST NM 45/03 Delete Obscured sector from light "4" and change visibility (range) to 4M (See 18/03-18421) (Inset) Delete Obscured sector from light "4" and change visibility (range) to 4M (40/03 CG13)		47/03 48°59'32"N 122°47'03"W
18423	33Ed. 10/02 LAST NM 45/03 (Page B, Inset Blaine) Delete Obscured sector from light "4" and change visibility (range) to 4M (See 18/03-18423) (40/03 CG13)		47/03 48°59'32"N 122°47'03"W

18440	26Ed. 12/02 LAST NM 45/03 Change Light to "2" Fl R 2.5s 28ft 5M (40/03 CG13)	47/03 47°41.3'N 122°24.3'W 47°40.6'N 122°24.7'W	19357	22Ed. 8/02 LAST NM 36/03 Add Light "F" Fl Y 4s 27ft (Priv) (37/03 CG14)	47/03 21°27'54"N 157°45'03"W
18441	43Ed. 7/03 LAST NM 45/03 Change Light to "2" Fl R 2.5s 28ft 5M Height of light "3" to 29ft (See 45/03-18441) (40/03 CG13)	47/03 47°41'16"N 122°24'20"W 47°40'38"N 122°24'46"W	★19359	10Ed. 8/15/98 LAST NM 16/03 Add Light "F" Fl Y 4s 27ft (Priv) (37/03 CG14)	47/03 21°27'54.7"N 157°45'03.3"W
18445	29Ed. 2/24/01 LAST NM 45/03 (Page A) Change Light to "2" Fl R 2.5s 28ft 5M Height of light "3" to 29ft (See 45/03-18445) (40/03 CG13)	47/03 47°41'18"N 122°24'21"W 47°40'40"N 122°24'43"W	22008	35Ed. 9/6/97 LAST NM 38/03 Add Wreck [K29] (NTM0004/2003)	47/03 9°24.0'S 78°54.0'W
★18446	16Ed. 8/03 NEW EDITION Change Visibility (range) of light "3" to 5M (Previously published 45/03)	47/03 47°40'39"N 122°24'44"W	22052	6Ed. 1/14/95 LAST NM 43/03 Change Period of buoy "9" to 5s Period of buoy "10" to 5s (137, 138/03 Bogota)	47/03 3°47'42"N 77°15'07"W 3°47'35"N 77°15'07"W
	Change Light to "2" Fl R 2.5s 28ft 5M Height of light "3" to 29ft (NOS; 40/03 CG13)	47°41'16"N 122°24'17"W 47°40'39"N 122°24'43"W	22121	9Ed. 3/2/96 LAST NM 32/03 Delete Danger circle "Obstn" Buoy Dangerous submerged rock (ED) Platform (Plan) Delete Danger circle "Obstn" (955, 56)03 Callao)	47/03 4°34'58"S 81°18'53"W 4°38'53"S 81°19'28"W 4°39'12"S 81°20'09"W 4°43'55"S 81°19'22"W 4°34'57"S 81°18'52"W
18447	26Ed. 1/25/97 LAST NM 18/03 (Side A) Change Light to "2" Fl R 2.5s 28ft 5M Light to "3" Fl G 2.5s 29ft 5M (40/03 CG13)	47/03 47°41'16.0"N 122°24'17.7"W 47°40'37.7"N 122°24'43.5"W	22140	2Ed. 4/20/96 LAST NM 25/03 Add Wreck [K29] (NTM0004/2003)	47/03 9°24.0'S 78°54.0'W
18473	7Ed. 12/02 LAST NM 45/03 Change Light to "2" Fl R 2.5s 28ft 5M Height of light "3" to 29ft (See 45/03-18473) (40/03 CG13)	47/03 47°41'16"N 122°24'18"W 47°40'38"N 122°24'43"W	22142	2Ed. 2/3/96 LAST NM 40/03 (Plan) Add Dangerous wreck [K28] (NTM0004/2003)	47/03 9°05'08.0"S 78°35'00.0"W
★18502	84Ed. 6/02 LAST NM 42/03 Change Height of range light, rear to 45ft (37/03 CG13)	47/03 46°58'12"N 123°55'57"W	23142	10Ed. 8/22/98 LAST NM 37/03 (Plan) Add Chartlet, depicting changes in hydrography and topography, from Subsection I-2 (19(191)02 Buenos Aires)	47/03
★18524	33Ed. 2/23/02 LAST NM 29/03 (Left Panel) Change Height of range light, front to 20ft (39/03 CG13)	47/03 46°11'17"N 123°07'27"W	24150	27Ed. 4/25/98 LAST NM 41/03 Add Submarine cable [L30.1] joining	47/03 22°59.2'S 43°10.5'W 23°00.5'S 43°11.6'W 23°02.7'S 43°14.7'W 23°04.1'S 43°21.1'W 23°04.1'S 43°23.0'W 23°03.4'S 43°23.8'W 23°02.2'S 43°26.3'W Submarine cable [L30.1] joining
18600	14Ed. 1/26/02 LAST NM 44/03 Change Visibility (range) of light "5" to 3M (40/03 CG13)	47/03 42°02.6'N 124°16.4'W			23°05.4'S 43°28.0'W 23°08.0'S 43°29.2'W 23°09.2'S 43°30.5'W 23°10.7'S 43°33.8'W 23°15.4'S 43°48.2'W 23°21.9'S 44°08.0'W 23°26.3'S 44°22.6'W 23°26.4'S 44°32.5'W 23°25.5'S 44°35.4'W 23°23.8'S 44°39.2'W 23°21.0'S 44°42.9'W
★18602	12Ed. 4/03 LAST NM 26/03 Change Light to "5" Fl G 4s 23ft 3M (See 26/03-18602)	47/03 42°02'36"N 124°16'22"W			
	(Inset Chetco Cove) Change Visibility (range) of light "5" to 3M (40/03 CG13)	42°02'35.6"N 124°16'21.0"W			(17(109, 110)03 Rio de Janeiro)
★18650	52Ed. 9/03 NEW EDITION Relocate Light "2" from 37°48'44.5"N 122°25'11.9"W to 37°48'43.4"N 122°25'11.2"W (Previously published 46/03) (NOS)	47/03 42°02'35.6"N 124°16'21.0"W	24152	2Ed. 5/11/85 LAST NM 41/03 Add Submarine cable [L30.1] joining	47/03 23°25'30"S 44°20'00"W 23°26'18"S 44°22'36"W 23°26'26"S 44°32'29"W 23°25'31"S 44°35'21"W 23°23'49"S 44°39'12"W 23°21'00"S 44°42'55"W 23°20'57"S 44°43'19"W
19339	1Ed. 7/19/97 LAST NM N30/03 Add Light "F" Fl Y 4s 27ft (Priv) (37/03 CG14)	N47/03 21°27.9'N 157°45.1'W			(17(110)03 Rio de Janeiro)
19340	26Ed. 12/2/00 LAST NM 36/03 Add Light "F" Fl Y 4s 27ft (Priv) (37/03 CG14)	47/03 21°27.9'N 157°45.1'W	24153	6Ed. 8/15/92 LAST NM 39/03 Add Submarine cable [L30.1] joining	47/03 23°25'00"S 44°36'24"W 23°23'49"S 44°39'12"W 23°21'00"S 44°42'55"W 23°20'57"S 44°43'19"W
					(17(110)03 Rio de Janeiro)

SECTION I						NM 47/03
24160	21Ed. 6/17/95 LAST NM 28/02 Add Submarine cable [L30.1] joining (17/109)03 Rio de Janeiro	47/03 22°59.2'S 43°10.5'W 23°00.5'S 43°11.6'W 23°02.7'S 43°14.7'W 23°04.1'S 43°21.1'W 23°04.1'S 43°23.0'W 23°03.4'S 43°23.8'W 23°02.9'S 43°25.0'W	37400	(INT 1803) 10Ed. 3/12/88 LAST NM 46/03 Add Buoy BY, pillar, double cone topmark points upward, VQ (Fr CH 7404)	47/03 46°00.6'N 1°17.4'W	
24161	11Ed. 6/8/96 LAST NM 40/03 Add Submarine cable [L30.1] joining Submarine cable [L30.1] joining (17/107, 109)03 Rio de Janeiro	47/03 22°54'20"S 43°07'19"W 22°54'44"S 43°07'29"W 22°55'11"S 43°09'01"W 22°55'53"S 43°10'16"W 22°58'58"S 43°11'22"W 22°59'05"S 43°10'53"W 22°59'15"S 43°10'31"W 22°59'22"S 43°10'28"W 22°59'30"S 43°10'30"W 23°00'33"S 43°11'39"W 23°01'43"S 43°13'17"W 23°02'44"S 43°14'43"W 23°02'52"S 43°14'58"W 23°03'05"S 43°15'44"W 23°03'45"S 43°19'06"W	37401	9Ed. 1/31/98 LAST NM 44/03 Delete Buoy (wavemeter) (Supersedes 22/03-37401)	47/03 46°05'32.4"N 1°42'04.8"W	
24162	9Ed. 8/3/96 LAST NM 42/03 Add Submarine cable [L30.1] joining (17/107)03 Rio de Janeiro	47/03 22°54'19.8"S 43°07'19.2"W 22°54'44.4"S 43°07'29.4"W 22°54'54.4"S 43°08'02.7"W	Substitute Depth 29 meters Wk [K30] (unsurveyed) for depth 29 meters Wk Depth 6.5 meters for 8.9 meters Depth 20.4 meters Obstn [K41] for 19 meters Obstn	46°05'35.4"N 1°21'48.0"W 46°15'23.0"N 1°26'21.7"W 46°06'30.0"N 1°16'09.0"W		
24164	6Ed. 6/4/88 LAST NM 41/03 Add Submarine cable [L30.1] between (17/110)03 Rio de Janeiro	47/03 23°15'10"S 43°47'30"W 23°21'30"S 44°06'51"W	Change Legend "(PD)" at dangerous wreck to "(PA)" Legend "(PD)" at dangerous wreck to "(PA)" Legend "(PD)" at dangerous wreck to "(PA)"	46°03'08.0"N 1°36'32.0"W 46°00'39.8"N 1°13'11.0"W 46°14'15.0"N 1°18'51.8"W		
24450	3Ed. 5/23/87 LAST NM 26/03 Delete Light (Neth CH 2212)	47/03 12°09.5'N 68°19.4'W	Add Legend "(PA)" to depth 15 meters Wk Legend "(PA)" to depth 15 meters Wk Legend "(PA)" to dangerous wreck Legend "(PA)" to dangerous wreck Buoy (wavemeter) Y, spherical, Fl(5) Y 20s	46°03'11.0"N 1°30'28.0"W 46°04'15.0"N 1°29'59.8"W 46°01'00.0"N 1°26'20.0"W 46°15'08.4"N 1°16'35.4"W 46°06'18.4"N 1°35'14.8"W		
24460	4Ed. 11/6/93 LAST NM 32/03 (Panel B) Delete Light and sector limits (Neth CH 2212)	47/03 12°09.3'N 68°19.8'W	Purple composite-line circle, radius 500 meters, with legend "ANCHORING AND FISHING PROHIBITED", centered on depth 12 meters Wk	46°06'23.2"N 1°35'15.0"W		
			(Fr CH 7404)			
24461	4Ed. 8/10/96 LAST NM 38/03 Delete Light and sector limits (Plan A) Delete Light and sector limits (Plan B) Change Light to QY Light to QY Light to QY Light to QY (Neth CH 2212)	47/03 12°09'24"N 68°19'38"W 12°09'22.5"N 68°19'38.0"W 12°13'11.2"N 68°23'07.8"W 12°13'11.0"N 68°23'04.8"W 12°13'10.7"N 68°22'49.1"W 12°13'10.3"N 68°22'46.0"W	42760	5Ed. 8/19/95 LAST NM 25/03 Add Light Fl R 3s 4M (7/763)00 St. Petersburg)	47/03 69°52.7'N 31°54.3'E	
24502	6Ed. 3/13/99 LAST NM 34/03 Relocate Buoy "9" from 11°02'22.1"N 74°48'38.1"W to 11°02'21.0"N 74°48'42.0"W (See 27/03-24502) (139/03 Bogota)	47/03	42762	3Ed. 10/16/93 LAST NM N30/03 Substitute Range beacon, front for range light, front Range beacon, rear for range light, rear	N47/03 69°16'22"N 33°50'57"E 69°16'14"N 33°51'09"E	
25613	2Ed. 1/28/95 LAST NM 27/03 Add Depth 14 meters Wk (unsurveyed) [K30] (39/4203)03 Taunton)	47/03 18°14'55"N 63°04'23"W	Change Legend to "Bns in line 152°42" (5/490)00 St. Petersburg)	69°17'08"N 33°49'55"E		
26050	1Ed. 8/10/85 LAST NM 26/03 Delete Racon at light (See 34/02, 26/03-26050) (136/03 Bogota)	47/03 15°47.7'N 79°50.7'W	42765	3Ed. 8/1/98 LAST NM 45/98 Change Period of light to 5s Add Light Fl R 3s 4M with visible sector 166°-355°	47/03 69°49'13"N 31°38'02"E 69°52'46"N 31°54'16"E	
28050	3Ed. 4/4/92 LAST NM 42/03 Delete Racon at light (See 34/02, 26/03-28050) (136/03 Bogota)	47/03 15°47.7'N 79°50.7'W	43040	6Ed. 8/5/95 LAST NM 38/03 Change Period of light to 5s Add Light Fl R 3s 4M (7/763)00 St. Petersburg)	47/03 69°49.3'N 31°38.0'E 69°52.8'N 31°54.3'E	
			43082	5Ed. 7/26/97 LAST NM 41/02 Delete Legend "WORLD...(WGS)"	47/03 70°23'07"N 23°49'00"E	
			Change "DATUM NOTE" to "Positions referred to the World Geodetic System 1984 (WGS-84) must be moved 0.7" Southward and 7.7' Westward to agree with this chart." (NTM0013/2003)	70°23'07"N 23°49'00"E		

SECTION I

43248	3Ed. 9/15/84 LAST NM 44/03 Delete Visibility (range) from light	47/03 63°12'30"N 8°01'44"E	44160	7Ed. 4/5/97 LAST NM 41/03 Change Range light, front to Q WRG 5-3M (39(1425)03 Norrkoping)	47/03 58°28.4'N 16°58.1'E
	Change Characteristic of light to Fl 5s (BA LL)	63°12'03"N 7°43'56"E			
43260	4Ed. 11/22/97 LAST NM 46/03 Change Characteristic of light to Fl 5s (BA LL)	47/03 63°12.0'N 7°43.9'E	44162	1Ed. 3/25/89 LAST NM 24/03 Add Light Fl G 3s Light Fl R 3s (25(488)01 Norrkoping)	47/03 58°36'44.2"N 16°15'52.8"E 58°36'42.3"N 16°15'51.6"E
43265	2Ed. 12/27/97 LAST NM 46/03 Delete Visibility (range) from light (BA LL)	47/03 62°27'54"N 6°39'36"E	44164	1Ed. 12/2/89 LAST NM 22/03 Add Submarine pipeline [L40.1] joining (41(1446)03 Norrkoping)	47/03 58°39'27.4"N 17°02'44.2"E 58°39'29.4"N 17°03'14.2"E 58°39'27.6"N 17°03'24.0"E
43266	1Ed. 4/10/93 LAST NM 3/94 Change Light to Fl WRG 3s 10m with sectors green 285°-323°30', white-332°30', red-085°, white- 095°, green-140° Sectors of light to red 079°-110°, white- 111°30', green-220°, white-224°30', red-234° (BA LL)	47/03 62°07'05"N 7°10'32"E 62°05'14"N 7°03'52"E	44200	9Ed. 7/20/96 LAST NM 43/03 Change Light to VQ(4) 8s 14m 6M (29(1291)03 Norrkoping; BA LL)	47/03 60°11.2'N 19°10.2'E
43280	5Ed. 2/15/97 LAST NM 40/03 Delete Visibility (range) from light (BA LL)	47/03 62°17.2'N 5°32.9'E	44280	9Ed. 7/13/96 LAST NM 44/03 Change Visibility (range) of range light, front to 7-4M (See 2/03-44280) (39(1409)03 Norrkoping)	47/03 65°43.0'N 23°27.0'E
43281	6Ed. 2/7/98 LAST NM 46/03 Delete Visibility (range) from light Visibility (range) from light Change Visibility (range) of light to 8-5M (BA LL)	47/03 62°17'07"N 5°32'53"E 62°19'24"N 5°45'53"E 62°16'23"N 5°50'39"E	44285	1Ed. 4/14/90 LAST NM 44/03 Change Visibility (range) of range light, front to 7-4M and change sectors of light between 340° and 060° to obscured 340°-032°, red-060° (See 2/03-44285) (39(1409)03 Norrkoping)	47/03 65°43'07"N 23°27'00"E
43283	6Ed. 8/17/96 LAST NM 43/03 Delete Visibility (range) from light (BA LL)	47/03 62°17'08"N 5°32'51"E	44286	1Ed. 4/14/90 LAST NM 40/03 Change Visibility (range) of range light, front to 7-4M and change sectors of light between 340° and 060° to obscured 340°-032°, red-060° (See 2/03-44286) (39(1409)03 Norrkoping)	47/03 65°43'06.6"N 23°27'00.0"E
43370	7Ed. 6/29/96 LAST NM 45/99 Substitute Beacon (unlit) for light	47/03 59°25'49"N 10°28'49"E	44430	2Ed. 6/22/96 LAST NM 44/03 Add Depth 15.2 meters Wk [K26] Dangerous wreck [K28] Stranded wreck [K24] Dangerous wreck [K28] (36(543)02, 6(127), 35(528, 529)03 Gdynia)	47/03 54°29.0'N 18°42.5'E 54°21.0'N 19°10.3'E 54°20.8'N 19°05.5'E 54°25.6'N 18°35.8'E
43377	2Ed. 4/10/99 LAST NM 34/99 Delete Visibility (range) from light (BA LL)	47/03 59°12'33.8"N 10°56'33.0"E	44461	10Ed. 1/11/97 LAST NM 36/03 Add Depth 15.2 meters Wk [K26] Dangerous wreck [K28] Stranded wreck [K24] Dangerous wreck [K28] (36(543)02, 6(127), 35(528, 529)03 Gdynia)	47/03 54°29.0'N 18°42.5'E 54°21.0'N 19°10.3'E 54°20.8'N 19°05.5'E 54°25.6'N 18°35.8'E
43386	2Ed. 5/30/98 LAST NM 45/99 Substitute Beacon (unlit) for light	47/03 59°25'48.7"N 10°28'53.2"E	44465	2Ed. 4/23/94 LAST NM 25/03 Add Depth 15.2 meters Wk [K26] Dangerous wreck [K28] Stranded wreck [K24] Dangerous wreck [K28] (36(543)02, 6(127), 35(528, 529)03 Gdynia)	47/03 54°28'59"N 18°42'31"E 54°21'03"N 19°10'21"E 54°20'47"N 19°05'29"E 54°25'38"N 18°35'49"E
	Change Light to Iso WRG 4s 4m 6-4M Note: Sectors remain unchanged	59°24'59.5"N 10°29'54.5"E			
	Characteristic of light to Fl R 3s Visibility (range) of light to 10-7M (BA LL)	59°26'10.0"N 10°28'58.4"E			
44015	8Ed. 7/22/95 LAST NM 44/03 Add Depth 15.2 meters Wk [K26] Dangerous wreck [K28] (6(127), 35(528)03 Gdynia)	47/03 54°29.0'N 18°42.5'E 54°21.0'N 19°10.3'E	52144	5Ed. 12/25/93 LAST NM 23/03 Add "RESTRICTED AREA" [N2.1] bound by shore and purple composite line joining (Plan) "RESTRICTED AREA" [N2.1] bound by shore and purple composite line between (28(454)03 Cadiz)	47/03 39°32'43"N 2°37'57"E 39°26'21"N 2°32'01"E 39°26'44"N 2°27'50"E 39°33'40"N 2°17'20"E 39°34'28"N 2°18'12"E
44105	2Ed. 1/29/94 LAST NM 41/03 Add Beacon Beacon Beacon Beacon (25(479)01 Norrkoping; Swd CH 8221)	47/03 56°08'13"N 14°50'14"E 56°08'22"N 14°51'20"E 56°08'26"N 14°51'26"E 56°06'39"N 14°58'20"E			
44140	8Ed. 7/20/96 LAST NM 44/03 Add Depth 15.2 meters Wk [K26] (6(127)03 Gdynia)	47/03 54°29.0'N 18°42.5'E			

SECTION I

54125	3Ed. 8/17/02 LAST NM 30/03 Delete Pilot station symbol	47/03 45°15.2'N 14°28.8'E	41°02.9'S 174°48.5'E 41°06.5'S 174°49.9'E (20(131)03 Wellington)
Add	Pilot station symbol [T1.1] Pilot station symbol [T1.1] Pilot station symbol [T1.1] Pilot station symbol [T1.1] Pilot station symbol [T1.1] Legend "CAUTION NO 3" (3(1), 4(4)03 Split)	45°19.9'N 14°19.9'E 45°15.0'N 14°26.9'E 44°57.5'N 14°22.9'E 44°44.5'N 14°44.6'E 44°33.4'N 14°24.9'E 44°44.0'N 13°16.0'E	
54140	7Ed. 9/5/92 LAST NM 30/03 Add Legend "CAUTION NO 1" (4(4)03 Split)	47/03 44°42.0'N 13°17.0'E	
54180	6Ed. 9/26/92 LAST NM 42/03 Delete Pilot station symbol	47/03 45°15.2'N 14°28.8'E	
Add	Pilot station symbol [T1.1] Pilot station symbol [T1.1] Pilot station symbol [T1.1] Pilot station symbol [T1.1] Pilot station symbol [T1.1] (3(1)03 Split)	45°19.9'N 14°19.9'E 45°14.9'N 14°26.9'E 44°57.5'N 14°22.5'E 44°44.5'N 14°44.6'E 44°33.4'N 14°24.9'E	
54226	2Ed. 8/5/95 LAST NM 50/02 Relocate Buoy from 43°02'41"N 17°25'27"E to (See 50/02-54226) (4(6)03 Split)	47/03 43°02'40"N 17°25'28"E	
54227	2Ed. 7/15/95 LAST NM 50/02 Relocate Buoy from 43°02'41.3"N 17°25'27.3"E to (See 35/98, 50/02-54227) (4(6)03 Split)	47/03 43°02'40.0"N 17°25'27.5"E	
55140	2Ed. 9/28/96 LAST NM 46/03 Add Depth 3 meters Wk [K26] (5(513)00 St. Petersburg)	47/03 44°59.8'N 35°45.9'E	
55180	2Ed. 10/12/96 LAST NM 46/03 Add Depth 3 meters Wk [K26] (5(513)00 St. Petersburg)	47/03 44°59.8'N 35°45.9'E	
55200	2Ed. 8/17/96 LAST NM 46/03 Add Depth 3 meters Wk [K26] (5(513)00 St. Petersburg)	47/03 44°59.8'N 35°45.9'E	
71040	5Ed. 3/13/99 LAST NM 7/03 Add "Marine farm" area bound by dashed line joining	47/03 8°50.9'N 98°12.7'E 8°50.9'N 98°13.0'E 8°49.9'N 98°13.0'E 8°49.9'N 98°12.7'E Dashed-line circle "Marine farm" 7°42.3'N 98°56.3'E (5(65)03 Bangkok)	
74287	2Ed. 6/13/98 LAST NM 9/03 Change Lines 2-3 of Note No. 1 to "variations in actual depths to those charted. In 2002, a least depth of 9.8 meters was obtained." 10°31'06.0"S 141°50'15.0"E (NOS)	47/03 10°35'36.0"S 141°55'36.0"E 10°34'30.0"S 141°53'18.0"E 10°32'24.0"S 141°54'15.0"E	
Add	Chartlet A, depicting changes in hydrography, from Subsection I-2 10°35'36.0"S 141°55'36.0"E Chartlet B, depicting changes in hydrography, from Subsection I-2 10°34'30.0"S 141°53'18.0"E Chartlet C, depicting changes in hydrography, from Subsection I-2 10°32'24.0"S 141°54'15.0"E (Aus CH 289)		
76040	8Ed. 8/10/96 LAST NM 12/01 Change Visibility (range) of light to 9M (18(119)03 Wellington)	47/03 35°11'06"S 173°03'30"E	
76070	9Ed. 6/22/96 LAST NM 45/03 Add Submarine cable [L30.1] joining	47/03 40°53.9'S 174°58.7'E 40°54.0'S 174°57.5"E	
76080	8Ed. 2/22/97 LAST NM 18/03 Add Wreck [K29] (18(120)03 Wellington)	47/03 40°39'50"S 172°58'41"E	
76121	8Ed. 8/22/98 LAST NM 9/02 Relocate Buoy "South Davey" from 46°36'39.0"S 168°21'59.6"E to (18(121)03 Wellington)	47/03 46°36'49.6"S 168°22'02.1"E	
76161	10Ed. 10/25/97 LAST NM 40/02 (Plan A) Add Land tint to area bound by shore and solid line [F13] joining	47/03 39°28'27.2"S 176°54'47.4"E 39°28'29.4"S 176°54'37.8"E 39°28'33.3"S 176°54'37.8"E Range light, front F Bu 10m 1M (neon) 39°28'28.4"S 176°54'42.1"E Range light, rear F Bu 19m 1M (neon) 39°28'32.0"S 176°54'42.8"E	
		Range line extending in 351° direction from above rear light dashed for 600 meters, thence solid for 400 meters	
		Legend "Lts in line 171°" along above range line 39°28'00.0"S 176°54'37.0"E	
		(Plan B) Add Land tint to area bound by shore and solid line [F13] joining	
		39°28'27.2"S 176°54'47.4"E 39°28'29.4"S 176°54'37.8"E 39°28'33.3"S 176°54'37.8"E Range light, front F Bu 10m 1M (neon) 39°28'28.4"S 176°54'42.1"E Range light, rear F Bu 19m 1M (neon) 39°28'32.0"S 176°54'42.8"E	
		Range line extending in 351° direction from above rear light dashed for 600 meters, thence solid to chart border	
		Note: Range line extends beyond chart border	
		Legend "Lts in line 171°" along above range line 39°28'06.0"S 176°54'37.8"E (18(118)03 Wellington)	
*81063	5Ed. 5/26/90 LAST NM 2/02 Add Legend "See note"	47/03 14°08'06.5"N 145°07'54.0"E	
		Note "ROTA HARBOR The controlling depth for Rota Harbor is 20 feet for the center 250 feet to the first turn (for the first 685 feet) of entrance channel and 16 feet for the center 150 feet for the remaining 720 feet of the channel. There is shoaling to 9 feet at the channel edges." 14°08'34.0"N 145°09'03.0"E	
93160	4Ed. 11/24/01 LAST NM 24/03 Add Dashed-line circle "Marine farm"	47/03 6°52'11"N 101°35'54"E 6°49'19"N 101°41'12"E 6°48'43"N 101°41'53"E 6°47'54"N 101°42'28"E 6°46'00"N 101°43'51"E 6°44'47"N 101°44'43"E 6°43'54"N 101°45'22"E 6°38'31"N 101°43'32"E 6°35'29"N 101°49'22"E 6°28'49"N 101°52'18"E (5(65)03 Bangkok)	
93180	7Ed. 4/13/96 LAST NM 34/02 Add Dashed-line circle "Marine farm"	47/03 6°52'11"N 101°35'54"E	

(continued on next page)

SECTION I

93180	(Continued)				
	Dashed-line circle "Marine farm"	6°49'19"N 101°41'12"E			
	Dashed-line circle "Marine farm"	6°48'43"N 101°41'53"E			
	Dashed-line circle "Marine farm"	6°47'54"N 101°42'28"E			
	Dashed-line circle "Marine farm"	6°46'00"N 101°43'51"E			
	(5(65)03 Bangkok)				
93220	6Ed. 9/6/97 LAST NM 34/02		47/03		
Add	Dashed-line circle "Marine farm"	10°00'52"N 99°11'43"E			
	Dashed-line circle "Marine farm"	9°58'29"N 99°11'50"E			
	(5(65)03 Bangkok)				
93240	11Ed. 7/26/97 LAST NM 24/03		47/03		
Delete	Dotted-line circle "Marine farm" centered	12°28'20"N 100°00'15"E			
Add	Dashed-line circle "Marine farm"	12°39'00"N 101°04'16"E			
	"Marine farm" area bound by dashed line joining	12°30'37"N 100°00'03"E 12°30'37"N 100°00'48"E 12°28'07"N 100°00'48"E 12°28'07"N 100°00'03"E			
	"Marine farm" area bound by dashed line joining	12°28'25"N 100°00'48"E 12°28'25"N 100°01'48"E 12°26'07"N 100°01'48"E 12°26'07"N 100°00'48"E			
	(5(65)03 Bangkok)				
93260	8Ed. 9/13/97 LAST NM 18/03		47/03		
Add	Dashed-line circle "Marine farm"	12°39'00"N 101°04'16"E			
	Dashed-line circle "Marine farm"	12°35'55"N 101°43'08"E			
	"Marine farm" area bound by dashed line joining	12°32'37"N 101°51'32"E 12°32'37"N 101°51'48"E 12°31'33"N 101°51'48"E 12°31'33"N 101°51'32"E			
	(5(65)03 Bangkok)				
93261	5Ed. 3/7/98 LAST NM 7/03		47/03		
Add	"Marine farm" area bound by dashed line joining	12°39'07"N 101°03'44"E 12°39'07"N 101°04'50"E 12°38'51"N 101°04'50"E 12°38'51"N 101°03'44"E			
	(5(65)03 Bangkok)				
93730	3Ed. 6/29/96 LAST NM 46/03		47/03		
Add	Depth 23 meters Wk [K26]	(36(740)03 Tianjin)	22°17.3'N 114°21.6'E		
93733	13Ed. 6/28/97 LAST NM 45/03		47/03		
Add	Depth 23 meters Wk [K26]	(36(740)03 Tianjin)	22°17'17"N 114°21'38"E		
94016	2Ed. 9/23/95 LAST NM 33/03		47/03		
Add	Light Fl 20M	(17(608)01 Tokyo)	28°06.7'N 129°22.6'E		
94216	6Ed. 4/20/96 LAST NM 44/03		47/03		
Add	Stranded wreck [K24]	30°58'48"N 122°09'01"E			
	Stranded wreck [K24]	30°58'15"N 122°08'32"E			
	(36(743), 744)03 Tianjin)				
94220	4Ed. 9/23/95 LAST NM 46/03		47/03		
Add	Stranded wreck [K24]	30°58.3'N 122°08.5'E			
	Stranded wreck [K24]	30°58.8'N 122°09.0'E			
	(36(743), 744)03 Tianjin)				
94322	14Ed. 5/18/96 LAST NM 8/03		47/03		
Add	Purple dashed-line circle "Unexploded ordnance"	(35(719)03 Tianjin)	37°32'21"N 121°56'16"E		
94420	3Ed. 9/23/95 LAST NM 44/03		47/03		
Add	Purple dashed-line circle "Unexploded ordnance"	(35(719)03 Tianjin)	37°32.4'N 121°56.2'E		
95261	7Ed. 8/17/96 LAST NM 36/03		47/03		
Delete	Submarine cable in vicinity	39°20'00"N 139°41'00"E			
Change	Light to Fl 10s 82m 20M Ramark	(40(1501), 1502)03 Tokyo	39°11'59"N 139°33'22"E		
96941	8Ed. 5/31/97 LAST NM 47/02		47/03		
Delete	Submarine cable in vicinity	(40(1501)03 Tokyo)	43°34.0'N 140°28.0'E		
96960	3Ed. 5/10/97 LAST NM 7/03		47/03		
Delete	Submarine cable in vicinity	(40(1501)03 Tokyo)	43°34.0'N 140°28.0'E		
97005	9Ed. 8/19/95 LAST NM 51/01		47/03		
Change	Visibility (range) of light to 20M	(40(1502)03 Tokyo)	39°12.0'N 139°33.4'E		
97108	3Ed. 4/27/85 LAST NM 26/03		47/03		
Relocate	Buoy from 35°57'21.0"N 140°43'05.5"E to 35°57'23.2"N 140°43'05.8"E	(37(1414)03 Tokyo)	Buoy from 35°57'21.8"N 140°42'53.0"E to 35°57'23.9"N 140°42'53.0"E		
97145	1Ed. 2/16/91 LAST NM 45/03		47/03		
Change	Visibility (range) of light to 4M	(37(1415)03 Tokyo)	35°05'37"N 140°06'37"E		
97204	9Ed. 2/12/94 LAST NM 45/03		47/03		
Add	Fish haven symbol [K46.1] with height "(4.5)" meters	(40(1529)03 Tokyo)	34°33'11.0"N 134°46'15.0"E		
97219	4Ed. 12/20/97 LAST NM 25/03		47/03		
Add	Fish haven symbol [K46.1] with height "(4.5)" meters	(40(1529)03 Tokyo)	34°33'11.0"N 134°46'15.0"E		
97272	11Ed. 6/14/97 LAST NM 37/03		47/03		
Delete	Dashed line and legend "Conveyor"	(40(1505)03 Tokyo)	34°03'29"N 131°43'04"E		
Add	Fish haven symbol [K46.1]	(40(1505)03 Tokyo)	33°57'48"N 131°48'07"E		
	Fish haven symbol [K46.1]		34°03'26"N 131°43'03"E		
	Fish haven symbol [K46.1]		34°03'31"N 131°42'54"E		
97274	19Ed. 6/27/98 LAST NM 37/03		47/03		
Add	Note from Subsection I-2 Legend "SEE CAUTION"	(38(1467)03 Tokyo)	34°00'12"N 131°19'00"E		
			33°49'00"N 131°03'58"E		
97340	8Ed. 4/5/97 LAST NM 46/03		47/03		
Change	Visibility (range) of light to 14M	(15(524), 51(1830)00, 37(1425)03 Tokyo; Jpn LL)	31°16.9'N 131°07.9'E		
	Visibility (range) of light to 6M		30°28.2'N 130°51.9'E		
	Visibility (range) of light to 10M		30°27.6'N 130°57.8'E		
	Light to F Fl R 4s 14m 12/6M		30°27.4'N 130°29.5'E		
97341	9Ed. 9/27/97 LAST NM 21/03		47/03		
Change	Visibility (range) of light to 14M	(37(1425)03 Tokyo)	31°16'52"N 131°07'50"E		
97360	6Ed. 2/1/97 LAST NM 45/03		47/03		
Change	Characteristic of light to Al Fl(2) WG 10s	(15(524)00 Tokyo; Jpn LL)	30°50'00"N 129°57'46"E		
	Visibility (range) of light to 12/6M		30°27'25"N 130°29'27"E		

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97383	16Ed. 9/6/97 LAST NM 46/03 Change Light to Fl 3s 3M (37(1424)03 Tokyo)	47/03 32°34'29"N 130°27'31"E
97385	10Ed. 8/2/97 LAST NM 46/03 Change Light to Fl 3M (37(1424)03 Tokyo)	47/03 32°34'29"N 130°27'31"E
97389	2Ed. 8/16/03 LAST NM 45/03 Change Light to Fl 3s 12m 3M (37(1424)03 Tokyo)	47/03 32°34'29.0"N 130°27'31.0"E
97412	7Ed. 10/19/96 LAST NM 40/02 Change Light to Fl G 4s 12m 5M (37(1422)03 Tokyo)	47/03 33°28'20.0"N 129°59'10.0"E
97440	8Ed. 6/21/97 LAST NM 43/03 Change Visibility (range) of light to 14M Visibility (range) of light to 10M Light to Fl 20M (17(608)01, 37(1425)03 Tokyo; Jpn LL)	47/03 31°16.9'N 131°07.9"E 30°27.5'N 130°58.0"E 28°06.7'N 129°22.6"E
97441	5Ed. 8/31/96 LAST NM 46/02 Change Light to Fl 6s 103m 20M (17(608)01 Tokyo)	47/03 28°06'41"N 129°22'39"E
97443	6Ed. 12/21/96 LAST NM 25/03 Change Light to Fl 6s 103m 20M (17(608)01 Tokyo)	47/03 28°06'41.0"N 129°22'39.0"E
97460	7Ed. 8/17/96 LAST NM 21/03 Change Light to Fl 6s 20M (17(608)01 Tokyo)	47/03 28°06.7'N 129°22.6"E
800744	1Ed. 9/24/88 LAST NM N36/03 Add Light "F" Fl Y 4s 27ft (Priv) (37/03 CG14)	N47/03 21°27'54"N 157°45'03"W

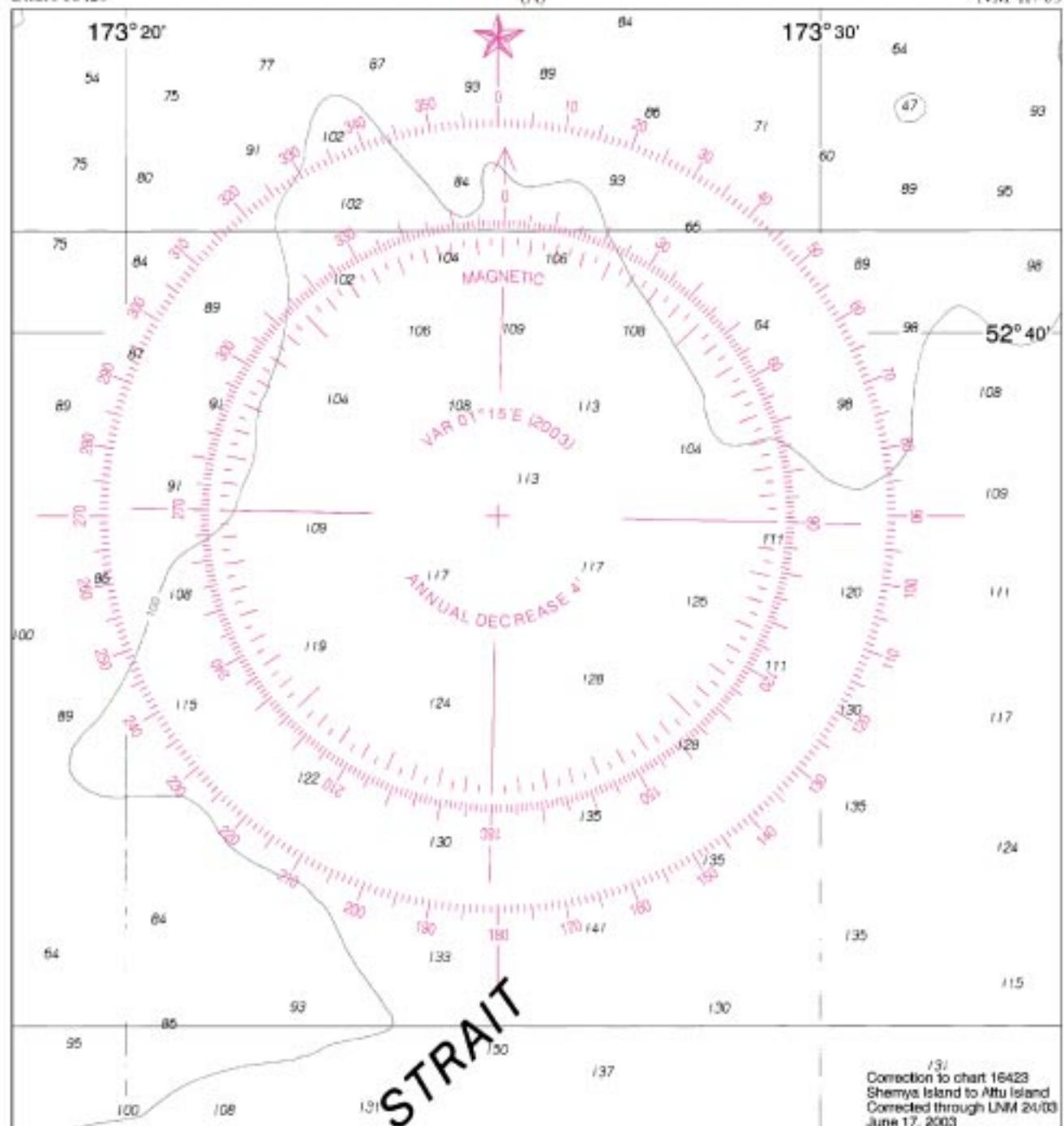
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Chart 16423

(A)

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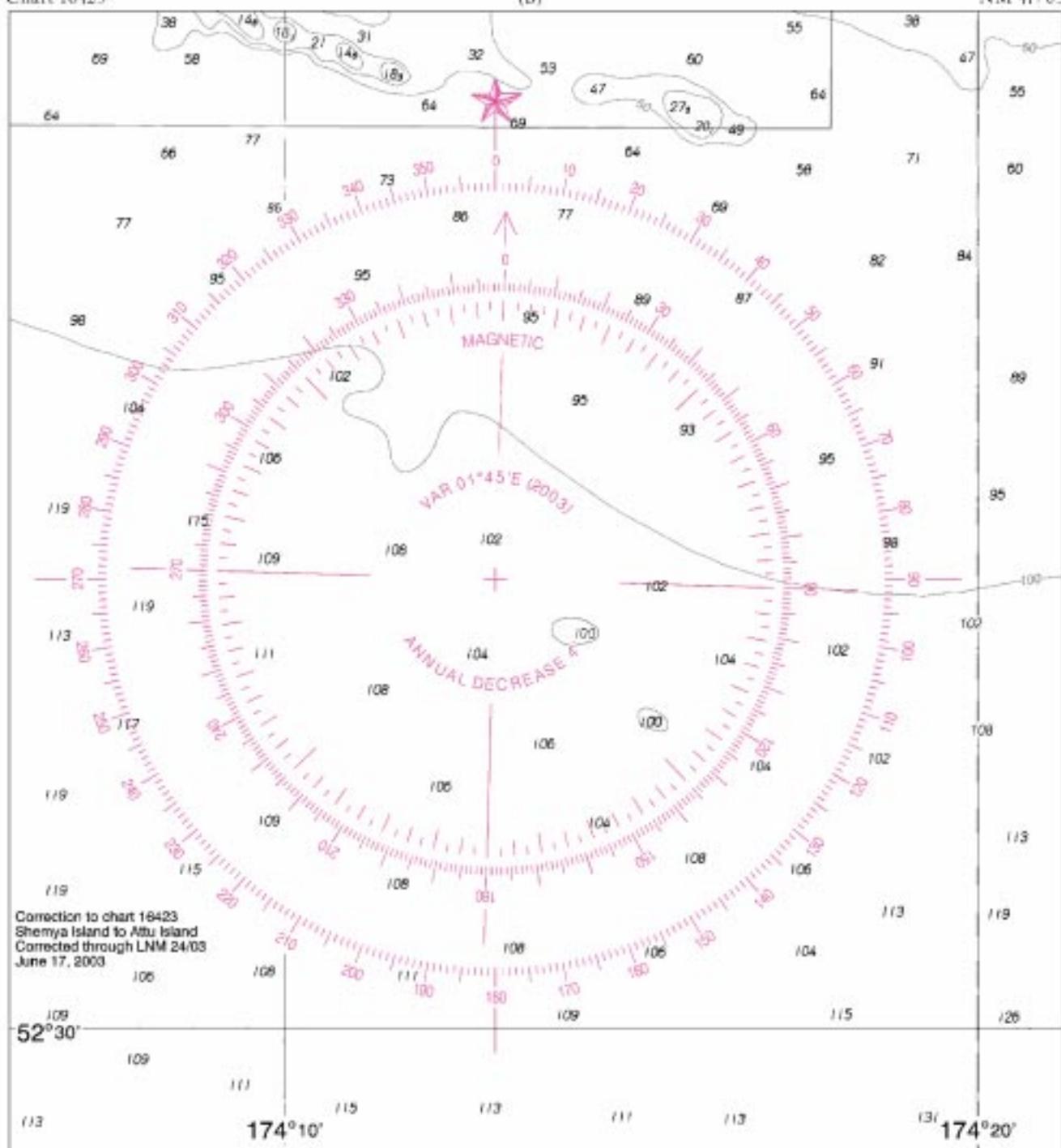
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Chart 16423

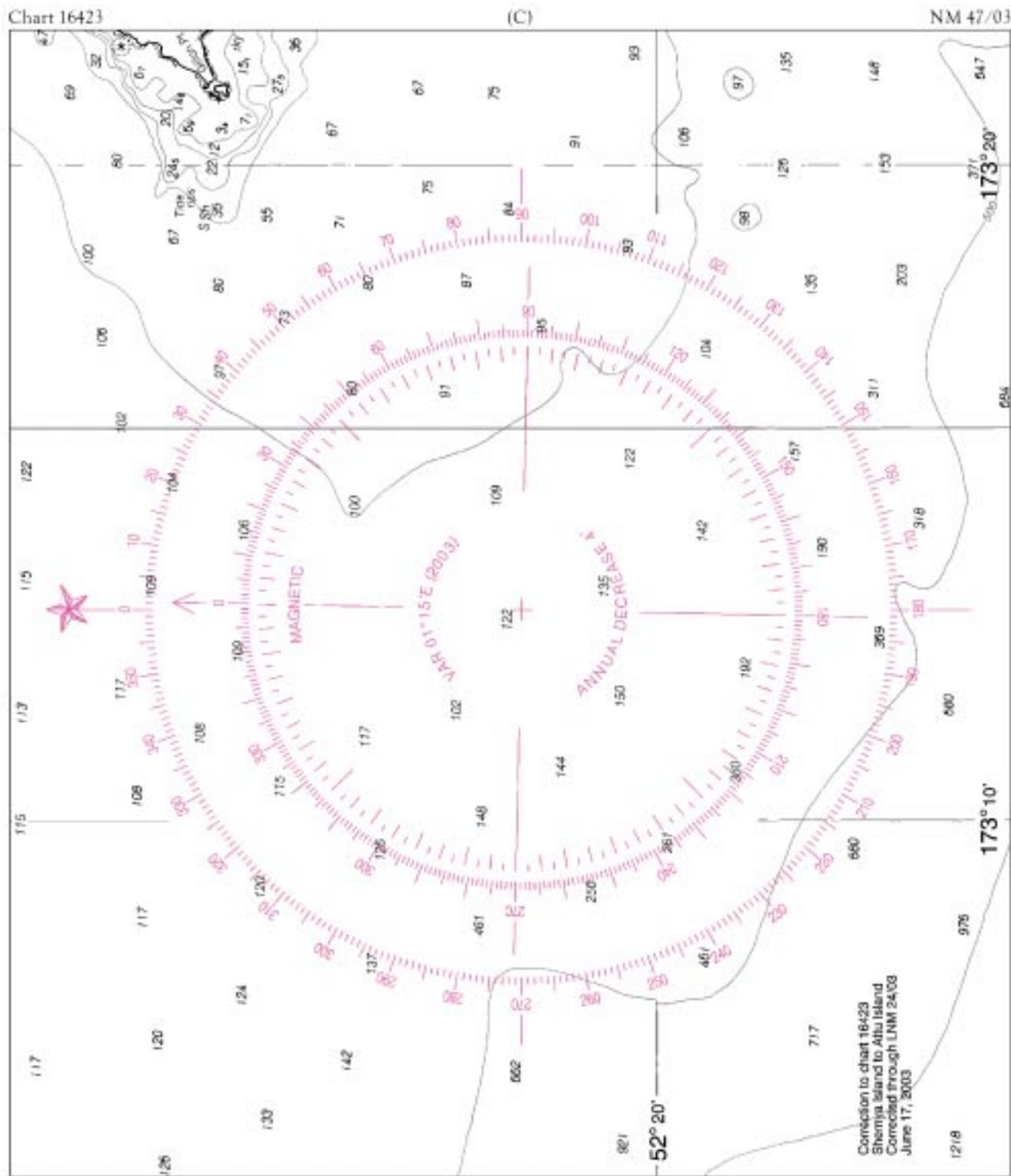
(B)

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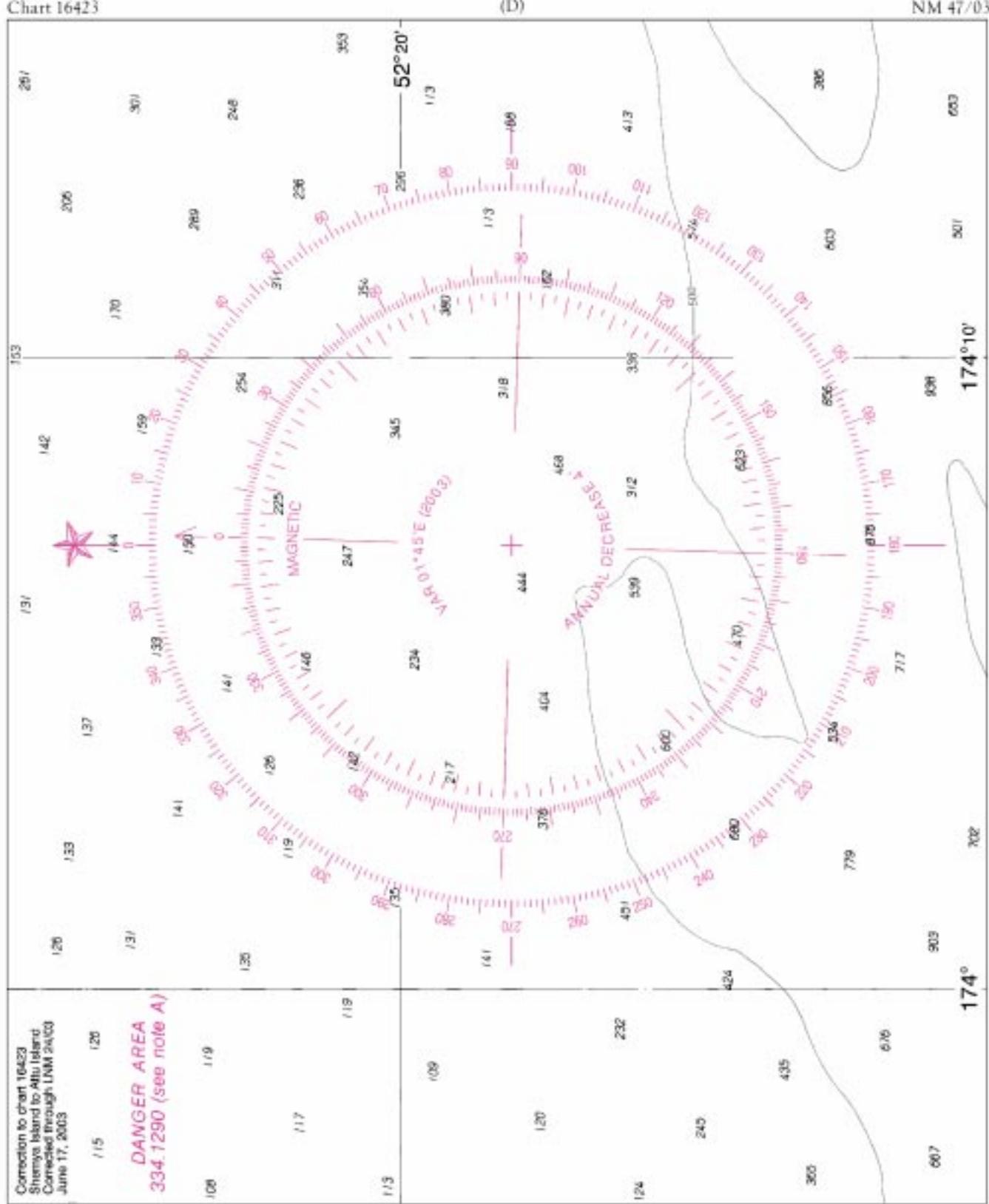
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Chart 16423

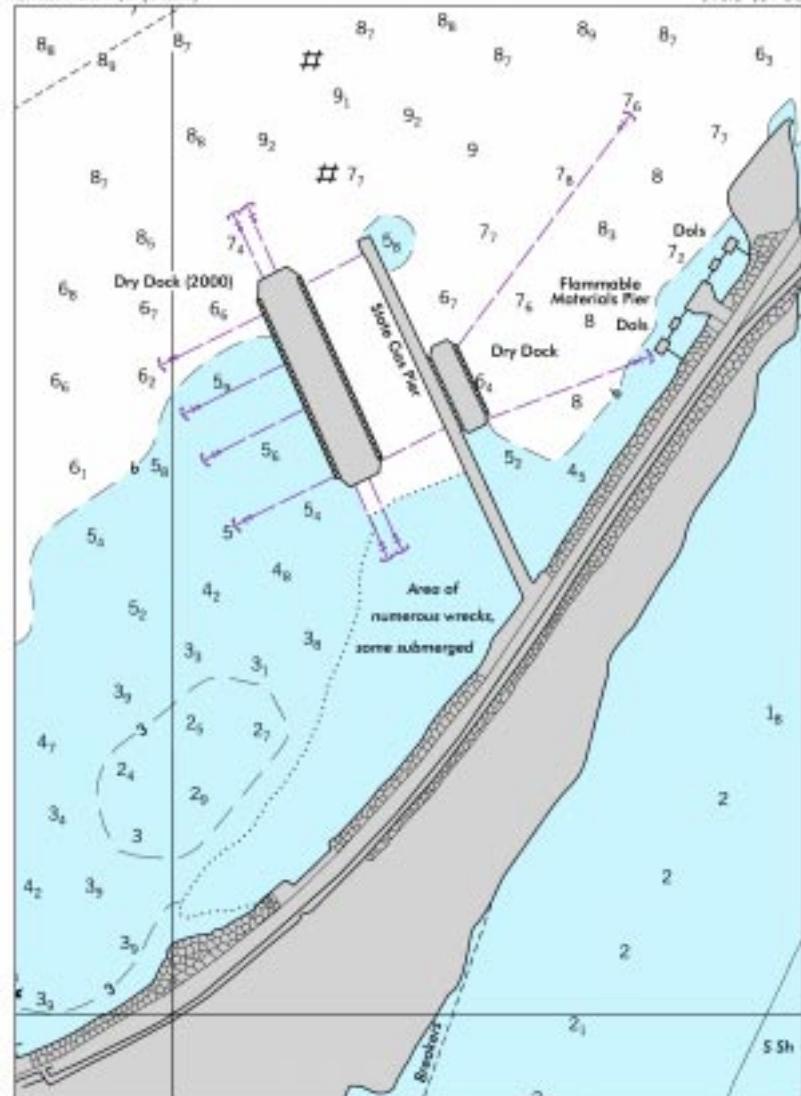


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Chart 23142 (Plan)

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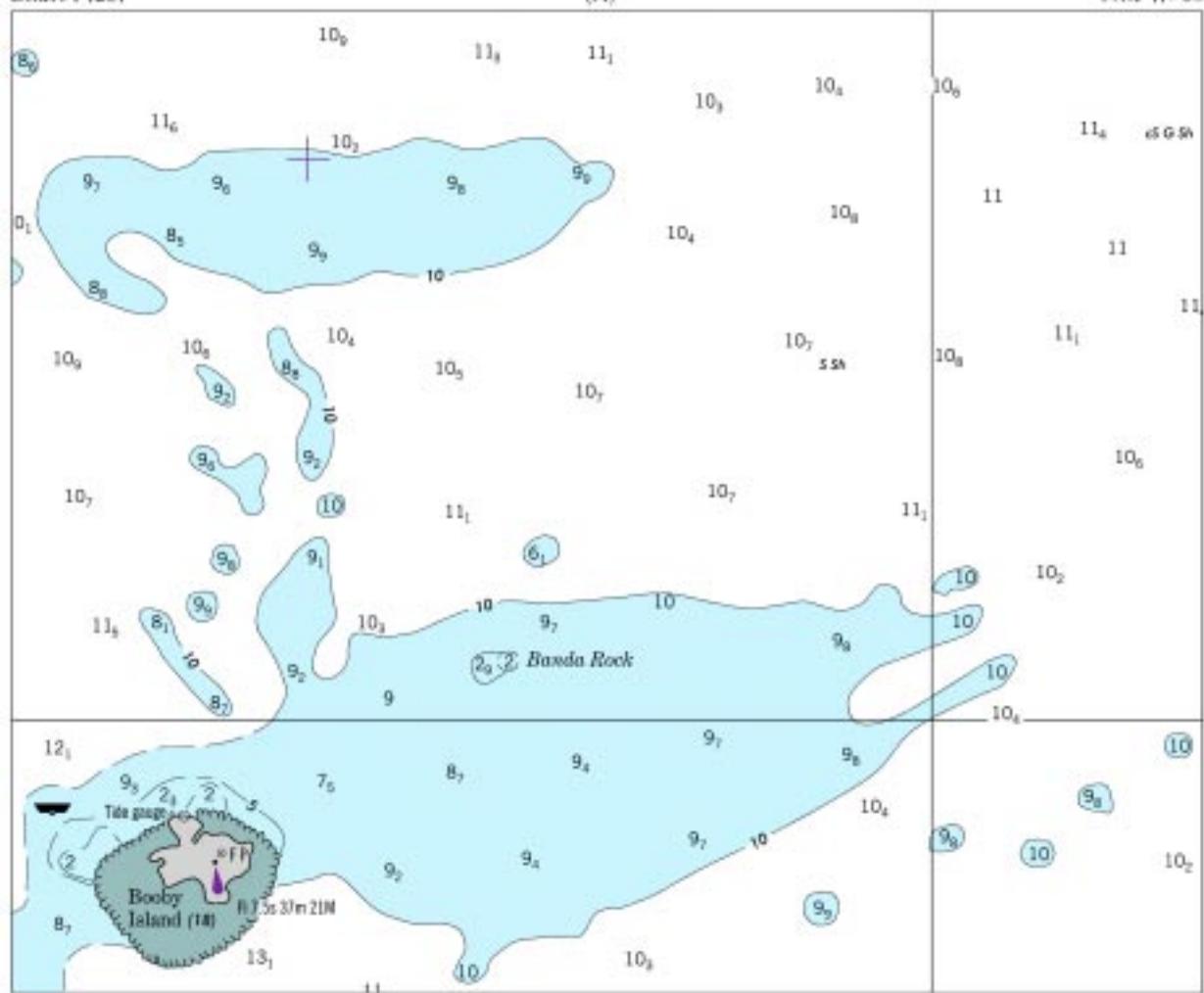
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Chart 74287

(A)

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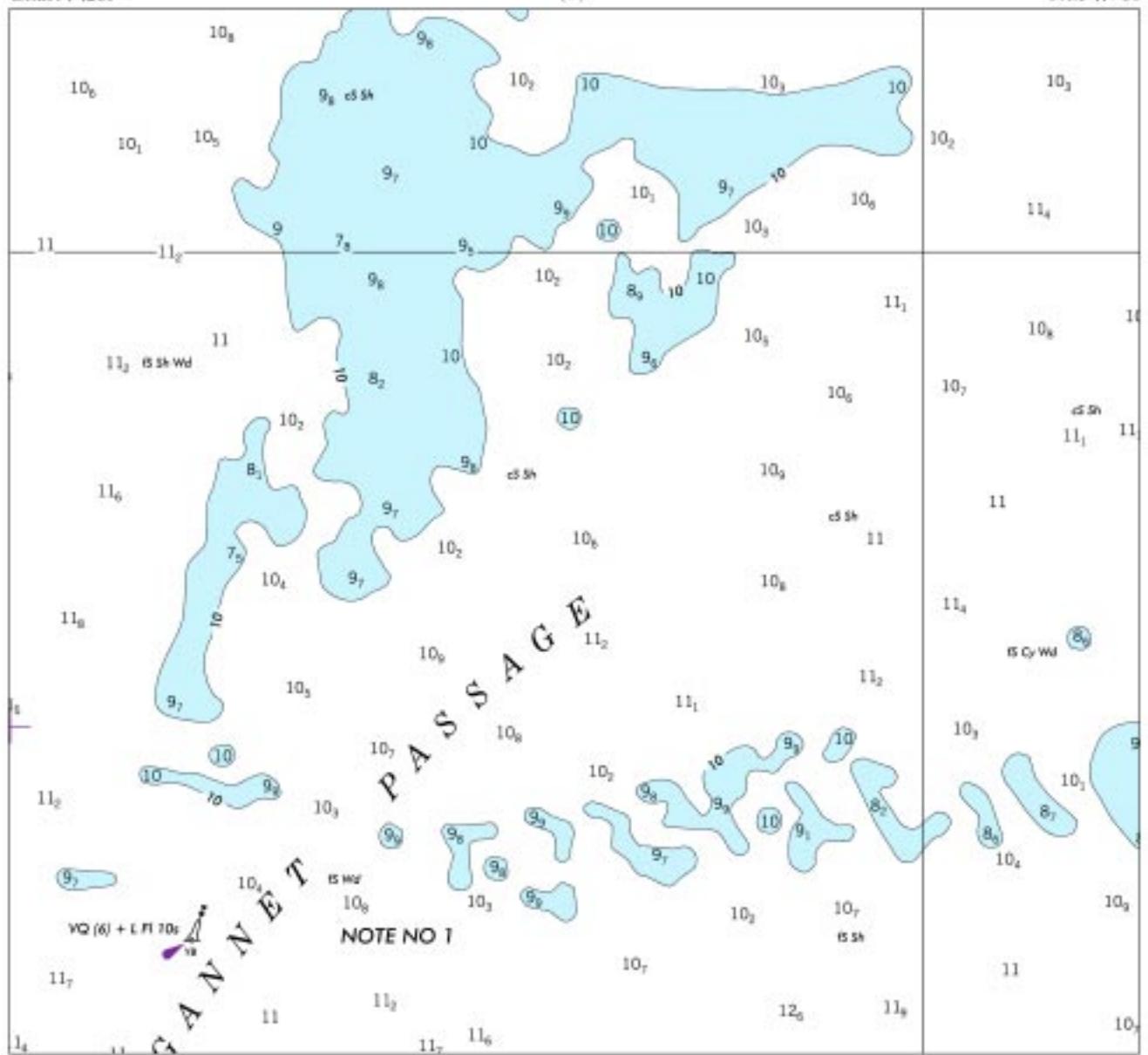
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Chart 74287

(B)

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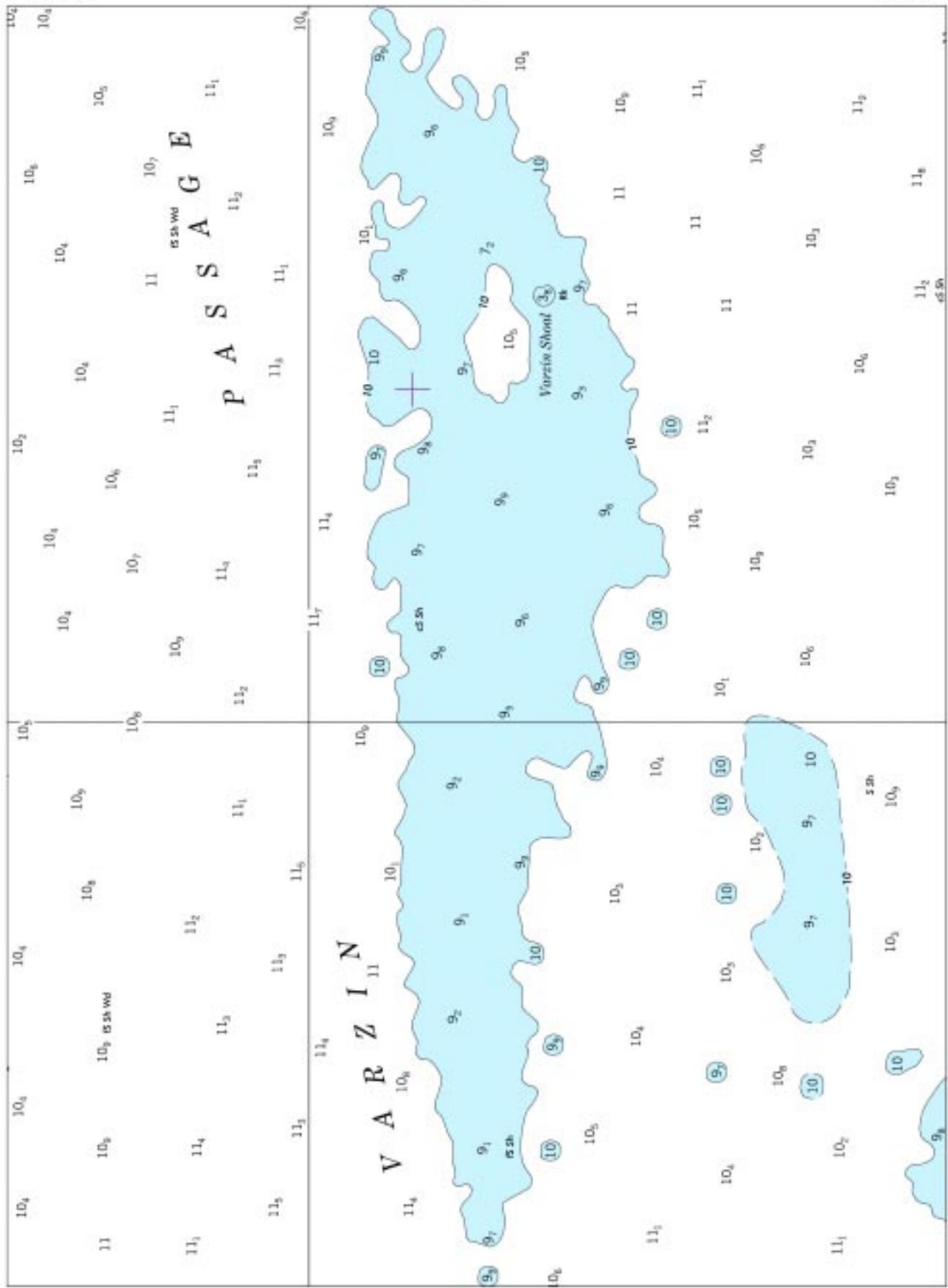
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Chart 74287

(C)

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Chart 11322 (Side B)

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FREEPORT HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET) MLLW
CHANNEL FROM DEEP WATER TO SEAWARD END OF JETTY	38.0	44.0	40.0		8-03	400 3.7 47
JETTY CHANNEL	42.0	43.0	39.0		8-03	400 1.2 45
LOWER TURNING BASIN	42.0	44.0	36.0		8-03	750 0.9 45
THENCE TO BRAZOSPORT TURNING BASIN	44.0	47.0	45.0		7-03	400-600 0.4 45
BRAZOSPORT TURNING BASIN	44.0	47.0	46.0		7-03	500-1000 0.2 45
CHANNEL TO UPPER TURNING BASIN	45.0	48.0	47.0		7-03	280-470 0.9 45
BRAZOS HARBOR APPROACH CHANNEL	39.0	41.0	40.0		1-03	200-650 0.5 36
BRAZOS HARBOR TURNING BASIN	36.0	38.0	40.0		1-03	750 0.1 36
UPPER TURNING BASIN	46.0	48.0	48.0		7-03	600-1190 0.2 45
CHANNEL TO STAUFFER TURNING BASIN	17.0	19.0	17.5		11-68	200 1.0 25
STAUFFER TURNING BASIN	18.0	18.0	16.0		11-68	500 0.1 25
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.						
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 11323

NM 47/03

GALVESTON BAY ENTRANCE - CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET) MLLW
ENTRANCE CHANNEL	46.0	46.0	46.0	44.0	7-03	800-1000 7.5 45
OUTER BAR CHANNEL	36.0	43.0	47.0	47.0	7-03	800 1.5 45
INNER BAR CHANNEL	37.0	42.0	43.0	34.0	7-03	800 2.9 45
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.						
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 11324

NM 47/03

GALVESTON BAY AND HOUSTON SHIP CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET) MLLW
GALVESTON HARBOR:						
ENTRANCE CHANNEL	46.0	46.0	46.0	44.0	7-03	800-1000 7.5 45
OUTER BAR CHANNEL	36.0	43.0	47.0	47.0	7-03	800 1.5 45
INNER BAR CHANNEL	37.0	42.0	43.0	34.0	7-03	800 2.9 45
BOLIVAR ROADS CHANNEL	48.0	48.0	46.0	41.0	9-02	800 0.7 45
HOUSTON SHIP CHANNEL:						
BOLIVAR ROADS TO LOWER END OF MORGAN PT.	36.0	41.0	39.0	32.0	9/02/1/03	400-530 23.4 40
GALVESTON CHANNEL	30.0	36.0	31.0	21.0	7-03	1125-1075 3.5 40
TEXAS CITY CHANNEL	32.0	41.0	40.0	36.0	7-03	400 5.9 40
TEXAS CITY TURNING BASIN	37.0	37.0	38.0	36.0	7-03	1200 0.5 40
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.						
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

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NM 47/03

Chart 11325

NM 47/03

HOUSTON SHIP CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT).						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
HOUSTON SHIP CHANNEL: EXXON OIL CO. SLIP							DEPTH MLLW (FEET)
TO CARPENTERS BAYOU (A)	32.0	36.0	42.0	34.0	7-03	400-525	4.90
THENCE TO GREENS BAYOU (B)	43.0	41.0	40.0	41.0	7-03	400-300	4.70
GREENS BAYOU CHANNEL (TO FIRST BEND)	39.0	42.0	44.0	42.0	4-02	500-175	0.34
THENCE TO HUNTING BAYOU (UPPER BEND)	40.0	43.0	43.0	40.0	8-02	300	1.91
TURNING POINT AT HUNTING BAYOU	43.0	43.0	42.0	42.0	9-02	600	0.17
THENCE TO SOUTHERN PACIFIC SLIP	39.0	41.0	41.0	38.0	8-02	300	3.04
TURNING POINT AT SIMS BAYOU	43.0	44.0	43.0	42.0	9-02	700	0.26
THENCE TO HOUSTON TURNING BASIN WHARF 15	33.0	34.0	35.0	34.0	7-03	300	2.68
TURNING POINT AT BRADY ISLAND	31.0	37.0	39.0	39.0	7-03	422	0.17
HOUSTON TURNING BASIN	36.0	35.0	37.0	35.0	7-02	250-1000	0.70
UPPER TURNING BASIN	19.0	23.0	19.0	18.0	7-03	150	0.23
A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.							
B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.							
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11332

NM 47/03

SABINE PASS CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
SABINE BANK CHANNEL	40	45	40	38	7-03	800	12.8
OUTER BAR CHANNEL	35	42	38	38	7-03	800	3.0
JETTY CHANNEL	36	42	42	31	7-03	800-500	3.5
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11341

NM 47/03

SABINE PASS CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
SABINE BANK CHANNEL	40	45	40	38	7-03	800	12.8
OUTER BAR CHANNEL	35	42	38	38	7-03	800	3.0
JETTY CHANNEL	36	42	42	31	7-03	800-500	3.5
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

SECTION I

NM 47/03

Chart 11342

NM 47/03

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE PASS:								
OUTER BAR CHANNEL	35	42	38	38	7-03	800	3.0	42
JETTY CHANNEL	36	42	42	31	7-03	800-500	3.5	40
PASS CHANNEL	24	28	41	27	7-03	500-1150	4.9	40
ANCHORAGE BASIN	33	21	11	1	2-03	1500	0.5	40
PORT ARTHUR SHIP CANAL	36	42	40	36	6-03	500	4.8	40
JUNCTION PORT ARTHUR-								
SABINE NECHES CANALS	35	39	37	36	7-03	400-1200	1.1	40
ENTRANCE TO PORT ARTHUR								
TURNING BASINS	38	40	40	38	7-03	282-735	0.2	40
EAST TURNING BASIN	40	41	41	40	7-03	370-547	0.3	40
WEST TURNING BASIN	40	40	41	40	7-03	350-735	0.3	40
CHANNEL CONNECTING								
WEST BASIN AND								
TAYLOR BAYOU TURNING BASIN	39	42	42	40	7-03	200-350	0.5	40
TAYLOR BAYOU TURNING BASIN	35	39	40	34	7-03	90-1233	0.6	40
SABINE-NECHES CANAL:								
PORT ARTHUR TO NECHES RIVER	28	37	35	28	7-03	400	9.6	40
NECHES RIVER TO SABINE RIVER	24	26	27	25	7-03	200	3.9	30
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11343

NM 47/03

SABINE AND NECHES RIVERS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE-NECHES CANAL :								
PORT ARTHUR TO NECHES RIVER	28	37	35	28	7-03	400	9.6	40
NECHES RIVER TO SABINE RIVER	24	26	27	25	7-03	200	3.9	30
NECHES RIVER:								
MOUTH TO SMITH BLUFF	34	37	35	33	7-03	400	8.3	40
TURNING BASIN AT DEER BAYOU	43	42	42	41	7-03	700	0.2	40
TURNING BASIN AT SMITHS BLUFF	38	38	35	34	7-03	1400-400	0.2	40
SMITH BLUFF TO BEAUMONT	33	39	37	30	7-03	400	7.5	40
TURNING BASIN (30°02'12"N, 94°01'58"W)	36	39	40	37	7-03	400-1306	0.2	40
CHANNEL EXTENSION	34	36	34	28	4-03	350	0.2	36
MANEUVERING AREA (30°04'44"N, 94°05'06"W)	32	39	38	32	7-03	400-1000	0.6	40
BEAUMONT TURNING BASIN	37	35	36	30	4-03	400-535	0.2	34
TURNING BASIN EXTENSION	34	33	33	25	7-03	300	0.2	34
THENCE TO TRINITY INDUSTRIES	18	22	23	16	4-03	200	0.6	30
SABINE RIVER:								
MOUTH TO ORANGE MUNICIPAL SLIP	26	29	30	27	7-03	200	6.6	30
ORANGE TURNING BASIN	28	31	31	31	7-03	200-1400	0.6	30
ORANGE MUNICIPAL SLIP	24	30	26	20	9-02	150-200	0.5	30
ORANGE MUNICIPAL SLIP TO OLD HIGHWAY BRIDGE SITE	27	29	32	29	12-02	200	2.2	30
CHANNEL AROUND ORANGE HARBOR ISLAND	13	16	20	18	9-02	150-200	1.6	25
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 47/03

Chart 11344

NM 47/03

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	16.0	34.0	34.0	23.0	7-8-03	800 19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	30.0	45.0	47.0	47.0	6-03	400 1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	19.0	38.0	40.0	35.0	6-03	400 6.0 40

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

Chart 11347 (Side A)

NM 47/03

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	16.0	34.0	34.0	23.0	7-8-03	800 19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	30.0	45.0	47.0	47.0	6-03	400 1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	19.0	38.0	40.0	35.0	6-03	400 6.0 40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	29.0	36.0	38.0	33.0	6-03	400 6.0 40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	32.0	37.0	36.0	26.0	8-03	400 6.0 40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	30.0	36.0	33.0	28.0	6,7-8-03	400 5.0 40
THENCE TO 210 BRIDGE	34.0	37.0	35.0	31.0	6-03	400 4.4 40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	35.0	38.0	36.0	29.0	6-03	400 2.0 40

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

Chart 11347 (Side B)

NM 47/03

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	16.0	34.0	34.0	23.0	7-8-03	800 19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	30.0	45.0	47.0	47.0	6-03	400 1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	19.0	38.0	40.0	35.0	6-03	400 6.0 40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	29.0	36.0	38.0	33.0	6-03	400 6.0 40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	32.0	37.0	36.0	26.0	8-03	400 6.0 40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	30.0	36.0	33.0	28.0	6,7-8-03	400 5.0 40
THENCE TO 210 BRIDGE	34.0	37.0	35.0	31.0	6-03	400 4.4 40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	35.0	38.0	36.0	29.0	6-03	400 2.0 40

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

SECTION I

NM 47/03

Chart 11363

NM 47/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003				
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)
LT. BUOY 1 (29°25'27"N, 88°59'31"W)				
TO LT. BUOY 20	38.0	36.0	34.0	600
THENCE TO END OF JETTY				
OPPOSITE LIGHT 62	28.0	33.0	26.0	500
THENCE TO INTERSECTION WITH				
G. I. W. W.	24.0	31.0	21.0	500
THENCE TO INNER HARBOR				
NAVIGATION CANAL	26.0	28.0	30.0	500
				12-02; 1,2,5,6,7-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE				

Chart 97274

NM 47/03

CAUTION
Depths in channel may be up to 2.6 meters less than charted.

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	45/02	11305	1	N36,N46/02;N1,N6,N7, N32/03	11365	17	52/02*;9,32,34/03	11469	5	35,50/02;7,9,12,21,23,31, 40/03
20	3	18/03	11307	36	22,24,27,35/03	11366	7	48*,51/02;5,6,7,8,19,21, 23,24,26,27,29,30,34,35, 37/03	11470	36	10*,12,40/03
22	1	18/03	11308	22	3*,7,10,23,25,32/03	11367	32	38*,45,46/03	11472	31	8*,25,40/03
50	6	32*,34,40/03	11309	36	36,46/02;1,6,7,22,24,25, 32/03	11368	22	38*,21*,19,21,23,30,33, 34,35,45,46/03	11474	10	6,17/03
53	2	34/03	11310	1	N46/02;N22,N23,N32/03	11369	44	9*,18,19,21,27,43/03	11475	16	51/02;13/03
70	4	7,34/03	11311	23	46/02,26/03	11370	24	38*,03*	11476	19	6,34/03
71	4	7,34/03	11312	3	36,46/02;1,6,7,22,23, 32/03	11371	36	35/03*	11478	20	32/03*
73	4	34/03				11372	30	2*,7,8,10,19,23,24,26,27, 31,42,44/03	11479	4	N35,N50/02;N6,N23, N25,N31,N34,N40/03
101	3	48/02	11313	22	22,27,36/03	11373	42	33,37,40,41,42,45,49/02; 7,9,19,20,21,23,24,25,26, 27,29,34,36,38,42,44/03	11480	38	30/03*
103	5	16/03	11314	22	17*,21,22,32/03	11374	31	45*,49,50/02;1,2,7,8,9, 19,20,23,24,26,27,29,34, 36,38/03	11481	4	42*,49/02;6,12,13,19,28, 34/03
108	9	35/02;34,39/03	11315	30	37/02*	11375	35	1*,2,5,7,9,20,23,24,27, 29,47/03	11484	21	34/03
120	6	39/03	11316	39	17*,22,26,29,34/03	11376	48	40,43,50/02;2,7,19,20,21, 22,23,24,25,26,30,36,37, 38,44/03	11485	33	22/03*
124	10	18,34,39/03	11317	29	37,40,49/02;16,19,20,21, 23,26,29,30,34/03	11377	5	38*,44/03	11486	15	36/03*
125	7	21/03	11318	1	N46/02;N6,N24,N25, N44/03	11378	32	11*,12,18,20,21,22,24, 26,30,38/03	11488	24	7,17/03
126	39	21/03	11319	31	17*,19,20,25,26,29,30, 34/03	11379	35	1*,2,5,7,9,20,23,24,27, 29,47/03	11489	34	8*,12,20,22,31/03
145	16	39/03	11320	1	N22,N23,N24/03	11380	48	40,43,50/02;2,7,19,20,21, 22,23,24,25,26,30,36,37, 38,44/03	11491	33	34,37,38/02;12,30,34/03
200	3	37/03	11321	29	39,40,41,45/02;23,31, 44/03	11381	5	38*,44/03	11493	9	N39/02;N12,N20,N22, N31/03
301	1	14,21,24/03	11322	28	19*,20,23,30,34,35,42, 47/03	11382	39	46/02*,9,25,26,37/03	11494	8	N39/02;N22/03
302	1	2/03	11323	60	47/03*	11383	49	9,18,26,30,37/03	11496	9	N35/02;N1,N17,N19, N34/03
310	20	2,14,21,24/03	11324	33	47/03*	11384	33	30/03*	11502	28	14,17,20,22/03
400	3	33,35,45/02;29,33,34/03	11325	35	26*,38,42,47/03	11385	16	24,34/03	11503	39	38*,39,43/02;12,14,17, 20,22,31/03
401	5	33,35,45/02;14,29,33,34, 44/03	11326	31	7*,9,16,20,21,22,23,24, 30,31,33,35,38,45,46/03	11386	32	33,37,40,41,42,45,49/02;	11504	15	12,22/03
411	49	19*,22,23,24,25,26,29, 30,31,33,44/03	11327	31	46/03*	11387	39	46/02*,9,25,26,37/03	11505	1	34,40,49/02;1,4,5,11,22, 34,43/03
500	8	32*,34,41/03	11328	23	43/03*	11388	29	9,18,26,30,37/03	11506	40	10*,19,22,28,34,43/03
501	12	9*,10,18,21,22,24,40, 41/03	11329	34	36,37,39,47,49/02;1,4,8, 10,16,21,22,30,36,38, 42/03	11389	22	33,34/02;7,21,32/03	11507	31	9*,12,20/03
502	2	52/02;40,44/03	11330	14	2*,4,6,7,8,17,19,20,21, 22,23,27,30,31,34,35,36, 38,45,46/03	11390	22	33,34,37/02;7,21,30, 32/03	11508	21	10/03*
507	2	45/02	11331	18	8,19,23,30,34/03	11391	22	33,34/02;7,21,32/03	11509	27	1,11,24/03
508	2	45/02	11332	28	42*,43,49,51/02;6,17,19, 20,23,25,31,34,35,37, 47/03	11392	6	34/02;21,32/03	11510	18	34/02
510	3	40/03	11333	1	N35/03	11393	20	30,35,42/03	11511	16	11/03
513	6	38/02;34/03	11340	68	37*,38,45,46/03	11394	34	39/02;4,9,11,12,13/03	11512	59	10*,11,15,20,22,24,34, 43/03
520	127	38/02;34,40,41/03	11341	39	14*,17,21,22,23,25,31, 34,37,38,47/03	11395	29	7/03	11513	23	49/02;1,24/03
521	11	34/03	11342	52	27*,29,31,34,35,42,46, 47/03	11396	21	30*,34/03	11514	26	37*,40,49/02;4,5,15,22, 24,34,43/03
523	8	34/03	11343	36	37,40,49/02;4,8,17,19,20, 23,30,34,35,47/03	11397	18	14,25/03	11515	30	43/03*
524	12	47/02;34/03	11344	35	9*,19,22,23,26,27,29,31, 34,38,43,46,47/03	11398	28	3/03*	11517	17	24/03
525	3	40/03	11345	31	9*,38/03	11399	28	32/03*	11518	33	14*,19,28/03
526	10	47/02;6/03	11346	33	42*,43,47,49,51/02;4,6,7,8, 19,20,21,23,25,26,27,29, 31,32,43,47/03	11400	29	1/03*	11519	12	28/03*
530	30	37,38,40,52/02;6,10,18, 21,22,24,34,40,41,44/03	11347	20	43*,47/03	11401	27	7/03	11520	41	38*,39/03
531	21	47,52/02;21,24,32,34, 41/03	11348	60	37*,38,45,46/03	11402	21	50/02;9,19,27/03	11521	26	35/02;9,19,24,28,34, 39/03
532	17	38/02;34/03	11349	39	14*,17,21,22,23,25,31, 34,37,38,47/03	11403	41	42*,45/02;1,6,7,11,12,13, 14,20/03	11522	19	39/03
540	16	51/02;16,30/03	11350	52	27*,29,31,34,35,42,46, 47/03	11404	5	42*,45/02;1,2,7,14,20/03	11523	21	35,52/02;5,9,19,24,28, 34/03
541	2	6/03	11351	25	43/03*	11405	39	38/03*	11524	46	8*,11,12,13,15,17,19,20, 22,28,34,43/03
550	7	45/02;6/03	11352	38	20*,22,23,25,27,30,31, 34/03	11406	18	14,25/03	11525	6	N39,N40,N44,N46, N51/02;N4,N6,N8,N24, N39/03
600	5	45/03	11353	2	35,38,43,45,49/02;4,6,7,8, 19,20,21,23,25,26,27,29, 31,32,43,47/03	11407	34	46*,49/02;4,25/03	11526	10	20/03*
601	4	6,8,27,38/03	11354	24	26*,31,34/03	11408	33	2/03*	11527	16	37/02;20/03
602	6	47/02;6,38/03	11355	25	38*,42,51/02;23,26,27, 31,36/03	11409	28	38/03*	11531	21	11,39/03
603	6	47/02;10/03	11356	35	9*,19,22,23,26,27,29,31, 34,38,43,46,47/03	11410	27	17/03*	11532	20	37/02;39,43/03
604	5	38/03	11357	36	38/03*	11411	25	41/03*	11534	32	17*,36,45/03
605	4	6/03	11358	42	41/03*	11412	31	18*,21,22,25/03	11535	12	46/02;39/03
606	1	17/03	11359	11	39/02	11413	13	N39,N42/02;N4,N8,N15, N21,N22,N25/03	11536	16	38/03*
607	1	17,45/03	11360	40	1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37, 38/03	11414	18	14,25/03	11537	34	21*,23,26,35,36,43,45, 47/03
622	9	47/02;6/03	11361	70	21*,23,24,25,26,30,31, 35/03	11415	25	6,7,15,22/03	11538	18	39,44,51/02;6/03
623	9	47/02;19,36/03	11362	4	N33,N36,N39,N40, N47/02;N2,N5,N6,N8, N19,N23,N24,N25,N26,	11416	34	38*,39/03	11541	33	8*,9,14,22,35,39/03
632	8	45/02	11363	25	38/03*	11417	30	7,15,39/03	11542	15	39/02
702	5	7/03	11364	35	38/03*	11418	30	36/02;7,15,20/03	11543	22	39/02;8,38/03
703	4	46/02;7,44/03	11365	38	20*,22,23,25,27,30,31, 34/03	11419	35	38/02*,20/03	11544	37	36/02*,8/03
705	3	46,52/02	11366	40	1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37, 38/03	11420	31	20*,22,25/03	11545	60	45*,47/02;6,8,14,22,23, 24,35,38,39,43/03
706	4	44/03	11367	36	38/03*	11421	14	7/03	11546	35	37,47/02;6,8,14,22,23, 38,39,43/03
707	2	34,44/03	11368	11	38/03	11422	34	38*,39/03	11547	35	10*,33/03
708	3	34,36/03	11369	2	35,38,43,45,49/02;4,5,7, 18,20,21,26,27,31,34,43, 45/03	11423	30	7,15,25,39/03	11548	38	47/02*
709	2	50/02;19,25/03	11370	24	22,25/03	11424	34	38*,39/03	11549	28	17/03*
1113A		20*,21,22,25/03	11371	11	38/02;4,9,11,12,13/03	11425	30	7,15,39/03	11550	28	8/03*
1114A		39/02;4,9,11,12,13/03	11372	25	38/03*	11426	24	22,25/03	11551	38	36/02*,7,24/03
1115A		1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37, 38/03	11373	35	38/03*	11427	33	36/02*,7,24/03	11552	38	36/02*,7,24/03
1116A		37*,38,45,46/03	11374	36	38/03*	11428	32	52/02*,6/03	11553	28	8/03*
1117A		28*,30,31,32,34,35,36, 44,45/03	11375	42	41/03*	11429	21	47/02*	11554	38	36/02*,8/03
11004	7	37,39,40,42,43,45,47, 51/02;5,6,7,8,9,14,18,21, 22,23,24,25,26,27,29,30, 32,34,36,37,38,44/03	11376	40	1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37, 38/03	11430	38	36*,50/02;6,13,15,21,23, 25,31,34,39,40/03	11555	38	36/02*,7,24/03
11006	31	47/03*	11377	70	21*,23,24,25,26,30,31, 35/03	11431	5	7,15,25,39/03	11556	38	36/02*,7,24/03
11009	36	35,44,51/02;6,12,19, 39/03	11378	4	N33,N36,N39,N40, N47/02;N2,N5,N6,N8, N19,N23,N24,N25,N26,	11432	17	24/03*	11557	38	36/02*,7,24/03
11013	45	38*,40/03									

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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.
12211	41	10/03*	12368	26	42/02*;24,25/03	13313	19	41,49,52/02;6,9,36/03	14217		N43/03*
12214	44	14*,19/03	12369	25	44/02*;32,35,36,43/03	13315	11	49/02	14218		N39/03*
12216	27	47/02*;19/03	12370	18	39/02*	13316	22	28/03*	14219		N40/03*
12221	74	35*,41,45/03	12371	23	27/03*	13318	18	38*,41,52/02;5,6,21/03	14220		N39/03*
12222	44	26*,28,33,34,41/03	12372	31	45*,47,48/02;2,5,6,23,25, 36,45/03	13321	9	20/03*	14221	26	40,46/02
12224	23	8*,33,45/03	12373	14	2/03	13323	7	5/03	14222	16	40/03**
12225	54	22*,33/03	12377	14	37/02	13324	13	41,52/02;2/03	14223	18	38/03**
12226	16	7/03	12378	14	2,13,23/03	13325	14	2,29/03	14224		N39/03*
12228	29	43/02*	12401	7	47/02*;2,13,33,41/03	13326	12	41,43/02	14225	17	39/03**
12230	60	30*,34,42/03	12402	8	33,47/02*;13,34,41/03	13329	2	6/03	14226	32	39/03**
12231	26	35,46/02*;7,30/03	13000		N48,N49/02;N21,N26, N29/03	13394	3	39/02*;9,21,42/03	14227	28	39/03**
12233	35	3*,4,5,6,14,34,45/03	13003	47	36*,39,44,45/03	13396	4	9,19,21/03	14228	11	39/03**
12235	29	47/02*;4,6,7,17,33/03	13006	31	36*,39,44,45/03	13398	3	36/02	14229		N39/03*
12237	26	47/02*;17,25,34/03	13009	30	42*,48,49/02;1,9,18,23, 36,39,44,45/03	14002	57	32,34,36,37,42/03	14240	6	43/03**
12238	37	46/02*;1,4,7,19,25,34/03	13200	33	37,48/02*;7,9,18,36,39,44, 45/03	14003	6	48,49/02*;5,9,12,29,39/03	14241	23	39/03**
12241	21	34,44/02*;7,34/03	13201	10	N37,N48/02;N9,N18, N36,N39,N44,N45/03	14007		N38/03*	14242	13	40/03**
12245	62	30*,33,34/03	13203	12	37/02	14008	76	38/03**	14243	8	39/03**
12248	40	44/03*	13205	36	37,42,45,48/02;1,5,23/03	14010	5	35/02*;26,32/03	14244	5	39/03**
12251	23	35/02*;4,6,7,15,26/03	13209	23	37/02*;23/03	14024	5	33,36,39/02;12,22,36, 47/03	14245	4	39/03**
12252	23	33,34/02*;4,7,10,15,17,30, 35,45/03	13210	12	37/02	14040	65	40/02*;34/03	14246	6	39/03**
12253	43	35/03*	13204	12	44/03	14041	12	34,36,42/03	14247		N39/03*
12254	43	38*,43,44/02;30,34/03	13205	36	37,42,45,48/02;1,5,23/03	14042	3	34,42/03	14248		N40/03*
12255	15	44/02*;30,34/03	13209	23	37/02*;23/03	14043	7	21,26/03	14249		N39/03*
12256	13	33,44/02*;24,30,34/03	13211	13	47/02*;45/03	14044	44	6,47/03	14250		N40/03*
12261	28	37*,44/02*;7,18,22/03	13212	35	9*,13,36/03	14046	2	47/03	14251		N40/03*
12263	52	35*,42,44/03	13213	40	14*,25,36/03	14061	27	6,9/03	14252		N40/03*
12264	28	38/02*;7,42,44/03	13214	27	34*,45,48/02*;5/03	14062	17	32,36/03	14253		N40/03*
12266	27	20,30/03	13215	17	45,48/02*;1,5/03	14066	19	6,34,42,47/03	14254		N40/03*
12270	32	9*,18,24,25,33,42/03	13216	1	N48/02	14067	11	6/03	14259	3	40/03**
12272	29	36,45/02*;13,16,30,33, 38/03	13218	38	42,45,51/02*;5,46/03	14081	21	36,47/03	14260	47	39/03**
12273	54	47/03*	13221	53	44,51/02*;2,5,7,27,46/03	14083	30	33/02	14263	15	40/03**
12274	33	37*,50/02*;5,15,17,30, 33/03	13223	36	52/02*;2,46/03	14087	58	33/02	14264	4	40/03**
12277	32	35/03*	13224	36	44/02*;5,27/03	14088	10	41/02*;34/03	14280	37	40/03**
12278	72	36,45/02*;19,25,30,33, 38/03	13226	5	44/02*;6,7/03	14089	29	41/02*;34/03	14310	2	40/03**
12280	3	37*,43,45,46,47,50, 52/02*;1,6,7,18,28,33,38, 44,45/03	13227	13	7/03	14090	2	33/02	14328	6	47/03
12281	49	12,19,25,38,44/03	13228	11	51,52/02	14091	6	41/02*	14329	5	32,47/03
12282	34	43/03*	13229	27	38/03	14105	19	47/03	14340	25	33,37,40,52/02;12,22, 30/03
12283	24	8,18,25/03	13230	27	39,42,45,52/02*;1,7,19/03	14110	42	32,44/03	14341	5	12,34,47/03
12284	15	7,42/03	13233	16	10,39/03	14111	7	14,32,34,42,44/03	14342	20	52/02*;30/03
12285	35	11*,14,19,22,34,36,45/03	13236	29	45/02*;1,7,19/03	14115	2	47/03	14344	2	37,40/02
12286	29	2*,4,6,42/03	13237	39	27*,39/03	14141	17	47/03	14349	7	42,47/03
12289	48	10*,19,22/03	13241	15	34,42/02	14143		N38/03*	14353	3	42/03
12300	43	19*,39,44/03	13244	39	48/02*;7,32/03	14144	29	38/03**	14354	2	32,42/03
12301	21	N37,N39,N42,N45/02*; N5,N17,N39,N44/03	13246	37	36*,42/03	14145	2	47/03	14357		N52/02
12304	43	21*,26/03	13249	12	22/03*	14146	2	32/03	14358		N36/02;N34,N47/03
12311	42	38/03*	13253	18	3*,8/03	14151	2	37/02*;32,34,38/03	14360	36	33,36/02;47/03
12312	52	10*,15,24,32/03	13260	39	36*,39,42,45/03	14168		N37/03	14373	2	34/03
12313	49	35*,43/03	13263	7	N36,N43,N48,N49/02*; N1,N7,N9,N18,NP21, N23,N26,N29,N36,N39, N45/03	14169	2	32,38,42/03	14386	3	36/02
12314	30	46*,50/02*;5,25,33,35/03	13264	103	36,49/02*;9,P21,26,29,39, 42/03	14173	2	38/03*	14404	4	47/03
12316	29	2*,6,32/03	13267	31	47/03*	14177		N40/03*	14415	4	33/02*;36/03
12317	31	37,50/02	13270	59	33,34,40,43/02*;1,2,7, 12/03	14178		N40/03*	14420	27	40/03**
12318	41	9*,32,44/03	13272	47	40/02*;8,25,35/03	14181	3	43/03**	14500	27	52/02*
12323	23	40/02*;4/03	13274	25	43/03*	14184		N38/03*	14758		N32/03
12324	30	2*,8/03	13275	28	45/03*	14185	2	40/03**	14773	16	26/03
12326	49	35/03*	13276	22	36/03*	14186	2	40/03**	14774	16	15/03
12327	96	1*,2,8,12,13,14,16,18,19, 23,29,33,34,36,41/03	13278	25	1,9,32,39/03	14187	2	38/03**	14782	24	47/03
12331	30	8*,13,14,18,33/03	13279	30	20*,32,39/03	14188	1	42/03	14784	19	47/03
12332	21	43,46/02*;13,18/03	13282	11	21*,39/03	14190	2	37,42/03	14803	26	5/03
12333	33	44/03*	13283	18	1,9/03	14191		N38/03*	14804	24	5/03
12334	66	30*,34,36/03	13285	10	20/03	14192		N38/03*	14813	21	2/03*
12335	40	47/03*	13286	29	39*,40,50/02*;1,9/03	14193		N38/03*	14815	22	43/03
12337	22	45/02*;13,18/03	13288	40	36,43,50,51/02*;29,42,44, 45/03	14195		N42/03*	14816	23	5/03
12338	9	21/03*	13290	35	39*,42,44/03	14196		N38/03*	14820	19	11/03*
12339	43	23/03	13292	36	36,40/02*;7,16,29,42, 44/03	14197		N38/03*	14822	31	10/03*
12341	26	36/03*	13293	33	43,51/02*;14,27/03	14200	2	38/03**	14823	30	1/03*
12343	18	37/02*;7,21,27/03	13295	11	2*,14/03	14201	15	38/03**	14826	27	4/03*
12345	10	42/02*;21/03	13296	25	43/02*;27/03	14203	12	42/03**	14830	30	31*,34,47/03
12347	29	27,29,35/03	13298	10	43,52/02	14204	21	38/03**	14832	34	52/02*
12348	33	27,29,34/03	13301	20	33,51/02*;23,42,45/03	14205	7	38/03**	14833	25	43/03
12350	57	39*,49/02*;29/03	13302	21	41/02*;2,7,9,32,42,45/03	14206	20	43/03**	14836	27	42/02*
12352	30	46/03*	13303	12	48/02*;7,9/03	14208	28	38/03**	14837	27	3/03
12353	17	39/03	13305	28	40,41,49/02*;2,7,9,36, 44/03	14209		N38/03*	14838	3	52/02*
12354	40	38/03*	13307	10	23,28,44/03	14211		N40/03*	14839	36	9*,43/03
12358	19	46*,49/02*;1,7,10/03	13308	11	40/02	14212		N38/03*	14842	13	46/03*
12362	16	49/02	13309	28	42/02*;9,32/03	14213		N39/03*	14843	22	39,51/02*;43/03
12363	39	44/02*;6,23,27,32,36/03	13310	10	23,28,44/03	14214		N39/03*	14844	31	4/03
12364	34	20*,23,25,27,32,36,39/03	13312	11	40/02	14215		N39/03*	14845	26	4/03
12365	26	6,23/03	13312	21	10/03*	14216		N39*,N44/03	14851	14	26/03*
12366	27	51/02*;20,27/03				14216		13	17/03		

SECTION I

NM 47/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
14864	26	37/02	16440	13	37/02	17429	2	N38/02*	18423	33	1*,5,7,9,15,18,30,32,34, 36,38,39,43,45,47/03
14865	16	4/03	16441	7	37/02	17430	10	5,36/03	18424	25	7,45/03
14867	26	39/03*	16442	7	41/03*	17434	11	5,36,43/03	18427	21	35/02*,7,19,45/03
14871	2	34/03	16480	10	38/02;34/03	17435	16	40/03	18429	9	3*,22/03
14873	2	35/02	16500	9	9,33/03	17436	6	20/03	18430	7	6,7,22/03
14880	30	33/02;4/03	16520	21	2,31,33/03	17437	8	21/03	18431	6	2/03*
14881	31	33/02	16528	16	9,33/03	17438	12	50/02;10,14,15,21,36/03	18432	5	14/03*
14885	20	51/02	16529	14	50/02;9,33/03	17441	7	10,15/03	18433	5	2*,22,32,36/03
14886	11	41/03*	16530	6	50/02;33/03	17443	12	10/03	18434	4	P44,48/02;6,9/03
14901	14	52/02*,5/03	16535	12	2,21,31/03	17445	2	10,14,36/03	18440	26	3*,15,18,22,28,30,32,34, 38,45,47/03
14902	28	4/03	16549	15	41/03*	17446	10	N3	18441	43	39*,45,47/03
14903	23	31/03*	16553	3	17/03	17460		N5,N36/03	18443	15	39/02;6,34/03
14904	26	40/03*	16556	4	8/03*	17465	4	6,12/03	18444	15	39/02;34/03
14905	30	45/03*	16561	1	29,35,44/03	17470		N23,N41/03	18445	29	33,39/02;6,7,9,10,15,18, 22,25,28,34,36,38,42,45, 47/03
14906	23	5/03	16566	10	29,44/03	17471		N6,N47/03*	18446	16	47/03*
14910	23	17/03*	16568	12	39/02*	17472	4	5,14,36,41/03	18447	26	52/02;6,7,10,18,47/03
14911	20	4/03	16575	1	39/02	17480	4	43/02,5,10,36/03	18448	32	33/02;10,15,22,34,36, 45/03
14912	17	31/03*	16576	4	47/03*	17482		N7,N14,N41/03	18449	17	7,34,44/03
14913	18	31/03*	16580	11	39/02	17483		N41/03	18450	17	9*,44/03
14915	25	28/03*	16590	10	38/02*	17484	3	41/03	18452	16	34,38/03
14916	10	45/02*,17/03	16592	9	16/03	17485	4	41/03	18453	24	14*,25,36,38,42/03
14917	23	3/03	16593	11	14/03*	17489	19	43/02	18455	2	N39/02;N15,N34,N38/03
14918	26	17/03	16594	13	2/03	17495	2	43/02	18458	15	19*,28,34,38/03
14922	19	51/02;9/03	16595	14	2/03	17503	4	43/02	18459	5	N39/02;N9,N15,N28, N34,N38/03
14924	27	5/03	16596	12	39/02*	17513		N42,N43/02;N15/03	18460	11	2*,6,7,43/03
14926	10	32*,47/03	16597	8	43/02	17515	7	6,15,16,36,43/03	18464	23	24*,30/03
14927	24	35,37/02;47/03	16598	9	43/02	17517	8	6,15,16,34/03	18465	35	2*,15,30/03
14928	21	4/03*	16599	6	43/02	17518	7	P44,48/02;16,18,20,41, 47/03	18468	17	7/03
14929	24	14/03*	16603	7	42/02;6/03	17523		N12,N15/03	18471	9	36/03*
14930	24	45/02	16606	11	37/02*,21/03	17524		N15,N43/03	18473	7	4*,18,19,34,38,45,47/03
14931	24	35/02*	16608	4	46/03*	17525		N15/03	18474	7	45/02*,7,10,15,22,25,34, 36,38,45/03
14932	23	26/03*	16640	24	21/03	17526		N15/03	18475	1	35/03
14933	24	35*,37/02	16644	12	8/03	17528		N43/02;N6,N12/03	18476	4	39/02;7,9,28,34,38/03
14934	27	17*,26/03	16660	28	42/02;6,16,47/03	17541	3	43/02	18477	5	7/03
14937	24	52/02*,21/03	16663	6	42/02;6,16,47/03	17542	6	47/02	18480	29	2*,6,7,43/03
14942	25	35/02	16665	7	42/02;6,16,47/03	17543	17	41/02;43/03	18484	10	40/02;15,29/03
14961	11	47/03	16680	10	6,32,37/03	17545	13	43,47/02;43/03	18485	15	2*,10,29/03
14963	20	51/02	16681	10	37/02*	17546	22	42,43,47/02;24,34,35, 43/03	18500	28	39/02;12,22,28/03
14965	21	11/03*	16682	15	8*,17,19,37/03	17548	28	16,43/03	18502	84	39,42,49/02;9,21,28,29, 42,47/03
14966	25	14*,21/03	16683	9	3,16,32,32/03	17549	6	47/02;15/03	18504	65	19*,35/03
14967	22	5/03	16700	28	40*,43/03	17550	4	42,43,P44,45,47,48, 52/02;43/03	18520	24	33,39/02;22/03
14970	25	40,46,51/02	16701	19	37/03*	17554	8	45/02;6,10,21,36,44/03	18521	69	34*,39,49/02;4,10,12,21, 22,24,29/03
14973	27	15/03*	16702	11	37/03*	17556	31	33,34,37,38,39,40,47, 52/02;18,22,24,26,35, 41/03	18523	53	33/02;4,12/03
14975	33	52/02*,43/03	16705	19	49/02;16,43/03	17557		N33,N34,N37,N38,N39, N40,N47,N52/02;N18, N22,N24,N26,N35,N37, N41/03	18524	33	33/02;4,6,10,24,29,47/03
14983	9	46/03*	16707	10	34,37/02;16,20/03	17558		N45/02;N2,N6,N10,N21, N36,N44/03	18525	33	33/02;4,9,29/03
14985	9	41/03*	16708	25	37,49/02;16,20/03	18003	19	22*,41,43/03	18526	55	33/02;4,18,29/03
14986	9	46/03*	16709	22	49/02	18005	4	N34/02;N6,N10,N13, N21,N26,N40/03	18528	10	52/02*,18/03
14988	10	41/03*	16712	1	16/03	18006	3	N6/03	18529	10	52/02*
14995	11	52/02*	16713	2	49/02	18007	31	33,34,37,38,39,40,47, 52/02;18,22,24,26,35, 41/03	18531	20	34/02;9,10/03
15043	3	34,47/03	16741	9	46/02	18008	7	N33,N34,N37,N38,N39, N40,N47,N52/02;N18, N22,N24,N26,N35,N37, N41/03	18532	20	10/03
15044	3	34,47/03	16760	10	51/02;28/03	18009	2	N34/02;N6,N13,N26, N40/03	18548	5	8/03*
15046	4	47/03	16761	16	28/03	18010	20	33,34,37,38,39,40/02;6, 13,26,33,40,47/03	18558	37	39/02
15066	5	32,47/03	17003	4	47,52/02;24,35,36/03	18020	37	47/03*	18561	11	33,39/02;10/03
15067	2	47/03	17005	10	41,45,47,52/02;24,34,35, 43/03	18022	33	34,37,45/02;6,10,13,21, 25,33,35,36,40,43/03	18580	21	33,38,39/02
15069	4	47/03	17008	12	43/02;36/03	18400	44	41*,43,47/03	18581	17	49/02*,4,36/03
15080	1	47/03	17300	30	52/02*,21,39/03	18401	12	34/03	18583	38	33,42,49/02;12,43/03
15313	1	15/03	17302	18	51/02	18403	21	6,20/03	18584	47	39,49/02;4,6,30/03
15562		N41/02;N16/03	17303	9	37/02	18405	12	43/02;16/03	18587	68	33,39,42/02;4,6,9,10,21, 27,36/03
15569		N23/03	17315	23	2*,16,21,25/03	18406	5	16/03	18588	37	22*,36/03
15570		N14/03	17316	20	3,25/03	18409	8	41/03	18589	15	44/03
15585		N35/03	17318	5	39/03	18411		N16,N20/03	18600	14	33,37,38,40/02;44,47/03
15690		N41/02	17320	15	13,29,34,39/03	18412	10	20/03	18601	13	10/03
15880		N47/03	17323	10	13,22,29,39/03	18413	15	20,22/03	18602	12	26*,47/03
15946		N47/02*	17324	13	39/03	18414	9	20/03	18603	16	9*,10/03
15954		13,36/03	17325	7	29/03	18415	8	42/02;7,22,32,39,47/03	18604	23	35/02*
16003	16	13,17/03	17327	21	46/03*	18416	6	44/03	18622	52	49/02;21,25,27,35/03
16004	11	36/03	17360	33	31*,36/03	18417	11	47/02;12,46/03	18623	11	34/02
16005	9	64/03	17382	15	20*,36/03	18418	6	15/03	18626	15	37/02;10/03
16006	33	6,32,35,36/03	17383	1	49/02;8/03	18419	11	47/02;12,46/03	18640	24	26,38,42/03
16011	35	38/02;8,29,31,32,35,	17384	7	44/02	18420	1	22,47/03	18643	17	26*,33,41,43/03
16012	21	38/02;34/03	17385	14	14/03*	18421	45	2*,18,20,22,32,36,37,39, 45,47/03	18645	24	50/02;33,38/03
16013	28	52/02;21,29,32,34,35,41, 44/03	17400	16	36/02;10,12,44/03				18647	15	2/03*
16016	19	34/03	17401	10	1,36/03				18649	62	33,36,38,41/02;4,6,21,26, 33,38,43/03
16042	7	39/02*	17405	14	12,25,46/03				18650	52	47/03*
16061	8	37,49/02;13,17/03	17406	6	25/03				18651	42	15/03*
16200	13	36/03	17409	10	39/02*,44/03				18652	32	36*,40,43,46/03
16206	7	46/03	17413	2	43,50/02;10,44/03						
16220	5	36/03	17414	3	41/02						
16300	8	52/02;3,8/03	17416	3	10,14/03						
16305	9	8/03	17420	26	36,37,42,43,50/02;1,10, 12,14,20,36/03						
16322	7	8,46/03	17422	8	52/02*						
16363	12	38/02*	17426	13	37/02;1,16,20/03						
16381	8	8,25/03	17427	7	21,36/03						
16402	10	46/03*	17428	7	5,36,43/03</td						

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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.
18653	9	36,38,41/02;4,6,21,43/03	19421	7	8/03*	22183	3	32/03	23030	6	38/02;21,22,37,42/03
18654	42	38,49/02;12,16,35,46/03	19441	7	28/03*	22190	2	29/03	23121	7	17,20/03
18655	58	49/02;12,16/03	19442	5	14*,26/03	22205	2	12,18/03	23122	8	33/02
18656	53	19*,21,33,40,43/03	19461	7	10/03*	22221	20	12,31,34/03	23124	3	N17,N20/03
18657	18	4,21,40/03	19483	6	11/03*	22222	1	4,12,31/03	23125	4	17/03
18658	29	4,21,33,40/03	21005	5	45/02;2/03	22225	2	12,18,40/03	23131	7	12,22/03
18659	14	49/02;7,16,21,43/03	21008	62	39,42,43,50/02;1,2,36/03	22233	29	13,18,25,37/03	23141	7	34/02;22,37/03
18660	2	29*,43/03	21011	5	2/03	22250	2	42/02;12,18/03	23142	10	8,37,47/03
18661	27	15*,16,43/03	21014	72	42,50,52/02;2,3,4/03	22251	11	12,28/03	23145	3	37/03
18662	20	7,43,44/03	21017	50	41,50/02;4,5,6,9/03	22259	4	20,24/03	23150	10	37,52/02
18663	5	14*,43/03	21020	42	41/02;5,6,7/03	22263	1	26,37/03	23151	3	12/03
18666	1	21,33/03	21021	3	45/02;13/03	22264	2	42/02;13,18,20,24,26,37, 41/03	23152	3	37/02;12/03
18680	30	6,13,33,35,38,40/03	21023	41	34/02;7,8,9/03	22275	3	42/02;12,18,26/03	23153	8	12,13/03
18685	32	36*,46/03	21033	46	1,16/03	22281	9	12,18/03	24004	36	41,42,46/03
18687	13	8/03*	21036	7	1,16/03	22282	17	12/03	24016	53	39/02
18700	22	40/03*	21120	27	47,50,51,52/02	22283	3	N12/03	24024	46	18,25/03
18703	25	40/03*	21121	18	47/02	22284	7	N10,N38/03	24028	6	48/02
18704	12	37/02	21122	5	47/02	22290	4	18,30/03	24050	11	34,38,49/02;20,31,32, 33/03
18720	31	35/02;4,6,10,12,25/03	21125	13	51,52/02;36/03	22293	15	18,26,37,38/03	24052	15	37,38/02;14,19,21,30,42, 44/03
18721	11	35/02;6,10,39/03	21126	1	50/02	22294	15	12/03	24053	16	19/03
18723	3	6/03	21140	1	45,50/02;12,27,36/03	22305	2	18,24,30,34/03	24055	6	37,49/02;14,19,21,42/03
18724	1	22*,25/03	21141	23	48/02	22311	19	8/03	24057	4	38,49/02;20,30,33,42/03
18725	27	32/03*	21160	1	45/02	22312	2	13,30/03	24058	2	37,38/02;19,22,28,29,30, 42,44/03
18740	40	46*,43/03	21161	19	43,48/02	22313	2	44/02;8,18,38,40/03	24060	2	34/02;17,32/03
18741	18	N45,N50/02;N12,N27, N38/03	21180	1	2,7/03	22314	1	44/02;40/03	24080	5	17/03
18744	30	37/02;35/03	21182	34	39/02	22322	11	33/03**	24091	6	6,21,46/03
18746	34	34/02;5,13,41/03	21200	1	2/03	22331	2	N10,N19,N24/03	24092	14	6/03
18749	38	40/02;5,6,16,21,26,28,31, 39,41/03	21301	13	3,12/03	22335	4	19/03	24100	5	46/03
18751	42	40/02;5,6,16,21,26,28,31, 39,46/03	21401	20	7/03	22342	9	21,29/03	24101	3	37,41/02
18754	17	39*,43/03	21441	27	34,44/02	22343	1	N43/02;N10,N11,N21, N41/03	24102	3	37,41/02
18757	10	13,41/03	21478	3	9,16/03	22344	6	N23/03*	24110	3	35/03
18758	6	35/02*;16,33/03	21482	1	36,46/03	22345	11	42/02;24/03	24130	14	5/03
18760	6	N34,N35,N45,N50/02; N6,N25,N35,N36, N44/03	21510	1	9,16/03	22347	6	N23/03*	24133	6	31/03
18765	15	45,50/02;12,27,46/03	21520	1	29/03	22351	1	N43/02;N12,N35,N41/03	24140	18	41,42,46/03
18766	7	45,50/02;12,27,36/03	21521	14	29/03	22352	6	12,19,24,35/03	24141	4	5/03
18768	4	N45,N50/02;N12,N27, N36,N38/03	21525	19	38/03	22360	2	19/03	24142	43	5,6/03
18772	47	21/03*	21563	3	45/02	22361	2	N10,N30,N32,N33, N34/03	24150	27	41,47/03
18773	39	40*,41/03	21603	9	5,31,36/03	22370	2	15,19,26,30,33,34/03	24151	4	41/03
18774	10	35/02*;10,16/03	21605	7	31/03	22371	5	30,32,33/03	24152	2	41,47/03
19002	9	N37,N51/02;N16,N23, N29,N46/03	21661	12	6/03	22373	1	N50/02;N10,N24,N30, N32,N33,N34/03	24153	6	39,47/03
19004	36	35,37,51/02;23,29,30, 46/03	22004	38	34,36,39,41,43,52/02;16, 29/03	22375	1	N10,N15,N26,N37/03	24155	6	46/03
19007	16	51/02;16,23,29,30,46/03	22008	35	34,36,39,41,43,44,48, 52/02;6,14,17,29,32,38, 47/03	22377	1	N10,N13/03	24161	11	42/02;7,28,32,39,40, 47/03
19008	4	16,23,29,46/03	22012	31	34/02;6,29,32/03	22381	1	N50/02;N10,N30,N32/03	24162	9	42/02;6,7,28,32,39,40,42, 47/03
19009	4	16,23,29,46/03	22032	20	19,40/03	22395	2	42/02;15,19,22,26,30/03	24164	6	39,41,47/03
19010	17	45*,51/02;23,29/03	22036	28	47/02	22401	4	N23*,N30/03	24170	14	5,6,35/03
19013	16	51/02;29,30,46/03	22050	4	12,26/03	22403	1	N45/02	24171	19	5,6,37/03
19016	9	46/03	22052	6	46/02;25,34,43,47/03	22404	15	46/02	24172	4	5,6/03
19019	9	28/03*	22082	4	13,25,38/03	22407	1	N4,N11,N18,N30/03	24180	15	8,40/03
19320	16	35,37,51/02;5,16,23/03	22084	4	42/02;35,37/03	22408	1	N10,N21/03	24202	6	31,35,46/03
19324	22	35/02;5,23/03	22090	2	43/02;4,17/03	22409	4	N45/02;N10,N17,N22/03	24210	14	42/03
19327	10	23,43/03	22100	3	12/03	22410	32	43,44,46/02;19,23,40/03	24220	14	39/03
19330	9	27/03	22101	19	43/02;37/03	22413	3	N45/02;N22/03	24222	3	39/03
19331	7	23,43/03	22102	19	17/03	22417	1	N10,N25/03	24223	33	39/03
19339	1	N35,N49,N51/02;N5, N13,N30,N47/03	22109	3	17/03	22418	2	36,44,46/02;19/03	24233	15	36,43/02
19340	26	35,49,51/02;5,13,29,30, 36,47/03	22111	4	17/03	22420	2	4,11,15,19,30,40/03	24234	3	35/03
19347	17	29/03	22112	3	43/02;17,37/03	22421	4	N43,N44,N46,N50/02; N11,N23,N25,N26, N40/03	24240	5	39/02;7,39,46/03
19348	7	29,43/03	22113	8	12,17/03	22423	3	N11,N25,N27/03	24250	5	39/02;7,39/03
19353	12	27/03	22114	5	42,43/02;17,33,37/03	22424	2	N27/03	24251	23	34,43/02;6,39/03
19357	22	42*,49,51/02;5,13,30,36, 47/03	22117	3	37/03	22425	2	44,46/02	24252	5	39,43/02;6,39/03
19359	10	12,16,47/03	22120	3	34,36,39,41,43,52/02;29, 32/03	22427	1	N43,N44,N46,N50/02; N11,N23,N25,N26, N40/03	24260	5	34/02
19360	1	N37,N51/02	22121	9	47/03	22429	1	N46/02;N10,N14,N17, N19,N27/03	24270	3	17,29/03
19361	7	30/03	22125	1	36/02	22430	6	19/03	24271	14	17,29/03
19362	12	49/02	22126	1	36/02	22433	3	39,47/02;11,14,35/03	24274	2	17,29/03
19366	36	49/02;5/03	22130	2	44/02;14,17,29,32,38/03	22434	2	35/03	24290	3	36,43/02
19367	37	49/02;10/03	22138	2	41,44,48/02;6/03	22436	2	39/02;10,14/03	24291	4	36/02
19369	5	49/02;10,36/03	22140	2	34,36,44/02;25,47/03	22440	1	19/03	24292	4	36/02
19379	1	N51/02;N5,N13,N30, N46/03	22142	2	39,41,43/02;25,40,47/03	22441	31	44/02	24293	6	36/02;37,42,46/03
19380	14	51/02;5,13,30,46/03	22143	4	26*,29/03	22481	35	43,44/02;19/03	24294	22	36/02;37,46/03
19381	8	49,51/02;26/03	22145	2	N41/02;N25/03	22482	16	44,50/02;23/03	24320	4	34,43/02;6,17/03
19382	15	26/03	22160	2	34,39,41,48,52/02;25/03	22492	3	34/03	24321	3	6/03
19383	17	49/02;5/03	22170	3	39/02;6/03	22521	3	12,17,34/03	24322	6	34/02;6,17/03
19387	9	N46/03	22172	8	48/02*;4,6,29/03	22523	3	12,17,34/03	24350	2	51/02;18/03
19388	2	N46/03	22173	36	48/02*;6,17,29/03	22529	3	12,17,35/03	24355	2	51/02;25,37/03
19401	8	10/03*	22180	2	34/02;32/03	22531	2	12,17,35/03	24360	1	25/03
19402	6	9/03*	22181	16	39,41/02;29/03	23010	4	38/02	24370	1	34/02
			22182	6	34/02;14,29/03	23020	4	22/03	24375	2	34/02;38/03

SECTION I

NM 47/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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.
24406	30	2/03	26050	1	34/02;26,47/03	35009	19	40,41,45/02;5,10,14/03	36180	23	36,40,50/02;4,27,44/03
24408	21	36,44,48/02	26060	1	49/02;42/03	35011	2	48/02;1,25/03	36181	18	36,40,50/02;4/03
24410	2	44/02	26068	11	18/03	35036	21	36/02;10,15,27,43/03	36182	6	36,40/02;27/03
24430	5	39/02;8,11,31/03	26081	8	46/02;16,42,43/03	35040	18	45/02;4,8,10,14,21/03	37000	22	47,48/02;14,23,43/03
24431	14	39/02;31/03	26100	4	31/03	35041	8	35/02;4/03	37005	16	41,45,47/02;5,12,13,15, 23,28,29,30/03
24434	4	39/02	26122	30	22/03*	35042	9	44/02;4,14/03	37010	23	41,45,47/02;10,12,13,15, 19,23,27,28,29,30,43/03
24450	3	26,47/03	26125	3	41/03	35044	9	38/02	37025	26	38,51/02;1,24,25,27,31, 33,34,36,38,41,43/03
24453	5	26/03	26127	21	49/02;5/03	35047	5	35/02	37032	2	1,6,25,31,38,42,43,45/03
24454	5	5,26/03	26128	50	49/02;5/03	35060	14	40,41/02;10,14/03	37033	2	47/02;33/03
24460	4	39,47/02;15,29,32,47/03	26129	11	41/03	35080	16	40/02	37034	2	8,14,33,41/03
24461	4	16,38,47/03	26142	10	33/02	35081	15	22,27/03	37041	15	50/02
24462	5	47/02;16,29/03	26210	2	36/02	35082	7	22,27/03	37042	5	41,45/02
24463	6	39/02;12,15,25,26,38/03	26218	2	31/03	35083	8	20/03	37043	17	43/02;43,46/03
24465	6	33,47/02;38/03	26219	5	31/03	35084	15	50/02	37044	16	45/02
24469	1	46,47/02;13/03	26229	11	31/03	35086	5	22/03	37045	11	45/02
24470	4	39,47/02	26230	12	31/03	35088	2	50/02	37046	18	43/02;43,46/03
24471	8	47/02	26240	7	9/03	35099	3	41/02	37050	9	42,46/02;10,12,17/03
24480	1	41,44,45,49/02;24,27, 42/03	26244	3	9/03	35100	14	40,45/02;5,30/03	37060	3	46,50/02;9,13,18,43, 46/03
24482	2	49/02;31/03	26245	16	51/02;15/03	35101	6	41/02	37061	15	36,38/02;5/03
24483	2	49/02	26259	2	51/02	35103	5	41/02	37063	21	36,50/02;43/03
24484	3	49/02;31/03	26261	27	8/03	35120	13	40,45,47/02;5,30/03	37075	3	5,18,43/03
24490	3	25,27/03	26262	3	8/03	35130	3	48,51/02;5/03	37080	3	33,34,38,40,42,44,45,46, 51/02;1,4,7,9,14,15,18, 20,21,22/03
24491	3	27/03	26282	6	22,23,34/03	35135	1	5/03	37081	23	38,43,50/02
24492	20	46/02	26290	1	21/03**	35136	2	48,51/02	37082	9	44,50/02;11/03
24501	3	27/03	26295	1	21*,22,34/03	35141	11	34/02	37084	9	38,40,43/02
24502	6	46/02;27,34,47/03	26300	7	21/03*	35143	7	34/02	37085	8	38,40/02
24504	7	41,45,46/02;42/03	26308	5	21*,22,23,34/03	35144	3	11/03	37086	8	38,50/02;4/03
24508	3	22/03*	26312	2	21/03	35150	3	48/02	37087	7	38,40/02
24509	2	45,50/02;15,25,34,42/03	26316	3	21/03	35155	3	25/03	37088	9	5/03
24510	2	41,45,46,50/02;42/03	26320	5	35/02;7,12,22,23,25,31,	35163	7	44/02	37089	12	4,13/03
24511	2	24,42/03	26329	40/03		35166	4	35/02	37090	8	45,51/02;1,7,9,14,16, 22/03
24512	3	44,46/02;24,25,38,42/03	26323	4	1/03	35167	3	35/02	37095	3	1,7,9,11,14,15,16,20,22, 32,39/03
24513	18	46/02;38,42/03	26327	2	N41/02*:N17/03	35200	7	48,51/02;5,25/03	37104	3	41/02
24517	2	46,49/02;25,40,42/03	27005	4	6,8,9,22,23,34/03	35236	2	38,50/02	37106	4	32/03
25001	7	15/03	27040	5	9/03	35246	2	38,43/02	37110	11	47/02;20,25,31,32,39/03
25017	5	15,25,31,34,39/03	27041	4	50/02	35247	4	50/02	37112	1	47/02
25018	9	15,25,31,34,39/03	27042	21	41,42/03	35255	3	50/02;14/03	37115	2	33,47/02;7,25,31,32, 39/03
25400	1	35,48/02	27060	2	22,23,34/03	35256	2	14/03	37119	2	43/02
25480	1	42,46/02	27080	4	15,22,39/03	35270	2	38,46/02	37120	2	39,42,49,51/02;4,6,21,23, 24,25,26,27,30,32,39,42, 43,44,45/03
25485	45	36/03	27081	6	49/02	35276	3	46/02	37121	11	25/03
25487	2	36/03	27082	6	49,51/02	35277	3	38,46/02	37122	12	48/02;19,31,44,45/03
25524	43	33/02;1,5,20,24,26,32/03	27083	39	28/03	35279	3	38/02	37123	9	49/02;6,20/03
25525	17	1,5,26/03	27084	4	13/03	35299	9	13/03	37125	15	42,49/02;6,9,20/03
25526	2	33/02;24,32/03	27100	2	8,21/03	35301	6	17/03	37126	8	41/02
25527	31	33/02;24,32/03	27102	11	28/03	35302	7	17/03	37127	11	49/02;6,20/03
25528	5	42/02	27120	4	41,43,44/02	35303	7	40/02;17/03	37128	11	25/03
25550	2	21/03	27142	5	9/03	35308	5	10/03	37129	6	39,42,49/02;4,6,20,22, 30,42,45/03
25563	50	33/02;14,18,21/03	27160	2	8,13,35/03	35330	2	38,41/02	37133	4	44/02
25565	7	33/02	27161	4	8,13/03	35350	2	38,41/02	37134	5	38/02;45/03
25566	27	18,30/03	27163	21	49/02;8/03	35402	3	38/02	37136	6	38,46,50,51/02;30/03
25567	16	21/03	27183	8	1,9/03	36005	2	34,36,38,45,46/02;P12,	37137	6	46,48/02;30/03
25570	3	16/03	27186	8	1,9/03	36010	27	38/02;5,15,16,20,23, 43/03	37139	8	1/03
25575	4	35,39/03	28004	1	45/02;8,9,22/03	36015	2	36,46/02;27,44/03	37140	33	35,49,51/02;4,6,16,24,25, 30,32,42,43,44,45/03
25600	47	25,27/03	28006	1	8/03	36040	16	1,15/03	37141	29	36,40,48,51/02;1,4,12,17, 19,24,27,31,45/03
25607	4	39/02	28050	3	34/02;26,42,47/03	36046	5	38/02	37145	23	46,50/02;4/03
25608	21	16,26,34,38/03	28084	4	17/03**	36060	17	38/02;5,8,20,21/03	37147	15	35,36,40/02;1,10,12,16, 17,19,25/03
25613	2	25,27,47/03	28150	3	8/03	36061	5	46/02;20/03	37148	13	35,38/02;4,10,11,27/03
25640	40	15,25,31,34,39/03	28154	2	38/03	36062	11	40*,46/02	37149	10	44/02
25644	13	20/03*	28190	2	41,43,45,46/02;18/03	36098	6	5/03	37150	8	14,19,26,27,32,33,35,37, 39,41,43,46/03
25646	7	N42/02	28196	4	41,43,45/02;18/03	36102	6	13/03	37161	14	34,43/02;1,14,19,24,41, 43,46/03
25649	19	44/03*	28197	4	45/02;18/03	36124	18	16/03	37162	12	21,26,27,30,32,33,35,37, 39,40,41,43,45,46/03
25650	33	25,30,31,39/03	28202	22	41,44/02	36125	7	4,30/03	37163	19	32,43/03
25653	13	8/03*	28210	2	33,35,39,41/02	36137	4	38/02	37164	4	23,26,27,30,32,35,37,43, 46/03
25659	9	20/03*	28220	2	35,39/02	36138	3	39/02;4/03	37165	2	34,36/02;10,12,13,15,21, 23,26,27,28,30,32,34,35, 37,39,43,45/03
25663	27	17,30,39/03	28221	18	33,37,39/02;5/03	36140	12	36,41/02;4,10,27/03	37166	2	14,19,21,26,27,30,32,33, 34,35,37,39,40,41,43,45, 46/03
25664	15	17,30,39/03	28223	4	35,39/02	36141	7	4/03	37167	1	40/02
25666	17	17/03	28260	30	35,37/02	36143	4	34/02;5,30,43/03	37168	10	44/02
25667	20	15/03	28263	3	35,37/02	36161	10	34,44,45,47,50/02;4,10,	37169	4	23,26,27,30,32,33,35,37, 39,40,41,43,45,46/03
25668	18	48/02;13,34/03	28264	3	35,37/02	36162	10	35,45,47,50/02;4,18/03	37170	8	14,19,26,27,32,33,35,37, 39,41,43,46/03
25670	41	38,48,49/02;4,5,13,20/03	28265	3	37/02	36163	13	34,35,38,44,45,47,50/02;	37171	14	34,43/02;1,14,19,24,41, 43,46/03
25671	18	21/03*	28281	32	36/02	36164	7	40/02	37172	12	21,26,27,30,32,33,35,37, 39,40,41,43,45,46/03
25673	15	42/02;43/03	28282	2	35/02	36165	6	36,44/02;10,27,30,43/03	37173	4	23,26,27,30,32,33,35,37, 39,40,41,43,45,46/03
25675	9	20/03*	28300	1	39,50/02	36166	10	34,44,45,47,50/02;4,10,	37174	15	35,36,40/02;1,10,12,16, 17,19,25/03
25677	20	32*,39/03	28302	16	33,39,40/02;12/03	36167	2	40/02	37175	10	44/02
25679	10	20/03*	28310	2	33,35,39/02	36168	1	40/02	37176	12	21,26,27,30,32,33,35,37, 39,40,41,43,45,46/03
25681	16	28*,34,39/03	28320	6	33/02	36169	4	34/02;5,30,43/03	37177	19	32,43/03
25683	18	32*,34,39/03	28325	2	5/03	36170	10	34,44,45,47,50/02;4,10,	37178	4	23,26,27,30,32,33,35,3

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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.
37170	11	38/02;14,19,46/03	38585	4	18/03	43321	6	41,47/02	44160	7	46/02;1,4,5,6,11,13,14,
37175	2	5,27,30,45,46/03	41000	2	15/03	43323	4	27/03			15,20,26,31,41,47/03
37180	20	38/02;27,31,35/03	41060	3	34/02	43324	4	27/03	44161	2	50/02;1,2,6,10,21,35,39,
37182	14	35,47,48/02;24,27/03	41100	2	N46/03	43341	7	41/02;12/03			41/03
37183	9	48,51/02;10,24/03	42003		N23/03**	43342	7	26/03	44162	1	50/02;1,24,47/03
37184	8	48/02;5/03	42004	1	N23/03*	43344	3	39/03	44163	1	48/02
37200	15	28,30,35/03	42036	2	43/03	43345	4	1/03	44164	1	46,48/02;1,11,18,22,
37202	2	22,27/03	42038	2	43/03	43360	21	6,10,13,17,20,21,28,30,			47/03
37205	2	39/02;22,24,30,40/03	42160	3	7,38/03			32,43/03	44165	1	46/02;1,5,6,11,20,22,24,
37221	13	34,36/02;6,10,11,12,13,	42301	3	38/03	43362	5	44/03			34,39,45/03
		14,15,21,23,29,30,32/03	42560	5	31,38,40/03	43363	5	45/02	44178	2	2,5,7,10,16,26,27/03
37222	13	21,22,30,46/03	42580	5	40/03	43364	5	45,46/02	44179	2	10,16,35,39/03
37223	14	42/02;21,26,27,30,32,34,	42600	5	14,30,40/03	43366	4	44/03	44180	6	34,45,46/02;1,2,5,7,8,9,
		35,39,43/03	42620	5	14,38/03	43368	5	43/03			20,26,43/03
37224	11	22,23,30,37/03	42640	6	38,40/03	43369	6	43/03	44181	5	5,10,13,20,21,27/03
37226	17	39/02;8,9,12,14,17,21,	42660	5	38/03	43370	7	47/03	44182	4	48,49/02;1,2,15,18,27,42,
		23/03	42740	5	34,41/02;6,25,31,40/03	43371	13	38,43/03			43,46/03
37228	14	8,14,23,27,29,30/03	42742	3	6,8,30/03	43373	8	45/02;17,20,40,42/03	44183	6	48/02;1,6,8,9,10,19,20,
37229	15	8/03	42760	5	8,19,24,25,47/03	43374	1	43/03			25,27,35,39,43,46/03
37230	14	39/02;28/03	42762	3	N25,N30,N47/03	43375	7	46/02;6,7,10,12,16,18,23,	44184	9	45,49/02;2,10,13,20,22,
37231	18	6,10,12,14/03	42765	3	47/03			32/03			32/03
37232	12	29,31/03	43000	4	9/03	43377	2	47/03	44185	7	45,49/02;1,2,10,27,32/03
37234	13	7,8,31/03	43015	12	9/03	43378	2	38/03	44186	2	45,46,48/02;1,2,5,8,9,10,
37235	11	17/03	43030	24	2,9,10,11,12,13,15,17,22,	43384	1	48/02;4,5,6,7,10,11,12,			15,16,25,27,29/03
37238	6	17,21,30,33,37,40,41,			27,28,30,32,46/03			13,15,16,17,18,23,25,26,	44187	2	5,6,9,13,25,27,39,44/03
		45/03	43040	6	38,47/03	43385	1	45,48/02;5,11,13,20,23,	44192	1	46,48/02;1,18,23,39,43,
37241	17	26,27,30,32,33,35,37,39,	43058	3	20/03			24,26,42,46/03			44/03
		43,45/03	43059	3	44/02;20/03	43386	2	47/03	44193	1	1,7,15,18,43/03
37242	10	26,30,32,35,39,43/03	43060	4	44/02;27/03	44000	16	44/03	44200	9	34,52/02;4,9,12,13,22,27,
37243	7	27,30,32,37/03	43079	2	41/02			37,43,47/03			37/03
37244	11	23,26,27,28,30,32,33,35,	43080	4	44/03	44001	2	48,49/02;1,6,7,8,9,11,13,	44203	1	33,48/02;2,5,15,25/03
		37,39,43,45,46/03	43082	5	41/02;47/03			14,P20,23,26/03	44204	1	48,52/02;2,4,5,7,12,13,
37246	14	21,24,27,30,32,33,35,39,	43101	3	46/02	44015	8	48,49/02;6,7,8,9,10,11,			27/03
		40,43,45,46/03	43102	4	46/02	44030	7	13,14,24,26,40,44,47/03	44205	2	48,52/02;2,5,7,12,15,19,
37248	18	39/02;21,23,24,26,27,30,	43104	4	46/02			22,23,24,28,30,32,44/03			22,26,27,29,31,39,43/03
		32,35,40,41,43,45/03	43106	6	44/02;44/03	44036	5	13,16,17,20,23,28,30,	44206	1	46/02;4,5,13,16,17,19,24,
37258	4	1,11,22/03	43125	7	44/03			32/03			28,40,46/03
37261	10	1,7,11,20,22/03	43127	5	20/03	44037	5	16,22/03	44207	1	4,5,17,19,23,28,40,41,45,
37262	20	1,11/03	43140	4	41,48,52/02;12,35,38/03	44038	5	46/03			46/03
37264	3	1,15,22/03	43141	5	52/02;12/03	44040	23	44/02;6,10,13,16,17,20,	44220	5	46/02;4,5,13,16,21,40,45,
37265	3	1,7,17,32/03	43142	4	52/02;12/03			22,23,24,28,30,32,44/03			46/03
37281	15	1,15,22/03	43143	4	12/03	44041	7	48/02;1,9,10,13,16,20,23,	44221	1	19,21/03
37320	16	38,44/02;9,10,11,P12,15,	43144	4	6,12,43/03			28/03	44223	1	6,13,21,24/03
		17,21,24,36,38,44/03	43145	4	12/03	44042	7	44,45,49/02;4,7,9,10,11,	44224	1	49/02;5,20,21,24,42/03
37325	8	34,39,47/02;15,18/03	43146	2	48/02;34,35,44/03			17,19,20,25,27,28,29,	44240	8	49,50/02;4,7,13,14,15,16,
37326	2	34,47,51/02;15,18,21,	43147	3	35,38/03			32/03			19,21,25,39/03
		36/03	43148	4	43/03	44043	8	44/02;1,6,9,10,11,13,	44243	2	5/03
37328	2	42,44/02;11,15,21,24/03	43150	2	N34,N35,N38,N41/03			16/03	44260	7	2,5,6,13,21,21/03
37330	2	34,38,40,46/02;9,13,	43160	6	34,35,36,38,41/03	44044	6	6,10,13,16,44/03	44280	9	34,49,50/02;2,6,12,15,19,
		14/03	43161	2	41,44/02;35,41/03	44045	6	22,44/03			22,34,44,47/03
37342	3	2,11,15,21,45/03	43162	3	41/03	44046	10	22,24/03	44281	2	49/02;12,15,19,21,22,27,
37343	10	45/02	43163	3	44/02;41/03	44047	22	44/02;10,12,22,24,30,31,			45/03
37344	11	34/02;21,38,45/03	43164	3	48/02;6,34/03			32,40/03	44282	1	49,50/02;13,17,19,21,
37360	15	34,43/02;2,9,10,11,15,17,	43166	2	43/03	44048	11	5,12,18,22,25,27,31,			26/03
		21,24,31,36,38,39,43,44,	43167	5	36,42,44/03			40/03	44283	2	50/02;8,21,43,45/03
37362	6	43,48,51/02;1,2,4,17,22,	43168	2	36,42/03	44049	9	44,46,50/02;8,14,22,24,	44284	2	41/02;6,42,44/03
		32,33,38,39/03	43180	5	9,44/03			30,31,40/03	44285	1	2,15,40,44,47/03
37363	8	48/02;4,17,32/03	43181	3	43/03	44050	21	20,31,32/03	44286	1	2,27,40,47/03
37367	1	38,49/02	43182	4	47,52/02	44051	1	44,48,50/02;1,11,14,22,	44310	5	41,42/02;7,37/03
37380	2	34,40,42,43,44,48,51/02;	43223	4	41/02			25,26,27/03	44313	1	41,47/02;36,37,39,40/03
		9,10,17,21,38,39,41,	43225	4	52/02	44052	5	29,30/03	44319	2	41,42/02;4,6,9,10,P20,
		43/03	43240	4	50,51/02	44061	21	24,32/03			26,27,28/03
37400	10	34,38,40,41,44,46/02;6,	43242	4	52/02	44062	8	28,40/03	44320	4	6,8,9,15,P20,25,26,37/03
		10,20,31,34,36,41,43,46,	43243	4	50,51/02	44063	8	17/03	44321	6	40/02;6,8,44,45/03
		47/03	43247	5	44/03	44064	19	22,28/03	44340	11	37/02;4,6,8,9,15,17,P20,
37401	9	44/02;4,6,13,14,16,22,31,	43248	3	9,44,46,47/03	44065	7	42/02;16,17,17/03			26,33,37/03
		36,43,44,47/03	43251	1	44,46/03	44066	10	39/02;31/03	44341	7	37,41/02;7,9,P20,26/03
37402	7	41,42,44,50/02;4,13,	43260	4	46,47/03	44067	22	16,17,28/03	44342	8	37,41/02;6/03
		14/03	43261	5	46/03	44068	11	44/02;10,11,13,40/03	44352	2	4,6,7,8,12,15,17,19/03
37403	23	10,41/03	43262	5	46/03	44069	16	11,13,17,22,23,40/03	44360	9	34,37,41,42/02;4,9,10,20,
37420	1	34,43/02;1,7,41/03	43263	7	44/02;37,44,46/03	44070	7	28/03			27,28,30,31,32,37,39,
37421	8	14,21,41/03	43264	2	46/03	44071	4	29/03	44361	6	4,10,15,21,26,27,28,
37423	5	14,21,41/03	43265	2	44,52/02;37,46,47/03	44072	4	40/03			35/03
37443	2	38,45/03	43266	1	47/03	44075	4	42/02;13,23,40/03	44365	1	7,8,26,27,43/03
37445	1	48/02;1,34,38/03	43270	2	44/02	44076	3	22,28,30,32/03	44366	1	34,41/02;44/03
37446	2	1,34/03	43280	5	44/02;37,40,47/03	44081	9	39/02;9,13,46/03	44367	2	35,37,40/02;6,39/03
37461	9	51/02;6,20,25,36/03	43281	6	27,37,44,46,47/03	44082	11	9,33/03	44400	4	48/02;4,6,7,8,9,12,15,17,
37463	6	1,43/03	43283	6	27,37,40,43,47/03	44083	8	9,11,24,25,26/03			19,23,24,25,27,34,41/03
37481	7	47,48/02;6,7,14,30/03	43284	4	51/02;40,43/03	44084	1	6,11,26/03	44401	7	10,12,19,24,41/03
37501	3	46,47/02;7,8,20,33/03	43285	5	44/02;44/03	44100	7</				

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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.
44444	6	9,12,30,34,35,36,38, 41/03	52061	2	45,48,51/02;7,12,20,P20,	53161	8	51/02;3,8,13,18/03	54321	2	25/03
44461	10	6,10,24,25,26,28,31,36, 47/03	52062	7	7,12,23,29,34/03	53162	7	50/02*/15/03	54322	7	1/03
44462	4	27,39/03	52066	3	50/02;14,16/03	53164	9	37,51/02	54329	4	5/03
44463	9	24/03	52080	14	50,51/02;4,7,10,11,12,14, 20,P20,26/03	53165	13	39/02;8/03	54332	3	25/03
44465	2	6,25,47/03	52082	3	45,46,48/02;11,12,20, P20,26/03	53180	10	33,34,43,51/02;1,3,6,7, 13,15,18,20,21,29/03	54333	3	25/03
44481	2	24,26,31/03	52083	2	45,46,51/02;1,16,46/03	53181	4	34/02;1,13,21/03	54334	3	5/03
51007	22	38/02;7,27,33,40/03	52084	2	45/02;4,10,11,12,14, 18/03	53182	4	36/02;15,16/03	54335	3	24/03
51013	4	38/02;7,21,33,36,45/03	52085	3	50,51/02;4,11,16,46/03	53183	13	35/02;20/03	54339	8	12/03
51017	31	37/02;24,40,44/03	52086	2	45,50,51/02;1,4,9,11,14, 36/03	53184	5	35/02;1,6,13,18,20/03	54340	8	48,51/02;3,4,24/03
51022	11	37/02;44/03	52087	1	51/02	53200	6	33,36,43/02;5,6,7,15,16, 20,30/03	54341	4	23/03
51027	8	45/03	52088	2	45/02;4,10,11,12,14,18, P20,26/03	53201	6	51/02;18,21,38/03	54343	10	48/02;4,5,11,12,13/03
51032	10	45/03	52092	1	46,51/02;16/03	53202	6	15,17/03	54344	6	48/02;24/03
51061	14	1,7,15,17,19,21,22/03	52120	12	51/02;6,11,16,18/03	53203	11	5/03	54346	8	11,12,13/03
51062	28	15,17,19,22/03	52121	8	45,46/02;1,6,8,11,16, 23/03	53204	10	44/02;5/03	54347	4	51/02
51064	2	52/02;1,17/03	52122	14	45/02;11,14/03	53205	3	5,26/03	54350	4	51/02;37/03
51081	10	5,6,13,15,17,21,22,45/03	52124	1	51/02	53206	6	5,25/03	54351	7	52/02;26/03
51082	7	5,7,13,15,17,21,22,45/03	52125	5	45,46/02;8,11,16,18/03	53220	6	36,43,51/02;5,16/03	54352	3	52/02;1,3,33,37/03
51100	7	1,6,7,8,9,14,27,33,34, 41/03	52140	6	48,50/02;3,12,18,29, 46/03	53226	3	17,18,35/03	54359	2	38/03
51103	10	33,45/02	52141	5	48/02;41,44,46/03	53227	12	52/02;1,13/03	54360	12	52/02;20,21,34/03
51104	1	33,45/02	52142	2	12,18,23,29/03	53242	2	1/03	54361	10	38/03
51120	6	6/03	52143	8	18/03	53244	2	1/03	54362	3	52/02
51135	1	22,46/03	52144	5	50/02;3,7,8,10,14,16,18, 21,23,47/03	53248	8	40/02	54363	3	21/03
51142	2	6,13,15,22,33,40,45/03	52161	14	6,11,14/03	53262	7	42/02;21/03	54364	2	52/02
51143	4	6,40,45/03	52164	2	14/03	53263	1	37/02;17/03	54365	6	36/02;11,21/03
51144	3	52/02;1,15,46/03	52170	3	14,16,42/03	53264	5	17/03	54369	4	52/02;20,21,34/03
51145	2	42/02;13,22/03	52172	2	40/02;1/03	53265	6	35,41,46,52/02;15,16/03	54380	6	42/02;3,16,18,28,34/03
51146	3	42,52/02;5,36/03	52180	14	42,43,51/02;1,8,10,13,15, 16/03	53266	4	1,8,13,17/03	54382	9	16,28,40/03
51150	1	50,51/02;1,13,15,22,33, 40,46/03	52200	8	7,17/03	53269	5	17/03	54386	10	42/02;16,18/03
51154	3	50,51/02;13,15/03	52220	7	27/03	53283	4	33,52/02;40/03	54387	7	42/02;16,18,30,39,42/03
51155	1	50,51/02;1,15,22/03	52221	7	27/03	53284	4	33,40/02;7,21,24/03	54389	8	43,52/02
51158	2	6/03	52223	4	27/03	53285	4	35/02;7,15/03	54400	8	43/02;3,16,22,30,36, 37/03
51159	3	47/02;39/03	52240	9	27/03	53287	6	35,42/02;1,5,7,8,10,15, 22/03	54402	4	52/02
51160	20	48,50,51/02;1,4,5,6,7,14, 15,21,22,45/03	52244	14	6,11,14/03	53290	1	35/02	54403	4	43,52/02;24,30,36/03
51163	4	4,43/03	52249	7	27/03	53301	4	22/03	54407	4	43/02;3,7,16,30,37/03
51164	18	38,45,46,50/02;2,4,8, 43/03	52253	2	47/02;39/03	53302	4	51/02	54409	2	7,8,12/03
51165	8	45,50/02;2,4,8,10,14,16, 39/03	53031	1	39,48/02;5,12,14,24, 31/03	53303	6	49,51/02	54413	3	37/03
51166	3	N45/02;N39/03	53035	2	4,37/03	53306	2	39/02;31,43/03	54416	5	33,37/03
51167	6	45,50/02;2,4,8,10,16/03	53060	14	51/02;4,5,9,10,12,14,31, 36,39,44/03	53311	3	39/02;37/03	54417	1	30/03*
51168	2	45,46,50/02;2,4,8,45/03	53061	10	44,47/02;12,16,17,38, 44/03	54040	3	37/02;6,10,20/03	54418	4	43/02;3,7,16,30,37/03
51180	5	13,16/03	53062	13	1,14,16/03	54041	7	35/02;4,8,16,17,24/03	54421	6	47/02;36,41,43,46/03
51200	4	14/03	53063	9	33*,37/03	54043	2	17/03	54422	4	46/03
51220	8	33/02;18,43,45,46/03	53064	6	33/02;10,20,39/03	54060	5	37/02;16/03	54423	5	48/02*/17/03
51222	6	51/02;16/03	53065	2	33/02;39/03	54061	11	52/02;42/03	54424	4	46/03
51223	2	17,18/03	53066	2	33/02;20,39/03	54063	3	1,13/03	54426	5	17/03
51240	2	33/02;43,46/03	53067	13	1,14,16/03	54085	2	40/02;15,24,42/03	54428	8	36,41/02;2,17,21/03
51260	4	37,50/02;16,18,28,43, 44/03	53068	9	33*,37/03	54090	3	46/02*;11,15,19/03	54430	1	37,43/02;36,43/03
51261	23	5,6,13,15,19,40,46/03	53069	4	21,22,23,41/03	54095	3	46/02*;8,15,30,42/03	54440	4	41/02;17,38/03
51263	23	49/02;13,17/03	53070	16	33,39,42,51/02;6,10,13, 18,20,21,24,31/03	54105	3	46/02*;8,13,17,19/03	54441	6	42/02;2/03
51341	23	48/02;6,16,34/03	53071	7	33/02;8,13,16,24/03	54115	3	46/02*;15,30/03	54442	5	17/03
51342	3	1/03	53072	13	40/02	54120	5	37,39,41/02;15,17,19/03	54443	5	48/02*/17/03
51344	2	5,7,16,18,44/03	53073	8	9,10,21,22,41/03	54125	3	46/02*;15,17,30,47/03	54446	8	36,41/02;2,17,21/03
51380	5	47/02;42/03	53074	6	51/02;14,16/03	54140	7	41/02;15,30,47/03	54448	8	36/02;33,43/03
51420	5	42/03	53075	8	46,48/02;17/03	54151	1	3,42/03	55001	4	36,37,42/02;14,15,28,29, 33,35,36,39,43,44/03
51440	4	42/03	53076	9	48/02;17/03	54165	2	33,37/02;38/03	55040	4	39,41/02;16,20,21,35,36, 39,41,42/03
51500	6	20/03	53077	7	33/02	54166	3	10/03	55041	7	21,43/03
51540	3	22,45/03	53078	4	21,22,23,41/03	54167	2	20/03	55042	1	42/02;17,35,37/03
51559	3	41/02	53079	1	41/02	54168	1	37/02;10,17,38/03	55043	2	37,39,42/02;37/03
51580	13	41/03	53093	2	41/03	54169	3	37/02;17,38/03	55044	5	41,43/02;16,42/03
51600	12	20,39/03	53100	16	33,39,42,51/02;6,10,13, 18,20,21,24,31/03	54170	4	47/03	55045	2	41/02;39/03
51620	10	20,39/03	53101	7	33/02;8,13,16,24/03	54195	2	5/03	55046	4	37,38,39,41,48/02;18,19, 35,36,41,46/03
51621	9	20/03	53104	2	35,42/02;20,24/03	54200	4	5,8/03	55047	8	41/03
51641	4	32,34,40/03	53105	20	37/02;8/03	54201	6	8/03	55048	12	36,37,39,41,48/02;20/03
52031	1	6,21/03	53106	6	21,33/03	54222	4	43/02;20/03	55049	6	41,43/02
52039	4	5*,7,8,9,13,14,18,21, 45/03	53107	16	35/02;6/03	54224	2	8/03	55050	7	36,37/02;28/03
52040	17	43,50/02;13,16,18,34/03	53110	1	40/02;10,15,17/03	54226	2	50/02;47/03	55051	1	28/03
52042	6	22/03*	53111	3	44/02*	54227	2	50/02;47/03	55052	5	28,33/03
52043	21	46/02;6,7/03	53120	14	39,42/02;5,6,7,13,17,31, 35/03	54266	2	13/03	55053	1	6,44/03
52045	6	36/02	53122	3	40/02;7,8,16/03	54279	4	50/02*;2,15/03	55054	3	37,48/02;6/03
52046	21	50/02;6,7,16,18,21/03	53123	3	7,29/03	54280	10	5,15,22/03	55055	9	5,25,32,44,46/03
52047	11	7,8,34/03	53125	2	46,51/02;13/03	54282	1	51/02	55056	7	39,43,50/02;5,30,42,
52048	3	8/03	53126	1	42,47/02;10,13,18/03	54283	5	52/02	55057	9	5,31,33,36,39,46/03
52051	1	43/02	53127	4	33*,45/03	54284	1	51/02;15,34/03	55058	8	36,37/02;6,28,29,33,34,
52052	1	43/02	53128	2	51/02;7/03	54287	7	5,15/03	55100	8	39,43/02;14,15,29,33,
52054	1	14/03	53129	5	34,51,52/02	54288	5	1/03	55101	4	7,25,32,34,38,39,42,43,
52055	1	14/03	53130	3	36,39,42,51/02;6,7,10,13, 17,20,35/03	54289	8	1/03	55102	3	4,5,15,25

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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.
55120	2	36/02;6,14,28,33,34, 42/03	61071	9	18,39/03	62405	8	43/03	63240	4	19/03
55127	2	10,14,24,27,32,36/03	61080	4	9/03	62406	2	33/02;28/03	63250	6	40/02;11/03
55128	2	33,36,38/02;1,4,5,8,14, 26,27,28,32,34,43/03	61090	5	12,27/03	62408	7	10/03	63252	1	33/03
55129	7	33,36,37/02;6,15,27,34, 35,42,45,46/03	61092	13	18,27,35,39/03	62409	6	7/03	63271	8	52/02;8/03
55130	2	45/02;5,14,19,32,33,34, 39,42,46/03	61100	4	10,12/03	62411	1	52/02	63290	7	38/02;10,22/03
55131	1	36,45/02;6,19,25,38, 39/03	61110	3	25/03	62413	12	28/03*	63291	9	33/02;16/03
55133	3	5,14,34,36,38,46/03	61111	12	25,27,34/03	62417	1	52/02	63310	5	11/03
55139	5	41/02	61112	10	35/03	62419	6	33/02;8/03	63320	8	37/03
55140	2	1,5,14,29,33,34,35,36,42, 45,46,47/03	61141	6	38/02;35/03	62420	5	33,37,39/02;8/03	63321	6	42/02;9,37/03
55150	2	37/02;15,36/03	61142	6	38/02;7,35,39/03	62429	9	39,43/02	63322	2	9/03
55160	2	42/02;29,41,42/03	61310	2	33/02;7/03	62431	8	37/02	63330	9	39/02;4/03
55161	1	17,41,42/03	61311	5	33/02	62432	16	13*,30/03	63337	15	39/02;4/03
55170	2	36,41/02;46/03	61312	3	33/02	62433	12	34,45/02;1/03	63370	1	20/03
55180	2	33/02;1,15,29,33,36,39, 42,45,46,47/03	61331	4	7/03	62434	9	40,46,52/02;8,12,17,18, 21,23,43/03	63400	1	39/02;8,11/03
55190	2	6,20,27,39,40/03	61410	2	7/03	62446	3	43/03	63410	6	39/02;8,9/03
55200	2	8,10,20,25,26,27,28,32, 33,36,39,42,45,46,47/03	61430	2	7/03	62453	4	16/03*	63413	5	39/02
56031	1	1,2,17,21/03	61431	1	7/03	62457	6	11/03*	63417	2	39/02
56041	4	21/03	61434	2	7/03	62459	2	6,41/03	63420	2	39,45/02;8/03
56044	3	38/02	61541	8	41/03	62460	4	33/02;10/03	63424	2	45/02
56060	9	27*,38/03	61542	6	41,46/03	62464	6	24/03	71005	1	34/02;2,6,12,13,16,23/03
56063	1	16/03	61560	2	7/03	62466	3	43/03	71006	5	39/02;23/03
56064	6	38/02;2,16/03	61562	2	6/03	62480	2	16*,18,32,41/03	71009	3	39,46,48/02;1,6,7/03
56065	3	33,38/02;16,38/03	61581	5	28/03	62490	2	16*,17,18,21,32/03	71012	3	33,39,46/02;1/03
56067	3	48/02*;20,38/03	61582	4	28/03	62498	4	4,9,31/03	71015	4	23/03
56081	19	41/02	61591	4	28/03	62499	4	49,50/02;4,9,31/03	71018	10	33,35,37/02;7,12,13,15, 21,25,26,27/03
56082	16	29/03	61610	7	34/03	62510	3	11*,12/03	71027	9	34,38,45,49/02;2,4,5,14, 18,23,33/03
56100	14	33/03*	61611	11	34/03	62512	3	N11*,N12/03	71033	31	37,38,49/02;3,12,14,15, 23/03
56101	6	33/02;1/03	61612	4	34/03	62515	2	45/02	71036	8	35,44/02;12,14,23,26/03
56102	23	1/03	61650	3	12/03	62520	6	20*,28,32,41/03	71040	5	34,42/02;7,47/03
56103	6	1,33/03	62000	20	46/02	62521	4	N20*,N28,N32,N41/03	71042	1	34/02
56104	3	22/03*	62001	5	11*,28/03	62530	6	20*,28,32/03	71045	2	23/03
56105	1	38/03*	62024	13	38,40/02;29/03	62531	4	N20*,N28,N32/03	71058	2	36/02
56120	12	1/03	62028	15	10/03	62540	6	34,40,45,48,50,52/02;8, 12,17,18,21,30,35,43/03	71059	1	36/02
57000	10	43/03	62032	16	11*,17,21,41/03	62541	3	N34,N40,N45,N48,N50, N52/02;N8,N12,N17, N18,N21,N30,N35, N43/03	71061	15	36/02
57029	9	12/03	62033	3	N11*,N17,N21,N41/03	62550	3	16*,28,32/03	71066	1	39/02;6,7,10,24/03
57035	10	10,12,23/03	62046	3	19/03*	62560	4	16*,18/03	71081	3	21/03
57060	7	43/03	62093	7	41,49/02	62570	4	33,34,36,40,45,48/02;8, 12,17,18,30,35,37,43/03	71091	4	1,2/03
57063	5	40,41/02	62095	3	11*,32/03	62580	3	33,45/02;12,35/03	71140	6	33,39,46/02;1/03
57064	3	41/02	62097	6	38/03*	62590	2	36,40,46,48/02;8,12,17, 18,21,23,30,37,43/03	71180	29	33,37/02;7,12,13,15,21, 23/03
57101	18	41/02	62098	7	33/03*	62591	3	N36,N46,N48/02;N8, N12,N17,N18,N21,N23, N30,N37,N43/03	71185	24	7,13,15/03
57103	2	16/03	62100	6	P23,26/03	63000	13	48/02;40/03	71186	2	7/03
57120	13	43/02	62110	9	P23,26/03	63005	18	16/03	71210	18	44/02;3,23,27/03
57140	10	43/02	62140	1	34,40/02	63010	14	52/02;44/03	71211	4	38/02
57141	14	43/02	62142	10	32/03	63015	11	38,40,52/02;9/03	71212	1	38/02
57142	6	43/02	62143	3	32/03	63020	15	4,9,11/03	71230	11	38/02;6/03
57160	10	43/02	62170	2	38/02	63040	2	46/02	71241	10	6,12,16,20/03
57162	7	43/02	62171	4	38,47/02	63050	2	46/02;45/03	71243	5	15/03*
57164	2	43/02	62191	15	11*,15,28/03	63053	4	39,45/03	71247	18	5,6,8,14,17,21,22/03
57165	1	43/02	62194	8	36/02;4/03	63060	7	45/03	71248	2	N51/02*;N1/03
57170	1	43/02	62195	7	19/03*	63062	7	7,16,18,37,44/03	71249	2	35/02
57200	6	11/03	62220	9	21/03*	63063	6	44/03	71251	11	35,40/02;1,15,21/03
57220	4	11/03	62222	5	19/03*	63070	3	16/03	71253	10	35,40,42/02;5,6,7,13,14, 16,17,21/03
57241	12	31/03	62225	3	37/02;17/03	63080	5	48/02	71255	6	28/03*
57242	8	41/03	62241	10	9/03	63090	8	15,30,40/03	71257	2	5,6,7,12,13,16/03
57245	1	41/03	62242	11	47/02;9/03	63091	4	39,48,52/02;9/03	71258	2	35/02;5,6,7,13,22/03
57260	3	23/03	62250	4	34,38/02;32/03	63100	2	44/02;30/03	71259	3	15*,17,19,44/03
57261	2	23/03	62270	4	37,41/02;29,32/03	63102	19	15,30,40/03	71261	8	35/02;2,16/03
57262	4	23/03	62271	5	37,41/02;10/03	63055	2	39/03	71262	7	6,33/03
57381	12	52/02;15,16,23/03	62290	3	37,41/02;10,21,P23,	63060	7	45/03	71265	3	46*,49/02;7,13,15,16, 20/03
57400	4	12/03	62295	3	21,P23,26/03	63063	6	44/03	71271	10	34,52/02;19/03
57420	3	12/03	62302	2	4/03	63070	3	16/03	71272	10	34/02;19/03
57460	4	10,12,29/03	62310	2	29/03	63080	5	48/02	71275	3	35/02;2,6,16,19,33/03
57471	3	12,15/03	62330	2	38,40/02	63090	8	15,30,40/03	71281	7	51/02;34/03
57472	2	12/03	62340	3	38/02	63101	15	15,30,40/03	71285	3	34,52/02;13,19/03
57480	8	12,15,23,27/03	62343	3	8/03	63102	19	15,30,40/03	71295	2	34,39,40,52/02;12,13,23/03
57482	12	24/03	62350	3	10/03	63103	17	15,16/03	71305	2	34,36/02;2,13,23/03
57483	11	24/03	62355	6	8,29/03	63110	4	40/02;16/03	71311	4	7/03
57484	19	15,23,24,27/03	62360	5	38/02;12/03	63111	9	48,40/2;9/03	71313	8	45/02
57488	6	24/03	62361	2	N38/02;N12/03	63120	2	44,48,52/02;8/03	71314	5	6,10/03
61000	20	10,15,23,27,31/03	62366	4	33/03*	63121	5	48/02;5,8/03	71315	2	34/02
61020	2	27/03	62391	5	33/03*	63200	5	52/02;30/03	71320	1	35/02;5,14,33,38/03
61036	8	7/03	62393	7	34,37,50/02	63201	9	40/02;30/03	71325	8	5/03
61040	6	10,31/03	62394	10	34,37,50/02	63205	2	30/03	71330	13	35/02;5,33,38/03
61050	4	10,15,31/03	62395	3	25/03*	63210	3	45,52/02;16,30/03	71331	11	5,7,8,33,38/03
61051	7	15,24/03	62400	17	33/02;4,9,31/03	63220	5	45,52/02	71332	2	6,7,33/03
61060	5	12,27,39/03	62401	9	6,10,41/03	63230	6	45/02	71335	2	8,38/03
61061	9	10,12,15,24/03	62402	10	10/03*	63231	8	45/02	71340	11	40,46/02;2,4,5,6,7,33/03
61070	4	9,39/03	62404	3	6/03	63232	3	45/02	71343	3	7/03
									71348	3	35/02;7,23/03
									71349	2	23/03
									71350	8	5,6,7,14/03

SECTION I

NM 47/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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.
71400	5	14,23/03	74021	7	33,35,39,44/02;7,10,26, 31,35/03	74460	4	37,40,46,49/02;6,20, 37/03	75263	9	5,26,31/03
71401	1	40,46,51/02;5/03	74024	7	44/02;36/03	74465	2	9,36,38/03	75264	17	33,34,37,41,42,44,45/02; 2,27,32/03
71402	1	40,46/02;4,5,6,33/03	74027	9	43,44/02;39/03	74470	2	8/03	75265	2	6,20,31,32,38,40/03
71410	1	39/02;12,23/03	74030	6	51/02;42/03	74475	2	44/02;42/03	76015	1	35,40/02;28,45/03
71420	1	38,39/02;3,12,14,23/03	74051	2	42/03	74480	2	44/02	76030	9	49/02
71430	3	11*,20,23/03	74053	2	51/02	74485	3	43/02	76040	8	47/03
71440	2	11*,23/03	74151	9	36,44/02;2,20,29,40, 41/03	74493	3	38,43,45/02	76050	8	49/02;18,28/03
71445	1	7/03	74152	11	36,44/02;27,30,34/03	74494	2	41/02;8,9,16/03	76052	8	4,5,28/03
71450	1	7/03	74157	11	36,44/02;27,30,34/03	74510	2	33,35,37/02;5,10,17,18, 35/03	76054	5	49/02
71455	2	11*,23/03	74153	2	36,44/02;2,27,41/03	74515	4	33,35,39/02;4,7,10,31, 35/03	76056	3	9,37/03
71460	1	41/02;23/03	74162	4	36,46,47/02;8/03	74520	3	41/02	76060	7	40/02
71470	2	38,02;14/03	74171	4	33,36,47/02;3,10,18,20, 24,27/03	74530	2	44/02;36/03	76061	3	40/02;9/03
72000	8	35,47,50/02;2,20,21,23,	74172	5	36,47/02;7,10,18,40/03	74535	2	42,44,48/02;36,38/03	76070	9	35/02;28,45,47/03
72007	10	36,38,47,51/02;2,5,7,11, 27/03	74181	8	33,35,37,38,39,47/02;10, 34/03	74540	3	40/02;18,32/03	76071	9	35/02;28/03
72014	10	46/02;7,19/03	74182	12	33,35,37,38,39,41,42,44, 51/02;6,10,17,25,34,38, 39,40,41,42/03	74545	4	5,32/03	76080	8	1,18,47/03
72021	8	36,38,47,50,51/02;7,20, 23,27/03	74183	11	38,39,42/02;4,6,17,25, 38/03	74550	3	34,43,44,48,51/02;5/03	76081	7	28,37/03
72028	7	34/02;22/03	74184	10	33,35,37,38,46,48/02;17, 34/03	74555	10	40,43,46,48,50/02;4,5,18, 31,32/03	76083	3	1,37/03
72035	8	8,21,27/03	74186	7	34/02;4,10,17,21,27,30, 36/03	74560	10	40,43,46,48,50/02;4,5,18, 31,32/03	76120	6	45/03
72045	2	8,27/03	74190	7	35,36,37,46/02;1,16,31, 34,39/03	74561	2	5/03	76121	8	47/03
72050	4	23/03	74191	2	35,46,48/02;1,7,9,29/03	74561	9	34,36,40,41,43,45/02;27, 31,39/03	76140	7	46/02
72060	8	50/02	74192	3	35,46/02;1,40/03	74565	3	42,44,48/02;36,38/03	76141	8	46/02;28,37,45/03
72070	4	2,9/03	74200	8	37,46/02;1,8,32,40/03	74570	7	40/02;8,38/03	76142	1	46/02;37,45/03
72075	2	9/03	74201	9	32/03	74575	2	42/03	76144	1	28/03
72080	7	51/02;2,9/03	74202	3	1,7,27/03	74580	15	34,40,43,44,48,49/02;38/03	76146	1	28,45/03
72085	3	15,03*	74204	5	37/02;1,7,8,32,40,46/03	74584	5	34,41,43,45/02;26,27,36, 38,39/03	76147	1	28/03
72094	2	38/02;7/03	74205	2	27,32,35/03	74590	2	51/02	76150	6	35/02
72100	7	7,19/03	74206	2	34/02;27,32,35/03	74591	7	40/02;8,38/03	76160	4	28/03
72103	2	4,6,7,19/03	74208	8	35,47,51/02;30,37,46/03	74595	2	42/03	76161	10	40/02;47/03
72105	2	36,38/02;7,11,19/03	74211	2	35,51/02;30,38/03	75001	3	47/02;5,6,31,32/03	76162	1	18,28/03
72107	2	7,19/03	74212	7	7,17,37,46/03	75005	6	47/02;6,31/03	76170	7	28/03
72109	3	42,44/02	74213	7	35,49,42/02;4,5,7,8,9,41, 46/03	75006	7	41,42,50/02	76171	1	28/03
72130	4	46/02	74215	7	27,32,35/03	75010	9	36,39/02;2,4,8,25,27,36, 38,39/03	81004	3	37*,43/03
72131	3	11/03	74216	2	34/02;27,32,35/03	75015	6	5/03	81048	8	28,43/03
72161	10	10/03	74218	8	35,47,51/02;30,37,46/03	75035	18	36,39/02;2,6,26,27/03	81054	13	14*,27,28/03
72181	2	36/02;7,11/03	74220	9	32/03	75051	6	5/03	81063	5	47/03
72190	2	10/03	74222	2	33,37,43,47/02;18,26/03	75110	2	50/02	81067	6	46/03*
72201	8/03		74230	7	39,42/02;5,7,36,46/03	75120	2	42/02	81076	10	41*,44/03
72211	6	43/02;5,8/03	74231	7	35/02;3,21,36/03	75130	16	34,41,50,51/02;5,7,8,16, 19,25,26,37/03	81092	3	38*,50/02;32/03
72223	8	27/03	74232	9	5,7,21/03	75131	7	17,39/03	81711	6	31/03
72231	8	21/03	74234	1	8,17/03	75132	11	17,19,25,29,32,35/03	82005	5	17/03
72234	2	18,19/03	74240	8	34,39,42/02;4,5,7,8,9,41, 46/03	75134	3	33,51/02;5,19,29,37, 45/03	82010	6	17,39/03
72236	1	9,12/03	74251	8	34,37,42,44,46,51/02;6,9, 17,21/03	75142	5	36,42,50/02;35/03	82015	13	39/03
73000	9	40,52/02;10,20,21/03	74252	9	47/02;5,7,9/03	75143	4	33,36,38,42,50/02	82020	7	39/03
73002	4	5,11/03	74253	6	47/02;8,9,16,20,21,30/03	75144	3	33,36,42,51/02;4,10,18, 25,30,38/03	82192	6	43/03
73004	4	10/03	74261	9	41,49/02;4,10,30,39/03	75150	5	50/02;16,19,26/03	82200	2	17,41/03
73008	8	11,13,23/03	74265	2	38,41,43,47,49/02;7,9,16, 21,30/03	75160	6	17,18,19,25,32/03	82210	2	42,48/02
73012	6	11/03*	74266	7	38,41,43,47,49/02;7,9,16, 21,30/03	75170	12	38,39/02;8,25,38/03	82215	2	41/03
73014	10	48,52/02	74268	2	38,41,43,47,49/02;7,9,16, 21,30/03	75172	5	39/02	82242	1	35,48,50/02
73016	4	44/02	74269	2	38,41,43,47,49/02;7,9,16, 21,30/03	75175	9	33,38,40,45,50/02;6, 18/03	82244	5	35,42,48/02;20,39/03
73020	9	9,21,22/03	74270	3	38/02;7,38/03	75176	9	42,50/02;25,26,32,40, 44/03	82253	7	35,48,50/02;20,39/03
73024	3	39/02	74271	9	38,46/02;19,26,27,29,30, 38/03	75177	7	38,48,50,52/02;6,26, 38/03	82264	2	33/02
73030	4	22/03	74272	7	4,19,29,30/03	75178	5	39/02	82268	4	33/02;17/03
73032	4	9,22/03	74273	5	38,41,43/02;7,19,27/03	75179	9	33,36/02;1,6,20,26,35,38, 40/03	82269	3	38/02;17/03
73041	2	5/03	74275	7	3,30/03	75180	2	8,25,38/03	82270	2	33/02
73191	3	7/03	74281	7	3,30/03	75185	2	47/02;8,36/03	82271	6	38,46/02
73271	7	13/03	74283	2	46,49/02;27/03	75190	2	47/02;25,36/03	83010	6	6/03
73552	4	34,45/02;1,7,9,10,38/03	74285	2	34,35,45/02;1,9,16,38/03	75191	6	37,38,43,47/02;8,19,30, 34,36,38/03	83020	8	24/03
73570	7	34,45/02;1,10,03	74286	2	29,35/03	75197	7	38,48,50,52/02;6,26, 38/03	83021	1	43/02
73580	4	52/02;43/03	74287	2	34,38,52/02;9,47/03	75198	2	49/02;1,5,7,10,16,19, 35/03	83023	4	43/02
73581	4	52/02;3,43/03	74289	5	9/03	75207	2	36,52/02;4,16,33,37, 43/03	83025	1	12,45/03
73590	6	47,52/02;36,43/03	74290	11	34,39,45,46,48,49,51/02; 1,7,9,10,16,27,30,38/03	75208	2	50/02;30,33/03	83026	32	41/02;6/03
73601	3	34,35,47/02;43/03	74292	8	34,38/02;9,27/03	75213	2	36,52/02;33,38/03	83039	11	41/02;6/03
73640	5	36/02;16,40/03	74293	7	34,45,48/02;9,16/03	75215	2	36,39,40,52/02;7,33, 38/03	83251	2	2,12/03
73650	5	40/03	74294	3	34,45/02	75219	6	49/02;1,5,7,10,16,19, 39/03	83252	8	2,12/03
73653	1	40/03	74295	3	4,9,27,29,35/03	75220	12	36,39,49/02;4,20,26, 39/03	83253	2	12/03
74000	6	36,47/02;2,7,18,41/03	74296	4	34,38,49/02;9,27/03	75222	8	35,40/02	83397	6	1/03
74002	2	35,47/02;31/03	74320	3	35/02;8,18,41,43/03	75240	4	36,39/02;2,4,27,39/03	83425	6	35/02
74003	5	47/02;7,10,31,34/03	74340	3	16/03	75241	6	34,36/02;26,35/03	83473	7	37/03
74004	2	35,37,39,47/02;9,30/03	74350	4	16,44/03	75250	2	50/02;30,33/03	83484	10	23,42/03
74005	2	34,35,46,47,51/02;4,7,9, 16,27,30,38/03	74376	5	43/02;9,16,44/03	75251	3	36,52/02;4,16,33,37, 43/03	83574	2	7/03
74007	1	36/02;46/03	74380	4	8,9,26/03	75252	3	36,52/02;33,38/03	83580	2	8,45/03
74008	6	51/02	74391	3	26/03	75255	6	33,36,48/02;3,19,37,40/03	83590	1	45/03
74009	10	38,49/02;8,9,21,36,44/03	74392	7	39/02;25/03	75261	6	33,36,48/02;3,6,26,31, 38/03	91005	6	45/02;19,42/03
74012	10	37,40,49/02;6,8,19,20,27, 36,37/03	74393	9	38,41,50/02;3,39/03	75262					

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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.
91294	8	19/03	94067	10	33/02;10,11/03	95102	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14,17, 23,25,27/03	96004	14	44,45/02
91297	9	19/03	94080	7	33,44,48/02;10,19,22, 32/03	95103	8	42,43,45,47,52/02;4,6,7, 10,12,19,27,28,31/03	96020	4	41/02
91300	3	46/03	94082	8	44/02;8,19,22/03	95120	7	42,43,52/02;1,4,14,21, 26/03	96032	3	38/02;34/03
91331	3	42/03	94083	12	44/02	95138	8	45,46,48,49,50,52/02;8, 16,17,19,23,24,25,27,28, 30,35,36/03	96036	2	36/03
91340	3	42/03	94120	6	33,38,48,52/02;9,10,17, 18,21/03	95140	15	38,40,41,44,48,49,52/02; 1,7,8,9,10,17,21,24,25, 27,29,33,35,37/03	96039	7	23,44/03
92006	5	45,46/02;5/03	94122	7	40/02;35/03	95141	8	45,47,50,52/02;1,6,7,8, 17,19,21,23,25,29,37/03	96041	11	39,44,45/03
92025	3	42/03	94123	9	33,38,42,44,52/02;9,10, 15,17,18,28/03	95142	9	50,52/02;8,10,19,23, 29/03	96044	10	23,38/03
92030	4	42/03	94124	13	38,42,44/02;10,15,17,25, 28/03	95143	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,23,24,25,27,28,30, 36/03	96120	6	21/03
92033	5	45/02	94142	2	33,38/02;6,9,13,16,18/03	95144	9	38,41,46,48,50,52/02;1,6, 8,9,10,11,13,16,21,23,24, 35,37/03	96340	4	45/03
92150	3	43/03	94164	2	46,50,51/02;12,16,19,41, 42,43/03	95145	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,21,23,25,29,37/03	96379	1	10/03
92160	3	43/03	94165	4	50/02;18,24,43/03	95146	14	36,38,39,40,41,44,46,47, 48,50,52/02;1,8,9,16,21, 23,24,31,32,35,37/03	96381	2	10/03
92170	3	43/03	94180	9	42,44,47,50,51/02;23,28, 44/03	95147	13	39,41,44,45,46,47,48, 49/02;1,5,9,19,23,25,28, 29,31,32,35,36/03	96382	2	10,12,21/03
92290	2	19/03	94184	2	N51/02	95148	9	38,41,46,48,50,52/02;1,6, 8,9,10,11,13,16,21,23,24, 35,37/03	96400	4	12/03
92296	3	19/03	94187	3	14,23,36,45,46/03	95149	9	34,36,37,38,41,43,48,49, 52/02;8,9,19,24,25,27,30, 32,35/03	96441	1	41/02;10/03
92410	3	42/03	94188	2	44,46,47,51/02;8,28/03	95150	14	36,38,39,40,41,44,46,47, 48,50,52/02;1,8,9,16,21, 23,24,31,32,35,37/03	96480	3	41/02
92450	3	42/03	94201	1	51/02;24,28/03	95151	13	39,41,44,45,46,47,48, 49/02;1,5,9,19,23,25,28, 29,31,32,35,36/03	96500	6	41/02;10,39/03
92560	4	45/02	94203	10	41,42,44,46,47,52/02;10, 11,24,41,42/03	95152	5	37,38/02;6,9,19,28,30,31, 32,35/03	96520	7	10/03
93006	2	39,45/02;4,8,10,43,44/03	94206	3	41,42,44,47,52/02;11,19, 44/03	95153	2	34,36,37,38,43/02;19,25, 32/03	96521	3	21/03
93010	6	38,40,41/02;2,13,14,18, 24/03	94207	5	N42,N44,N47,N52/02; N11,N19/03	95154	9	38,41,46,48,50,52/02;1,6, 8,9,10,11,13,16,21,23,24, 35,37/03	96540	5	10/03
93018	8	1,14,18,24/03	94184	2	N51/02	95155	17	34,36,37,38,40,41,44,46,47, 48,50,52/02;1,6,7,8,9, 15,19,23,28,29,30,37/03	96550	5	10/03
93020	2	38/02;4,13/03	94187	3	14,23,36,45,46/03	95156	13	41,42,47,52/02;1,6,8,9, 11,17,19,21,24,25,27,33, 36,40/03	96580	3	10/03
93025	5	45/02;45/03	94188	2	44,46,47,51/02;8,28/03	95157	16	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,23,28,29,30,37/03	96620	3	38/03
93030	6	45/02	94201	1	51/02;24,28/03	95158	9	34,36,37,38,41,43,48,49, 52/02;8,9,19,24,25,27,30, 32,35/03	96621	5	10,38/03
93032	3	45/02;24/03	94203	10	41,42,44,46,47,52/02;10, 11,24,41,42/03	95159	14	36,38,39,40,41,44,46,47, 48,50,52/02;1,8,9,16,21, 23,24,31,32,35,37/03	96660	4	36/03
93043	1	45/02	94206	3	41,42,44,47,52/02;11,19, 44/03	95160	13	41,42,47,52/02;1,6,8,9, 11,17,19,21,24,25,27,33, 36,40/03	96760	4	35,45/02
93046	1	45/02;5/03	94207	5	N42,N44,N47,N52/02; N11,N19/03	95161	17	34,36,37,38,40,41,44,46,47, 48,50,52/02;1,6,7,8,9, 15,19,23,28,29,30,37/03	96762	3	17/03
93047	2	45,49/02;24/03	94218	3	36/02;6,18/03	95162	2	40,44,47,49/02;10,14,19,30, 35/03	96763	7	43,48/02;9,17,32,37, 45/03
93048	1	35,49/02;5,14,33/03	94219	1	47/02;46/03	95163	2	34,36,37,38,41,43,48,49, 52/02;8,9,19,24,25,27,30, 32,35/03	96764	3	34/03*
93049	1	45/02;4/03	94220	4	41,42,47,49/02;8,10,11, 17,18,33,42,44,47/03	95164	9	34,36,37,38,41,43,48,49, 52/02;8,9,19,24,25,27,30, 32,35/03	96800	4	41/02
93061	4	45/02	94260	5	49/02;1,6,11,31/03	95165	17	34,36,37,38,40,41,44,46,47, 48,50,52/02;1,6,7,8,9, 15,19,23,28,29,30,37/03	96901	3	7/03
93101	2	N34,N38/02;N2/03	94280	5	51/02;15,32/03	95166	2	40,44,47,52/02;1,6,8,9, 11,17,19,21,24,25,27,33, 36,40/03	96902	2	45/02
93110	2	38,40,41/02;1,2/03	94281	6	6,42/03	95167	10	40,44,47,49/02;1,6,9,11,14,17, 21/03	96904	3	34/03*
93115	2	40,41/02	94282	9	46/02;8/03	95168	2	1,6,9,10,11,13,14,17,21/03	96910	1	10/03
93117	2	40,41/02	94283	7	46/02;2,8,12,32/03	95169	5	37,38/02;6,9,19,28,30,31, 32,35/03	96937	2	40/02
93160	4	34/02;1,14,24,47/03	94290	2	1,7,31/03	95170	4	34,36,37,38,43/02;19,25, 32/03	96938	4	4/03
93180	7	34/02;47/03	94322	14	8,47/03	95171	2	41,42,47,52/02;1,6,8,9, 11,17,19,21,24,25,27,33, 36,40/03	96939	3	4,7,9,22/03
93220	6	34/02;47/03	94360	6	43/02;6,13/03	95172	1	1,6,9,10,11,13,14,17,21/03	96941	8	47/02;47/03
93240	11	34/02;16,24,47/03	94361	13	13,15/03	95173	1	50,52/02;1,2,8/03	96943	15	44/02;1,9,10,12,20,22,23, 33,42/03
93241	9	8,16,25/03	94363	4	43/02;16,18,29/03	95174	1	50,52/02;12,27/03	96944	6	45,52/02;6,13,20/03
93244	7	16/03	94368	4	43/02;6,18,29/03	95175	1	50,52/02;1,2,8/03	96945	3	43,52/02;20,22,23,42/03
93245	6	16,24/03	94380	4	N5,N6,N18/03	95176	2	32,35/03	96947	15	6,12,13/03
93260	8	7,18,47/03	94384	3	5/03	95177	1	40,44,47/02;1,6,9,11,14,17, 21/03	96948	8	21,22/03
93261	5	7,47/03	94420	3	39/02;4,8,11,13,14,23,42, 44,47/03	95178	11	40,44,47,49/02;1,6,9,10, 21,23/03	96949	21	45/02;22/03
93280	4	18/03	94421	10	45/02;4/03	95179	2	1,6,9,21,31/03	96960	3	7,47/03
93360	5	38/02	94423	12	45/02;11/03	95180	11	40,44,47,49/02;1,6,9,10, 21,23/03	96962	4	35/02;1,9,22,33/03
93520	13	45/02;15/03	94440	2	46/02;18/03	95181	2	40,44,49/02;10,35/03	96964	2	6,14,33,45/03
93610	3	44,45/02;6/03	95016	8	40/02	95182	6	23/03	97040	5	43,47/02
93650	2	44/02;6,24,28/03	95040	8	40/02;11/03	95183	4	44/02;1,2,8/03	97041	9	45,47/02;10,12,22/03
93652	2	3,6,24/03	95041	7	23/03	95184	1	50,52/02;1,2,8/03	97042	7	14,20/03
93680	3	45,47/02;24/03	95060	13	40,43,44,47,48,52/02;1,6, 11,14,17,19,21,23,29,31, 33/03	95185	1	50,52/02;1,2,8/03	97043	2	14,20/03
93690	2	44/02;6,45/03	95065	5	48/02;10,31/03	95186	2	40,44,47,48,49,50/02;1,6,8,9, 10,17,19,21,23,25,27,30, 31/03	97046	8	46/02;12,14,22,26/03
93710	3	6,15,43/03	95066	11	41,43,44,47,48,49,50/02; 1,5,6,17,19,21,23,25,27, 31,32,33,37/03	95187	1	50,52/02;1,2,8/03	97047	9	47/03
93720	10	39,45,50/02;8,15,17,20, 24,28,42,43,44/03	95068	1	41,42,45,47/02;12,14,17, 25,28,29,37/03	95188	2	41,42,45,47,48,49,50/02;1,6,8,9, 10,17,19,21,23,25,27,30, 31/03	97048	7	40/02;8,13,20/03
93721	5	39,42,45,50/02;4,11,17, 20,23,25,40,41,43,44,45, 46/03	95071	13	41,44,46/02;1,5,10,17,23, 28,37/03	95189	1	41,42,45,47,48,49,50/02;1,6,8,9, 10,17,19,21,23,25,27,30, 31/03	97049	1	21,25,26/03
93725	6	45/02;24/03	95072	1	41,42,45,47/02;12,14,17, 25,28,37/03	95190	4	7,41/03	97050	3	41/03
93726	4	48/02;8,12,17,45/03	95073	13	33,40,44,45,45,50/02;1,6, 7,9,10,14,17,19,21,24,25, 27,28,30,31,32/03	95191	3	41/03	97051	5	21,25,26,47/03
93730	3	39,40,42,45,47,48,49,50/02;2,4, 17,24,28,31,41,42,43,46, 47/03	95074	2	45,46/02;1,6,8,9,10,11,12,13, 14,15,17,19,21,22,23,24,25, 26,36/03	95192	6	37,40,42,43/02;9,14,16, 17,25,40,44,45/03	97100	4	42,47/02;16,17,26/03
93733	13	39,45/02;4,19,20,25,40, 41,44,45,47/03	95075	13	41,44,46/02;1,5,10,17,23, 28,37/03	95193	1	21,25,26/03	97101	1	21,25,26/03
93734	11	45/02;4,19,20,25,40/03	95076	1	41,42,45,47/02;12,14,17, 25,28,37/03	95194	4	7,41/03	97102	7	14,20/03
93736	22	41/02;4,20,25,40,41,45, 46/03	95078	13	33,40,44,45,45,50/02;1,6, 7,9,10,14,17,19,21,24,25, 27,28,30,31,32/03	95195	3	41,42,45,47/02;1,6,8,9,10,11,12,13, 14,15,16,17,18,19,20,21,22,23,24,25,<br			

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 47/03

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.
97152	8	37/02;20/03	97267	16	40,41/02;1,5,6,8,10,13, 18,26,27,42/03	804567	4	N31/03
97153	7	16,20/03	97268	10	6/03	805118	3	N12,N36/03
97154	2	36/02	97269	11	45/02;8,13,18,27/03	805647	2	N37,N51/02;N30/03
97155	14	35,36,37,39,40,48/02;12, 13,18,20,28/03	97270	6	36,44/02;1,5/03	806927	8	N25,N30,N39/03
97156	6	37/02;1,14/03	97271	12	37,39/02;6,10,12,26,35, 41,44/03	807370	5	N17,N25,N30,N31, N39/03
97157	2	40/03*	97272	11	52/02;6,10,12,14,23,37, 47/03	807861	2	N22/03
97158	4	25/03	97273	11	34/03*	808365	2	N14/03
97159	6	33,39/02;7,14,16,44, 46/03	97274	19	34,39,45/02;6,9,15,17,18, 23,37,47/03	809055	7	N16/03
97163	14	14,36/03	97276	1	40/02;9/03	809310	9	N39/02
97164	1	7,14,16/03	97277	11	1,5,6,8,9,14,35,39/03	809679	2	N50/02;N12,N27/03
97165	1	7,16/03	97278	11	39/02;1,20,35,39/03			
97166	1	33/02;21,46/03	97279	9	9,27/03			
97167	2	33/02;21/03	97280	4	52/02			
97180	6	34,39,43,45,46,48/02;4,8, 13,20,22,26,44/03	97281	2	41/02			
97181	20	34,46,48/02;1,4,7,8,12, 13,14,17,18,20,22,23,26, 27,35,44,46/03	97283	3	45/02;9/03			
97182	13	34,39,46,48/02;1,4,5,6,7, 8,12,14,17,18,20,21,22, 23,27,35,46/03	97285	6	34,42/02;7,13,17,36/03			
97183	9	44/02;5,9,14,16,18,22,26, 43,44/03	97286	6	34,35,36,41,42/02;6,8,10, 13,17,35,36,38/03			
97184	15	47/02;1,7,12,14,18,22,39, 44/03	97287	5	34/02;20/03			
97185	2	43/02;1,7,46/03	97300	6	1,13,25,26/03			
97187	3	44,48/02;9,18/03	97303	3	47,48/02;45/03			
97188	2	1,7,13,17,20,22,27,35/03	97320	6	33/02;14,25,46/03			
97189	2	44/02;9,14,18,22,39, 43/03	97340	8	33,38,52/02;16,17,18,22, 36,46,47/03			
97190	2	34,39,52/02;8,13/03	97341	9	34/02;16,21,47/03			
97200	9	52/02;8,16,17,22,25,26, 29/03	97342	14	38/02;17,18,22,27,43/03			
97201	7	18,28/03	97343	12	38/02;17,25/03			
97202	15	43,44,52/02;20,25/03	97360	6	38/02;5,7,13,18,27,43,45, 47/03			
97204	9	45,52/02;4,6,10,19,20,25, 33,43,45,47/03	97380	7	39,47,52/02;1,2,8,16,23, 38,40,45/03			
97205	3	18,28/03	97381	7	7,13,27,43,45/03			
97206	2	23/03	97382	2	41,45/02;4,42/03			
97218	3	41/02;6,33/03	97383	16	5,7,13,42,46,47/03			
97219	4	6,9,13,20,23,25,47/03	97384	4	47/02;19/03			
97220	3	37,39,42,43,44/02;6,8,9, 17,18,23,29,33,46/03	97385	10	52/02;5,6,7,9,46,47/03			
97221	20	37,39,42,44,45,49,52/02; 6,8,9,10,13,17,18,19,20, 22,23,25,26,29,33,46/03	97387	2	4,5,7,42,46/03			
97222	12	47/02;10,22,29/03	97389	2	45*,47/03			
97223	3	42,44,48/02;16,17,22,23, 46/03	97390	5	39,40/02;2,5,12,16,36/03			
97224	6	46,47,49/02;45/03	97391	26	6,7,12,16/03			
97225	31	37,39,42,44,45/02;6,8,9, 10,17,18,19,23,25,33,45, 46/03	97392	5	1,21,23,26,33,38/03			
97226	7	18,41/03	97396	14	36,39,40/02;2,16,17,23, 33,38/03			
97227	11	42,43/02;9,18,30,34/03	97397	7	39,49/02;16,26,44/03			
97228	15	39,40,42,43/02;5,6,9,15, 17,18,20,21,22,27,29, 35/03	97398	4	43/03*			
97229	12	36,39,47/02;6,8,9,18,28, 33/03	97400	4	34*,44/03			
97230	18	36,52/02;6,9,28,33/03	97410	8	17,19,45/03			
97231	11	41/02;6,23,33/03	97412	7	40/02;47/03			
97232	8	22,25,33/03	97420	17	34,39,42,47,52/02;1,8,10, 33,38,40,45/03			
97233	11	33,43,44,49/02;1,5,6,9, 15,16,23,33,35/03	97421	13	35,36/02;1,10,13,20,26, 36/03			
97234	17	43,47,49/02;1,6,8,9,16, 41/03	97423	2	35,36/02;1,13,20,26, 36/03			
97236	20	47/02;9,16,23,35,41/03	97425	6	34,39,47,52/02;1,6,8,10, 45/03			
97237	6	41/03	97440	8	52/02;1,16,19,27,43, 47/03			
97239	10	33/02;1,5,9,16,23/03	97441	5	46/02;47/03			
97241	6	10/03	97443	6	15,19,25,47/03			
97243	8	33,48/02;1,5,6,21,27, 33/03	97460	7	40/02;5,19,21,47/03			
97244	5	9/03	97465	9	1,6,8,19,20,22,33,37/03			
97245	11	36/02;1,5,9,29/03	97466	2	46/02;1,23,27/03			
97246	7	43,52/02;5/03	97469	10	1,6,8,19,20,22,33,37/03			
97251	4	6,10,17,36/03	97471	5	N22,N33/03			
97261	15	41/02;1,5,7,18,21,26, 44/03	97472	8	34/02;33/03			
97262	10	34/02;1,5,6,7,15,21,26, 33,46/03	97474	7	22/03			
97263	10	5,7,9,15,18,21,46/03	97480	7	35,52/02;3,9,10,17,18, 21/03			
97266	5	37,41/02;1,5,6,7,14,15, 18,26,42/03	97481	6	47,49/02;9,18,20/03			
			97483	7	48,52/02;20/03			
			97521	6	42/02;16,18,20/03			
			97564	3	16/03			
			800744	1	N49/02;N5,N12,N13, N16,N36,N47/03			
			801217	1	N6,N8,N19,N20,N22, N33,N37/03			
			801885	3	N34/03			
			801902	9	N25,N31/03			
			801953	1	N39/03			
			802202	8	N35/02;N1,N7/03			
			804059	2	N43/03			

SECTION II

NM 47/03

NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
REGION 1								
11ACO11006 (7642014010099)	Key West to the Mississippi River (LORAN-C)	875,000	<u>31</u>	<u>9/03</u>	NOS	1-94	47/03	
11AHA11323 (7642014010119)	Approaches to Galveston Bay (LORAN-C)	80,000	<u>60</u>	<u>9/03</u>	NOS	1-94	47/03	
11AHA11324 (7642014010120)	Galveston and Texas City Harbors	25,000	<u>33</u>	<u>9/03</u>	NOS	1-94	47/03	
11BCO11363 (7642014010189)	Chandeleur and Breton Sounds (LORAN-C)	80,000	<u>39</u>	<u>9/03</u>	NOS	1-94	47/03	
12AHA12273 (7642014010322)	Chesapeake Bay-Sandy Point to Susquehanna River (LORAN-C)	80,000	<u>54</u>	<u>9/03</u>	NOS	1-95	47/03	
12AHA12335 (7642014010334)	Hudson and East Rivers	10,000	<u>40</u>	<u>9/03</u>	NOS	1-95	47/03	
13AHA13267 (7642014010420)	Massachusetts Bay (LORAN-C)	80,000	<u>31</u>	<u>10/03</u>	NOS	1-95	47/03	
	Inset: North River	20,000						
16BCO16576 (7642014013870)	Cape Nukshak to Dakavak Bay (LORAN-C)	80,000	<u>4</u>	<u>9/03</u>	NOS	1-97	47/03	
17XHA17471 (7642014011473)	<u>Can. 3734, Jokins Point to Sarah Island</u>	36,028		<u>7/76</u>	CHS	1-76	47/03	
	<u>Inset: Jackson Narrows</u>	12,238						
	<u>Continuation of Alexander Inlet</u>	12,238						
	(This chart is a corrected reprint, corrected thru NM 48/2001)							
18XCO18020 (7642014011602)	San Diego to Cape Mendocino (LORAN-C)	1,444,000	<u>37</u>	<u>9/03</u>	NOS	1-98	47/03	
18AHA18446 (7642014011510)	<u>Apple Cove Pt to Keypoint</u>	25,000	<u>16</u>	<u>8/03</u>	NOS	1-82,98	47/03	
	<u>Inset: Agate Passage</u>	10,000						
18AHA18650 (7642014011523)	San Francisco Bay	20,000	<u>52</u>	<u>9/03</u>	NOS	1-98	47/03	
	Continuation to San Leandro Bay	20,000						
MISCELLANEOUS CHARTS AND PUBLICATIONS								
DNCDXVDU (7644014946812)	Digital Nautical Chart (DNC) - VPF Database Update (VDU)		<u>19</u>	<u>9/03</u>	DS	10-43	47/03	

Price Categories effective 1 October 2002

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

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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

NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS

PUB 154 8 Ed 2002 LAST NM 42/03

Page 80—Line 31/R; insert after:

The Powell River Floating Breakwater has been reconfigured to have its entrance at the S end, and is lighted on both sides of the opening.

(US NM 43/03)

47/03

PUB 163 8 Ed 2002 LAST NM 43/03

Page 14—Lines 44 to 55/R; read:

Pulau Ritan, 137m high, is located 5.8 miles S of Pulau Lintang. It is surrounded by a reef that projects 0.5 mile E from its N part. An islet, 85m high, stands on the E edge of this reef. A conspicuous white rock, 12.2m high, lies on the reef off the W side of Pulau Ritan. A reef extends 0.5 mile S of the S extremity of the island.

An islet, 61m high, which has an extensive reef extending 0.5 mile from its W through N to NE sides, is located 1.3 miles NE of Pulau Ritan. A light, which has an elevation of 17m, has been established on the islet.

A flat rock, 9.1m high, marks the extremity of the reef extending from its W side. Brownrigg Rock, with a least depth of 3.6m, lies 2.5 miles NE of Pulau Ritan.

(28)(200)03 Jakarta

47/03

PUB 172 9 Ed 2001 LAST NM 46/03

Page 165—Lines 42 to 47/L; read:

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

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

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

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

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

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

Regulations.—Vessels must send their ETA when departing their previous port. The ETA should also be sent 96 hours, 48 hours, 24 hours, and 5 hours prior to arrival. Any changes to the vessel's ETA should be sent, as follows:

1. A change of more than 12 hours from the initial ETA sent from the departure port.

2. A change of more than 6 hours following the 96-hour message and before the 24-hour message.

3. A change of more than 2 hours following the 24-hour message.

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

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

(BA NP 286(3); US NM 13/02, Section II) 47/03

Page 167—Line 56/L; read:

over 150 nrt and is available 24 hours. Pilots can be contacted on VHF channel 14 and board

(BA NP 286(3)) 47/03

Page 167—Line 2/R; read:

then contact Port Control 3 hours before arrival on VHF channel 14 or 16.

(BA NP 286(3)) 47/03

Page 167—Line 57/R; read:

contacted on VHF channel 12 and board about 1.5 miles NE of Jazirat al

(BA NP 286(3)) 47/03

Page 168—Lines 5 to 6/L; read:

PETROMAR MUSCAT by telex or fax. Any change in excess of 2 hours must also be sent.

(BA NP 286(3)) 47/03

Page 168—Line 26/L; insert after:

15. Bow to manifold distance in meters.

16. Statement from master stating all lifting gear to be used is in good working order, with up-to-date certifications.

17. Whether any maintenance or repairs planned in the anchorage.

18. Vessel's nrt.

19. Maximum hydrogen sulfide levels in vessel's cargo tanks.

(BA NP 286(3); PUBS 017-03) 47/03

Page 168—Line 30/L; read:

provided UHF radio, with VHF channel 12 for back-up.

(BA NP 286(3)) 47/03

PUB 172 (Continued)

Page 179—Line 33/L; insert after:

Iranian Ports and Shipping Organization Home Page
<http://www.ir-psos.com>

(BA NP 286(3)) 47/03

Page 190—Lines 16 to 17/R; read:

Pilotage.—Pilotage is compulsory and is available 24 hours. The pilot boards 2 miles E of the terminal.

Regulations.—The vessel's ETA should

(BA NP 286(3)) 47/03

Page 192—Line 47/L; insert after:

Iranian Ports and Shipping Organization Home Page
<http://www.ir-psos.com>

(BA NP 286(3)) 47/03

Page 199—Lines 17 to 19/R; read:

hours prior to arrival through Bandar-e Abbas Coast Radio Station. The message should include cargo,

(BA NP 286(3)) 47/03

Page 223—Lines 31 to 33/R; read:

Regulations.—Vessels are required to radio their ETA at Jazirat Halul, plus select information, at least 72 hours in advance, confirming 24 hours prior to arrival. The ETA should also be confirmed 4 hours in advance on VHF channel 16 through Halul Radio. The vessel's ETA message should include

(BA NP 286(3)) 47/03

Page 224—Lines 40 to 41/R; read:

chart.

Al Rayyan Oil Field ($26^{\circ}39'N$, $51^{\circ}33'E$), about 22 miles WNW of Al Shaheen Oil Field and Terminal, consists of a production platform and floating storage tanker. Vessels send their ETA 72 hours, 48 hours, and 24 hours in advance. Pilotage is available; pilots board about 2 miles NE of the terminal.

Between Ras Laffan and Ras Rakan, about 24 miles NW,
(BA NP 286(3)) 47/03

Page 231—Lines 41/L to 25/R; read:

Pilotage

Pilotage is compulsory for vessels over 250 grt intending to transit the entrance channel to Khawr Al Qulayah.

Vessels between 250 and 1,500 grt may be given permission to proceed without a pilot according to the circumstances prevailing at the time.

Bahrain Pilots provides pilotage for all vessels bound for Khawr al Qulayah, as well as the GIIC Terminal, the Alba Jetty, and the BAPCO Terminal.

ASRY Pilots provides pilotage for vessels bound the ASRY Drydock.

Both pilotage authorities coordinate their activities through Bahrain Port Control.

Vessels should send their ETA to the pilot 24 hours and 12 hours prior to arrival.

Pilots board 0.3 mile SE of Sitrah Lighted Buoy, except for the BAPCO Terminal; pilots for this facility board at the anchorage.

Regulations

GIIC Terminal.—Vessels should send their ETA at least 72 hours in advance, via Bahrain (A9M), including the following information:

1. Last three ports of call.
2. Arrival drafts, fore and aft, and berthing displacement.
3. State of readiness to berth/unload.

When within VHF range, vessels should establish contact on VHF channel 68 with Bahrain Port Control and the BAPCO Terminal to obtain the latest movement schedule from Bahrain Pilots.

BAPCO Terminal (Bahrain Petroleum Company BSC Terminal).—Vessels should send their ETA, draft, and bunker fuel requirements 48 hours in advance through Bahrain (A9M). When within VHF range and when at anchor, vessels should maintain a continuous listening watch on VHF channel 16 and 74. The BAPCO terminal can be contacted by e-mail, as follows:

info@bapco.net

ASRY Drydock.—Vessels should send their ETA at least 72 hours in advance, via Bahrain (A9M), including the following information:

1. Last three ports of call.
2. Arrival drafts, fore and aft, and berthing displacement.
3. State of readiness to berth/unload.
4. Whether vessel is gas free and ready to berth.
5. Whether vessel requires tank cleaning.

When within VHF range, vessels should establish contact on VHF channel 16 with the ASRY Drydock.

Alba Jetty (Aluminum Bahrain).—Vessels should send their ETA at least 72 hours in advance, via Bahrain (A9M), including the following information:

1. Last three ports of call.
2. Arrival drafts, fore and aft, and berthing displacement.
3. State of readiness to berth/unload.
4. Bunker requirements.

When within VHF range, vessels should establish contact with Bahrain Port Control and the BAPCO Terminal on VHF channel 8 to obtain the latest movement schedule from Bahrain Pilots. When alongside, vessels communicate with the wharf staff on VHF channel 8.

Vessel Traffic Management System.—A Vessel Traffic Management System is in operation in the approaches to the

SECTION II

NM 47/03

PUB 172 (Continued)

port, including the Deepwater Fairway and the Northeast Approach Channel.

Inbound vessels over 50 grt should contact Bahrain Port Control Operations, as follows:

1. Vessels should radio their ETA at Sitrah Lighted Buoy (26°11'N., 50°43'E.), with draft and details of any deficiencies in vessel handling or seaworthiness, when within VHF range.

2. Vessels using Deepwater Fairway should request permission to proceed past Lighted Buoy No. 3 (26°29'N., 50°57'E.).

3. When passing the charted Reporting Points.

4. Vessels should report their intention to anchor to Port Control in sufficient time for an alternative anchorage to be stipulated.

5. When berthed, moored, or anchored.

Outbound vessels over 50 grt should contact Bahrain Port Control Operations, as follows:

1. Vessels should contact Port Control 15 minutes before, and immediately prior to, getting underway.

2. When passing the charted Reporting Points.

3. Vessels using Deepwater Fairway should request permission to proceed past Bahrain Approach Lighted Buoy.

All vessels are required to maintain a continuous listening watch on VHF channel 74 when within the port area, including while anchored. Bahrain Port Control should be contacted if the vessel is to shift berth or anchorage and again when the vessel is situated.

Vessels berthing at Sitrah should have their outboard anchor cleared and ready to let go before approaching the dock; however, the anchor should not be let go in the vicinity of the dock, except on the advice of the Mooring Master.

(BA NP 286(3))

47/03

Page 236—Line 38/R; read:

Regulations.—The vessel's ETA should be sent upon departure from the last

(NIMA)

47/03

Page 237—Line 5/L; insert after:

Details of the vessel's radar equipment are required prior to arrival.

(BA NP 286(3))

47/03

Page 239—Lines 7 to 10/L; strike out.

(NIMA)

47/03

Page 239—Lines 14 to 16/L; read:

Regulations

(NIMA)

47/03

Page 240—Lines 3 to 7/L; read:

Pilotage.—Pilotage is compulsory for the port. Pilots board by helicopter W of Gharbarah Beacon (26°59.5'N., 50°13.0'E.). The helicopter service operates on VHF channels 11, 12, 13, 14, and 16.

Regulations.—Vessels bound for the port may be in-

structed to anchor at the
(BA NP 286(3))

47/03

Page 241—Line 45/L; read:

than 150 nrt and is available 24 hours. Pilots may be ordered through Jubayl Port

(BA NP 286(3))

47/03

Page 243—Lines 52 to 57/R; read:

The mooring master boards at the tanker anchorage N of Berth No. 4.

Regulations.—The vessel's ETA should be sent 72 hours and 6 hours in advance. The terminal can be contacted by e-mail, as follows:

tmd@agoc-aoc.sa

Vessels should confirm the ETA before arrival, inform Port Control of the time of anchoring, and maintain a continuous listening watch on VHF channel 16.

(BA NP 286(3))

47/03

Page 244—Line 31/L; read:

The terminal can be contacted by e-mail, as follows:

deranar@texaco.com

(BA NP 286(3))

47/03

Page 246—Lines 28 to 32/L; read:

Regulations.—Weather permitting, ships are berthed day or night and may depart at any time. The vessel's ETA should be sent 72 hours, 48 hours, 24 hours, and 12 hours in advance through the agent.

Every ship entering and departing port

(BA NP 286(3))

47/03

Page 247—Lines 11 to 22/L; read:

Pilotage.—Pilotage is compulsory and is available 24 hours. Pilots board from a white launch about 1.5 miles E of the Petroleum Products Pier. Tugs come alongside after the pilot boards and secure on the offshore side.

Regulations.—Ships berth heading into the current. Vessels over 198m in length berth/unberth during daylight hours only.

Vessels send their ETA, vessel details, and cargo details 72 hours and 36 hours in advance. The confirmation of the ETA should be sent 12 hours in advance.

Vessels carrying explosives or dangerous cargo must declare quantities and categories of same when they report their ETA.

The National Flag of Kuwait must be

(BA NP 286(3))

47/03

Page 250—Lines 8 to 10/R; read:

channel. The vessel's ETA should be sent 24 hours before

PUB 172 (Continued)

arrival, along with the following information:

(BA NP 286(3))

47/03

Page 250—Line 33/R; insert after:

Vessels should maintain a continuous listerning watch on VHF channel 16 when approaching Ras al Ard ($29^{\circ}21'N$, $48^{\circ}06'E$) from seaward. Vessels at anchor awaiting berthing instructions should listen on VHF channel 16, as follows:

- a. 0400 to 0600.
- b. 0800 to 1100.
- c. 1600 to 1800.

(BA NP 286(3))

47/03

Page 256—Line 30/L; insert after:

Iranian Ports and Shipping Organization Home Page
http://www.ir-pso.com

(BA NP 286(3))

47/03

Page 260—Line 59/R; insert after:

Iranian Ports and Shipping Organization Home Page
http://www.ir-pso.com

(BA NP 286(3))

47/03

Page 261—Line 11/R; read:

Regulations.—The Quarantine Medical Officer boards ships on arrival off

(NIMA)

47/03

PUB 175 7 Ed 2001**LAST NM 43/03**

Page 49—Line 49/L; insert after:

Directions.—The port is marked by a leading line bearing 045.2° .

(18(598)03 Wollongong)

47/03

PUB 180 3 Ed 2002**LAST NM 44/03**

Page 113 to Page 116; replace with below:

New pages 113, 114, 115, 116, 116A, 116B, and 116C from back of this Subsection.

(BA NP 10, Supp. 7/02; BA NP 72, Supp. 2/02; BA NM 39/03, Section IV)

47/03

Page 117—Line 7/L; insert after:

Area No. 8.—Between Reka Voryema and Guba Pechenga—Lies within an area bounded by lines joining:

- a. $69^{\circ}47.2'N$, $30^{\circ}51.1'E$.
- b. $69^{\circ}50.6'N$, $30^{\circ}52.1'E$.
- c. $69^{\circ}50.6'N$, $31^{\circ}09.6'E$.
- d. $69^{\circ}48.7'N$, $31^{\circ}22.8'E$.
- e. $69^{\circ}44.0'N$, $31^{\circ}36.5'E$.
- f. $69^{\circ}40.5'N$, $31^{\circ}36.1'E$.

Area No. 6.—When entering Guba Bolshaya Volokovaya—Lies within an area bounded by lines joining:

- a. $69^{\circ}50.3'N$, $31^{\circ}50.8'E$.
- b. $69^{\circ}53.7'N$, $31^{\circ}50.8'E$.
- c. $69^{\circ}55.2'N$, $31^{\circ}44.3'E$.
- d. $69^{\circ}50.3'N$, $31^{\circ}44.3'E$.

Area No. 4.—Along the N coast of Poluostrov Rybachiy—Lies within an area bounded by lines joining:

- a. $69^{\circ}48.4'N$, $32^{\circ}40.6'E$.
- b. $69^{\circ}49.2'N$, $32^{\circ}45.1'E$.
- c. $69^{\circ}56.3'N$, $32^{\circ}20.1'E$.
- d. $69^{\circ}59.0'N$, $32^{\circ}03.3'E$.
- e. $69^{\circ}59.0'N$, $31^{\circ}59.0'E$.
- f. $69^{\circ}57.7'N$, $31^{\circ}57.4'E$.
- g. $69^{\circ}57.1'N$, $32^{\circ}04.1'E$.
- h. $69^{\circ}53.2'N$, $32^{\circ}20.9'E$.

(BA NP 72, Supp. 2/02)

47/03

Page 117—Lines 41 to 44/L; read:

- a. $66^{\circ}59.9'N$, $41^{\circ}45.0'E$.
- b. $66^{\circ}59.9'N$, $42^{\circ}19.9'E$.
- c. $66^{\circ}49.9'N$, $42^{\circ}19.9'E$.
- d. $66^{\circ}49.9'N$, $41^{\circ}45.0'E$.

(BA NP 72)

47/03

Page 118—Lines 12 to 26/R; read:

Area No. 53.—Bolshaya Srednyaya Koshka—Lies within an area bounded by lines joining:

- a. $66^{\circ}59.9'N$, $41^{\circ}48.2'E$.
- b. $67^{\circ}02.9'N$, $43^{\circ}29.4'E$.
- c. $67^{\circ}14.9'N$, $43^{\circ}33.4'E$.
- d. $67^{\circ}12.1'N$, $42^{\circ}00.0'E$.

Area No. 70.—Bartents Sea—Ostrov Novaya Zemlya—Guba Belushya—Lies within an area bounded on the E and W by the coastline and by lines joining:

- a. $71^{\circ}30.1'N$, $52^{\circ}14.2'E$.
- b. $71^{\circ}31.0'N$, $52^{\circ}13.8'E$.
- c. $71^{\circ}31.0'N$, $52^{\circ}20.2'E$.
- d. $71^{\circ}28.8'N$, $52^{\circ}23.8'E$.
- e. $71^{\circ}27.1'N$, $52^{\circ}21.5'E$.
- f. $71^{\circ}26.7'N$, $52^{\circ}19.3'E$.
- g. $71^{\circ}21.7'N$, $52^{\circ}18.1'E$.

Area No. 58.—Barents Sea—West part of Proliv Shar—Lies within an area bounded on the E by the meridian of $54^{\circ}16.9'E$, by the coastline of the strait, and by lines joining:

- a. $73^{\circ}16.9'N$, $53^{\circ}47.6'E$.
- b. $73^{\circ}18.6'N$, $53^{\circ}47.6'E$.
- c. $73^{\circ}21.6'N$, $53^{\circ}55.8'E$.
- d. $73^{\circ}21.6'N$, $54^{\circ}04.4'E$.

Area No. 63.—Kara Sea—East part of Proliv Yugorskiy Shara—Lies within an area bounded by lines joining:

- a. $69^{\circ}47.9'N$, $60^{\circ}34.2'E$.
- b. $69^{\circ}47.9'N$, $60^{\circ}39.6'E$.
- c. $69^{\circ}41.4'N$, $60^{\circ}35.7'E$.
- d. $69^{\circ}41.4'N$, $60^{\circ}34.1'E$.
- e. $69^{\circ}42.1'N$, $60^{\circ}30.6'E$.

PUB 180 (Continued)

Area No. 73.—Kara Sea—Approaches to Amderma Roadstead—Lies within an area bounded by lines joining:

- a. 69°51.6'N, 61°06.6'E.
- b. 69°52.4'N, 61°06.6'E.
- c. 69°52.4'N, 61°51.1'E.
- d. 69°44.9'N, 61°51.1'E. and continuing along the coastline to Mys Tonkiy, including Proliv Morozova.

Area No. 72.—Kara Sea—N part of Obskaya Guba—Lies within an area bounded by the shore and boundary lines, as follows:

1. North boundary—A line joining Mys Drovyanoy Obskiy, Mys Shuberta (Ostrov Belyy), and Ostrov Shokalskiy (73°01'N., 74°07'E.).
2. East boundary—The coastline.
3. South boundary—The parallel of 72°12'N.
4. West boundary—The coastline.

Area No. 65A.—Kara Sea—North of Ostrov Dikson—Lies within an area bounded by the coastline between the extremities of Mys Kregatnik and Mys Neonovvy and lines joining:

- a. 73°31.1'N, 80°27.8'E.
- b. 73°30.9'N, 80°31.0'E.
- c. 73°31.9'N, 80°32.2'E.
- d. 73°34.2'N, 80°25.2'E.
- e. 73°34.2'N, 80°16.1'E.
- f. 73°32.1'N, 80°16.1'E.

Area No. 65B.—Kara Sea—South of Ostrov Dikson—Lies within an area bounded by lines joining:

- a. 73°28.6'N, 80°32.3'E.
- b. 73°28.6'N, 80°13.5'E.
- c. 73°25.0'N, 80°13.5'E.
- d. 73°25.0'N, 80°39.5'E.

Area No. 71.—Kara Sea—Yeniseyskiy Zaliv—West of Ostrov Krestovskiy—Lies within an area bounded by lines joining:

- a. 72°22.5'N, 80°22.7'E.
- b. 72°27.3'N, 80°13.3'E.
- c. 72°29.6'N, 80°13.3'E.
- d. 72°29.6'N, 80°34.3'E.
- e. 72°23.7'N, 80°45.3'E.
- f. 72°22.5'N, 80°45.3'E.

(BA NP 10, Supp. 7/02)

47/03

COAST PILOT CORRECTIONS

**COAST PILOT 4 35 Ed 2003 Change No. 17
LAST NM 46/03**

Page 137—Paragraph 1980, line 2; read:
operating procedures are set forth in Part 161 of this chapter.

§164.46 Automatic Identification System (AIS).

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

- (1) Self-propelled vessels of 65 feet or more in length, other than passenger and fishing vessels, in commercial

service and on an international voyage, not later than December 31, 2004.

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

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

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

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

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

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

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

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

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

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

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

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

(d) The AIS Pilot Plug, on each vessel over 1,600 gross

COAST PILOT 4 (Continued)

tons, on an international voyage, must be available for pilot use, easily accessible from the primary conning position of the vessel, and near a 120 Volt, AC power, 3-prong receptacle.

(FR 10/22/03)

47/03

Page 274—Paragraph 20, lines 7 to 13; read:

In May 2003, the controlling depths were 8.3 feet (9.6 feet at midchannel) in the entrance channel to the safety area and 8.3 feet in the basin inside Lake Rudee entrance jetties, except for lesser depths along the south and west edges. In July 2002, natural depths of 5.4 to 7 feet were in the safety area and in the short channel to the narrow jettied entrance to Lake Rudee. Rudee Inlet is marked by buoys, a light and ...

(BPs 181707-08; CL 1580/03)

47/03

Page 292—Paragraph 263, line 6; read:

reported depths of 4.6 feet or more in June 2003 for about 1.5 miles above the entrance; thence in 1983, reported depths of 5 feet or more to **Lees Landing** ...

(DB 2319)

47/03

Page 320—Paragraph 13, lines 9 to 12; read:

March 2003, the reported midchannel controlling depths were 6.6 feet from the Intracoastal Waterway to Lockwoods Folly River Daybeacon 16, thence 4.2 feet to Supply. The river ...

(DB 2323)

47/03

Appendix I**RUSSIAN FEDERATION REGULATED AREAS**

The numbers given to the areas and their limits are those promulgated in Russian Federation Notices to Mariners and the positions are referred to the Russian Federation chart datums.

Areas Prohibited for Navigation

Area No. 3. North coast of Poluostrov Rybachiy. Lies within an area enclosed by the shore and lines joining:

- a. 69°53.0'N, 32°20.0'E.
- b. 69°54.4'N, 32°21.9'E.
- c. 69°50.0'N, 32°18.0'E.
- d. 69°47.0'N, 32°15.0'E.

Area No. 7. North coast of Poluostrov Rybachiy. Lies within an area bounded by lines joining:

- a. 69°41.5'N, 33°06.5'E.
- b. 69°39.3'N, 33°19.3'E.
- c. 69°33.2'N, 33°17.3'E.
- d. 69°35.0'N, 32°57.5'E.

Area No. 9. South of Mys Gerodetskiy. Lies within an area bounded by lines joining:

- a. 69°29.9'N, 32°42.0'E.
- b. 69°30.9'N, 32°43.0'E.
- c. 69°30.9'N, 32°45.5'E.
- d. 69°29.8'N, 32°53.9'E.
- e. 69°28.6'N, 32°52.6'E.

Area No. 130.—Motovskiy Zaliv.—Lies within an area bounded by lines joining:

- a. 69°35.0'N, 32°33.0'E.
- b. 69°35.2'N, 32°54.6'E.
- c. 69°30.6'N, 32°53.0'E.
- d. 69°33.6'N, 32°31.4'E.

Area No. 11.—Guba Zapadnaya Litsa.—Lies within an area S of lines joining:

- a. 69°30.4'N, 32°29.8'E.
- b. 69°30.2'N, 32°33.2'E.
- c. 69°29.1'N, 32°33.3'E.

Area No. 12.—Guba Zapadnaya Litsa.—Lies within an area S of lines joining:

- a. 69°27.8'N, 32°54.2'E.
- b. 69°27.6'N, 32°56.1'E.
- c. 69°27.6'N, 32°56.6'E.
- d. 69°27.1'N, 32°58.0'E.

Area No. 13.—Guba Zapadnaya Litsa.—South of a line joining Mys Vyvye Navolok (W arm) and W of 33°04.5'E (E arm).

Area No. 131.—Guba Zelenetskaya Zapadnaya.—Lies within an area S of a line joining:

- a. 69°16.9'N, 33°42.7'E.
- b. 69°16.9'N, 33°43.4'E.

Area No. 27.—Guba Delga Zapadnaya—Along the line joining Mys Chernyy (69°18.6'N., 33°49.7'E.) and Mys Dolgii (69°17.9'N., 33°48.2'E.).

Area No. 125.—West of Ostrov Kil'din—Lies within an area bounded by lines joining:

- a. 69°20.7'N, 33°16.0'E.
- b. 69°21.6'N, 33°16.0'E.
- c. 69°24.0'N, 33°53.5'E.
- d. 69°20.7'N, 33°53.5'E.

Area No. 16. Proliv Kuvshinskaya Salma (69°18.0'N., 33°21.6'E.)

Area No. 18. West of line joining Ostrov Sedlovatyy (69°15.4'N., 33°28.8'E.) and Bol'shoy Oleniy (69°13.8'N., 33°29.3'E.)

Area No. 19. Yekaterininskaya Gavan (69°12.3'N., 33°29.3'E.)

Area No. 20.—East of Mys Shurinov—Lies within an area enclosed by the shore and lines joining:

- a. 69°10.8'N, 33°28.8'E.
- b. 69°10.8'N, 33°31.4'E.
- c. 69°10.1'N, 33°31.4'E.
- d. 69°09.4'N, 33°29.9'E.
- e. 69°09.4'N, 33°29.0'E.

Area No. 21.—Guba Vayenga—Lies within an area enclosed by the shore and lines joining:

- a. 69°07.4'N, 33°27.4'E.
- b. 69°06.4'N, 33°25.0'E.
- c. 69°05.4'N, 33°22.1'E.
- d. 69°04.8'N, 33°21.4'E.

Area No. 23.—Guba Chalmpushka (69°03.7'N., 33°14.3'E.) and Guba Roslyakova (69°03.5'N., 33°12.3'E.)

Area No. 25.—Southwest of Mys Pinagoriy—Lies within an area enclosed by the shore and lines joining:

- a. 69°02.5'N, 33°04.4'E.
- b. 69°02.5'N, 33°04.0'E.
- c. 69°03.7'N, 33°04.3'E.
- d. 69°03.2'N, 33°05.4'E.
- e. 69°03.1'N, 33°05.5'E.

Area No. 31.—Approaches to Lumbovskiy Zaliv—Lies within an area enclosed by the shore and lines joining:

- a. 67°54.7'N, 40°15.5'E.
- b. 68°00.0'N, 40°27.6'E.
- c. 67°48.7'N, 41°02.7'E.
- d. 67°43.0'N, 40°50.0'E.

Area No. 128.—Guba Savikha—Lies within an area bounded by lines joining:

- 68°19.7'N, 39°06.3'E.
- 68°21.0'N, 39°08.3'E.
- 68°18.3'N, 39°17.5'E.
- 68°17.1'N, 39°14.9'E.

Area No. 126.—Svyatonošskiy Zaliv—Lies within an area bounded by lines joining:

- 68°05.4'N, 39°25.3'E.
- 68°05.8'N, 39°26.3'E.
- 68°04.0'N, 39°31.6'E.
- 68°17.1'N, 39°30.6'E.

Area No. 129. South of Ostrov Salnyy Lies within an area bounded by lines joining:

- 68°03.8'N, 39°32.9'E.
- 68°03.6'N, 39°33.5'E.
- 68°03.5'N, 39°33.2'E.
- 68°03.7'N, 39°32.6'E.

Area No. 38. Dvinsky Zaliv Lies within an area enclosed by the shore and lines joining:

- 65°06.3'N, 37°22.0'E.
- 65°11.3'N, 37°33.5'E.
- 65°05.0'N, 37°49.5'E.
- 65°01.5'N, 37°41.4'E.

Area No. 41.—Dvinsky Zaliv—Port Arkhangel'sk—Lies within an area enclosed by the shore and lines joining:

- 64°31.1'N, 40°33.4'E.
- 64°31.2'N, 40°33.6'E.
- 64°31.1'N, 40°33.8'E.
- 64°31.1'N, 40°34.0'E.

Area No. 184.—North of Ostrov Zhizhginshy—Lies within an area bounded by lines joining:

- 65°50'N, 36°54'E.
- 65°45'N, 36°44'E.
- 65°48'N, 36°29'E.
- 65°54'N, 36°40'E.

Area No. 186.—Dvinsky Zaliv—Lies within an area enclosed by the shore and lines joining:

- 64°38.1'N, 39°48.1'E.
- 64°40.1'N, 39°34.4'E.
- 64°32.7'N, 39°34.4'E.

Area No. 32.—Kandalakshskiy Zaliv—Lies within an area enclosed by the shore and lines joining:

- 66°32.4'N, 34°32.1'E.
- 66°29.1'N, 34°27.2'E.
- 66°33.8'N, 34°04.4'E.
- 66°36.4'N, 34°08.3'E.
- 66°37.8'N, 34°22.8'E.

Area No. 33.—Lies within an area bounded by lines joining:

- 66°30.1'N, 33°45.8'E.
- 66°33.7'N, 33°49.8'E.
- 66°26.0'N, 34°35.4'E.
- 66°22.4'N, 34°31.8'E.

Area No. 34.—Lies within an area bounded by lines joining:

- 66°35.0'N, 33°59.0'E.
- 66°38.4'N, 34°04.0'E.
- 66°38.7'N, 33°51.8'E.
- 66°37.7'N, 33°50.4'E.

Area No. 42.—Barents Sea—Ostrov Novaya Zemlya—Zaliv Mollcra—Lies within an area enclosed by the shore and lines joining:

- 71°38'N, 51°34'E.
- 71°35'N, 51°00'E.
- 72°05'N, 51°00'E.
- 72°14'N, 51°15'E.
- 72°43'N, 52°25'E.

Area No. 43. Barents Sea Ostrov Novaya Zemlya Guba Belushya Lies within an area enclosed by the shore and lines joining:

On the W:

- 73°21.4'N, 54°04.3'E. (Mys Serebryanyy)
- 73°17.6'N, 53°56.3'E. (Mys Atelbovyy)

On the E:

- 73°14.1'N, 56°14.9'E. (Mys Vykhpdnoy)
- 73°09.3'N, 56°34.0'E. (Mys Rok)

Kara Sea—Reka Yenisey—Northwest of Port Dudinka—Lies within an area bounded by lines joining:

- 69°25.4'N, 86°07.9'E.
- 69°25.6'N, 86°07.7'E.
- 69°25.7'N, 86°08.2'E.
- 69°25.5'N, 86°08.4'E.

Areas Prohibited for Anchoring, Fishing, Dredging, Underwater Explosions, and Navigating with Trailing Anchor

Area No. 44.—Entering Guba Pečenga—Lies within an area enclosed by the shore and lines joining:

- 69°41.7'N, 31°26.2'E.
- 69°41.8'N, 31°26.4'E.
- 69°41.3'N, 31°29.8'E.
- 69°40.8'N, 31°27.8'E.
- 69°41.1'N, 31°26.8'E.

Area No. 45.—Guba Pečenga—Lies within an area enclosed by the shore and lines joining:

- 69°43.3'N, 31°33.5'E.
- 69°41.6'N, 31°33.5'E.
- 69°41.5'N, 31°26.7'E.
- 69°43.3'N, 31°26.7'E.

Area No. 46.—Guba Malaya Volokovaya—Lies within an area enclosed by the shore and lines joining:

- 69°40.7'N, 31°38.0'E.
- 69°41.1'N, 31°38.0'E.
- 69°40.6'N, 31°40.6'E.
- 69°40.8'N, 31°42.2'E.
- 69°39.4'N, 31°49.1'E.

Area No. 47.—Guba Malaya Volokovaya—Lies within an area enclosed by the shore and lines joining:

- a. 69°41.1'N, 31°38.0'E.
- b. 69°41.3'N, 31°29.8'E.
- c. 69°46.0'N, 31°42.0'E.
- d. 69°44.7'N, 31°42.5'E.
- e. 69°40.8'N, 31°33.5'E.
- f. 69°41.1'N, 31°31.3'E.

Area No. 48.—Entering Guba Bolshaya Volokovaya—Lies within an area bounded by lines joining:

- a. 69°50.4'N, 31°47.3'E.
- b. 69°50.2'N, 31°44.6'E.
- c. 69°54.0'N, 31°48.8'E.
- d. 69°53.7'N, 31°51.0'E.

Area No. 49. North of Poluostrov Rybachiy—Lies within an area enclosed by the shore and lines joining:

- a. 69°55.3'N, 31°54.4'E.
- b. 69°55.3'N, 31°42.7'E.
- c. 70°01.2'N, 31°42.7'E.
- d. 70°01.2'N, 32°03.5'E.
- e. 69°50.1'N, 33°00.0'E.
- f. 69°45.2'N, 33°00.0'E.

Area No. 50. Guba Skorbeyevskiy—Lies within an area bounded by lines joining:

- a. 69°54.1'N, 32°18.0'E.
- b. 69°54.4'N, 32°20.4'E.
- c. 69°53.8'N, 32°22.7'E.
- d. 69°53.3'N, 32°21.2'E.

Area No. 54.—Guba Laush—Lies within an area enclosed by the shore and lines joining:

- a. 69°45.2'N, 33°00.0'E.
- b. 69°46.1'N, 33°01.5'E.
- c. 69°45.2'N, 33°03.5'E.
- d. 69°44.3'N, 33°02.9'E.
- e. 69°44.4'N, 33°02.2'E.

Area No. 56.—East of Poluostrov Rybachiy—Lies within an area bounded by lines joining:

- a. 69°41.5'N, 33°10.9'E.
- b. 69°42.0'N, 33°08.6'E.
- c. 69°42.9'N, 33°07.1'E.
- d. 69°42.7'N, 33°09.0'E.

Area No. 59.—Southwest of Guba Eyna—Lies within an area enclosed by the shore and lines joining:

- a. 69°37.0'N, 32°23.3'E.
- b. 69°35.5'N, 32°27.5'E.
- c. 69°34.4'N, 32°26.4'E.
- d. 69°36.5'N, 32°09.0'E.
- e. 69°38.2'N, 32°10.5'E.

Area No. 60.—Entering Guba Titovka—Lies within an area bounded by lines joining:

- a. 69°35.6'N, 32°07.3'E.
- b. 69°35.8'N, 32°04.8'E.

- c. 69°35.4'N, 32°02.8'E.
- d. 69°36.7'N, 32°03.4'E.
- e. 69°36.2'N, 32°05.1'E.
- f. 69°36.0'N, 32°07.6'E.

Area No. 61.—Southeast of Mys Piksuyev—Lies within an area enclosed by the shore and lines joining:

- a. 69°33.3'N, 32°26.4'E.
- b. 69°32.0'N, 32°33.0'E.
- c. 69°30.2'N, 32°33.2'E.
- d. 69°30.4'N, 32°29.8'E.

Area No. 64. Entering Guba Ara—Lies within an area enclosed by the shore and lines joining:

- a. 69°27.1'N, 32°58.0'E.
- b. 69°27.6'N, 32°56.6'E.
- c. 69°27.6'N, 32°56.1'E.
- d. 69°27.8'N, 32°54.2'E.
- e. 69°28.6'N, 32°55.3'E.
- f. 69°32.2'N, 32°40.7'E.
- g. 69°30.6'N, 32°53.0'E.
- h. 69°31.3'N, 32°53.7'E.
- i. 69°29.4'N, 32°02.5'E.
- j. 69°27.2'N, 33°01.4'E.

Area No. 65. Northeast of Mys Vyvye Navolok—Lies within an area enclosed by the shore and lines joining:

- a. 69°27.4'N, 33°03.8'E.
- b. 69°28.5'N, 33°06.0'E.
- c. 69°28.1'N, 33°09.4'E.
- d. 69°26.8'N, 33°06.8'E.
- e. 69°26.8'N, 33°04.7'E.

Area No. 66.—West arm of Guba Ura—Lies within an area enclosed by the shore and lines joining:

- a. 69°23.4'N, 32°59.3'E.
- b. 69°23.4'N, 32°57.4'E.
- c. 69°23.9'N, 32°58.8'E.
- d. 69°23.9'N, 32°00.6'E.

Area No. 67.—Entrance to Kol'skiy Zaliv—Lies within an area bounded by the shore and lines joining:

- a. 69°18.1'N, 33°38.6'E.
- b. 69°18.3'N, 33°35.5'E.
- c. 69°17.8'N, 33°33.3'E.
- d. 69°18.6'N, 33°29.7'E.
- e. 69°23.0'N, 33°29.7'E.
- f. 69°20.2'N, 33°49.2'E.
- g. 69°18.1'N, 33°42.4'E.

Area No. 81.—Kol'skiy Zaliv—Northeast of Ostrov Toros—Lies within an area bounded by the circle, with a radius of 0.3 mile, centered on position 69°18.9'N, 33°29.4'E.

Area No. 82.—Southeast of Ostrov Toros—Lies within an area bounded by lines joining:

- a. 69°17.0'N, 33°30.0'E.
- b. 69°17.0'N, 33°28.8'E.
- c. 69°17.6'N, 33°28.8'E.
- d. 69°17.7'N, 33°30.0'E.

Area No. 113.—Entrance to Guba Tyrra.—Lies within an area enclosed by lines joining:

- a. 69°12.1'N, 33°33.6'E.
- b. 69°12.1'N, 33°34.6'E.
- c. 69°11.7'N, 33°34.7'E.
- d. 69°11.7'N, 33°33.7'E.

Area No. 85.—Between Ostrov Sal'nyy and Ostrov Shurinov.—Lies within an area bounded by lines joining:

- a. 69°06.7'N, 33°27.0'E.
- b. 69°07.3'N, 33°25.0'E.
- c. 69°09.6'N, 33°29.6'E.
- d. 69°09.6'N, 33°33.2'E.
- e. 69°07.9'N, 33°29.8'E.
- f. 69°07.7'N, 33°30.3'E.

Area No. 114.—South of Mys Retinskiy.—Lies within an area enclosed by lines joining:

- a. 69°06.9'N, 33°24.0'E.
- b. 69°06.8'N, 33°24.7'E.
- c. 69°06.5'N, 33°24.2'E.
- d. 69°06.6'N, 33°23.5'E.

Area No. 84.—South of Mys Karbas.—Lies within an area enclosed by lines joining:

- a. 69°05.0'N, 33°27.0'E.
- b. 69°05.8'N, 33°25.9'E.
- c. 69°06.3'N, 33°25.6'E.
- d. 69°06.4'N, 33°26.5'E.
- e. 69°05.9'N, 33°26.7'E.
- f. 69°05.1'N, 33°26.8'E.

Area No. 86. Southeast of Mys Mishukov.—Lies within an area bounded by lines joining points with the following range/bearing combinations from Mishukov Lighthouse (69°02.6'N., 33°02.8'E.):

345.0°	74m
079.0°	407m
129.0°	463m
187.0°	296m
227.0°	130m

Area No. 87.—Southeast of Mys Abram.—Lies within an area bounded by lines joining points with the following range/bearing combinations from Commercial Port Primary Cargo Area No. 1 Lighted Beacon (68°58.5'N., 33°03.7'E.):

201.5°	1,051m
203.25°	960m
196.5°	923m
195.0°	1,015m

Area No. 88.—West entrance to Kildinskiy Proliv.—Lies within an area bounded by lines joining:

- 69°18.9'N, 33°53.6'E
- 69°20.5'N, 33°56.4'E
- 69°19.7'N, 34°01.1'E

Area No. 89.—Entering Kaldinskiy Proliv from E.—Lies within an area enclosed by lines joining:

- a. 69°16.3'N, 34°26.7'E.
- b. 69°21.2'N, 34°24.7'E.
- c. 69°19.9'N, 34°28.5'E.
- d. 69°20.1'N, 34°28.6'E.

Area No. 178.—Kaldinskiy Proliv.—Lies within an area bounded by lines joining:

- a. 69°20.3'N, 34°02.3'E.
- b. 69°20.0'N, 34°01.3'E.
- c. 69°19.7'N, 34°02.1'E.
- d. 69°20.1'N, 34°03.2'E.

Area No. 91.—West of Ostrov Malyy Oleniy.—Lies within an area bounded by lines joining:

- a. 69°15.8'N, 34°32.7'E.
- b. 69°16.2'N, 34°33.0'E.
- c. 69°16.5'N, 34°41.6'E.
- d. 69°15.8'N, 34°39.2'E.

Area No. 92.—Guba Teriberskaya.—Lies within an area bounded by lines joining:

- a. 69°10.2'N, 35°08.7'E.
- b. 69°12.2'N, 35°08.7'E.
- c. 69°12.7'N, 35°06.7'E.
- d. 69°15.6'N, 35°06.7'E.
- e. 69°15.6'N, 35°09.0'E.
- f. 69°15.5'N, 35°08.9'E.
- g. 69°14.2'N, 35°09.8'E.
- h. 69°11.2'N, 35°10.3'E, continuing along the coast to
- i. 69°10.8'N, 35°10.3'E.
- j. 69°10.2'N, 35°10.5'E.

Area No. 93.—Entering Guba Voronya.—Lies within an area bounded by lines joining:

- a. 69°12.6'N, 35°40.6'E.
- b. 69°13.6'N, 35°40.8'E.
- c. 69°13.3'N, 35°49.2'E.
- d. 69°12.3'N, 35°49.0'E.

Area No. 94.—Entering Guba Yamshnaya.—Lies within an area bounded by lines joining:

- a. 69°07.4'N, 36°03.1'E.
- b. 69°07.4'N, 36°02.7'E.
- c. 69°08.2'N, 36°02.0'E.
- d. 69°08.8'N, 36°00.7'E.
- e. 69°08.6'N, 36°04.0'E.
- f. 69°08.2'N, 36°04.0'E.

Area No. 95.—Proliv Bolshoy Oleniy.—Lies within an area bounded by lines joining:

- a. 69°05.1'N, 36°18.6'E.
- b. 69°04.5'N, 36°20.3'E, continuing along the coast to
- c. 69°03.8'N, 36°21.7'E.
- d. 69°03.7'N, 36°21.0'E.
- e. 69°04.3'N, 36°19.4'E.
- f. 69°04.4'N, 36°18.2'E.
- g. 69°04.5'N, 36°18.2'E, continuing along the coast to
- h. 69°05.1'N, 36°18.6'E.

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- Area No. 96.**—Priliv Bolshoy Oleniy—Lies within an area bounded by lines joining:
- 69°03.7'N, 36°22.2'E.
 - 69°03.4'N, 36°23.2'E.
 - 69°03.2'N, 36°25.7'E.
 - 69°03.5'N, 36°25.4'E.
- Area No. 97.**—South of Mys Karbas—Lies within an area bounded by lines joining:
- 68°57.5'N, 36°22.2'E.
 - 68°58.2'N, 36°18.5'E.
 - 68°53.6'N, 37°01.6'E.
 - 68°52.9'N, 37°03.0'E.
- Area No. 98.** Ostrov Kharlov Lies within an area bounded by lines joining:
- 68°47.7'N, 37°18.7'E.
 - 68°50.0'N, 37°13.3'E.
 - 68°49.6'N, 37°17.8'E.
 - 68°48.7'N, 37°17.8'E.
 - 68°47.9'N, 37°19.7'E.
- Area No. 99.** Mys Chernyy Lies within an area bounded by lines joining:
- 68°23.2'N, 38°35.0'E.
 - 68°23.1'N, 38°39.9'E.
 - 68°22.5'N, 38°39.9'E.
- Area No. 100.**—Guba Savikha—Lies within an area bounded by lines joining:
- 68°14.5'N, 39°02.9'E.
 - 68°15.3'N, 39°05.1'E.
 - 68°12.9'N, 39°11.0'E.
 - 68°12.1'N, 39°08.8'E.
- Area No. 101.**—Svyatonooskiy Zaliv—Lies within an area bounded by lines joining:
- 68°06.3'N, 39°27.0'E.
 - 68°06.7'N, 39°30.0'E.
 - 68°04.8'N, 39°38.5'E.
 - 68°05.5'N, 39°40.3'E.
 - 68°05.3'N, 39°42.2'E.
 - 68°07.5'N, 39°46.1'E.
 - 68°06.3'N, 39°47.5'E.
 - 68°03.2'N, 39°41.3'E.
- Area No. 182.**—Kandalakshskiy Zaliv—Lies within an area bounded by the shore and lines joining:
- 66°36.0'N, 34°48.2'E.
 - 66°29.3'N, 34°41.8'E.
 - 66°26.2'N, 34°53.0'E.
 - 66°28.6'N, 34°57.0'E.
 - 66°35.7'N, 34°52.3'E.
- Area No. 133.**—Lies within an area bounded by the shore and lines joining:
- 66°32.6'N, 34°15.7'E.
 - 66°35.0'N, 34°20.0'E.
 - 66°35.0'N, 34°23.7'E.
- Area No. 132.**—Lies within an area bounded by the shore and lines joining:
- 66°33.2'N, 34°27.1'E.
 - 66°30.7'N, 34°22.8'E.
- Area No. 167.** Dvinskii Zaliv; Port Arkhangel'sk Lies within an area bounded by lines joining points with the following range/bearing combinations from Chizhovskiy Rear Range Lighted Beacon (64°41.7'N., 40°32.3'E.):
- | | |
|--------|--------|
| 026.0° | 722m |
| 020.0° | 945m |
| 031.0° | 1,130m |
| 040.0° | 833m |
- Area No. 168.** Lies within an area bounded by lines joining points with the following range/bearing combinations from Sredne-Kriyavskiy No. 8 Rear Range Lighted Beacon (64°41.4'N., 40°29.1'E.):
- | | |
|--------|--------|
| 013.0° | 1,018m |
| 353.0° | 1,204m |
| 001.0° | 1,389m |
| 017.0° | 1,204m |
- Area No. 169.**—Lies within an area bounded by lines joining points with the following range/bearing combinations from Povrakul Skive No. 4 Rear Range Lighted Beacon (64°39.6'N., 40°31.9'E.):
- | | |
|--------|------|
| 223.5° | 648m |
| 240.0° | 537m |
| 225.0° | 259m |
| 191.5° | 518m |
- Area No. 170.**—Lies within an area bounded by lines joining points with the following range/bearing combinations from Birzhevoy Lighted Beacon (64°37.8'N., 40°31.1'E.):
- | | |
|--------|--------|
| 010.0° | 648m |
| 003.5° | 1,018m |
| 020.0° | 1,185m |
| 031.0° | 833m |
- Area No. 171.**—Lies within an area bounded by lines joining points with the following range/bearing combinations from Amosovskiy Rear Range Lighted Beacon (64°37.1'N., 40°29.6'E.):
- | | |
|--------|------|
| 348.0° | 685m |
| 343.0° | 888m |
| 358.5° | 945m |
| 005.0° | 778m |

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Area No. 172.—Lies within an area bounded by lines joining points with the following range/bearing combinations from Amosovskiy Rear Range Lighted Beacon (64°37.1'N., 40°29.6'E.):

274.75°	296m
274.0°	611m
307.0°	778m
321.5°	574m

Area No. 109.—Lies within an area bounded by lines joining points with the following range/bearing combinations from Khabarovskiy Rear Range Lighted Beacon (64°34.8'N., 40°28.7'E.):

034.5°	407m
092.0°	926m
094.5°	1,148m
123.5°	1,463m
136.5°	963m
151.0°	630m
202.0°	333m

Area No. 110. Lies within an area bounded by lines joining points with the following range/bearing combinations from Khecheminskiy Rear Range Lighted Beacon (64°30.8'N., 40°30.9'E.):

320.0°	1.63 miles
332.0°	1.51 miles
354.5°	1.48 miles
356.5°	1.36 miles
333.0°	1.31 miles
312.0°	1.54 miles
312.5°	1.62 miles

Area No. 174.—Lies within an area bounded by lines joining points with the following range/bearing combinations from Khecheminskiy Rear Range Lighted Beacon (64°30.8'N., 40°30.9'E.):

284.0°	3.38 miles
286.0°	3.80 miles
293.5°	3.53 miles
290.5°	3.18 miles

Area No. 175.—Lies within an area bounded by lines joining points with the following range/bearing combinations from Khecheminskiy Rear Range Lighted Beacon (64°30.8'N., 40°30.9'E.):

069.0°	1.01 miles
053.5°	1.28 miles
069.0°	1.87 miles
089.5°	1.62 miles

Area No. 176.—Lies within an area bounded by lines joining points with the following range/bearing combinations from Obratnye Tralbazovskiy Podkhodnye Rear Range Lighted Beacon (64°29.9'N., 40°38.6'E.):

355.0°	796m
341.0°	1,185m
001.0°	1,482m
022.0°	1,408m

Area No. 177.—Lies within an area bounded by lines joining points with the following range/bearing combinations from Obratnye Tralbazovskiy Podkhodnye Rear Range Lighted Beacon (64°29.9'N., 40°38.6'E.):

274.5°	1.08 miles
281.0°	1.17 miles
295.0°	1,537m
290.5°	1,278m

Area No. 183. East of Ostrov Zhizhginskiy. Lies within an area bounded by shore and lines joining:

- a. 65°10.0'N, 37°00.0'E.
- b. 65°11.5'N, 37°00.0'E.
- c. 65°13.0'N, 36°53.2'E.
- d. 65°11.9'N, 36°52.4'E.
- e. 65°12.0'N, 36°49.9'E. continuing E and N along the coast of Ostrov Zhizhginskiy to
- f. 65°12.6'N, 36°49.3'E.
- g. 65°18.9'N, 36°49.3'E.
- h. 65°18.9'N, 37°06.1'E.
- i. 65°15.9'N, 37°06.9'E.
- j. 65°15.0'N, 37°15.5'E.
- k. 65°11.0'N, 37°32.7'E.
- l. 65°07.1'N, 37°23.7'E.
- m. 65°10.4'N, 37°06.6'E.
- n. 65°09.7'N, 37°05.9'E.

Area No. 102.—Terskiy Bereg—Lies within an area bounded by the shore and lines joining:

- a. 67°43.7'N, 40°54.8'E.
- b. 67°45.5'N, 40°56.8'E.
- c. 67°44.6'N, 41°00.6'E.
- d. 67°42.8'N, 40°54.8'E.

Area No. 103.—Terskiy Bereg—Lies within an area bounded by lines joining:

- a. 67°24.0'N, 41°08.6'E.
- b. 67°30.0'N, 41°04.8'E.
- c. 67°30.0'N, 41°07.6'E.
- d. 67°24.0'N, 41°11.6'E.

Area No. 104.—Terskiy Bereg—Lies within an area bounded by lines joining:

- a. 67°08.8'N, 41°26.1'E.
- b. 67°05.3'N, 41°28.0'E.
- c. 67°04.7'N, 41°26.4'E.
- d. 67°08.0'N, 41°24.6'E.
- e. 67°08.0'N, 41°23.8'E.
- f. 67°08.7'N, 41°23.5'E.

Area No. 105. Terskiy Bereg. Lies within an area bounded by lines joining:

- a. 67°00.6'N, 41°24.2'E.
- b. 66°55.0'N, 41°25.9'E.
- c. 66°55.0'N, 41°23.7'E.
- d. 66°58.0'N, 41°22.7'E.
- e. 66°58.4'N, 41°20.5'E.

Russia

116C

Area No. 106.—Terskiy Bereg—Lies within an area bounded by the shore and lines joining:

- 66°11.3'N, 39°33.0'E.
- 66°09.0'N, 39°44.3'E.
- 66°08.4'N, 39°41.8'E.
- 66°10.8'N, 39°31.5'E.

Area No. 107.—Terskiy Bereg—Lies within an area bounded by lines joining:

- 66°10.7'N, 39°28.4'E.
- 66°10.7'N, 39°30.5'E.
- 66°05.5'N, 39°28.8'E.
- 66°05.5'N, 39°26.6'E.

Area No. 108. Ostrov Solovetskiy Lies within an area bounded by lines joining:

- 65°01.0'N, 35°29.3'E.
- 65°01.8'N, 35°29.2'E.
- 65°01.6'N, 35°38.4'E.
- 65°01.0'N, 35°38.0'E.

Area No. 111. Onezhskiy Zaliv Lies within an area bounded by lines joining:

- 64°35.2'N, 35°53.8'E.
- 64°35.2'N, 36°09.5'E.
- 64°41.1'N, 36°09.5'E.
- 64°44.1'N, 35°43.5'E.
- 64°41.3'N, 35°43.5'E.

Area No. 190.—Barents Sea—Northwest entrance to Proliv Kostin Shar—Lies within an area bounded by lines joining:

- 71°13.5'N, 52°21.5'E. (shore)
- 71°20.0'N, 51°35.0'E.
- 71°21.1'N, 51°42.6'E.
- 71°27.7'N, 52°27.6'E. (Mys Morozova)
- 71°28.1'N, 52°37.0'E.
- 71°19.4'N, 52°15.5'E. (Mys Shadrovskiy)

Kara Sea—Reka Yenisey—Northwest of Port Dudinka—Lies within an area bounded by the shore and lines joining:

On the NW:

- 69°29.5'N, 85°55.8'E.
- 69°30.5'N, 85°58.4'E.

On the SE:

- 69°28.6'N, 85°59.1'E.
- 69°29.5'N, 86°00.6'E.

Areas for Dumping Explosives—Anchoring, Trawling, and Operations with Explosives are Not Recommended in These Areas.

Area No. 120. North of Ostrov Solovetskiy Lies within an area bounded by lines joining:

- 65°45.5'N, 36°00.0'E.
- 65°49.0'N, 36°12.0'E.
- 65°45.5'N, 36°12.0'E.

Area No. 121. Northeast of Ostrov Solovetskiy Lies within an area bounded by lines joining:

- 65°20.0'N, 36°30.0'E.
- 65°30.0'N, 36°30.0'E.
- 65°30.0'N, 36°50.0'E.
- 65°20.0'N, 36°50.0'E.

Area No. 134. Northwest of Ostrov Kolguyev Lies within an area bounded by a circle, with a radius of 7 miles, centered on position 69°34.2'N, 47°56.5'E

Area No. 124.—Kara Sea—Northwest of Ostrov Novaya Zemlya—Lies within an area bounded by a circle, with a radius of 5 miles, centered on position 73°29.0'N, 58°18.0'E

Area No. 123.—Kara Sea—Northeast of Ostrov Novaya Zemlya—Lies within an area bounded by lines joining:

- 77°00.0'N, 68°00.0'E.
- 78°00.0'N, 68°00.0'E.
- 78°00.0'N, 71°00.0'E.
- 77°00.0'N, 71°00.0'E.

SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
735	Bogue Bank Wreck <i>Lighted Buoy WR13</i> Marks wreck of SULIOD.						Remove from list.
16665	ST GEORGE CREEK JUNCTION LIGHT A	38 07 16 N 76 27 29 W	Fl (2+1) R 6s	15	4	JR on pile.	* 47/03
19040	- LIGHT 6A	38 18 45 N 76 27 17 W	Q R	15	3	TR on pile.	*
33480	CEDAR ISLAND FERRY SLIP BREAKWATER LIGHT 3	35 01 11 N 76 18 41 W	Fl G 4s	15	4	SG on pile.	*
33495	- LIGHT 2WB	35 02 53 N 76 21 58 W	Fl R 2.5s	15	4	TR on multi-pile structure.	*
33520	- LIGHT 5 Marks shoal.		Fl G 2.5s	15	4	SG on pile.	*
34460	- LIGHT 19A		Fl G 4s	15	4	SG on pile.	*

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4135	- Lighted Buoy 15		Q G		4	Green.	*
6690 37870	- UPPER RANGE A FRONT LIGHT	30 43 31 N 81 29 41 W	Q W	18		KRW-I on tower on piles.	Visible all around; higher intensity on rangeline.
6745 37860	- RANGE A-1 FRONT LIGHT	30 43 37 N 81 29 31 W	Q R	15		KRW-I on dolphin.	Visible all around.
6760 37845	- RANGE A-2 FRONT LIGHT	30 44 14 N 81 29 27 W	Q W	15		KRW-I on dolphin.	Visible all around; higher intensity on rangeline.

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7115	ST. JOHNS BAR CUT RANGE FRONT LIGHT	30 24 14 N 81 25 40 W	Fl W 2.5s (Day) Fl W 2.5s (Night)	22 19		On tower on piles.	Visible 0.5° each side of rangeline (Day). Visible 1.5° each side of rangeline (Night). Passing light visible all around.
		*	*	*		*	*
7120	ST. JOHNS BAR CUT RANGE REAR LIGHT 2,328 yards, 276.7° from front light.		Iso W 6s (Day) Iso W 6s (Night)	80 82		Skeleton tower on piles.	Visible 0.5° each side of rangeline (Day). Visible 1.5° each side of rangeline (Night). Passing light visible all around.
		*	*	*		*	*
37845 6760	- RANGE A-2 FRONT LIGHT	30 44 14 N 81 29 27 W	Q W	15		KRW-I on dolphin.	Visible all around; higher intensity on rangeline.
		*					47/03
37860 6745	- RANGE A-1 FRONT LIGHT	30 43 37 N 81 29 31 W	Q R	15		KRW-I on dolphin.	Visible all around.
		*					47/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
455 12690	Southwest Pass Entrance Light	28 54 20 N 89 25 43 W	Fl W 10s	85	21	Tower on white dwelling on piles.	RACON: K (- • -). Emergency light of reduced intensity: Fl W 10s. HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si).
		*					47/03
*547	Newfield 108-1 Lighted Buoy Marks subsea installation.	28 52 45 N 93 16 19 W	Q W			White with orange bands.	SIGN: NFE-WD-102-2 Private aid.
							47/03
*693	EI Paso-142-12 Lighted Buoy Marks subsea installation.	28 26 19 N 90 41 18 W	Fl W 2.5s			White with orange bands.	SIGN: EP-ST-214. Private aid.
							47/03
3390	- Daybeacon 3					SG on pile.	Ra ref.
						*	47/03
12690 455	- Entrance Light	28 54 20 N 89 25 43 W	Fl W 10s	85	21	Tower on white dwelling on piles.	RACON: K (- • -). Emergency light of reduced intensity: Fl W 10s. HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si).
		*					47/03
16545	- EAST JETTY LIGHT 4						Remove from list.
						*	47/03
*16546	- Entrance Lighted Buoy 4	29 04 38 N 90 13 37 W	Fl R 2.5s	4	Red.		
							47/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
31395	East Santa Rosa Shores Channel Daybeacon 6						Remove from list. * 47/03
32070	- Daybeacon 82				TR-TY on pile.	Ra ref. * 47/03	

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2565	- NORTH END LIGHT	33 01 24 N 118 33 51 W	Fl W 6s	60	5	NR on post.	Visible from 139° to 330°, partially obscured by hills elsewhere. * 47/03
2965	CATALINA LANDING WEST LIGHT	33 45 42 N 118 12 00 W	F G	27		On post.	Private aid. * 47/03
2980	QUEEN MARY CRUISE TERMINAL LIGHT S	33 44 59 N 118 11 14 W	Fl W 4s	20		On pile.	Private aid. * 47/03
2985	Queen Mary Cruise Terminal Light S	33 45 11 N 118 11 14 W	Q W	20		On post.	Private aid. * * * * * 47/03
3023.1	- Lighted Mooring Buoy C						Remove from list. * 47/03
3027.5	- Mid Breakwater Lighted Mooring Buoy						Remove from list. * 47/03
Fish Harbor							
3224	Pier 300 Berth 301 Pier End Light	33 43 49 N 118 15 52 W	F W	16		On post.	Private aid. * * * * * 47/03
10765	La Du Rock Lighted Buoy 19	46 07 51 N 122 59 48 W	Fl G 4s	4	Green.		 * 47/03
10811	- Approach Buoy 1	46 06 23 N 122 57 40 W				Green can.	Private aid. * 47/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10812	- Approach Buoy 2	46 06 13 N 122 57 50 W				Red nun.	Private aid. * 47/03
10813	- Approach Buoy 3	46 06 20 N 122 57 35 W				Green can.	Private aid. * 47/03
10814	- Approach Buoy 4	46 06 10 N 122 57 44 W				Red nun.	Private aid. * 47/03
Longview							
10820	COTTONWOOD ISLAND LOWER RANGE FRONT LIGHT	46 04 59 N Q W 122 53 52 W		15		KRB on pile structure.	Visible 4° each side of rangeline. * 47/03
10875	- UPPER RANGE FRONT LIGHT	46 03 55 N Q W 122 52 56 W		14		KRB on skeleton tower.	Visible 4° each side of rangeline. * 47/03
St. Helens							
11030	- RANGE FRONT LIGHT	45 51 55 N Q W 122 46 59 W		15		KRB on pile structure.	Visible all around; higher intensity on rangeline. * 47/03
11040	- JETTY LOWER LIGHT 77	45 53 04 N Q G 122 47 45 W		15	5	SG on dolphin.	 47/03
11055	- DIKE LIGHT 80	45 51 47 N Q R 122 47 22 W		15	4	TR on dolphin.	 47/03
 ST. HELENS TO VANCOUVER (Chart 18525)							
Warrior Rock							
11060	- LIGHT	45 50 55 N Fl W 4s 122 47 18 W		28	7	White pyramidal structure.	 * 47/03
11100	- RANGE FRONT LIGHT	45 48 41 N Q W 122 47 53 W		17		KRB on pile structure.	Visible all around; higher intensity on rangeline. * 47/03
Willow							
11140	- LOWER RANGE FRONT LIGHT	45 44 30 N Q W 122 45 27 W		17		KRB on tower on pile structure.	Visible all around; higher intensity on rangeline. * 47/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11155	- UPPER RANGE FRONT LIGHT	45 40 59 N 122 46 40 W	Q W	15		KRB on pile structure. On same structure as Morgan Upper Range Front Light.	Visible all around; higher intensity on rangeline and Morgan Upper Rangeline.
		*					47/03
11190	- UPPER RANGE FRONT LIGHT	45 41 01 N 122 46 40 W	Q W	15		KRB on pile structure. On same structure as Willow Upper Range Front Light.	Visible all around; higher intensity on rangeline and Willow Upper Rangeline.
		*					47/03
11211	- CHANNEL LIGHT 42	45 39 27 N 122 46 01 W	Q R	25	3	On pile structure with skeleton tower. On same structure as Vancouver Directional Light.	
		*		*			47/03
11530	- LOWER RANGE FRONT LIGHT	45 34 03 N 122 20 37 W	Fl G 2.5s	18		KRB on dolphin.	Visible all around, higher intensity on rangeline.
		*					47/03
VANCOUVER TO THE DALLES (Chart 18531)							
11560	GARY ISLAND DIKE LIGHT 52	45 33 37 N 122 20 50 W	Fl R 4s	16	4	TR on dolphin.	
		*					47/03
11570	REED ISLAND RANGE FRONT LIGHT	45 33 06 N 122 20 23 W	Q R	17		KRB on dolphin. On same structure as Washougal Upper Range Front Light.	Visible all around; higher intensity on rangeline. Ra ref.
		*					47/03
11675	- Shoal Buoy 79	45 34 59 N 122 07 31 W				Green can.	
		*					47/03
11685	- Buoy 83	45 34 58 N 122 06 32 W	Fl G 4s		4	Green.	
		*					47/03
11705	- UPPER RANGE REAR LIGHT 1,025 yards, 057° from front light.	45 37 06 N 122 01 29 W	Iso W 6s	94		KRB on skeleton tower.	Visible 4° each side of range line.
		*		*			47/03
11805	- UPPER RANGE FRONT LIGHT 15	45 41 18 N 121 53 07 W	Q G	27	4	KRB on pile, SG oriented upstream.	Visible all around; higher intensity on rangeline.
		*		*			47/03
11840	WIND MOUNTAIN LOWER RANGE FRONT LIGHT 17	45 42 06 N 121 50 49 W	Q G	26	4	KRB on concrete piles, SG oriented up and downstream.	Visible all around; higher intensity on rangeline.
		*		*			47/03
11925	- LIGHT 35	45 43 38 N 121 30 42 W	Fl G 4s	14	4	SG on skeleton tower.	
		*					47/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12322	- Danger Rock Buoy	45 40 22 N 120 50 26 W				White can worded DANGER ROCKS.	
		*					47/03
12725	- Buoy 70	45 55 07 N 119 24 33 W				Red nun.	
		*					47/03
12745	- Buoy 75	45 55 48 N 119 20 00 W				Green can.	
		*					47/03
12750	- Buoy 76	45 55 49 N 119 19 46 W				Red nun.	
		*					47/03
12755	- Buoy 77	45 55 59 N 119 19 38 W				Green can.	
		*					47/03
12760	- Buoy 78	45 55 53 N 119 19 36 W				Red nun.	
		*					47/03
12915	- Buoy 22	46 03 25 N 118 56 21 W				Red nun.	
		*					47/03
12970	- Buoy 26	46 05 59 N 118 57 03 W				Red nun.	
		*					47/03
12975	- Buoy 27	46 06 15 N 118 57 46 W				Green can.	
		*					47/03
14530	- LIGHT 5	46 16 03 N 123 57 22 W	Fl G 4s	15	5	SG on pile structure.	Ra ref.
		*					47/03
Youngs Bay							
14570	- ENTRANCE LIGHT 2	46 10 52 N 123 52 47 W	Fl R 6s	16	5	TR on dolphin.	
		*					47/03
14580	- CHANNEL LIGHT 6	46 10 03 N 123 51 28 W	Fl R 2.5s	16	5	TR on pile structure.	
		*		*			47/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Lewis and Clark River							
14585	- Daybeacon 2	46 10 04 N 123 51 46 W				TR on pile.	
		*					47/03
14590	- Daybeacon 4	46 09 55 N 123 51 33 W				TR on pile.	
		*					47/03
North Channel							
14610	SAND ISLAND LOWER DIKE LIGHT 1	46 15 38 N 124 00 29 W	Fl G 4s	16	5	SG on pile structure.	
		*		*			47/03
14615	SAND ISLAND MIDDLE DIKE LIGHT 3	46 15 32 N 123 59 43 W	Fl G 6s	15	4	SG on pile structure.	
		*					47/03
14620	SAND ISLAND UPPER DIKE LIGHT 5	46 15 22 N 123 58 56 W	Fl G 4s	15	4	SG on pile structure.	
		*					47/03
14625	CHINOOK DIKE LIGHT 7	46 14 59 N 123 57 12 W	Fl G 6s	16	4	SG on pile structure.	
		*					47/03

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21345	Plum Island Lighted Buoy 1 Marks northeast side of shoal.	45 19 17 N 86 56 45 W	Fl G 2.5s	5	Green.		Replaced by can from Nov. 7 to Apr. 21. * 47/03
21360	- Channel Lighted Buoy 4	45 20 12 N 86 56 06 W	Fl R 4s	4	Red.		Replaced by nun from Nov. 7 to May 7. * 47/03

UPPER GREEN BAY (Chart 14909)

21445	Little Gull Island Lighted Bell Buoy 2	45 29 30 N 86 42 54 W	Fl R 4s	4	Red.	Maintained from Apr. 21 to Oct. 14.
						*

47/03

DUTCH JOHNS POINT TO FISHERY POINT (Chart 14908)

Big Bay De Noc

21590	Fayette Lighted Bell Buoy 2 Marks west side of shoal.	45 43 21 N 86 40 21 W	Fl R 4s	4	Red.	Maintained from Apr. 28 to Oct. 14.
						*

47/03

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21835	- <i>Mid-Channel Mark Lighted Buoy S</i>	45 08 30 N 87 16 24 W	F1 (2+1) R 6s			Red and green bands.	Replaced by nun from Oct. 14 to May 1. * 47/03

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
873 Hart Head. <i>H 0075.55</i>		54° 11.7' N 58° 24.6' W	Fl.R. period 4s	23 7		Red and white skeleton tower; 12.	
			*				47/03
*2241 -Fortune Harbor, Fisherman wharf.		47° 04.4' N 55° 49.8' W	Fl.G. period 4s	11 4	2	Grey round mast; 7.	
							47/03
*2265 -Garnish inner breakwater.		47° 14.1' N 55° 21.5' W	Fl.G. period 4s	11 4		Round mast; 7.	
							47/03
10620 Abbot Harbor, E. side of harbor. <i>H 3802</i>							Remove from list.
							*
							47/03
15816 Serranilla Bank. <i>J 6024</i>		15° 47.7' N 79° 50.7' W	Fl.(2)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 16s	108 33	25	White tower, red bands.	
		*	*				47/03
16088 Klein Bonaire, SW. point. <i>J 6406</i>							Remove from list.
							*
							47/03
CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*4541 -Range, front. <i>K 3982.7</i>		39° 28.5' S 176° 54.7' E	F.Bu. (neon)	33 10	1		
							47/03
*4542 --Rear, 112 meters 117° from front. <i>K 3982.71</i>		39° 28.5' S 176° 54.7' E	F.Bu. (neon)	62 19	1		
							47/03
AHIPARA BAY:							
4912 -Reef Point. <i>K 4153</i>		35° 11.0' S 173° 03.5' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	213 65	9	White round structure; 10.	
					*		
							47/03
13068 -Port Moody Range, front. <i>G 5480.2</i>		49° 17.6' N 122° 51.3' W	F.Y.	77 24	15	Mast, white daymark, red stripe.	
					*		
							47/03
13072 --Rear, 96 meters 090°30' from front. <i>G 5480.21</i>		49° 17.6' N 122° 51.1' W	F.Y.	87 27	15	Mast, white daymark, red stripe.	
					*		
							47/03

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13084 <i>G 5427</i>	-Spanish Bank Anchorage E.	49° 17.1' N 123° 13.1' W	Q.Y. Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	21 6	6	Mast on 9-pile dolphin, orange daymark, white stripe. * * *	*
13086 <i>G 5426.8</i>	-Spanish Banks No. "2".	49° 17.4' N 123° 14.8' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	24 7	5	White round tower, red band at top, on 9-pile dolphin.	Radar reflector. 47/03
13088 <i>G 5427.2</i>	-English Bay Anchorage, E.	49° 16.5' N 123° 11.3' W	Q.Y.	16 5	8	Mast on railing.	Private light. * * *
13113 <i>G 5399</i>	--Entrance Range, front.	49° 01.5' N 123° 08.6' W	Q.Y.	41 12	14	Square skeleton tower, red daymark, white stripe. *	47/03
13113.1 <i>G 5399.1</i>	--Rear, 250 meters 032° from front.	49° 01.7' N 123° 08.5' W	Q.Y.	63 19	14	Square skeleton tower, red daymark, white stripe. *	47/03
13122 <i>G 5402.5</i>	-Beacon "1A".	49° 06.5' N 123° 17.7' W	Fl.(3)G. period 12s	20 6	5	White round tower, green band at top. *	47/03
13130 <i>G 5403.5</i>	-Beacon "3A".	49° 06.9' N 123° 16.8' W	Fl.(3)G. period 12s	21 6	5	White round tower, green band at top. *	47/03
13136 <i>G 5404</i>	-N. side jetty, No. "5".	49° 07.2' N 123° 16.2' W	Fl.(3)G. period 12s	24 7	5	White round tower, green band at top, on 9-pile dolphin.	Radar reflector. 47/03
13138 <i>G 5404.5</i>	-Beacon "5A".	49° 07.5' N 123° 15.5' W	Fl.(3)G. period 12s	19 6	8	White round tower, green band at top.	Radar reflector. 47/03
13152 <i>G 5410</i>	-Wing Dam Range, front.	49° 08.0' N 123° 14.0' W	F.Y. F.G.	31 9	15	Square skeleton tower, red daymark, white stripe.	Visible on range line only. 47/03
13156 <i>G 5410.1</i>	--Rear, 720 meters 057°15' from front.	49° 08.2' N 123° 13.7' W	F.Y.	68 21	15	Square skeleton tower, red daymark, white stripe.	Visible on range line only. 47/03
13160 <i>G 5408</i>	-Beacon No. "11".	49° 07.9' N 123° 13.6' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	15 4	6	White round tower, green band at top.	Radar reflector. 47/03

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13164 G 5413	-Beacon No."13".	49° 07.8' N 123° 12.8' W	Fl.(3)G. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 6	8	White round tower, green band at top, on 9-pile dolphin.	Radar reflector.
		*		*	*		47/03

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
3504 F 7076	Tobi Shima.	39° 12.0' N 139° 33.4' E	Fl.W. period 10s	269 82	20	White round concrete tower; 46.	
	RAMARK	*		*	*		47/03
4884 F 6466.4	Oura E. entrance.	35° 05.6' N 140° 06.6' E	Iso.G. period 6s	36 11	4	White round concrete tower; 31.	
		*		*	*		47/03
10904 F 4839	Hi Saki.	31° 16.9' N 131° 07.8' E	Iso.W. period 6s	207 63	14	White round concrete structure;	
*	*	*		*	*		47/03
11560 F 5165	Higo, Kabuto Shima.	32° 34.5' N 130° 27.5' E	Fl.W. period 3s	39 12	3	White round concrete tower; 28.	
		*	*	*	*		47/03
12272 F 5269.6	-Taka Shima, W. breakwater.	33° 28.3' N 129° 59.2' E	Fl.G. period 4s	39 12	5	White round concrete tower; 31.	
		*		*	*		47/03
12990 F 4804	Kuro Shima.	30° 49.8' N 129° 57.6' E	Al.Fl.(2)W.G. period 10s	784 239	33	White tower; 36.	Visible 125°-359°.
		*	*		*		47/03
13024 F 4793.5	Shimana Ko, W. breakwater.	30° 28.2' N 130° 51.9' E	Fl.(2)R. period 6s	52 16	6	Red tower; 33.	
		*		*	*		47/03
13036 F 4800.4	Kumano Ko, breakwater.	30° 27.5' N 130° 58.0' E	Iso.R. period 6s	46 14	10	Red tower; 31.	
				*	*		47/03
13068 F 4790.4	Isso, N. breakwater.	30° 27.4' N 130° 29.5' E	F.Fl.R. period 6s	46 14	F. 6 Fl. 12	Red tower; 32.	
		*		*	*	*	47/03
13192 F 4781	Kaito Saki.	28° 06.7' N 129° 22.6' E	Fl.W. period 6s	338 103	20	White tower; 27.	
		*	*	*	*	*	47/03

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
200 <i>B 2250.1</i>	-Rear, about 3.22 km. 352° from front.	59° 12.6' N 10° 56.6' E	Oc.W.	131 40		Lantern on framework structure. *	47/03
360 <i>B 2346</i>	-Gullholmen.	59° 26.1' N 10° 34.5' E	Oc.W.R.G. period 6s	52 16	W. 10 R. 8 G. 7	White lantern. *	R. 341°-347°, W.-001°, G.-003°, W.-063°, R.-114°, W.-190°, G.-204°. 47/03
632 <i>B 2478</i>	Horten.	59° 25.0' N 10° 30.0' E	Iso.W.R.G. period 4s	14 4	W. 6 R. 4 G. 4	White lantern. *	G. shore-187°, W.-217°, R.- 258°, G.-273°, W.-322°, R.- 357°, W.-010°, R.-038°. 47/03
633.1 <i>B 2476.1</i>	-Inner harbor Range, front.	59° 26.2' N 10° 29.1' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s			Lantern on column. *	Forms range bearing 187°30' with unlit beacon. *
						*	47/03
633.1 <i>B 2476.1</i>	-Rear, 670 meters, 187° from front.						Remove from list. *
							47/03
5712 <i>L 0588</i>	-Valleskjaer.	62° 27.9' N 6° 39.9' E	Iso.W.R.G. period 6s	23 7		Framework tower. *	G. 226°-258°, W.-261°, R.-278°, W.-288°, G.-045°, W.-061°, R.-070°. 47/03
						*	
-Geirangerfjord:							
5736 <i>L 0644</i>	-Syltevik.	62° 05.0' N 7° 04.0' E	Fl.W.R.G. period 5s fl. 0.7s, ec. 4.3s	30 9	W. 5 R. 3 G. 2	Small hut. *	R. 079°-110°, W.-111°30', G.- 220°, W.-224°30', R.-247°. 47/03
						*	
5740 <i>L 0646</i>	-Grande.	62° 07.0' N 7° 11.0' E	Fl.W.R.G. period 3s	32 10		Lantern on pedestal. *	G. 285°-323°30', W.-332°30', R.-085°, W.-095°, G.-140°. *
						*	47/03
FLAVAERLEIA:							
5792 <i>L 0670</i>	-Hidsneset.	62° 17.2' N 5° 32.9' E	Iso.W.R.G. period 4s	51 16		Lantern on concrete base. *	G. 017°-036°, W.-045°, R.-081°, W.-082°30', G.-103°, W.-105°, R.-192°, W.-197°, G.-217°. 47/03
						*	
5836 <i>L 0686</i>	-Sound,N. side.	62° 19.0' N 5° 43.0' E	Oc.W.R.G. period 6s	29 9	W. 7 R. 5 G. 5	Lantern on concrete pillar; 29. *	G. 257°-266°, W.-276°, R.-080°, W.-083°, G.-090°. *
						*	47/03
5840 <i>L 0688</i>	-Teigesund.	62° 19.4' N 5° 46.0' E	Iso.W.R.G. period 6s	26 8		Lantern on concrete base. *	R. 352°-358°, W.-006°, G.-078°, W.-139°, R.-227°, W.-232°, G.-240°. *
						*	47/03

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5892 -Lille Hestholmfla. <i>L 0608</i>		62° 16.4' N 5° 50.8' E	Oc.(2)W.R.G. period 8s	20 6	W. 8 R. 6 G. 5	Tripod.	R. 194°-211°, W.-254°, G.-038°, W.-043°, R.-047°.
					*	*	47/03
6718 Hansoyflua. <i>L 1034</i>		63° 06.3' N 7° 48.1' E	Fl.G. period 3s	16 5	1	Iron perch.	Private light.
*					*		*
6720 Omsbordrenes. <i>L 1048</i>		63° 06.4' N 7° 51.0' E	Oc.W.R.G. period 6s	10 3	W. 3 R. 2 G. 1	Lamtern on concrete pillar.	G. 243°-252°30', W.-267°, R.- 085°, G.-095°.
					*	*	47/03
6724 Omsundet Sorside. <i>L 1048.4</i>		63° 06.4' N 7° 50.9' E	Iso.G. period 4s	16 5	1	Lantern on pedestal.	
					*	*	47/03
6892 -Hilbaaren. <i>L 1120</i>		63° 12.0' N 7° 44.0' E	Fl.W. period 5s	43 13	5	Lantern on piles.	
			*		*		47/03
6908 -Ramsoybaen. <i>L 1136</i>		63° 11.5' N 7° 56.2' E	Fl.G. period 2s	10 3	1	Metal column.	
			*		*		47/03
6918 -Leirvalen, mole, head. <i>L 1141</i>		63° 12.5' N 8° 01.7' E	F.R.	25 8			
			*		*		47/03
6920 -Kjonrogsfla. <i>L 1338</i>		63° 15.9' N 8° 03.1' E	Fl.(2)W. period 5s	7 2	2	Post.	
			*		*		47/03
6948 -Svartskjaer. <i>L 1323</i>		63° 18.2' N 8° 01.1' E	Fl.(2)W. period 5s	7 2	2	Iron post.	
			*	*		*	47/03
6960 -Vestre Kjeoyholmen. <i>L 1327</i>		63° 18.0' N 8° 03.0' E	Fl.G. period 3s	12 4	1	Iron post.	
			*				47/03
6968 -Norde Lervikhogoybae. <i>L 1329</i>		63° 18.9' N 8° 05.3' E	Fl.(2)W. period 5s	13 4	1	Iron post.	
			*		*		47/03
7368 -Porkholmen, islet, E. point. <i>L 1320</i>		63° 17.4' N 7° 48.0' E	Fl.R. period 3s	7 2	2	White lantern.	Visible 180°-022°.
			*		*		47/03
14872 Ostrov Malyy Aynov, S. Side. <i>L 6029</i>		69° 49.2' N 31° 38.1' E	Fl.G. period 5s	3			
			*	*			47/03

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*14885 <i>L 6040</i>	Ostrov Bol'shoy Kiy.	69° 52.8' N 31° 54.3' E	F.I.R. period 3s	4			Visible 166°-355°. 47/03

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
NORRKOPING APPROACH:							
8520 <i>C 6872</i>	-Kopparholmen Range, front.	58° 28.2' N 16° 57.7' E	Iso.W.R.G. period 4s	20 6	W. 7 R. 5 G. 4	White hut, green band.	G. 000°-010°, W.-022°, R.-073°, G.-082°, W.-087°30', R.-122°, G.-172°, W.-177°, R.-196°.
		*		*	*	*	*
							47/03
8528 <i>C 6868</i>	-Arko, Ostra Kopparholmen Range, front.	58° 28.4' N 16° 58.1' E	Q.W.R.G.	26 8	W. 5 R. 3 G. 3	White hut, red and white rectangular daymark.	W. (12M) on range, G. 119°-149°, W.-156°30', R.-188°, R. (unintensified)-230°.
		*		*	*	*	*
							47/03
8532 <i>C 6868.1</i>	--Kalebo, rear, about 1.65 km. 292° from front.	58° 28.7' N 16° 56.4' E	Oc.W. period 6s	90 28	16	White lantern, red rectangular daymark, white stripe.	
		*		*	*	*	*
							47/03
*8702 <i>C 6904.8</i>	-Lindo Harbor, N.	58° 36.7' N 16° 15.7' E	Fl.G. period 3s	13 4	4	White pole, green band; 7.	Shown Mar. 1 to Dec. 10.
							47/03
*8703 <i>C 6904.9</i>	-- Harbor, S.	58° 36.7' N 16° 15.7' E	Fl.R. period 3s	13 4	4	White pole, red band; 7.	Shown Mar. 1 to Dec. 10.
							47/03

KARLSBORG APPROACH:

11888 <i>C 5712.4</i>	-Halso Klippor Range, front.	65° 43.1' N 23° 27.0' E	Iso.W.R.G. period 3s	23 7	W. 7 R. 5 G. 4	White and red tower; 20.	Obsc. 340°-032°, R.-060°, G.-113°, W.-118°, R.-131°30', G.-200°, W.-203°30', R.-340°. Iso. W. intensified on range line only, range 11M.
-RACON			G(--)		12		
		*		*			*
							47/03
11892 <i>C 5712.41</i>	--Vippgrund, rear, about 3.2 km 006° from front.	65° 45.0' N 23° 28.0' E	Q.W.	75 23	9	Skeleton tower, black and white square daymark.	Intensified on range line. Visible 248°-254°.
-RACON			N(--)		15		
		*		*			*
							47/03
16774 <i>C 4473.5</i>	Solovjeva.	60° 11.2' N 19° 10.2' E	V.Q.(4)W. period 8s fl. 0.3s, ec. 0.3s fl. 0.3s, ec. 0.3s fl. 0.3s, ec. 0.3s fl. 0.3s, ec. 5.9s	46 14	6	White mast, red bands.	Radar reflector.
		*		*	*		
							47/03

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SECTION II

NM 47/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS THROUGH NM 47/03

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

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
NIMA HYDRO CATALOG CATP2V01U Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32,35, 36,37,38,39,40,41, 42,43,44,45,46, 47/03	SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	SDPUB193	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23,29/03
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30,32, 33,34,44/03	SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22,23,24,25,26, 31,32,34,37,42, 43/03	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32, 33,41,43,46/03
Region 3	2002	1/03*	SDPUB141	2001	21*,38/01	SDPUB200	2002	38*,39,42/02;22,27, 34,41/03
Region 4	2002	1*,23,43/03	SDPUB142	2000	49/00*,3,31,35/01; 1,15,43/02	USCG LIGHT LIST VOLUMES I - VII COMDTM165021	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 36,37,38,39,40,41, 42,43,44,45/03
Region 5	2002	1*,3,5,8,22,27,30, 33,38/03	SDPUB145	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,52/01;14, 27/02	COMDTM165022	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 35,36,37,38,39,40, 42,43,44,45/03
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28,30,33, 38/03	SDPUB147	2001	35/01*:21,22,23, 24/02;39,40,41, 46/03	COMDTM165023	2003	17*,18,19,20,21,23, 24,25,26,28,29,31, 32,33,34,35,36,37, 38,39,41,43,44,45, 46,47/03
Region 7	2002	1*,11,15,28/03	SDPUB148	2001	48/01*:23,24/02;22, 42,43,45/03	COMDTM165024	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,
Region 8	2002	1*,14,37,41,46/03	SDPUB153	2000	6/01*,28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15,22,25,32, 35,37,38,39,40, 43/03	COMDTM165025	2002	16/02*
Region 9	2002	1*,34,40,43,45/03	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30,41,42,47/03	COMDTM165026	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32,33,34, 36,37,38,39,41,42, 43,45,46,47/03	SDPUB155	2001	31*,48/01;10,45, 46/02	COMDTM165027	2003	18*,20,21,22,23,24, 26,27,28,30,31,32, 33,34,35,36,37,38, 39,40,43,44,46, 47/03
NIMA LIST OF LIGHTS LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21,23, 24,25,26,27,28,29, 31,32,33,34,36,37, 38,39,41,42,43,44, 47/03	SDPUB159	2002	42*,48/02	FLEET GUIDES FGPUB940ATL	2001	N47/01*
LLPUB111	2003	33*,34,35,36,37,38, 39,40,41,43,45, 47/03	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19,21,22,23, 30,33,36,39,41, 43/03	FGPUB941PAC	2001	N22/01*
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46, 47/03	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	NOS MISCELLANEOUS PUBLICATIONS NOSPCATALOG1	2000	20/00*
LLPUB113	2003	46/03*	SDPUB162	2001	51/01*:5,12/03	NOSPCATALOG2	2000	34/00*
LLPUB114	2003	17*,19,21,22,23,24, 27,31,32,40,43,44, 46/03	SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31,39,40, 41,43,47/03	NOSPCATALOG3	2000	28/00*
LLPUB115	2003	42*,44,46,47/03	SDPUB164	2000	30/00*,31,35,36/01; 8,28/03	NOSPCATALOG4	2000	34/00*
LLPUB116	2003	24*,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,47/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26,41/03	ALMANACS AIRALMANAC401	2004	29/03*
SAILING DIRECTIONS CDPUBSD125	2003	19*,43/03	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22,23, 25,26,27,28,29,31, 32,33,34,35,37,38, 39,40,43,44,45,46, 47/03	NAUTALMANAC04	2004	29/03*
CDPUBSD127	2003	39/03*	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27,32,33,34, 37,38/03	COAST PILOT NOSPBCP1	33	27*,28,29,32,33,34, 39,42,46/03
CDPUBSD131	2002	9/03*	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02; 30,39,40,41,43/03	NOSPBCP2	32	17*,18,21,22,26,28, 30,32,33,35,36,39, 42,43,45/03
CDPUBSD143	2003	46/03*	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02; 26,27,29,32,37,38, 43,47/03	NOSPBCP3	36	34*,36,42,43,44, 46/03
CDPUBSD146	2002	4/03*	SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17,21, 24,42,44,47/03	NOSPBCP4	35	34*,36,39,42,44,46, 47/03
CDPUBSD157	2003	17/03*	SDPUB181	2002	38*,39/02	NOSPBCP5	30	2*,6,10,12,14,18,20, 27,30,32,35,36,37, 39,42/03
CDPUBSD158	2003	24/03*	SDPUB182	2001	8*,10,12,41/02; 17/03	NOSPBCP6	33	23*,27,29,32,34,39, 42,46/03
CDPUBSD192	2003	32*,36,38,39,40,41, 42,43/03	SDPUB183	2001	27/01*:13,15,16/02; 18/03	NOSPBCP7	35	37*,38,39,42,44, 45/03
CDPUBSD194	2002	6*,8,15,17,30,33,35, 37,38,39,40/03	SDPUB191	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02;2,9,12,15,18, 22/03	NOSPBCP8	25	32*,33,34,39,42/03
SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23,29,30,31,41, 42,44,45/03	SDPUB184	2001	8*,10,12,41/02;	NOSPBCP9	21	30*,32,33,36,39, 42/03
SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02;24,25, 27,28,32,38,42/03	SDPUB185	2001	27/01*:13,15,16/02;	RADIO NAVIGATIONAL AIDS RAPUB117	2002	50/02*/13;03
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02;24,25,27,28, 29,30,32,35,36,37, 39,44/03	SDPUB186	2001	8*,10,12,41/02;			
SDPUB126	2002	39*,41,42,43,44,45, 48/02;24,26,27,28, 30,32,41/03	SDPUB187	2001	27/01*:13,15,16/02;			

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 47/03**

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

NIMA Reference No.	Ed.	Notice to Mariners No.		
AMERICAN PRACTICAL NAVIGATOR NVPUB9	2002	36/02*;14,38/03		
INTERNATIONAL CODE OF SIGNALS CDPUBNV102	2003	20/03*		
WORLD PORT INDEX NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03		
DISTANCES BETWEEN PORTS NVPUB151	2001	4/02*		
RADAR NAVIGATION AND MANEUVERING BOARD MANUAL CDPUBNV1310	2001	51/01*		
SIGHT REDUCTION TABLES (MARINE)				
SRPUB229V1	1970	11/71*		
SRPUB229V2	1970	11/71*		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
SIGHT REDUCTION TABLES (AIR)				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
CHART NO. 1 WOBZC1	1997	18/98*		
CHART NO. 4 WOBZC4	1988	N23/91*		
ATLAS OF PILOT CHARTS				
NVPUB106	2002	42/03*		
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTTCWPACIN3	2003	N4/03*		
NOSPBTTECSTNSA3	2003	N4/03*		
NOSPBTTEURAFR3	2003	N4/03*		
NOSPBTWCSTNSA3	2003	N4/03*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN3	2003	N4/03*		
NOSPBTCTPACAS3	2003	N4/03*		

SECTION III

NM 47/03

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 051200Z November 2003:

2003 series	387(GEN)	425(GEN)	427(GEN)	429(GEN)	431(11,26)
108(26,27)	420(24)	426(25)	428(11,27)	430(GEN)	432(38)

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

NAVAREA IV WARNINGS issued from 301200Z October to 051200Z November 2003.

426/03(25). CARIBBEAN SEA.

1. CONTAINER ADRIFT IN 15-45.8N 061-41.8W.
2. CANCEL THIS MSG 07 NOV.

(312032Z OCT 2003)

427/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 011000Z NOV 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 387(GEN), 420(24), 421(11,26), 425(GEN), 426(25).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03 AND 26/03.
3. CANCEL NAVAREA IV 422/03.

(011010Z NOV 2003)

428/03(11,27). GULF OF MEXICO.

1. DERELICT 100 FOOT M/V SUNRISE PARTIALLY SUBMERGED AND ADRIFT IN 23-15.2N 085-17.9W.
2. CANCEL THIS MSG 10 NOV.

(031730Z NOV 2003)

429/03(GEN). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 052104Z TO 060411Z NOV, ALTERNATE 062104Z TO 070411Z NOV IN AREAS BOUND BY:
 - A. 29-08N 076-29W, 28-32N 076-29W,
28-32N 075-44W, 29-08N 075-45W.
 - B. 28-07N 072-14W, 27-48N 072-20W,
27-28N 071-49W, 27-16N 071-13W,
27-37N 071-07W, 27-56N 071-40W.
 - C. 27-37N 070-18W, 27-13N 070-26W,
26-28N 068-46W, 26-08N 067-50W,
26-33N 067-40W, 27-23N 069-32W.
 - D. 23-47N 060-06W, 23-06N 060-12W,
22-54N 059-03W, 23-35N 058-57W.
 - E. 20-16N 052-51W, 19-44N 053-13W,
18-20N 050-49W, 18-53N 050-28W.
 - F. 15-16N 042-40W, 14-33N 043-11W,
14-00N 042-20W, 12-26N 039-14W,
13-14N 039-14W.
2. CANCEL THIS MSG 070511Z NOV.

(040610Z NOV 2003)

430/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 02 UNUSABLE 061415Z TO 070215Z NOV.
2. CANCEL THIS MSG 070315Z NOV.

(041800Z NOV 2003)

431/03(11,26). FLORIDA-EAST COAST.

- CHART 11479 (4TH ED).
CAPE CANAVERAL DGPS STATION 28-27.6N 080-32.6W AT REDUCED POWER.

(041830Z NOV 2003)

432/03(38). NORTH ATLANTIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 100001Z TO 102359Z NOV WITHIN 120 MILES OF 64-30N 033-09W.
2. CANCEL THIS MSG 110059Z NOV.

(051020Z NOV 2003)

SECTION III

HYDROLANTS

Messages in force 051200Z November 2003:

2000 series	41(37)	1620(53,56)	1946(56)	2033(GEN)	2058(24)
2937(38)	67(37)	1647(51,52)	1948(24)	2035(37)	2061(24)
3762(43)	544(55)	1676(57)	1958(GEN)	2038(37)	2062(24)
4265(44)	604(26,27)	1731(35)	1960(GEN)	2039(53)	2065(38)
2001 series	738(35)	1780(51,52)	1961(37)	2041(56)	2066(57)
611(44)	754(37)	1801(35)	1963(53)	2043(37)	2067(53)
2700(37)	867(37)	1825(GEN)	1984(37)	2046(53)	2069(54)
3161(44)	1117(37)	1830(37)	1988(24)	2047(53)	2072(24)
2002 series	1242(24)	1833(37)	1992(24)	2048(53)	2073(53,54)
245(GEN)	1255(44)	1834(22)	1995(53)	2049(53)	2074(GEN)
246(GEN)	1291(37)	1847(53)	1998(35,38)	2050(36)	2075(24)
2203(51)	1374(52,53)	1863(37)	1999(23)	2051(37)	2076(37)
2682(51)	1422(53)	1896(22)	2002(54,56)	2052(53,54)	2077(24)
2848(37)	1472(35)	1907(36,37)	2004(24)	2053(37)	2078(38)
2869(52)	1522(51,52)	1912(55)	2012(24)	2054(36,37)	
2882(54)	1553(37)	1930(54)	2014(35)	2055(24)	
2883(54)	1606(24)	1940(54)	2021(53)	2056(GEN)	
2003 series	1607(24)	1944(53)	2031(55)	2057(24)	

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

HYDROLANT WARNINGS issued from 301200Z October to 051200Z November 2003.

2041/03(56). EASTERN MEDITERRANEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0300Z TO 1400Z DAILY 04, 06,
12 AND 13 NOV IN AREA BOUND BY
31-59.3N 034-43.7E, 31-46.5N 033-56.0E,
31-43.0N 033-54.0E, 31-36.0N 033-58.0E,
31-45.7N 034-17.9E, 31-39.4N 034-23.1E,
31-56.5N 034-42.5E.
2. CANCEL HYDROLANT 2040/03(54,56).
3. CANCEL THIS MSG 131500Z NOV.

(301730Z OCT 2003)

2042/03. CANCELED.

2043/03(37). DOVER STRAIT.

CHART 37121 (11TH ED).
BULLOCK BANK BUOY 50-47N 001-08E UNLIT.

(302025Z OCT 2003)

2044/03 and 2045/03. CANCELED.

2046/03(53). SICILIA-SOUTHEAST COAST. GUNNERY.

1. GUNNERY EXERCISES SUNRISE TO SUNSET DAILY 03 THRU 07,
10, 12 THRU 14, 17 THRU 19, 24 THRU 26 AND 28 NOV
WITHIN 1.5 MILES OF 36-39-19N 015-00-53E.
2. CANCEL THIS MSG 29 NOV.

(311330Z OCT 2003)

2047/03(53). SICILIA-EAST COAST. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO SUNSET DAILY 03 THRU 06 NOV,
IN AREA BETWEEN 36-51N 37-11N AND 015-25E 015-53E.
2. CANCEL THIS MSG 07 NOV.

(311350Z OCT 2003)

2048/03(53). TYRRHENIAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1500Z DAILY 04 AND 05 NOV,
ALTERNATE 06 AND 07 NOV WITHIN
SIX MILES OF 38-30-40N 013-55-50E.
2. CANCEL THIS MSG 071600Z NOV.

(311415Z OCT 2003)

2049/03(53). SARDEGNA-EAST COAST. MISSILES. ROCKETS.

1. HAZARDOUS OPERATIONS 0800Z TO 1630Z DAILY:
A. 03 THRU 07, 10 THRU 14, 17 THRU 21 AND
24 THRU 28 NOV IN AREA BOUND BY
40-00N 010-00E, 40-00N 010-30E,
39-10N 010-30E, 39-10N 010-00E,
39-26N 009-38E, 39-38N 009-38E.

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- B. 24, 25, 27 AND 28 NOV IN AREA BOUND BY
 40-15N 010-00E, 40-15N 011-31E,
 40-11N 011-33E, 39-32N 011-38E,
 38-52N 011-28E, 39-10N 010-00E,
 39-28N 009-38E, 39-43N 009-40E.
 C. 24 THRU 28 NOV IN AREA BOUND BY
 40-37N 009-54E, 40-42N 011-17E,
 40-11N 011-33E, 39-46N 011-36E,
 39-02N 010-17E, 39-04N 010-08E,
 39-27N 009-38E.
 2. CANCEL THIS MSG 281730Z NOV.

(311430Z OCT 2003)

2050/03(36). NORTH ATLANTIC.

1. NUMEROUS CONTAINERS ADRIFT VICINITY 44-01N 017-05W
 AT 310200Z OCT.
 2. CANCEL HYDROLANT 1931(57), SURVEY COMPLETED.
 3. CANCEL THIS MSG 07 NOV.

(311635Z OCT 2003)

2051/03(37). SPAIN-NORTHWEST COAST.

1. NUMEROUS CONTAINERS ADRIFT VICINITY 44-12N 009-08W
 AT 311235Z OCT.
 2. CANCEL THIS MSG 07 NOV.

(311710Z OCT 2003)

2052/03(53,54). EASTERN MEDITERRANEAN SEA.

1. DERELICT SEVEN METER VESSEL ADRIFT
 VICINITY 36-20.5N 017-02.8E. REPORTS
 TO ANY COASTAL RADIO STATION.
 2. CANCEL THIS MSG 07 NOV.

(311845Z OCT 2003)

2053/03(37). DOVER STRAIT.

- CHART 37106 (4TH ED).
 RIDENS SOUTHEAST BUOY 50-43N 001-19E AT REDUCED INTENSITY.

(312306Z OCT 2003)

2054/03(36,37). NORTH ATLANTIC.

- DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM F/V BALAOU II
 IN 45-21-25N 009-29-13W. VESSELS IN VICINITY
 REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
 POSSIBLE. REPORTS TO MRCC FALMOUTH.

(010520Z NOV 2003)

2055/03(24). BRAZIL-SOUTH COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 051000Z TO 052000Z NOV WITHIN
 TEN MILES OF 29-30S 048-30W.
 2. CANCEL THIS MSG 052100Z NOV.

(010650Z NOV 2003)

2056/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 011200Z NOV 2003. ONLY THOSE
 MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
 2003 SERIES: 1801(35), 1825(GEN), 1830(37), 1833(37), 1834(22),
 1847(53), 1863(37), 1896(22), 1902(24), 1907(36,37), 1912(55),
 1930(54), 1935(37), 1940(54), 1944(53), 1946(56), 1948(24),
 1958(GEN), 1960(GEN), 1961(37), 1963(53), 1984(37), 1988(24),
 1992(24), 1995(53), 1998(35,38), 1999(23), 2002(54,56),
 2004(24), 2012(24), 2014(35), 2021(53), 2025(36,37), 2026(52),
 2027(36,51), 2031(55), 2033(GEN), 2034(51), 2035(37), 2036(54),
 2038(37), 2039(53), 2041(56), 2042(52,53), 2043(37), 2044(24),
 2045(24), 2046(53), 2047(53), 2048(53), 2049(53), 2050(36),
 2051(37), 2052(53,54), 2053(37), 2054(36,37), 2055(24).
 2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002
 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE
 SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03 AND 26/03.
 3. CANCEL HYDROLANT 2007/03.

(011210Z NOV 2003)

2057/03(24). BRAZIL-SOUTHEAST COAST.

1. OCEANOGRAPHIC OPERATIONS 03 THRU 14 NOV
 BY M/V ANTARES IN AREA BOUND BY
 20-40S 040-00W, 20-40S 029-25W,
 19-40S 029-30W, 19-40S 039-30W.
 THREE MILE BERTH REQUESTED.
 2. CANCEL THIS MSG 15 NOV.

(011335Z NOV 2003)

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2058/03(24). BRAZIL-SOUTH COAST.
CHART 24120 (9TH ED).
PONTA DA GALHETA LIGHT 27-34.5S 048-25.0W UNLIT.

(011458Z NOV 2003)

2059/03 and 2060/03. CANCELED.

2061/03(24). BRAZIL-SOUTHEAST COAST.
1. HYDROGRAPHIC OPERATIONS IN PROGRESS UNTIL 04 NOV
BY M/V SIRIUS IN AREA BETWEEN 22-40S 22-55S
AND 041-25W 041-35W. 500 METER BERTH REQUESTED.
2. CANCEL THIS MSG 05 NOV.

(012316Z NOV 2003)

2062/03(24). BRAZIL-SOUTH COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 071000Z TO 072000Z NOV WITHIN
TEN MILES OF 32-10S 050-52W.
2. CANCEL THIS MSG 072100Z NOV.

(021320Z NOV 2003)

2063/03 and 2064/03. CANCELED.

2065/03(38). NORTH ATLANTIC. ORDNANCE.
1. UNDERWATER ORDNANCE DETONATIONS 070001Z TO 072359Z NOV
WITHIN 120 MILES OF 62-50N 032-00W.
2. CANCEL THIS MSG 080059Z NOV.

(030910Z NOV 2003)

2066/03(57). SOUTH ATLANTIC.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V VERITAS VIKING II TOWING SIX 3500 METER
LONG CABLES IN AREA BOUND BY
04-34S 011-15E, 04-39S 011-19E,
04-35S 011-24E, 04-30S 011-20E.
WIDE BERTH REQUESTED.

(030920Z NOV 2003)

2067/03(53). TYRRHENIAN SEA. GUNNERY.
1. GUNNERY EXERCISES 0800Z TO 1500Z DAILY
03 THRU 05 NOV IN AREA BOUND BY
41-15N 009-55E, 41-15N 010-25E,
41-05N 010-55E, 41-05N 009-55E.
2. CANCEL THIS MSG 051600Z NOV.

(031050Z NOV 2003)

2068/03. CANCELED.

2069/03(54). ADRIATIC SEA. GUNNERY.
1. GUNNERY EXERCISES 0800Z TO 1100Z DAILY
06 AND 07 NOV IN AREA BOUND BY
43-20N 016-20E, 43-17N 016-20E,
43-13N 016-00E, 43-26N 016-00E.
2. CANCEL THIS MSG 071200Z NOV.

(031700Z NOV 2003)

2070/03 and 2071/03. CANCELED.

2072/03(24). BRAZIL-SOUTH COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 060159Z NOV
BY M/V CGG HARMATTAN TOWING SIX 6000 METER
LONG CABLES ALONG TRACKLINE BETWEEN
25-24S 045-06W AND 25-56S 046-00W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 060259Z NOV.

(040750Z NOV 2003)

2073/03(53,54). IONIAN SEA. GUNNERY.
1. GUNNERY EXERCISES SUNRISE TO SUNSET 06 NOV
WITHIN 35 MILES OF 37-05N 016-20E.
2. CANCEL HYDROLANT 2034/03(51).
3. CANCEL HYDROLANT 2042/03(52,53), OPERATIONS COMPLETED.
4. CANCEL THIS MSG 07 NOV.

(041515Z NOV 2003)

2074/03(GEN). GPS SATELLITE SYSTEM.
1. PRN 02 UNUSABLE 061415Z TO 070215Z NOV.
2. CANCEL THIS MSG 070315Z NOV.

(041805Z NOV 2003)

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2075/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070159Z NOV BY
M/V VERITAS VIKING I TOWING SIX 6000 METER
LONG CABLES IN AREA BOUND BY
25-01.9S 042-33.3W, 25-01.6S 042-00.6W,
25-50.3S 041-59.9W, 25-50.6S 042-32.8W.
SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 2071/03.
3. CANCEL THIS MSG 070259Z NOV.

(050810Z NOV 2003)

2076/03(37). DOVER STRAIT.

CHART 37121 (11TH ED).
COLEBART NORTH BUOY 50-57N 001-23E UNLIT.

(050820Z NOV 2003)

2077/03(24). BRAZIL-SOUTH COAST.

MAN OVERBOARD VICINITY ILAH RASA (23-04S 043-09W).
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(050950Z NOV 2003)

2078/03(38). NORTH ATLANTIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 100001Z TO 102359Z NOV
WITHIN 120 MILES OF 64-30N 033-09W.
2. CANCEL THIS MSG 110059Z NOV.

(051010Z NOV 2003)

SECTION III

NM 47/03

NAVAREA XII

Messages in force 051200Z November 2003:

2003 series	283(GEN)	315(GEN)	324(GEN)
	262(GEN)	310(19)	323(18)

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

NAVAREA XII WARNINGS issued from 301200Z October to 051200Z November 2003.

324/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 011000Z NOV 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 262(GEN), 283(GEN), 310(19), 315(GEN),
317(16,17), 323(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03 AND 26/03.
3. CANCEL NAVAREA XII 308/03, 313/03.

(011020Z NOV 2003)

325/03. CANCELED.

326/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 02 UNUSABLE 061415Z TO 070215Z NOV.
2. CANCEL THIS MSG 070315Z NOV.

(041810Z NOV 2003)

SECTION III

HYDROPACS

Messages in force 051200Z November 2003:

2001 series	801(72)	1635(81)	1764(GEN)	1858(94,95)	1904(74)
1976(62)	880(63)	1645(94)	1777(63)	1864(61)	1906(19,97)
2002 series	895(62)	1646(63)	1781(76,83)	1865(95)	1908(81)
205(GEN)	960(63)	1649(94,97)	1782(71)	1866(62)	1910(71)
206(GEN)	992(62)	1650(93)	1783(74)	1867(94,95)	1911(62)
352(73)	993(62)	1652(63)	1785(96)	1868(94,95)	1913(GEN)
403(72,73)	998(71)	1653(63)	1791(93)	1869(95)	1914(96,97)
2191(22)	1041(71)	1655(29)	1794(62)	1870(96)	1915(63)
2199(63)	1110(61)	1657(19,97)	1799(83,76)	1871(74)	1916(63)
2330(62)	1198(92)	1687(81)	1801(96)	1872(81)	1917(63)
2339(63)	1213(73)	1688(62)	1803(74)	1877(63)	1918(63)
2003 series	1220(62)	1692(63)	1806(61)	1880(GEN)	1919(63)
167(95)	1222(62)	1697(61)	1809(62)	1885(63)	1920(63)
197(71)	1248(63)	1699(63)	1811(74)	1886(63)	1921(94,97)
207(62)	1266(73)	1700(62)	1818(75)	1887(81)	1922(63)
445(96)	1267(73)	1710(GEN)	1819(61)	1890(81)	1923(63)
495(62)	1330(62)	1717(84)	1820(61)	1892(73)	1924(94)
496(62)	1371(71,93)	1732(75)	1821(83)	1893(73)	1925(GEN)
506(62)	1395(62)	1733(75)	1823(63)	1896(GEN)	1926(63)
515(73)	1398(74)	1734(74)	1829(93)	1897(63)	1927(63)
525(73,74)	1485(22)	1735(95,97)	1834(73,74)	1898(63)	
638(62)	1514(62)	1736(63)	1837(GEN)	1899(62)	
667(62)	1518(62)	1743(63)	1842(61)	1900(63)	
760(63)	1624(19,81)	1745(96)	1843(61)	1901(63)	
761(63)	1632(19,97)	1749(71)	1857(95)	1903(95)	

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

HYDROPAC WARNINGS issued from 301200Z October to 051200Z November 2003.

1891/03. CANCELED.

1892/03(73). PAPUA NEW GUINEA-EAST COAST.
CHART 73650 (5TH ED).
CAPE CRETIN LIGHT 06-39.6S 147-51.9E UNLIT.

(310007Z OCT 2003)

1893/03(73). PAPUA NEW GUINEA-EAST COAST.
CHART 73650 (5TH ED).
KITIMULA POINT LIGHT 06-20.2S 147-48.8E UNLIT.

(310610Z OCT 2003)

1894/03 and 1895/03. CANCELED.

1896/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 011200Z NOV 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 1624(19,81), 1632(19,97), 1635(81), 1645(94), 1646(63), 1649(94,97), 1650(93), 1652(63), 1653(63), 1655(29), 1657(19,97), 1687(81), 1688(62), 1692(63), 1697(61), 1699(63), 1700(62), 1710(GEN), 1717(84), 1732(75), 1733(75), 1734(74), 1735(95,97), 1736(63), 1743(63), 1745(96), 1749(71), 1764(GEN), 1777(63), 1781(76,83), 1782(71), 1783(74), 1785(96), 1791(93), 1794(62), 1799(83,76), 1801(96), 1803(74), 1806(61), 1809(62), 1811(74), 1818(75), 1819(61), 1820(61), 1821(83), 1823(63), 1825(74), 1829(93), 1834(73,74), 1837(GEN), 1840(81), 1842(61), 1843(61), 1851(63), 1857(95), 1858(94,95), 1863(71), 1864(61), 1865(95), 1866(62), 1867(94,95), 1868(94,95), 1869(95), 1870(96), 1871(74), 1872(81), 1876(94), 1877(63), 1878(73,74), 1880(GEN), 1882(63), 1884(63), 1885(63), 1886(63), 1887(81), 1890(81), 1892(73), 1893(73).

2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03 AND 26/03.

3. CANCEL HYDROPAC 1592/03, 1848/03.

(011220Z NOV 2003)

SECTION III

1897/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 15 NOV
BY M/V TEKNIK PERDANA TOWING 1500 METER
LONG CABLE IN AREA BOUND BY
20-30.9N 069-05.3E, 20-27.5N 069-08.5E,
20-30.8N 069-08.7E, 20-20.7N 069-05.1E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 NOV.

(011250Z NOV 2003)

1898/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 NOV BY
M/V VERITAS SEARCHER TOWING 6000 METER
LONG CABLE IN AREA BOUND BY
14-00N 074-31E, 14-00N 073-20E,
13-47N 073-19E, 13-15N 073-34E,
12-56N 073-56E, 12-30N 074-09E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 1851/03.
3. CANCEL THIS MSG 21 NOV.

(011310Z NOV 2003)

1899/03(62). PERSIAN GULF. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 030300Z TO 150300Z NOV
IN AREA BETWEEN 26-25N 26-40N AND 051-40E 051-20E.
2. CANCEL THIS MSG 150400Z NOV.

(011320Z NOV 2003)

1900/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 04 AND 07 NOV
IN AREA BOUND BY
09-57.6N 075-59.5E, 09-57.7N 076-14.2E,
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 071630Z NOV.

(011340Z NOV 2003)

1901/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY 05 THRU 07 NOV
IN AREA BOUND BY 19-14.6N 084-53.7E,
19-10.5N 085-01.0E, 19-01.7N 084-56.8E,
19-05.1N 084-48.4E, 19-12.6N 084-51.6E.
2. CANCEL THIS MSG 071330Z NOV.

(011345Z NOV 2003)

1902/03. CANCELED.

1903/03(95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 2300Z TO 0800Z COMMENCING DAILY
05, 06, 09 THRU 13, 16 THRU 20 AND 23 THRU 27 NOV
AND 2300Z TO 0300Z COMMENCING DAILY 07, 14, 21
AND 28 NOV IN AREA BOUND BY
36-14-00.0N 126-38-00.0E, 35-41-00.0N 125-44-00.0E,
35-51-00.0N 125-35-00.0E, 36-21-29.5N 126-22-54.6E,
36-21-22.5N 126-30-07.6E.
2. CANCEL THIS MSG 290400Z NOV.

(011410Z NOV 2003)

1904/03(74). AUSTRALIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V PACIFIC SWORD TOWING CABLES IN AREA
BETWEEN 28-51S 29-25S AND 114-25E COASTLINE.
2.5 MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 1825/03.

(011420Z NOV 2003)

1905/03. CANCELED.

1906/03(19,97). NORTH PACIFIC.

1. DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 26-09N 170-53E
AT 022156Z NOV. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC HONOLULU, TELEX: 392401,
PHONE: 808 541 2500, FAX: 808 541 2123.
2. CANCEL HYDROPAC 1905/03, SIGNAL CEASED.

(030550Z NOV 2003)

1907/03. CANCELED.

SECTION III

NM 47/03

1908/03(81). NORTH PACIFIC.

1. UNDERWATER RESEARCH OPERATIONS 06 THRU 10 NOV DAILY DURING DAYLIGHT HOURS BY M/V YOKOSUKA AND SUBMERSIBLE SHINKAI 6500 IN AREA BETWEEN 12-00N 21-00N AND 134-00E 140-00E.
2. CANCEL THIS MSG 11 NOV.

(031040Z NOV 2003)

1909/03. CANCELED.

1910/03(71). STRAIT OF MALACCA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1600Z DAILY 03 THRU 08, 10 THRU 15, 17 THRU 22 AND 24 THRU 29 NOV IN AREA BOUND BY 04-33N 099-48E, 04-12N 100-17E, 04-52N 100-06E.
2. CANCEL HYDROFAC 1863/03.
3. CANCEL THIS MSG 291700Z NOV.

(032234Z NOV 2003)

1911/03(62). PERSIAN GULF, IRAN.

PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY M/V DLB ABOUZAR 1200 ALONG TRACKLINE BETWEEN 27-36.4N 052-29.6E AND 27-35.4N 052-29.2E. 5000 METER BERTH REQUESTED.

(040755Z NOV 2003)

1912/03. CANCELED.

1913/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 02 UNUSABLE 061415Z TO 070215Z NOV.
2. CANCEL THIS MSG 070315Z NOV.

(041815Z NOV 2003)

1914/03(96,97). NORTH PACIFIC.

1. MAN OVERBOARD VICINITY 43-33.6N 148-03.7E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC VLADIVOSTOK, INMARSAT-C: 4925 00379, PHONE: 423 249 5522, FAX: 423 249 5895.
2. CANCEL HYDROFAC 1912/03(73,74).

(041948Z NOV 2003)

1915/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 061030Z TO 061230Z NOV WITHIN 13 MILES OF 22-28.7N 069-04.0E.
2. CANCEL THIS MSG 061330Z NOV.

(050059Z NOV 2003)

1916/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 060230Z TO 060530Z AND 061230Z TO 061430Z NOV IN AREA BOUND BY 17-42.2N 083-18.6E, 17-42.1N 083-29.9E, 17-36.7N 083-28.5E, 17-32.7N 083-24.3E.
2. CANCEL THIS MSG 061530Z NOV.

(050109Z NOV 2003)

1917/03(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY 05 AND 06 NOV WITHIN 75 MILES OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 061700Z NOV.

(050135Z NOV 2003)

1918/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 060100Z TO 060700Z NOV IN AREA BOUND BY 14-10N 073-00E, 15-26N 071-50E, 16-42N 072-17E, 16-27N 072-45E
2. CANCEL THIS MSG 060800Z NOV.

(050154Z NOV 2003)

1919/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 060830Z TO 061330Z NOV IN AREA BOUND BY 14-10N 073-00E, 15-26N 071-50E, 15-42N 071-55E, 15-10N 073-00E
2. CANCEL THIS MSG 061430Z NOV.

(050231Z NOV 2003)

SECTION III

1920/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1330Z TO 1630Z DAILY 06 AND 07 NOV
IN AREA BOUND BY 18-19N 070-49E,
18-08N 070-30E, 18-14N 070-10E.
2. CANCEL THIS MSG 071730Z NOV.

(050252Z NOV 2003)

1921/03(94,97). EAST CHINA SEA.

1. DERELICT F/V, WHITE HULL WITH BLUE TRIM, ADRIFT
IN 26-11.8N 125-31.3E AT 040745Z NOV.
2. CANCEL THIS MSG 12 NOV.

(050710Z NOV 2003)

1922/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 25 NOV
BY M/V C-ORION TOWING SIX 6000 METER
LONG CABLES IN AREA BETWEEN
17-41.9N 1735.0N AND 072-19.8E 072-40.1E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 26 NOV.

(050740Z NOV 2003)

1923/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 060230Z TO 061300Z NOV
WITHIN 20 MILES OF 17-10N 068-10E.
2. CANCEL HYDROFAC 1902/03.
3. CANCEL THIS MSG 061400Z NOV.

(050840Z NOV 2003)

1924/03(94). EAST CHINA SEA.

1. CABLE REPAIR OPERATIONS IN PROGRESS UNTIL 07 NOV,
ALTERNATE 08 THRU 10 NOV BY M/V KOUKI MARU
IN AREA BOUND BY
25-42N 122-20E, 25-30N 122-30E,
25-28N 122-26E, 25-40N 122-16E.
2. CANCEL HYDROFAC 1876/03.
3. CANCEL THIS MSG 11 NOV.

(051110Z NOV 2003)

1925/03(GEN). NORTH PACIFIC. JAPAN.

1. LORAN-C STATION NII JIMA, RATES 8930-MASTER AND 9930-Y,
OFF AIR 052300Z TO 060300Z NOV.
2. CANCEL THIS MSG 060400Z NOV.

(051120Z NOV 2003)

1926/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 070430Z TO 070730Z NOV
WITHIN TEN MILES OF 15-24.6N 073-47.1E.
2. CANCEL THIS MSG 070830Z NOV.

(051140Z NOV 2003)

1927/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 070100Z TO 070730Z NOV IN AREA BOUND BY
16-42N 072-17E, 16-27N 072-45E,
15-32N 073-15E, 16-10N 072-05E.
 - B. 070930Z TO 071230Z NOV IN AREA BOUND BY
16-02N 071-15E, 16-15N 071-05E,
16-52N 071-35E.
2. CANCEL THIS MSG 071330Z NOV.

(051150Z NOV 2003)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 5 November 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

SECTION III

NM 47/03

SPECIAL WARNINGS

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

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

SPECIAL WARNINGS in force 5 November 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION**UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE**

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, provides information for all radionavigation systems. The NIS is staffed 24 hours a day, 7 days a week, providing information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM) and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website (<http://www.navcen.uscg.gov/gps/default.htm>). In addition, the NIS investigates all reports of degraded or loss of GPS, DGPS or LORAN-C service. Mariners are encouraged to report all degradation of radionavigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil, or on the World Wide Web at <http://www.navcen.uscg.gov>.

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

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

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

Ship/Organization: name of vessel or organization.

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

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

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

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

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

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

Include details about the equipment used, if deemed pertinent.

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

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

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

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

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

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

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

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

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

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

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

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

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address

Date of Observation _____ Time of Observation (Local)_____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

Sounding sensor or method used

Sounding(s) corrected for draft: Yes No

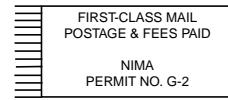
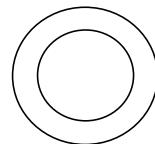
Details of Information Reported (continue on additional sheets as necessary) _____

www.nature.com/scientificreports/

User Feedback (continue on additional sheets as necessary)



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



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

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

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

Date of Insertion _____ Date of Removal _____

If observed, Date _____ Time (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

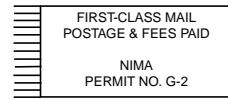
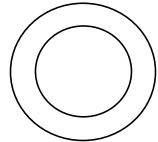
Sounding sensor or method used _____

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

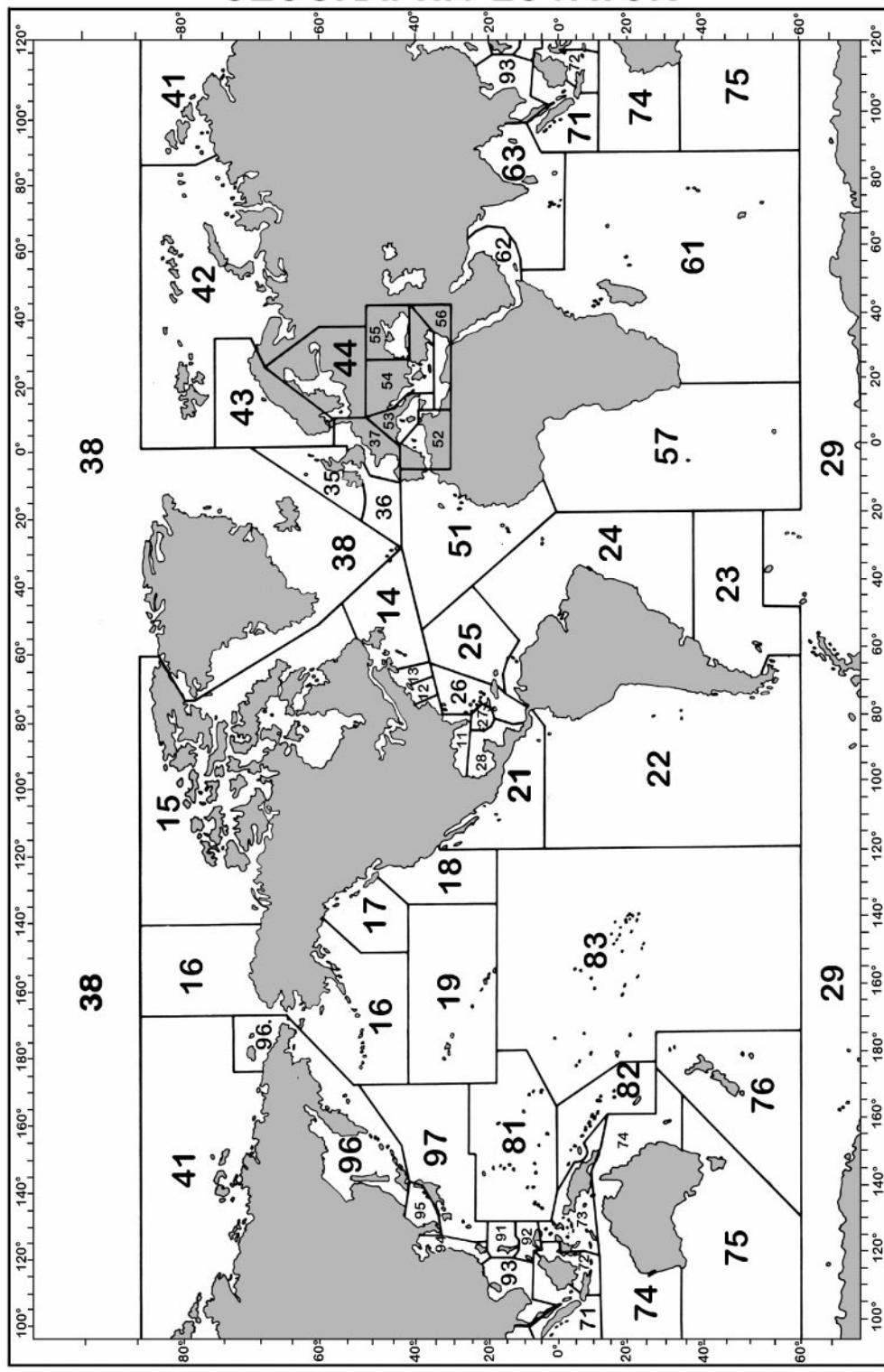
Details of Information Reported (continue on additional sheets as necessary): _____



**MARITIME SAFETY INFORMATION DIVISION
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

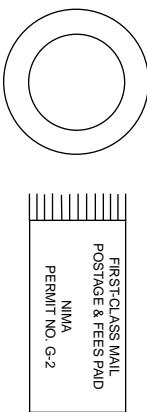
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT
NAVIGATIONAL INFORMATION
TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY